

CONTRACT NAS1-96014 (Modifications)

The following information has been determined to be exempt from disclosure and has been deleted from the modifications:

- Mentor Protégé Agreement; Modifications 51 and 105

The deleted material is exempt from disclosure under 14 C.F.R. 1206.300 (b) (4) which covers trade secrets and commercial or financial information obtained from a person and privileged or confidential. It has been held that commercial or financial matter is "confidential" for purposes of this exemption if its disclosure would be likely to have either of the following effects: (1) impair the Government's ability to obtain necessary information in the future; or (2) cause substantial harm to the competitive position of the person from whom the information was obtained, National Parks and Conservation v. Morton, 498 F2d 765 (D.C. Cir. 1974).

Disclosure of the information in the Mentor Protégé Agreement would discourage future submission of detailed data concerning the company's implementation of their Subcontracting Plan and impair the Government's ability to obtain necessary information in the future as well as cause substantial harm to the competitive position of the company.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE JUL 01 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Pages 2 - 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

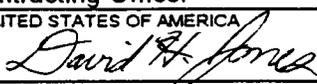
The purpose of this modification is to add \$1,715,026 in incremental funding, \$1,603,680 of which is for cost, and \$111,346 of which is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$3,935,567. The above allotment covers the following period of performance: July 1, 1996 through August 31, 1996.

(b) An additional amount of \$272,246 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/1/96
(Signature of person authorized to sign)			

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,715,026
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,207,813</u> *

* Current funding includes \$3,935,567 for cost and \$272,246 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.1829	R20783	53807142200	\$ (15,000)	N/A	Deobligate
DAG.1048	H15143	53707200300	\$ 12,000	DA02	Complete
	H15234	53707202100	\$ 32,000	DA02	Complete
	R20756	50568300300	\$ 27,200	DA02	Complete
	R20842	50559104200	\$ 8,000	DA02	Complete
	R20778	53805120100	\$ 32,000	DA02	Complete
	R20757	50559530500	\$ 8,800	DA02	Complete
DAH.1016	H15227	53707202400	\$ (40,000)	DA05	Deobligate
DCK.1071	R19586	50568330100	\$ 10,000	DC16	Complete
DCK.1072	H15162	53708232100	\$ 20,000	DC14	Complete
	H15186	53708232200	\$ 10,000	DC14	Complete
	H15198	53707242300	\$ 15,000	DC14	Complete
	H15201	53707242100	\$ 80,000	DC14	Complete
DCL.1083	R20907	53804141800	\$ 30,000	DC09	Complete
DCM.1121	R19584	50568300100	\$ 15,900	DC10	Complete
	R21634	50559305200	\$ 17,100	DC10	Complete
DCM.1122	R21634	50559305200	\$ 30,000	DC11	Complete
DCM.1123	R21634	50559305200	\$ 30,000	DC17	Complete
DCO.1082	R20896	53804111700	\$ 5,000	DC03	Complete
DCP.1112	R19581	50564530100	\$ 72,000	DC04	Complete
DCP.1125	H15153	53708222100	\$ 68,000	DC06	Complete
DCP.1126	H15153	53708222100	\$ 48,000	DC05	Complete
DCP.1127	H15153	53708222100	\$ 20,000	DC12	Complete
DFB.3655	H15194	53706372000	\$ 32,000	DF07	Complete
DFC.3345	H2322A	53803120100	\$ 28,000	DF04	Complete
	R19818	50563360300	\$ 28,000	DF04	Complete
	H15161	53705221000	\$ 4,000	DF04	Complete
	R20956	53807141000	\$ 28,000	DF04	Complete
DFL.1193	H15058	537072301	\$ (17,887)	N/A	Deobligate
	H15205	537072323	\$ (32,113)	N/A	Deobligate
	H19823	538051501	\$ (85,000)	N/A	Deobligate

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFL.1239	R20765	5059500200	\$ 24,000	DF12	Complete
DFM.1092	H15067	53709200200	\$ 25,000	DF08	Complete
	H15208	53707222400	\$ 5,000	DF08	Complete
DFM.1095	H2313C	53803110100	\$ 8,083	DF03	Complete
DFM.1096	H2332C	53803130300	\$ (17,000)	N/A	Deobligate
DI.1115	R19564	5056410100	\$ 21,000	DI02	Complete
DI.1120	R20810	96335000100	\$ 42,000	DI03	Complete
DI.1122	H15151	53708222100	\$ 30,000	DI06	Complete
DI.1123	R21379	23320211900	\$ 7,000	DI14	Complete
DI.1124	R20464	23703330100	\$ 7,000	DI08	Complete
	R21380	23320212000	\$ 16,300	DI08	Complete
DI.1125	R21514	27400963000	\$ 14,000	DI13	Complete
	R20748	50564700100	\$ 25,000	DI13	Complete
DI.1126	R19601	53801120100	\$ 2,000	DI09	Complete
	R20750	53801140100	\$ 2,405	DI09	Complete
DI.1127	R19601	53801120100	\$ 3,550	DI05	Complete
DI.1128	R21091	23320212300	\$ 30,000	DI12	Complete
DMB.4785	H15189	53706322000	\$ 40,000	DM13	Complete
DMB.4786	H15189	53706322000	\$ 50,000	DM02	Complete
DME.2380	H15188	53706312000	\$ 15,500	DM11	Complete
	R20830	50563502800	\$ 31,000	DM11	Complete
	R19518	50563500200	\$ 8,500	DM11	Complete
DME.2389	H15188	53706312000	\$ 100,000	DM10	Complete
DMF.4886	R19572	53802110100	\$ 100,000	DM07	Complete
	R19572	53802110100	\$ 64,612	DM05	Complete
	R19572	53802110100	\$ 117,694	DM15	Complete
	R19572	53802110100	\$ 117,694	DM16	Complete
DMH.1260	R21087	23320212600	\$ 10,000	DM09	Complete
	R21206	23320212700	\$ 10,000	DM09	Complete
DMH.1262	R21206	23320212700	\$ 5,000	DM08	Complete
DMH.1267	R21132	23320212700	\$ 5,021	DM06	Complete
DSJ.1129	R21090	23320212200	\$ 23,167	DS04	Complete
	H15191	53706342000	\$ 11,250	DS04	Complete
	H15193	53706362000	\$ 11,250	DS04	Complete
DSL.1210	H15192	53706352000	\$ 47,500	DS05	Complete
	R21205	24220070200	\$ 84,500	DS05	Complete
IA.0703	H15178	53707230300	\$ 10,000	DF10	Complete
	H15184	53707230200	\$ 71,000	DF10	Complete
TOTAL:			\$ 1,715,026		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 2		3. EFFECTIVE DATE JUL 17 1996		4. REQUISITION/PURCHASE REQ. NO. See Block 12		5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than item 6) CODE					

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to add \$28,600 in incremental funding, \$9,209 of which is for cost, and \$19,391 of which is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$3,944,776. The above allotment covers the following period of performance: July 1, 1996 through August 31, 1996.

(b) An additional amount of \$291,637 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 7/17/96
(Signature of person authorized to sign)			

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,715,026
Modification No. 2	\$ -	\$ -	\$ -	\$ 28,600
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,236,413 *</u>

* Current funding includes \$3,944,776 for cost and \$291,637 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DMB.4789	H15189	53706322000	\$ 20,000	DM17	Complete
DMH.1261	R21136	23320210500	\$ 4,400	DM18	Complete
DMH.1276	R21136	23320210500	\$ 4,200	DM18	Complete
		<u>TOTAL:</u>	<u>\$ 28,600</u>		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 3		3. EFFECTIVE DATE JUL 19 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

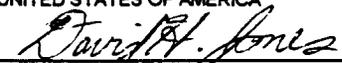
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to correct a funding error on Modification No. 1, and to increase the incremental funding of the contract by \$97,000, \$90,465 of which is for cost, and \$6,535 of which is for fee. (New contract funds of \$120,000 less an \$8,000 deobligation and a \$15,000 decrease to correct Modification No. 1.) Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,035,241. The above allotment covers the following period of performance: July 1, 1996 through August 31, 1996.

 (b) An additional amount of \$298,172 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/19/96

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Modification No. 2	\$ -	\$ -	\$ -	\$ 28,600
Modification No. 3	\$ -	\$ -	\$ -	\$ 112,000
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,333,413 *</u>

* Current funding includes \$4,035,241 for cost and \$298,172 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DMB.4794	H15189	53706322000	\$ 5,000	DM17	Complete
DME.2381	R19518	23320210500	\$ 25,000	DM12	Complete
DS.1141	R20939	53810110200	\$ 90,000	DM19	Complete
DCK.1064	R19580	50564520100	\$ (8,000)	DC13	Deobligate
		TOTAL:	<u>\$ 112,000</u>		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 4	3. EFFECTIVE DATE JUL 29 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$50,000, of which \$46,765 is for cost, and \$3,235 is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,082,006. The above allotment covers the following period of performance: July 1, 1996 through August 31, 1996.

(b) An additional amount of \$301,407 is obligated under this contract for payment of fee."
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 7/29/96
(Signature of person authorized to sign)			

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Modification No. 2	\$ -	\$ -	\$ -	\$ 28,600
Modification No. 3	\$ -	\$ -	\$ -	\$ 112,000
Modification No. 4	\$ -	\$ -	\$ -	\$ 50,000
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,383,413</u> *

* Current funding includes \$4,082,006 for cost and \$301,407 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.1855	R9917	50559873100	\$ 50,000	DA03	Complete

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 5	3. EFFECTIVE DATE AUG 07 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7-1-96	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Page 2				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.			
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor X is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this modification is to decrease the incremental funding of the contract by \$82,800, of which \$77,443 is for cost, and \$5,357 is for fee. Accordingly, the following changes are made to the Contract Schedule: Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor: “(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$4,004,563. The above allotment covers the following period of performance: July 1, 1996 through August 31, 1996. (b) An additional amount of \$296,050 is obligated under this contract for payment of fee.” Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED	
(Signature of person authorized to sign)		BY <i>David H. Jones</i> (Signature of Contracting Officer)	8/7/96	

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Modification No. 2	\$ -	\$ -	\$ -	\$ 28,600
Modification No. 3	\$ -	\$ -	\$ -	\$ 112,000
Modification No. 4	\$ -	\$ -	\$ -	\$ 50,000
Modification No. 5	\$ -	\$ -	\$ -	\$ (82,800)
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,300,613</u> *

* Current funding includes \$4,004,563 for cost and \$296,050 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFL.1239	R20765	50559500200	\$ (24,000)	DF12	Deobligate
DFL.1240	R19822	50568301200	\$ (23,800)	DF14	Deobligate
DFL.1193	R19823	53805150100	\$ (35,000)	DF15	Deobligate
		TOTAL:	\$ (82,800)		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 6	3. EFFECTIVE DATE AUG 21 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (if applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (if other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

PR: 9130.2072; JO: R14199; Amount: \$50,000 (Complete); Task Order: D113

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$50,000, of which \$46,765 is for cost, and \$3,235 is for fee, to be used to partially correct deficiencies in the GTEM delivered under Contract NAS1-19833. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$4,051,328. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$299,285 is obligated under this contract for payment of fee.”

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)
(Signature of person authorized to sign)	16C. DATE SIGNED 8/21/96
15C. DATE SIGNED	

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic Contract	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Modification No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Modification No. 2	\$ -	\$ -	\$ -	\$ 28,600
Modification No. 3	\$ -	\$ -	\$ -	\$ 112,000
Modification No. 4	\$ -	\$ -	\$ -	\$ 50,000
Modification No. 5	\$ -	\$ -	\$ -	\$ (82,800)
Modification No. 6	\$ -	\$ -	\$ -	\$ 50,000
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,350,613</u> *

* Current funding includes \$4,051,328 for cost and \$299,285 for fee.

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Mod. No. 2	\$ -	\$ -	\$ -	\$ 28,600
Mod. No. 3	\$ -	\$ -	\$ -	\$ 112,000
Mod. No. 4	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 5	\$ -	\$ -	\$ -	\$ (82,800)
Mod. No. 6	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 7	\$ -	\$ -	\$ -	\$ (18,594)
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,332,019</u> *

* Current funding includes \$4,034,073 for cost and \$297,946 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.1830	R20835	505-63-36-12	\$ (18,594)	DA01	Deobligate

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 8	3. EFFECTIVE DATE AUG 27 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$123,600, of which \$115,603 is for cost and \$7,997 is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,149,676. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$305,493 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 8/27/96
(Signature of person authorized to sign)	BY <u>David H. Jones</u> (Signature of Contracting Officer)

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Mod. No. 2	\$ -	\$ -	\$ -	\$ 28,600
Mod. No. 3	\$ -	\$ -	\$ -	\$ 112,000
Mod. No. 4	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 5	\$ -	\$ -	\$ -	\$ (82,800)
Mod. No. 6	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 7	\$ -	\$ -	\$ -	\$ (18,594)
Mod. No. 8	\$ -	\$ -	\$ -	\$ 123,600
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,455,619</u> *

* Current funding includes \$4,149,676 for cost and \$305,943 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFC.3344	R20957	538-07-15-10	\$ 20,000	DF05	Complete
	H2324A	538-03-12-01	\$ 28,000	DF05	Complete
	R19819	505-63-36-04	\$ 47,600	DF05	Complete
	H2323A	538-03-12-01	\$ 28,000	DF05	Complete
		<u>TOTAL</u>	<u>\$ 123,600</u>		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 9		3. EFFECTIVE DATE SEP 11 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$66,345, of which \$62,052 is for cost and \$4,293 is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,211,728. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$310,236 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) David H. Jones Contracting Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/11/96

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	\$ -	\$ -	\$ -	\$ 1,700,026
Mod. No. 2	\$ -	\$ -	\$ -	\$ 28,600
Mod. No. 3	\$ -	\$ -	\$ -	\$ 112,000
Mod. No. 4	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 5	\$ -	\$ -	\$ -	\$ (82,800)
Mod. No. 6	\$ -	\$ -	\$ -	\$ 50,000
Mod. No. 7	\$ -	\$ -	\$ -	\$ (18,594)
Mod. No. 8	\$ -	\$ -	\$ -	\$ 123,600
Mod. No. 9	\$ -	\$ -	\$ -	\$ 66,345
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,521,964</u> *

* Current funding includes \$4,211,728 for cost and \$310,236 for fee.

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DI.1130	R20812	538-01-14-02	\$ 10,363	DI05	Complete
DI.1131	R20812	538-01-14-02	\$ 13,026	DI09	Complete
DI.1132	R21679	962-21-00-50	\$ 22,500	DI14	Complete
DMC.4672	R9921	505-63-87-52	\$ 15,000	DM21	Complete
DMH.1296	R21137	233-20-21-25	\$ 5,456	DM22	Complete
		<u>TOTAL</u>	<u>\$ 66,345</u>		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 10	3. EFFECTIVE DATE SEP 26 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$194,795, of which \$182,192 is for cost and \$12,603 is for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,393,920. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$322,839 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
	David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/26/96
(Signature of person authorized to sign)			

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.1873	R21303	274-00-96-32	\$ 51,000	DA03	Complete
	R9919	505-59-87-32	\$ 4,042	DA03	Complete
	R9909	505-59-87-26	\$ 173	DA03	Complete
	R9917	505-59-87-31	\$ 3,060	DA03	Complete
	R9912	505-59-87-29	\$ 8,000	DA03	Complete
DI.1136	R21679	962-21-10-05	\$ 13,020	DI03	Complete
DI.1139	R21017	505-59-10-35	\$ 35,000	DI04	Complete
DI.1125	R21099	233-20-21-21	\$ 45,000	DI13	Complete
DME.2406	R20045	242-20-05-05	\$ 30,000	DM11	Complete
DMH.1305	R21136	233-20-21-05	\$ 2,000	DM08	Complete
DMH.1306	R21136	233-20-21-05	\$ 3,500	DM18	Complete
		TOTAL	\$ 194,795		

REALLOCATION OF FUNDS AMONG TASKS

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>From Task No.</u>	<u>To Task No.</u>
DCP.1112	R19581	505-64-53-01	\$ 20,000	DC04	DC16
DCP.1112	R19581	505-64-53-01	\$ 5,000	DC04	DC02
DCP.1115	R20896	538-04-11-17	\$ 3,000	DC15	DC02
DMF.4886	R19572	538-02-11-01	\$ 30,000	DM05	DM16
DMF.4886	R19572	538-02-11-01	\$ 45,000	DM15	DM16

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,716,759</u> *

* Current funding includes \$4,393,920 for cost and \$322,839 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 11	3. EFFECTIVE DATE SEP 30 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than item 6)
------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$82,000, of which \$76,695 is allotted for cost and \$5,305 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,470,615. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$328,144 is obligated under this contract for payment of fee."
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 9/30/96
(Signature of person authorized to sign)	

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DME.2405	H15188	537-06-31-20	\$ 50,000	DM10	Complete
DMF.4956	R21655	323-78-01-02	\$ 22,000	DM23	Complete
DMF.4959	R21655	323-78-01-02	\$ 1,000	DM24	Complete
DMF.4960	R21584	243-30-07-11	\$ 7,000	DM24	Complete
DMF.4960	R21655	323-78-01-02	\$ 2,000	DM24	Complete
TOTAL			<u>\$ 82,000</u>		

REALLOCATION OF FUNDS AMONG TASKS

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>From Task No.</u>	<u>To Task No.</u>
DCP.1126	H15153	537-08-22-21	\$ 5,000	DC05	DC08

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 4,798,759</u> *

* Current funding includes \$4,470,615 for cost and \$328,144 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 12		3. EFFECTIVE DATE OCT 17 1996		4. REQUISITION/PURCHASE REQ. NO. See Block 12		5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		CODE		PAGE OF PAGES 1 2	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$298,000, of which \$278,718 is allotted for cost and \$19,282 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$4,749,333. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$347,426 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/17/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DGF.1159	R21827	522-51-31-20	\$ 150,000	DG01	Complete
DI.1134	R20812	538-01-14-02	\$ 9,000	DI01	Complete
DI.1135	R20812	538-01-14-02	\$ 11,000	DI02	Complete
DI.1137	R20750	538-01-14-01	\$ 8,200	DI05	Complete
DI.1138	R20750	538-01-14-01	\$ 4,800	DI09	Complete
CH.0508	R21374	267-10-00-02	\$ 4,000	DI14	Complete
DME.2408	R21282	242-20-05-50	\$ 40,000	DM11	Complete
DME.2412	R20500	260-30-15-50	\$ 10,000	DM11	Complete
DME.2412	R21681	478-82-00-01	\$ 20,000	DM11	Complete
DSK.1109	R21101	233-20-21-24	\$ 4,000	DS02	Complete
DSK.1109	R21755	233-10-14-39	\$ 14,000	DS02	Complete
DSK.1109	R19736	509-10-11-03	\$ 23,000	DS02	Complete
TOTAL			\$ 298,000		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 5,096,759 *

* Current funding includes \$4,749,333 for cost and \$347,426 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 13	3. EFFECTIVE DATE OCT 18 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (if applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (if other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$832,068, of which \$778,738 is allotted for cost and \$53,870 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$5,528,071. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$401,296 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/18/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFB.3670	H2351S	538-03-15-01	\$ 70,000	DF01	Complete
DFC.3388	R20956	538-07-14-10	\$ 58,000	DF04	Complete
DFC.3388	H2313A	538-03-11-01	\$ 57,407	DF04	Complete
DFC.3388	R22039	581-20-21-02	\$ 57,000	DF04	Complete
DFC.3386	R22040	581-20-31-01	\$ 128,000	DF05	Complete
DFC.3386	R20957	538-07-15-10	\$ 60,000	DF05	Complete
DFC.3386	R20955	538-07-14-21	\$ 60,000	DF05	Complete
DFC.3386	H2321A	538-03-12-01	\$ 145,000	DF05	Complete
DFC.3386	H15278	537-05-21-01	\$ 60,000	DF05	Complete
DFL.1271	R19823	538-05-15-01	\$ 43,200	DF15	Complete
DMC.4684	R21816	538-10-11-05	\$ 50,000	DM25	Complete
DMC.4695	R21816	538-10-11-05	\$ 44,001	DM25	Complete
TOTAL			\$ 832,608		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 5,929,367 *

* Current funding includes \$5,528,071 for cost and \$401,296 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTR ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 14	3. EFFECTIVE DATE OCT 23 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (if other than item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$2,038,096, of which \$1,906,232 is allotted for cost and \$131,864 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$7,434,303. The above allotment covers the following period of performance: July 1, 1996 through October 31, 1996.

(b) An additional amount of \$533,160 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/23/96

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCL.1083	R20907	538-04-14-18	\$ 63,164	DC09	Complete
DCL.1098	R21906	522-24-21-04	\$ 93,362	DC08	Complete
DCO.1082	R20896	538-04-11-17	\$ 13,328	DC03	Complete
DCP.1112	R21943	522-33-21-01	\$ 180,000	DC04	Complete
DCP.1113	R19581	505-64-53-01	\$ 28,000	DC07	Complete
DCP.1113	R20896	538-04-11-17	\$ 56,000	DC07	Complete
DCP.1115	R20896	538-04-11-17	\$ 72,000	DC15	Complete
DCP.1116	R20895	538-04-11-11	\$ 156,000	DC02	Complete
DCP.1126	H15153	537-08-22-21	\$ 132,000	DC05	Complete
DCP.1127	H15153	537-08-22-21	\$ 57,391	DC12	Complete
DCP.1157	H15276	537-08-22-21	\$ 150,000	DC06	Complete
DFM.1092	H15208	537-07-22-24	\$ 67,000	DF08	Complete
DFM.1095	H2313C	538-03-11-01	\$ 72,750	DF03	Complete
DFM.1096	H2332C	538-03-13-03	\$ 38,519	DF16	Partial
DMB.4785	H15189	537-06-32-20	\$ 60,000	DM13	Complete
DMB.4785	R19517	505-63-50-01	\$ 60,000	DM13	Complete
DMB.4786	H15189	537-06-32-20	\$ 88,811	DM02	Complete
DME.2380	R21884	522-12-11-01	\$ 53,968	DM11	Complete
DME.2381	R21884	522-12-11-01	\$ 25,000	DM12	Complete
DME.2381	R21883	522-12-11-02	\$ 50,000	DM12	Complete
DME.2389	H15188	537-06-31-20	\$ 370,803	DM10	Complete
DSL.1234	R21688	242-30-03-63	\$ 45,000	DS05	Complete
DSL.1234	H15191	537-06-34-20	\$ 60,000	DS05	Complete
DSL.1234	R21690	242-30-03-61	\$ 45,000	DS05	Complete
		TOTAL	\$ 2,038,096		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 7,967,463</u> *

* Current funding includes \$7,434,303 for cost and \$533,160 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTI ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 15	3. EFFECTIVE DATE OCT 26 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$1,147,292, of which \$1,073,062 is allotted for cost and \$74,230 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$8,507,365. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$607,390 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/26/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DA.1057	R22089	519-20-21-01	\$ 170,101	DA10	Complete
DA.1058	R21831	522-11-11-01	\$ 56,550	DA06	Complete
DA.1058	R21821	538-05-14-05	\$ 100,000	DA06	Complete
DAH.1034	R21828	522-51-31-10	\$ 216,000	DG04	Complete
DFB.3682	H2321S	538-03-12-02	\$ 60,189	DF06	Complete
DFB.3683	H2351S	538-03-15-01	\$ 61,704	DF01	Complete
DFB.3684	H2342S	538-03-14-01	\$ 77,000	DF09	Complete
DFM.1094	R19555	505-59-50-05	\$ 72,750	DF11	Complete
DMF.4955	R21655	323-78-01-02	\$ 57,998	DM26	Complete
DMF.4966	R19572	538-02-11-01	\$ 200,000	DM07	Complete
DSI.1435	H15150	537-06-21-11	\$ 22,600	DS01	Complete
DSI.1435	H15192	537-06-35-20	\$ 52,400	DS01	Complete
		TOTAL	<u>\$ 1,147,292</u>		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 9,114,755</u> *

* Current funding includes \$8,507,365 for cost and \$607,390 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTF ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 16	3. EFFECTIVE DATE OCT 30 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (if other than item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$810,237, of which \$757,814 is allotted for cost and \$52,423 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$9,265,179. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$659,813 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY <i>David H. Jones</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 10/30/96

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DA.1059	97	R21831	522-11-11-01	\$ 18,500	DA09	Complete
DA.1059	97	R22089	519-20-21-01	\$ 34,899	DA09	Complete
DA.1059	97	H15231	537-07-20-22	\$ 16,194	DA09	Partial
DAA.1893	97	H15212	537-07-22-21	\$ 49,905	DA07	Complete
DAA.1894	96	R9917	505-59-87-31	\$ 3,600	DA03	Complete
DAC.1001	97	R21751	538-05-13-01	\$ 37,858	DA04	Partial
DAC.1002	97	H15279	537-07-20-24	\$ 7,748	DA05	Partial
DCM.1163	97	R21908	522-25-31-02	\$ 12,000	DC10	Complete
DCM.1164	96	R21363	505-59-30-51	\$ 15,000	DC11	Complete
DCM.1165	96	R21363	505-59-30-51	\$ 14,761	DC17	Partial
DFB.3674	97	H15194	537-06-37-20	\$ 25,000	DF07	Complete
DI.1141	96	R21379	233-20-21-19	\$ 7,800	DI08	Complete
DI.1149	97	R20810	963-35-00-01	\$ 137,208	DI03	Complete
DI.1151	97	R21874	522-24-21-03	\$ 100,000	DI13	Complete
DI.1152	97	R21868	522-33-11-02	\$ 31,000	DI12	Complete
DI.1153	96	R20810	963-35-00-01	\$ 1,547	DI14	Partial
DI.1154	97	R22023	522-24-21-01	\$ 45,000	DI13	Complete
DIH.1306	97	H15275	537-08-22-21	\$ 123,217	DI06	Complete
DMF.4959	97	R21655	323-78-01-02	\$ 129,000	DM24	Complete
			TOTAL	\$ 810,237		

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
		<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 9,924,992</u> *

* Current funding includes \$9,265,179 for cost and \$659,813 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTR. ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 17	3. EFFECTIVE DATE NOV 08 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$1,346,484, of which \$1,259,369 is allotted for cost and \$87,115 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:
“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$10,524,548. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$746,928 is obligated under this contract for payment of fee.”
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11/8/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCK.1083	97	H15198	537-07-24-23	\$ 200,000	DC14	Complete
DCK.1083	97	H15201	537-07-24-21	\$ 40,000	DC14	Complete
DCK.1083	97	H15268	537-08-23-21	\$ 17,440	DC14	Partial
DCK.1084	97	R21848	522-21-31-01	\$ 23,731	DC16	Partial
DCK.1084	97	R21907	522-22-21-03	\$ 75,000	DC16	Complete
DCL.1091	97	R21576	632-10-43-90	\$ 68,814	DC01	Complete
DFL.1295	97	H15205	537-07-23-22	\$ 40,000	DF10	Complete
DFL.1296	97	R19823	538-05-15-01	\$ 40,000	DF15	Complete
DI.1142	97	R21951	519-30-31-01	\$ 102,793	DI07	Partial
DI.1143	97	R21838	522-14-21-02	\$ 72,852	DI01	Partial
DI.1144	97	R21838	522-14-21-02	\$ 16,400	DI05	Complete
DI.1145	97	R21838	522-14-21-02	\$ 21,000	DI11	Complete
DI.1146	97	R21838	522-14-21-02	\$ 62,040	DI02	Partial
DI.1147	97	R21892	522-14-21-01	\$ 130,300	DI10	Partial
DI.1148	97	R21838	522-14-21-02	\$ 59,805	DI09	Partial
DI.1150	97	R21770	538-04-13-02	\$ 189,806	DI04	Partial
DMC.4703	97	H15190	537-06-33-20	\$ 33,107	DM03	Partial
DMF.4982	97	R19572	538-02-11-01	\$ 47,396	DM16	Complete
DMH.1313	96	R21013	236-03-26-01	\$ 2,000	DM08	Complete
DMH.1313	96	R21069	236-04-70-08	\$ 4,000	DM08	Complete
DSI.1460	97	H15192	537-06-35-20	\$ 25,000	DS01	Complete
DSI.1460	97	R20865	538-07-12-01	\$ 50,000	DS01	Complete
DSI.1460	97	R19615	538-02-10-02	\$ 25,000	DS01	Complete
			TOTAL	\$ 1,346,484		

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
		<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 11,271,476</u> *

* Current funding includes \$10,524,548 for cost and \$746,928 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT CODE
PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. **18**
3. EFFECTIVE DATE **DEC 18 1996**
4. REQUISITION/PURCHASE REQ. NO. **See Block 12**
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
7. ADMINISTERED BY (If other than item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

Lockheed Martin Engineering & Sciences Company
Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

(x) 9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-96014
10B. DATED (SEE ITEM 13)
7-1-96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$1,531,825, of which \$1,432,715 is allotted for cost and \$99,110 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$11,957,263. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$846,038 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>David H. Jones</i> (Signature of Contracting Officer)	12/18/96

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.1902	97	R22129	581-10-11-01	\$ 46,768	DA11	Complete
DAA.1903	97	R21743	538-05-14-01	\$ 178,000	DA08	Complete
DAA.1904	97	R9930	505-59-87-36	\$ 60,000	DA03	Complete
DAD.1002	97	H15234	537-07-20-21	\$ 100,000	DA02	Complete
DAD.1002	97	R21739	538-05-12-01	\$ 80,000	DA02	Complete
DAD.1002	97	R21833	522-11-51-04	\$ 44,000	DA02	Complete
DAD.1002	97	R21847	522-11-31-01	\$ 23,383	DA02	Partial
DC.1025	96	R21363	505-59-30-51	\$ 70,000	DC11	Complete
DFB.3696	97	H15194	537-06-37-20	\$ 27,000	DF07	Complete
DFC.3413	96	H15180	537-09-21-21	\$ 54,886	DF13	Complete
DFC.3413	97	H15180	537-09-21-21	\$ 164,579	DF13	Partial
DGA.3489	97	R19554	242-80-01-01	\$ 58,778	DG03	Complete
DGA.3490	97	R19554	242-80-01-01	\$ 57,964	DG02	Complete
DI.1156	97	R22272	258-70-21-08	\$ 25,000	DI08	Complete
DI.1156	97	R22275	258-70-21-06	\$ 6,467	DI08	Partial
DMF.5000	97	R22307	242-33-01-12	\$ 134,267	DM15	Complete
DMF.5001	97	R21881	522-13-21-01	\$ 3,018	DM23	Complete
DMH.1318	97	R21887	522-32-11-02	\$ 5,000	DM27	Complete
DMH.1321	97	R21887	522-32-11-02	\$ 9,581	DM09	Complete
DMH.1322	97	R22323	632-20-21-13	\$ 16,400	DM20	Complete
DSD.1492	96	H15193	537-06-36-20	\$ 168,384	DS03	Partial
DSI.1462	97	H15192	537-06-35-20	\$ 91,850	DS06	Complete
DSJ.1148	97	R22352	632-20-21-11	\$ 30,000	DS04	Complete
DSL.1247	96	R20559	242-30-03-24	\$ 76,500	DS05	Complete
			TOTAL	<u>\$ 1,531,825</u>		

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
		<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 12,803,301</u> *

* Current funding includes \$11,957,263 for cost and \$846,038 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 19	3. EFFECTIVE DATE DEC 20 1996	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)
--------------------------------------------	-----------------------------------------	---------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor X is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$334,753, of which \$313,094 is allotted for cost and \$21,659 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$12,270,357. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$867,697 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 12/20/96

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DA.1061	97	M3117	922-10-01-04	\$ 234,753	DA09	Complete
DI.1157	97	R21874	522-24-21-03	\$ 100,000	DI13	Complete
TOTAL				\$ 334,753		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 13,138,054 *

* Current funding includes \$12,270,357 for cost and \$867,697 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 20	3. EFFECTIVE DATE JAN 16 1997	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7-1-96	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Page 2				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.			
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).			
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:			
	D. OTHER (Specify type of modification and authority)			
E. IMPORTANT: Contractor X is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this modification is to increase the incremental funding of the contract by \$281,502, of which \$263,289 is allotted for cost and \$18,213 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule: Section B, B.4, Contract Funding, is deleted in its entirety and the following substituted therefor: “(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$12,533,646. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997. (b) An additional amount of \$885,910 is obligated under this contract for payment of fee.” Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>David H. Jones</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1/16/97	
(Signature of person authorized to sign)				

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
BAA.0968	97	R22024	522-24-11-02	\$ 135,000	DI13	Complete
DFC.3447	97	R21931	522-11-21-01	\$ 44,000	DF05	Complete
DIF.1145	97	R22293	258-70-21-06	\$ 62,271	DI12	Partial
DMC.4728	97	R19571	538-02-10-01	\$ 25,000	DM01	Complete
DMH.1320	97	R22246	632-20-21-11	\$ 3,200	DM18	Complete
DMH.1335	97	R22357	632-20-21-13	\$ 12,031	DM06	Complete
TOTAL				\$ 281,502		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 13,419,556 *

* Current funding includes \$12,533,646 for cost and \$885,910 for fee.

file Mod 21

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See Blk. 12	5. PROJECT NO. (If applicable)		
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
				10B. DATED (SEE ITEM 13) 7-1-96	
CODE	FACILITY CODE				

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding of the contract by \$86,747, of which \$81,134 is allotted for cost and \$5,613 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,614,780. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$891,523 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>[Signature]</i> (Signature of Contracting Officer)	16C. DATE SIGNED 127-97

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DME.2421	97	R20500	26030155000	\$ 6,747	DM11	Complete
DME.2422	96	R20500	26030155000	\$ 80,000	DM11	Complete
TOTAL				\$ 86,747		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 13,506,303</u> *

* Current funding includes \$12,614,780 for cost and \$891,523 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 22	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See Blk. 12	5. PROJECT NO. (if applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (if other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

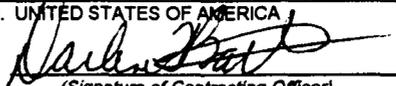
The purpose of this modification is to increase the incremental funding of the contract by \$91,541, of which \$85,619 is allotted for cost and \$5,922 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,700,399. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$897,445 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 1-29-97

FILE COPY

ND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JC</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DMC.4732	97	R19571	53802100100 \$ 17,886	DM14	Complete
DME.2420	97	R21681	47882000100 \$ 23,655	DM12	Complete
DME.2420	97	R21878	52232110300 \$ 50,000	DM12	Complete

TOTAL \$ 91,541

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 13,597,844</u> *

* Curren+C22t funding includes \$12,700,399 for cost and \$897,445 for fee.C22

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 23	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See Blk. 12		5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6) CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE			9B. DATED (SEE ITEM 11)	
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7-1-96	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DAD.1006;R21840;52222110100;\$49,802;(Complete)(Task DA 12)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

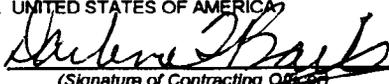
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$49,802, of which \$46,580 is allotted for cost and \$3,222 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,746,979. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$900,667 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 2-5-97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAD.1006	97	R21840	52222110100	\$ 49,802	DA12	Complete

TOTAL	<u>\$ 49,802</u>
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CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 13,647,646</u> *

* Curren+C22t funding includes \$12,746,979 for cost and \$900,667 for fee.C22

NAS1-96014

Modification No. 23

Page 2 of 2

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 24		3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

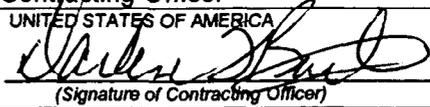
The purpose of this modification is to increase the incremental funding of the contract by \$50,916, of which \$47,620 is allotted for cost and \$3,296 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,794,599. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$903,963 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	2-7-97
		(Signature of Contracting Officer)	

FILE

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DIG.1224	97	R21838	52214210200	\$ 27,060	DI05	Partial
DMH.1352	97	R22515	95617000100	\$ 23,856	DM08	Complete
TOTAL				\$ 50,916		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 13,698,562

* Current funding includes \$12,794,599 for cost and \$903,963 for fee.\

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 25	3. EFFECTIVE DATE See Bk. 16C	4. REQUISITION/PURCHASE REQ. NO. DCM.1180	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DCM.1180;R21363;50559305100;\$5,948;(Complete)(DC18)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

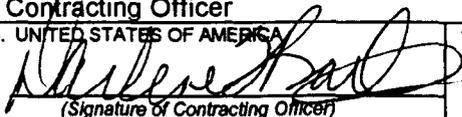
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding of the contract by \$5,948, of which \$5,563 is allotted for cost and \$385 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,800,162. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$904,348 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 2-10-97
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCM.1180	96	R21363	50559305100	\$ 5,948	DC18	Complete

TOTAL \$ 5,948

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 13,704,510</u> *

* Current funding includes \$12,800,162 for cost and \$904,348 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 26	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

CODE	FACILITY CODE
------	---------------

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to increase the incremental funding of the contract by \$24,737, of which \$23,136 is allotted for cost and \$1,601 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, Contract funding, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of funds" clause, the total amount allotted by the Government to this contract is \$12,823,298. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1997.

(b) An additional amount of \$905,949 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  2-11-97 (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

<u>PR No.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DI.1153	96	R20810	96335000100	\$4,253	DI14	Complete
DI.1153	97	R20810	96335000100	\$7,200	DI14	Complete
DMH.1353	97	R22357	63220211300	\$ 8,000	DM09	Complete
DMH.1353	97	R22246	63220211100	\$ 5,284	DM09	Complete
TOTAL				\$ 24,737		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. NO. 26	0	0	0	24,737
	<u>\$ 17,765,083</u>	<u>\$ 1,228,360</u>	<u>\$ 18,993,443</u>	<u>\$ 13,729,247</u>

* Current funding includes \$12,823,298 for cost and \$905,949 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 27		3. EFFECTIVE DATE 2/12/97	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) H.4--OPTIONS

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to exercise the First Option period under the subject contract. Accordingly, the following changes are hereby being made to the Contract Schedule:

(Continued on page 2)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Panice H. Clark Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Panice H. Clark (Signature of Contracting Officer)	16C. DATE SIGNED 2/11/97
(Signature of person authorized to sign)			

FILE COPY

- A. Under B.2--ESTIMATED COST AND AWARD Fee, revise to read as follows:
"The estimated cost of this contract is \$31,610,127. The maximum available award fee is \$2,185,508. Total estimated cost and maximum award fee are \$33,795,635."
- B. Under F.1--PERIOD OF PERFORMANCE, revise the period of performance to read 24 months (7/1/96 through 6/30/98) from the effective date of this contract.
- C. Under H.4--OPTIONS, exercise the First Option Period. Of the total Option periods available, exercise of this Option will leave a remainder of two Options.

No other revisions are being made by issuance of this modification.

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	<u>13,845,044</u>	<u>957,148</u>	<u>14,802,192</u>	<u>0</u>
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 13,729,247

* Current funding includes \$12,823,298 for cost and \$905,949 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 28	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

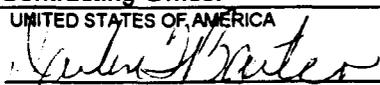
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase funding of the contract by \$174,099, of which \$162,835 is allotted to cost and \$11,264 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$12,986,133. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$917,213 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 2/14/97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

PR No.	PY	JO	RTR	Amount	Task No.	Status
DSK.1137	97	R21757	63210143900	\$49,000	DS02	Complete
DAA.1915	97	R9935	50559873700	\$95,099	DA03	Complete
DMF.5027	97	H15190	53706332000	\$30,000	DM05	Complete

Total \$174,099

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 13,903,346 *

* Current funding includes \$12,986,133 for cost and \$917,213 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. <p style="text-align: center;">29</p>	3. EFFECTIVE DATE <p style="text-align: center;">2/14/97</p>	4. REQUISITION/PURCHASE REQ. NO. <p style="text-align: center;">N/A</p>	5. PROJECT NO. (if applicable)
------------------------------------------------------------------------	-----------------------------------------------------------------	----------------------------------------------------------------------------	--------------------------------

6. ISSUED BY <p style="text-align: center;">CODE</p>	7. ADMINISTERED BY (if other than item 6) <p style="text-align: center;">CODE</p>
---------------------------------------------------------	--------------------------------------------------------------------------------------

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. <p style="text-align: center;">NAS1-96014</p>
		10B. DATED (SEE ITEM 13) <p style="text-align: center;">7-1-96</p>

CODE	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
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The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required) <p style="text-align: center;">N/A</p>

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) I.17, AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76) (SEP 1993)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to authorize the payment of \$401,300 in earned award fee under the subject contract for the first award fee period, and to adjust the contract schedule to reflect the available award fee pool for the period and the earned award fee amount. Accordingly, the following changes are hereby being made to the

Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <p style="text-align: center;">David H. Jones Contracting Officer</p>
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)
	16C. DATE SIGNED <p style="text-align: center;">2/14/97</p>

FILE COPY

A. B.3, AWARD FEE AVAILABILITY SCHEDULE (LaRC 52.216-96) (MAR 1989), is hereby revised as follows:

"The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>	<u>Earned Award Fee</u>	<u>Unearned Award Fee</u>
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	TBD*	TBD*	TBD*
7/1/97 - 12/31/97	TBD*	TBD*	TBD*
1/1/98 - 6/30/98	TBD*	TBD*	TBD*

*To Be Determined"

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$401,300 shall be paid to the Contractor upon execution of this modification by the Contracting Officer.

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 13,903,346</u> *

* Current funding includes \$12,986,133 for cost and \$917,213 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 30	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. DMF.4978	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7-1-96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DMF.4978;R22229;32378010400;\$673;(Partial)(Task DM24)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

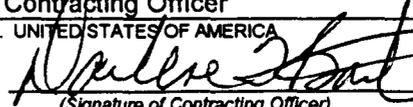
The purpose of this modification is to increase funding of the contract by \$673, of which \$629 is allotted to cost and \$44 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4, CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clause, the total amount allotted by the Government to this contract is \$12,986,762. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$917,257 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 2/19/97
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATIONS DATA

PR No. PY JO RTR Amount Task No. Status
 DMF.4978 97 R22229 32378010400 \$673 DM24 Partial

Total \$673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 13,904,019 *

* Current funding includes \$12,986,762 for cost and \$917,257 for fee. NAS1-96014

Modification No. 28

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 31	3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) MUTUAL AGREEMENT

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to delete the requirement for 1018 reporting of government property. Accordingly, the following change is made to the Contract Schedule:

Paragraph I.2—LISTING OF CLAUSES INCORPORATED BY REFERENCE, delete NASA FAR Supplement Clause 18-52.245-73, "Financial Reporting of Government-Owned/Contractor-Held Property (JUL 1994)."

(Continued on page 2)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) H. P. Haney, Program Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>H. P. Haney</i> (Signature of person authorized to sign)	15C. DATE SIGNED 2/28/97	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3/7/97

FILE COPY

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 13,904,019</u> *

* Current funding includes \$12,986,762 for cost and \$917,257 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 32		3. EFFECTIVE DATE See Blk. 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$200,000, of which \$187,059 is allotted to cost and \$12,941 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,173,821. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$930,198 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	<i>2-27-97</i>

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DIG.1230	97	R21770	53804130200	\$25,000	DI14	Complete
DSI.1520	97	R19615	53802100200	\$ 25,000	DS01	Complete
DSI.1520	97	R21912	52211410200	\$ 50,000	DS01	Complete
DSI.1520	97	R22386	27400971700	\$ 50,000	DS01	Complete
DCO.1111	97	R20896	53804111700	\$ 50,000	DC15	Complete
Total				\$ 200,000		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,104,019</u> *

* Current funding includes \$13,173,821 for cost and \$930,198 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 33	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$224,219, of which 209,707 is allotted to cost and \$14,512 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,383,528. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$944,710 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DAF.0251	97	R21828	52251311000	\$75,000	DG04	Complete
DAF.0251	97	R22348	24272300300	\$ 25,000	DG04	Complete
DI.1164	97	R22335	53804220100	\$ 25,967	DI11	Partial
DMC.4739	97	R20489	50563106400	\$ 98,252	DM01	Complete

Total \$ 224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,328,238 *</u>

* Current funding includes \$13,383,528 for cost and \$944,710 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 34	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DSK.1140;R19736;50910110300;\$34,768;(Complete);DMH.1372;R22357;63220211300;\$850(Task DSp2)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

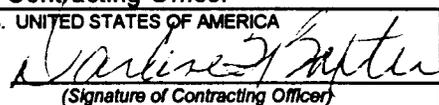
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$35,618, of which \$33,315 is allotted to cost and \$2,303 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,416,843. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$947,013 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/14/97
(Signature of person authorized to sign)			

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DSK.1140	97	R19736	50910110300	\$ 34,768.00	DS07	Complete
DMH.1372	97	R22357	63220211300	\$ 850.00	DM027	Complete
			Total	\$ 35,618.00		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,363,856 *</u>

* Current funding includes \$13,416,843 for cost and \$947,013 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 35	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Block 12	5. PROJECT NO. (if applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (if other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
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The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$126,106, of which \$117,947 is allotted to cost and \$8,159 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,534,790. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$955,172 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY <i>David H. Jones</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 3/20/97

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DSK.1139	97	H15191	537-06-34-20	\$ 34,126	DS08	Complete
DSK.1139	97	R21757	632-10-14-39	\$ 91,980	DS08	Complete
			Total	\$ 126,106		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,489,962</u> *

* Current funding includes \$13,534,790 for cost and \$955,172 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 36		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$111,685, of which \$104,454 is allotted to cost and \$7,231 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,639,244. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$962,403 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 3/3/97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DCP.1173	97	H15276	53708222100	\$13,842.00	DC06	Complete
DCP.1173	97	H15277	53708222100	\$13,843.00	DC06	Complete
DMF.4999	97	R22229	32378010400	\$50,000.00	DM28	Complete
DMF.5049	97	R21584	24330071100	\$34,000.00	DM29	Complete
Total				\$111,685.00		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 14,681,667

* Current funding includes \$13,639,244 for cost and \$962,403 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. **37** 3. EFFECTIVE DATE **See Block 16C** 4. REQUISITION/PURCHASE REQ. NO. **See page 2** 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
9A. MODIFICATION OF CONTRACT/ORDER NO. **NAS1-96014**
10B. DATED (SEE ITEM 13) **7/1/96**

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$60,122, of which \$56,928 is allotted to cost and \$3,194 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,696,172. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$965,597 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
16A. UNITED STATES OF AMERICA
BY *[Signature]*
(Signature of Contracting Officer)
16C. DATE SIGNED
4-9-97

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DI.1147	97	R21892	52214210100	\$12,637.00	DI10	Complete
DI.1147	97	R21864	52214310400	\$40,000.00	DI10	Complete
DAA.1924	97	R9946	50559874100	\$19,365.00	DA03	Partial
DCK.1064	96	R19580	50564520100	-\$11,880.00	DC13	Complete
TOTAL				\$60,122.00		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,661,769 *</u>

* Current funding includes \$13,696,172 for cost and \$965,597 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 38	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
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The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

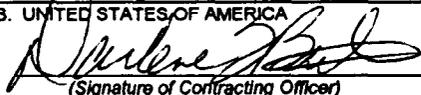
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$151,000, of which \$144,902 is allotted to cost and \$6,098 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,841,074. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$971,695 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 4-11-97
(Signature of person authorized to sign)			

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DFC.3480	97	R20955	53807142100	\$40,000.00	DF05	Complete
DFC.3480	97	R20957	53807151000	\$30,000.00	DF05	Complete
DFC.3480	97	R22040	58120310100	\$22,000.00	DF05	Partial
DFC.3480	96	H2321A	53803120100	\$59,000.00	DF05	Complete

TOTAL \$151,000.00

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,812,769</u> *

* Current funding includes \$13,841,074 for cost and \$971,695 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 39	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$74,822, of which \$69,979 is allotted to cost and \$4,843 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,911,053. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$976,538 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
(Signature of person authorized to sign)		16C. DATE SIGNED 4/16/97

ACCOUNTING AND APPROPRIATION DATA

PR NO. PY JO RTR Amount Task No. Status
 DMC.4752 97 R22606 50563107100 \$76,000.00 DM31 Partial

TOTAL \$76,000.00

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,887,591 *</u>

* Current funding includes \$13,911,053 for cost and \$976,538 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 40	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to increase the funding of the contract by \$40,000, of which \$37,412 is allotted to cost and \$2,588 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

 Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$13,948,465. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

 (b) An additional amount of \$979,126 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 4-17-97

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DI.1163	97 R22264	25870210600	\$40,000.00	DI08	Complete

TOTAL \$40,000.00

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 14,927,591 *</u>

* Current funding includes \$13,948,465 for cost and \$979,126 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 41	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (if applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (if other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

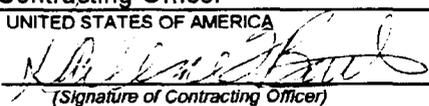
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$85,000 of which \$79,500 is allotted to cost and \$5,500 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,027,965. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$984,626 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED HM-97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO. PY JO RTR Amount Task No. Status
 DMB.4907 97 H15189 53706322000 \$85,000.00 DM13 Complete

TOTAL \$85,000.00

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,012,591 *</u>

* Current funding includes \$14,027,965 for cost and \$984,626+C47 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 42	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$286,761 of which \$268,209 is allotted to cost and \$18,552 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,296,174. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,003,178 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by: (Signature of Contracting Officer)	16C. DATE SIGNED APR 29 1997

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DI.1142	97	R21951	51930310100	\$47,073.00	DI07	Complete
DAF.0261	97	R21828	52251311000	\$48,688.00	DG04	Complete
DSL.1273	97	H15191	53706342000	\$62,000.00	DS05	Complete
DSL.1272	97	R22342	24233011500	\$30,000.00	DS05	Complete
DSL.1272	97	R22343	24233011700	\$90,000.00	DS05	Complete
DSL.1272	97	R22362	24233032000	\$9,000.00	DS05	Complete

TOTAL \$ 286,761

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,143	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
		\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 15,299,352 *

* Current funding includes \$14,296,174 for cost and \$1,003,178 for fee.

The accounting and appropriate data under Modification No. 39 should read:
DMC.4752;97;R22606;50563107100;\$474,822;DM31;Partial

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 43	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014 10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

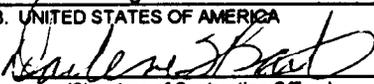
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$189,511 of which \$177,248 is allotted to cost and \$12,263 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,473,422. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,015,441 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 5-2-97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DFB.3733	97	H2342S	53803140100	\$40,511.00	DF09	Partial
DSI.1561	97	R19615	53802100200	\$42,000.00	DS01	Complete
DSI.1561	97	R21912	52211410200	\$50,000.00	DS01	Complete
DMF.5067	97	R22229	32378010400	\$15,000.00	DM29	Complete
DMF>5063	97	R19572	53802110100	\$42,000.00	DM07	Complete
TOTAL				\$ 189,511		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,488,863</u> *

* Current funding includes \$14,473,422 for cost and \$1,015,441 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 44		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to increase the funding of the contract by \$83,000 of which \$78,807 is allotted to cost and \$4,193 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:
 Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,552,229. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
 (b) An additional amount of \$1,019,634 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 5-8-97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DMC.4761	97	R21816	53810110500	\$40,000.00	DM30	Complete
DFC.3490	97	R22039	58120210200	\$43,000.00	DF04	Complete
TOTAL				\$ 83,000		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
		\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 15,571,863 *

* Current funding includes \$14,552,229 for cost and \$1,019,634 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 45		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (if applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (if other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning ___ copies of the amendment;
 - (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 - (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers.
- FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$164,560 of which \$153,912 is allotted to cost and \$10,648 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,706,141. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,030,282 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 5-9-97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DFM.1186	97	R21743	53805140100	\$35,000.00	DF11	Complete
DFL.1394	97	R19823	53805150100	\$27,000.00	DF15	Complete
DCK.1083	97	H15270	53708222200	\$22,560.00	DC14	Complete
DCK.1083	97	H15268	53708232100	\$80,000.00	DC14	Complete
			TOTAL	\$ 164,560		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,736,423 *</u>

* Current funding includes \$14,706,141 for cost and \$1,030,282 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 46	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$84,081 of which \$78,284 is allotted to cost and \$5,797 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,784,425. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,036,079 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 5-16-97

FILE 0100

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DAB.1034	97	R19554	24280010100	\$41,000.00	DG03	Complete
DAB.1035	97	R19554	24280010100	\$37,000.00	DG02	Complete
DAA.1928	97	R9936	50559873800	\$6,081.00	DA11	Complete
TOTAL				\$ 84,081		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,820,504 *</u>

* Current funding includes \$14,784,425 for cost and \$1,036,079 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 47	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

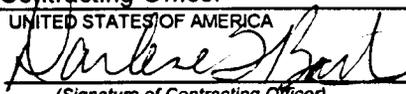
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$75,000 of which \$70,147 is allotted to cost and \$4,853 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,854,572. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,040,932 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 5-20-97
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DMC.4779	97	R9949	50563876400	\$10,000.00	DM21	Complete
DCL.1108	97	R21906	52224210400	\$37,000.00	DC08	Complete
DCP.1182	97	R20896	53804111700	\$28,000.00	DC07	Complete
TOTAL				\$ 75,000		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,895,504 *</u>

* Current funding includes \$14,854,572 for cost and \$1,040,932 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 48		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. DAA.1924		5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DAA.1924;R9946;50559874100;\$54,635;(Complete)(Task DA03)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$54,635 of which \$51,100 is allotted to cost and \$3,535 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$14,905,672. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,044,467 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA? BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5-22-97
(Signature of person authorized to sign)			

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DAA.1924	97 R9946	50559874100	\$54,635.00	DA03	Complete

TOTAL \$ 54,635

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 15,950,139</u> *

* Current funding includes \$14,905,672 for cost and \$1,044,467 for fee.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 49	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$243,065 of which \$227,330 is allotted to cost and \$15,735 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,133,002. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,060,202 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5-29-97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DIG.1248	97	R21772	53804130200	\$23,128.00	DI04	Complete
DMF.5081	97	R22229	32378010400	\$8,200.00	DM32	Partial
DMF.5081	97	R22654	25050205000	\$45,000.00	DM32	Partial
DFM.1188	97	R21743	53805140100	\$6,737.00	DF16	Partial
DME.2443	97	R21883	52212110200	\$40,000.00	DM33	Partial
DME.2443	97	R21884	52212110100	\$120,000.00	DM33	Complete
			TOTAL \$	243,065		

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 16,193,204 *</u>
	Cost	\$ 15,133,002		
	Fee	\$ 1,060,202		
	* \$	16,193,204		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 50	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

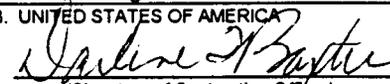
The purpose of this modification is to increase the funding of the contract by \$26,988 of which \$25,237 is allotted to cost and \$1,751 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,158,239. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,061,953 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6-4-97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DCO.1127	97	R20896	53804111700	DC15	Partial
DCM.1217	97	R21846	52222210400	DC11	Complete

TOTAL \$ 26,988

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
		<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 16,220,192 *</u>
		Cost	\$ 15,158,239		
		Fee	\$1,061,953		
		* \$	16,220,192		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 3				
2. AMENDMENT/MODIFICATION NO. 51	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)					
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6)						
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)								
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001								
					(x)	9A. AMENDMENT OF SOLICITATION NO.		
						9B. DATED (SEE ITEM 11)		
					X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014		
			10B. DATED (SEE ITEM 13) 7/1/96					
CODE	FACILITY CODE							

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

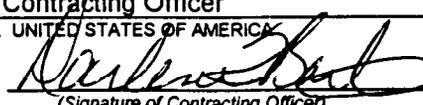
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the funding of the contract by \$96,162 of which \$90,246 is allotted to cost and \$5,916 is allotted to fee, and to add Exhibit H. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
- "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,248,485. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
- (b) An additional amount of \$1,067,869 is obligated under this contract for payment of fee".
- B. In accordance with 18-52.219-77—NASA MENTOR-PROTÉGÉ PROGRAM, add Exhibit H to Section J—LIST OF ATTACHMENTS.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	6-6-97
		(Signature of Contracting Officer)	

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DSI.1580	97	H15192	53706352000	\$72,328.00	DS06	Complete
DI.1164	97	R22335	53804220100	\$6,345.00	DI11	Complete
DFB.3733	97	H2342S	53803140100	\$17,489.00	DF09	Complete

TOTAL \$ 96,162

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 16,316,354 *</u>
	Cost	\$ 15,248,485		
	Fee	\$1,067,869		
	* \$	16,316,354		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 52		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$59,226 of which \$54,821 is allotted to cost and \$4,405 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
- "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,303,306. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
- (b) An additional amount of \$1,072,274 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 6-10-97
(Signature of person authorized to sign)			

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DMF.4978	97	R22229	32378010400	\$16,993.00	DM24	Complete
DMF.4959	97	R21655	32378010200	\$9,475.00	DM24	Complete
DAA.1934	97	R9935	50559873700	\$2,652.60	DA03	Complete
DAA.1934	97	R9946	50559874100	\$758.00	DA03	Complete
DAA.1934	97	R9950	50559874200	\$29,347.40	DA03	Complete
TOTAL \$				59,226		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
	<u>\$ 31,610,127</u>	<u>\$ 2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 16,375,580 *</u>
	Cost	\$ 15,303,306		
	Fee	\$ 1,072,274		
	*	\$ 16,375,580		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 53	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

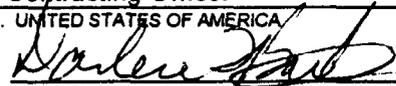
The purpose of this modification is to transfer the unearned award fee dollars of \$79,301 to task order DO00. The total funding for that task order is \$79,301(\$74,170 is allotted for cost and \$5,131 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,377,476. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$998,104 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6-12-97
(Signature of person authorized to sign)			

FILE

ACCOUNTING AND APPROPRIATION DATA

PR NO. PY JO RTR Amount Task No. Status

See attached memo;
FMD purposes only.

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1		0	0	0	1,700,026
Mod. No. 2		0	0	0	28,600
Mod. No. 3		0	0	0	112,000
Mod. No. 4		0	0	0	50,000
Mod. No. 5		0	0	0	(82,800)
Mod. No. 6		0	0	0	50,000
Mod. No. 7		0	0	0	(18,594)
Mod. No. 8		0	0	0	123,600
Mod. No. 9		0	0	0	66,345
Mod. No. 10		0	0	0	194,795
Mod. No. 11		0	0	0	82,000
Mod. No. 12		0	0	0	298,000
Mod. No. 13		0	0	0	832,608
Mod. No. 14		0	0	0	2,038,096
Mod. No. 15		0	0	0	1,147,292
Mod. No. 16		0	0	0	810,237
Mod. No. 17		0	0	0	1,346,484
Mod. No. 18		0	0	0	1,531,825
Mod. No. 19		0	0	0	334,753
Mod. No. 20		0	0	0	281,502
Mod. No. 21		0	0	0	86,747
Mod. No. 22		0	0	0	91,541
Mod. No. 23		0	0	0	49,802
Mod. No. 24		0	0	0	50,916
Mod. No. 25		0	0	0	5,948
Mod. No. 26		0	0	0	24,737
Mod. No. 27		13,845,044	957,148	14,802,192	0
Mod. No. 28		0	0	0	174,099
Mod. No. 29		0	0	0	0
Mod. No. 30		0	0	0	673
Mod. No. 31		0	0	0	0
Mod. No. 32		0	0	0	200,000
Mod. No. 33		0	0	0	224,219

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 54	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$321,700 (\$300,886 is allotted for cost and \$20,814 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,678,362. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,018,918 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6-13-97

FILE

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34		0	0	0	35,618
Mod. No. 35		0	0	0	126,106
Mod. No. 36		0	0	0	111,685
Mod. No. 37		0	0	0	60,122
Mod. No. 38		0	0	0	151,000
Mod. No. 39		0	0	0	74,822
Mod. No. 40		0	0	0	40,000
Mod. No. 41		0	0	0	85,000
Mod. No. 42		0	0	0	286,761
Mod. No. 43		0	0	0	189,511
Mod. No. 44		0	0	0	83,000
Mod. No. 45		0	0	0	164,560
Mod. No. 46		0	0	0	84,081
Mod. No. 47		0	0	0	75,000
Mod. No. 48		0	0	0	54,635
Mod. No. 49		0	0	0	243,065
Mod. No. 50		0	0	0	26,988
Mod. No. 51		0	0	0	96,162
Mod. No. 52		0	0	0	59,226
Mod. No. 53		0	0	0	0
		<u>31,610,127</u>	<u>2,185,508</u>	<u>33,795,635</u>	<u>16,375,580</u>
		\$	\$	\$	\$

Cost \$ 15,377,476
 Fee \$998,104
 * \$ 16,375,580

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DCK.1117	97	H15241	53707242400	\$40,000.00	DC14	Complete
DIF.1170	97	R22293	25870210600	\$126,000.00	DI13	Complete
DIF.1170	97	R22638	96330015000	\$40,000.00	DI13	Complete
DAA.1929	97	R9927	50559873400	\$7,700.00	DA11	Partial
DAA.1929	97	R9939	50559874000	\$28,000.00	DA11	Complete
DCP.1185	97	H15276	53708222100	\$27,000.00	DC06	Partial
DCP.1185	97	9H15277	53708222100	\$ 53,000	DC06	Complete
			Total	\$ 321,700		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. NO. 54	0	0	0	321,700
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 16,697,280

Cost \$ 15,678,362
 Fee \$1,018,918
 * \$ 16,697,280

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
		1	3

2. AMENDMENT/MODIFICATION NO. 55	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$90,000 (\$84,177 is allotted for cost and \$5,823 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 - “(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$15,762,539. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
 - (b) An additional amount of \$1,024,741 is obligated under this contract for payment of fee”.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6-28-97

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DMF.5082	97	R21817	53810110300	\$40,000.00	DM36	Complete
DMC.4786	97	H15190	53706332000	\$30,000.00	DM34	Complete
DMF.5089	97	R21584	24330071100	\$20,000.00	DM29	Complete

Total \$ 90,000

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$ 1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
	\$ 31,610,127	\$ 2,185,508	\$ 33,795,635	\$ 16,787,280

Cost \$ 15,762,539
 Fee \$ 1,024,741
 * \$ 16,787,280

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 56	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

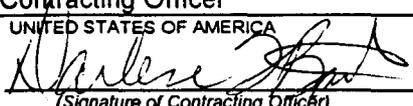
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$82,268 (\$77,023 is allotted for cost and \$5,245 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
- "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,839,562. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
- (b) An additional amount of \$1,029,986 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	10-23-97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DAC.1101	97	R21751	53805130100	\$37,858	DA04 Complete
DSK.1147	97	R22072	52231210500	\$20,254	DS02 Complete
DMH.1431	97	R22357	63220211300	\$1,200	DM09 Complete
DMC.4787	97	R20489	50563106400	\$22,956	DM35 Complete
			Total	\$82,268	

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106
Mod. No. 36	0	\$0	0	111,685
Mod. No. 37	0	\$0	0	60,122
Mod. No. 38	0	\$0	0	151,000
Mod. No. 39	0	\$0	0	74,822
Mod. No. 40	0	\$0	0	40,000
Mod. No. 41	0	\$0	0	85,000
Mod. No. 42	0	\$0	0	286,761
Mod. No. 43	0	\$0	0	189,511
Mod. No. 44	0	\$0	0	83,000
Mod. No. 45	0	\$0	0	164,560
Mod. No. 46	0	\$0	0	84,081
Mod. No. 47	0	\$0	0	75,000
Mod. No. 48	0	\$0	0	54,635
Mod. No. 49	0	\$0	0	243,065
Mod. No. 50	0	\$0	0	26,988
Mod. No. 51	0	\$0	0	96,162
Mod. No. 52	0	\$0	0	59,226
Mod. No. 53	0	\$0	0	0
Mod. No. 54	0	\$0	0	321,700
Mod. No. 55	0	\$0	0	90,000
Mod. No. 56	0	\$0	0	82,268

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 16,869,548

Cost \$15,839,562
 Fee \$1,029,986
 * \$16,869,548

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES	
	1	3

2. AMENDMENT/MODIFICATION NO. 57	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$158,025 (\$147,801 is allotted for cost and \$10,224 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$15,987,363. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

 (b) An additional amount of \$1,040,210 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 6-26-97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DI.1156	97	R22275	25870210600	\$18,533	DI08	Complete
DIG.1258	97	R21770	53804130200	\$17,492	DI15	Complete
DCM.1221	97	R22357	50559305300	\$100,000	DC11	Complete
DMF.5079	97	H15190	53706332000	\$22,000	DM37	Complete
			Total	\$158,025		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	\$0	0	35,618
Mod. No.	35	0	\$0	0	126,106
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025

\$	31,610,127	\$2,185,508	\$	33,795,635	\$	17,027,573
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Cost	\$15,987,363
Fee	\$1,040,210
*	\$17,027,573

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 58	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

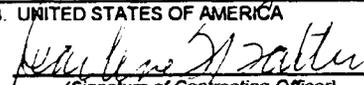
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$337,539 (\$313,353 is allotted for cost and \$24,186 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
- "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,324,902. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.
- (b) An additional amount of \$1,064,396 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 6-30-99

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DCK.1084	97	R21848	52221310100	\$22,676	DC16	Complete
DFC.3480	97	H2321A	53803120100	-\$28,442	DF05	Complete
DI.1143	97	R21838	52214210200	\$31,148	DI01	Complete
DI.1148	97	R21838	52214210200	\$22,231	DI09	Complete
DI.1150	97	R21770	53804130200	\$80,194	DI04	Complete
DIF.1145	97	R22293	25870210600	\$30,732	DI12	Complete
DMH.1418	97	R22515	9561700010	\$6,000	DM38	Complete
DMF.5088	97	R19572	53802110100	\$110,000	DM40	Complete
L.1003	97	R21861	52251111000	\$63,000	DO01	Complete
				Total		
					\$337,539	

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	\$0	0	35,618
Mod. No.	35	0	\$0	0	126,106
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 17,365,112
			Cost		\$16,300,716
			Fee		\$1,064,396
			*		\$17,365,112

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 59	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$72,177 (\$67,255 is allotted for cost and \$4,922 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,367,971. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,069,318 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7-2-97

FILE CODE

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY.	JO	RTR Amount		Task No.	Status
DFM.1190	97	R21743	53805140100	\$39,836	DF16	Complete
DI.1166	97	R21679	96221005000	\$10,520	DI14	Complete
DMH.1417	97	R21887	52232110200	\$10,000	DM39	Complete
DMH.1417	97	R22357	63220211300	\$10,000	DM39	Complete
DMH.1433	97	R22515	95617000100	\$1,121	DM38	Complete
DMH.1434	97	R22357	63220211300	\$700	DM39	Complete
			TOTAL	\$72,177		

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	\$0	0	1,700,026
Mod. No.	2	0	\$0	0	28,600
Mod. No.	3	0	\$0	0	112,000
Mod. No.	4	0	\$0	0	50,000
Mod. No.	5	0	\$0	0	(82,800)
Mod. No.	6	0	\$0	0	50,000
Mod. No.	7	0	\$0	0	(18,594)
Mod. No.	8	0	\$0	0	123,600
Mod. No.	9	0	\$0	0	66,345
Mod. No.	10	0	\$0	0	194,795
Mod. No.	11	0	\$0	0	82,000
Mod. No.	12	0	\$0	0	298,000
Mod. No.	13	0	\$0	0	832,608
Mod. No.	14	0	\$0	0	2,038,096
Mod. No.	15	0	\$0	0	1,147,292
Mod. No.	16	0	\$0	0	810,237
Mod. No.	17	0	\$0	0	1,346,484
Mod. No.	18	0	\$0	0	1,531,825
Mod. No.	19	0	\$0	0	334,753
Mod. No.	20	0	\$0	0	281,502
Mod. No.	21	0	\$0	0	86,747
Mod. No.	22	0	\$0	0	91,541
Mod. No.	23	0	\$0	0	49,802
Mod. No.	24	0	\$0	0	50,916
Mod. No.	25	0	\$0	0	5,948
Mod. No.	26	0	\$0	0	24,737
Mod. No.	27	13,845,044	\$957,148	14,802,192	0
Mod. No.	28	0	\$0	0	174,099
Mod. No.	29	0	\$0	0	0
Mod. No.	30	0	\$0	0	673
Mod. No.	31	0	\$0	0	0
Mod. No.	32	0	\$0	0	200,000
Mod. No.	33	0	\$0	0	224,219

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	34	0	\$0	0	35,618
Mod. No.	35	0	\$0	0	126,106
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 17,437,289
			Cost \$16,367,971		
			Fee \$1,069,318		
			* \$17,437,289		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 60	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$137,790 (\$128,876 is allotted for cost and \$8,914 is allotted for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,496,847. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,078,232 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7-3-97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount		Task No.	Status
DCO.1139	97	R20708	50564125800	\$50,000	DC02	Partial
DI.1168	97	R22274	25870210600	\$25,000	DI06	Complete
DI.1167	97	R20810	96335000100	\$60,464.65	DI03	Complete
DI.1167	97	R22638	96330015000	\$2,325.35	DI03	Complete
			TOTAL	\$137,790		

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$	17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1		0	\$0	0	1,700,026
Mod. No. 2		0	\$0	0	28,600
Mod. No. 3		0	\$0	0	112,000
Mod. No. 4		0	\$0	0	50,000
Mod. No. 5		0	\$0	0	(82,800)
Mod. No. 6		0	\$0	0	50,000
Mod. No. 7		0	\$0	0	(18,594)
Mod. No. 8		0	\$0	0	123,600
Mod. No. 9		0	\$0	0	66,345
Mod. No. 10		0	\$0	0	194,795
Mod. No. 11		0	\$0	0	82,000
Mod. No. 12		0	\$0	0	298,000
Mod. No. 13		0	\$0	0	832,608
Mod. No. 14		0	\$0	0	2,038,096
Mod. No. 15		0	\$0	0	1,147,292
Mod. No. 16		0	\$0	0	810,237
Mod. No. 17		0	\$0	0	1,346,484
Mod. No. 18		0	\$0	0	1,531,825
Mod. No. 19		0	\$0	0	334,753
Mod. No. 20		0	\$0	0	281,502
Mod. No. 21		0	\$0	0	86,747
Mod. No. 22		0	\$0	0	91,541
Mod. No. 23		0	\$0	0	49,802
Mod. No. 24		0	\$0	0	50,916
Mod. No. 25		0	\$0	0	5,948
Mod. No. 26		0	\$0	0	24,737
Mod. No. 27		13,845,044	\$957,148	14,802,192	0
Mod. No. 28		0	\$0	0	174,099
Mod. No. 29		0	\$0	0	0
Mod. No. 30		0	\$0	0	673
Mod. No. 31		0	\$0	0	0
Mod. No. 32		0	\$0	0	200,000
Mod. No. 33		0	\$0	0	224,219

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106
Mod. No. 36	0	\$0	0	111,685
Mod. No. 37	0	\$0	0	60,122
Mod. No. 38	0	\$0	0	151,000
Mod. No. 39	0	\$0	0	74,822
Mod. No. 40	0	\$0	0	40,000
Mod. No. 41	0	\$0	0	85,000
Mod. No. 42	0	\$0	0	286,761
Mod. No. 43	0	\$0	0	189,511
Mod. No. 44	0	\$0	0	83,000
Mod. No. 45	0	\$0	0	164,560
Mod. No. 46	0	\$0	0	84,081
Mod. No. 47	0	\$0	0	75,000
Mod. No. 48	0	\$0	0	54,635
Mod. No. 49	0	\$0	0	243,065
Mod. No. 50	0	\$0	0	26,988
Mod. No. 51	0	\$0	0	96,162
Mod. No. 52	0	\$0	0	59,226
Mod. No. 53	0	\$0	0	0
Mod. No. 54	0	\$0	0	321,700
Mod. No. 55	0	\$0	0	90,000
Mod. No. 56	0	\$0	0	82,268
Mod. No. 57	0	\$0	0	158,025
Mod. No. 58	0	\$0	0	337,539
Mod. No. 59	0	\$0	0	72,177
Mod. No. 60	0	\$0	0	137,790
	\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 17,575,079
		Cost \$16,496,847		
		Fee \$1,078,232		
		* \$17,575,079		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
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2. AMENDMENT/MODIFICATION NO. 61	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
---------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 1852-245-71—INSTALLATION-PROVIDED PROPERTY AND SERVICES
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

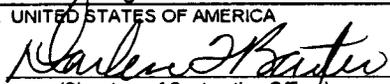
The purpose of this modification is to increase the funding of the contract by \$68,241 (\$63,803 is allotted for cost and \$4,438 is allotted for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,560,650. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,082,670 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR	Amount	Task No.	Status
DAA.1941	97	R21743	53805140100	\$61,508	DA08	Complete
DAF.0271	97	R21828	52251311000	\$125,000	DG04	Complete
DFB.3683	97	H2351S	53803150100	-\$20,000	DF01	Complete
DFM.1095	97	H2313C	53803110100	-\$31,095	DF03	Complete
DME.2389	97	H15188	53706312000	-\$120,000	DM10	Complete
DSL.1300	97	R22575	24233019900	\$52,828.00	DS05	Complete
TOTAL				\$68,241		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106
Mod. No. 36	0	\$0	0	111,685
Mod. No. 37	0	\$0	0	60,122

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 17,643,320

Cost \$16,560,650
 Fee \$1,082,670
 * \$17,643,320

file
Mod 62

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 4

2. AMENDMENT/MODIFICATION NO.

62

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

See page 2

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

7. ADMINISTERED BY (If other than Item 6)

CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

X

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-96014

10B. DATED (SEE ITEM 13)

7/1/96

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$163,252 (\$152,691 is allotted for cost and \$10,561 is allotted for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,713,341. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,093,231 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Darlene T. Baxter
Contracting Officer

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DAC.1002	97	H15279	53707202400	\$13,252	DA05 Complete
DFC.3504	97	H2331A	53802130100	\$105,000	DF04 Complete
DFM.1193	97	H15283	53707202100	\$45,000	DF08 Complete

TOTAL \$163,252

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106
Mod. No. 36	0	\$0	0	111,685
Mod. No. 37	0	\$0	0	60,122

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252

\$	31,610,127	\$2,185,508	\$	33,795,635	\$	17,806,572
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Cost	\$16,713,341
Fee	\$1,093,231
*	\$17,806,572

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 63	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

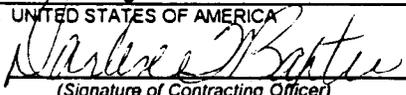
The purpose of this modification is to deobligate and increase the funding of the contract by \$212,523 (\$195,523 is allotted for cost and \$17,000 is allotted for fee), and revise the Award Fee Evaluation Plan. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,908,864. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,110,231 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7-25-97

B. Under PART III—LIST OR DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS, revise the last paragraph of Exhibit B, SCORING GUIDELINES, to read as follows (a copy of the revised page is attached):

***Any factor/subfactor receiving a grade of poor/unsatisfactory (less than 61) will be assigned zero performance points for the purpose of calculating the award fee amount. No fee will be paid when the total evaluation score is less than 61.**

(Continued on page 3)

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status	
DA.1059	97	H15231	53707202200	\$6,162	DA09	Complete
DAE.1081	97	R22304	24233010400	\$65,000	DA09	Complete
DCL.1091	97	R21756	6321043900	-\$18,343	DC01	Complete
DCL.1115	97	R22693	52214310400	\$20,000	DC09	Complete
DCP.1112	97	R21943	522332101	-\$24,000	DC04	Complete
DME.2456	97	H15188	53706312000	\$130,000	DM33	Complete
DME.2456	97	R22714	24233023300	\$10,000	DM33	Complete
DSD.1492	96	H15193	53706362000	\$31,616	DS03	Complete
DSJ.1148	97	R22352	63220211100	-\$7,912	DS04	Complete
			TOTAL	\$212,523		

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 18,019,095

Cost \$16,908,864
 Fee \$1,110,231
 * \$18,019,095

EXHIBIT B
SCORING GUIDELINES

Each evaluation factor is scored based on these guidelines. The determining percentage for each factor is weighted to derive a recommended award fee rating.

<u>Adjective</u>	<u>Description</u>	<u>Percentage of Award Fee</u>
Excellent	Of exceptional merit; exemplary performance in a timely, efficient, and economical manner; very minor (if any) deficiencies with no adverse effect on overall performance.	91-100
Very Good	Very effective performance, fully responsive to contract requirements accomplished in a timely, efficient, and economical manner for the most part. Only minor deficiencies.	81-90
Good	Effective performance; fully responsive to contract requirements; reportable deficiencies, but with little identifiable effect on overall performance.	71-80
Satisfactory	Meets or slightly exceeds minimum acceptable standards; adequate results. Reportable deficiencies with identifiable, but not substantial, effects on overall performance.	61-70
Poor/ Unsatisfactory	Does not meet minimum acceptable standards in one or more areas; remedial action required in one or more area; deficiencies in one or more areas which adversely affect overall performance.	60 and Below*

*Any factor/subfactor receiving a grade of poor/unsatisfactory (less than 61) will be assigned zero performance points for the purpose of calculating the award fee amount. No fee will be paid when the total evaluation score is less than 61.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 64	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE			9B. DATED (SEE ITEM 11)	
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

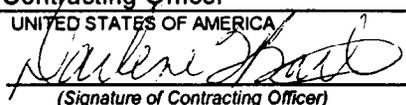
The purpose of this modification is to increase the funding of the contract by \$5,000, allotted for cost. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$16,913,864. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,110,231 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8-1-97

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DC .1031	97	R21756	63210143900	DC01	Complete

TOTAL \$5,000

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 64

Page 2 of 3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 18,024,095
			Cost \$16,913,864		
			Fee \$1,110,231		
			* \$18,024,095		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES	
		1	3	3

2. AMENDMENT/MODIFICATION NO. <p style="text-align: center;">65</p>	3. EFFECTIVE DATE <p style="text-align: center;">See Block 16C</p>	4. REQUISITION/PURCHASE REQ. NO. <p style="text-align: center;">See page 2</p>	5. PROJECT NO. (If applicable)
------------------------------------------------------------------------	-----------------------------------------------------------------------	-----------------------------------------------------------------------------------	--------------------------------

6. ISSUED BY <p style="text-align: center;">National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001</p>	7. ADMINISTERED BY (If other than Item 6)
---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. <p style="text-align: center;">NAS1-96014</p>
		10B. DATED (SEE ITEM 13) <p style="text-align: center;">7/1/96</p>

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

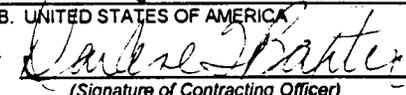
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$161,000 (\$150,584 allotted for cost and \$10,416 allotted for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

*(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,064,448. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,120,647 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <p style="text-align: center;">Darlene T. Baxter Contracting Officer</p>
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status	
DCP.1193	97	R21843	52214110100	\$41,000	DC05	Complete
DME.2457	97	H15188	53706312000	\$120,000	DM33	Complete

TOTAL \$161,000

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 18,185,095</u>
			Cost		
			Fee		
			*		
					\$17,064,448
					\$1,120,647
					\$18,185,095

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
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2. AMENDMENT/MODIFICATION NO. 66	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

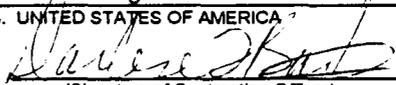
The purpose of this modification is to revise the funding of the contract and to revise the Award Fee Evaluation Plan. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,062,237. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,121,358 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8-8-97
(Signature of person authorized to sign)			

- B. Under PART III—LIST OR DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS, revise Exhibit B, SCORING GUIDELINES. A copy of the revised page is attached.

(Continued on page 3)

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DI.1169	97	R22293	25870210600	DI.12	Complete
DMC.4739	97	R20489	50563106400	DM01	Complete

TOTAL - \$1,500

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 36		0	\$0	0	111,685
Mod. No. 37		0	\$0	0	60,122
Mod. No. 38		0	\$0	0	151,000
Mod. No. 39		0	\$0	0	74,822
Mod. No. 40		0	\$0	0	40,000
Mod. No. 41		0	\$0	0	85,000
Mod. No. 42		0	\$0	0	286,761
Mod. No. 43		0	\$0	0	189,511
Mod. No. 44		0	\$0	0	83,000
Mod. No. 45		0	\$0	0	164,560
Mod. No. 46		0	\$0	0	84,081
Mod. No. 47		0	\$0	0	75,000
Mod. No. 48		0	\$0	0	54,635
Mod. No. 49		0	\$0	0	243,065
Mod. No. 50		0	\$0	0	26,988
Mod. No. 51		0	\$0	0	96,162
Mod. No. 52		0	\$0	0	59,226
Mod. No. 53		0	\$0	0	0
Mod. No. 54		0	\$0	0	321,700
Mod. No. 55		0	\$0	0	90,000
Mod. No. 56		0	\$0	0	82,268
Mod. No. 57		0	\$0	0	158,025
Mod. No. 58		0	\$0	0	337,539
Mod. No. 59		0	\$0	0	72,177
Mod. No. 60		0	\$0	0	137,790
Mod. No. 61		0	\$0	0	68,241
Mod. No. 62		0	\$0	0	163,252
Mod. No. 63		0	\$0	0	212,523
Mod. No. 64		0	\$0	0	5,000
Mod. No. 65		0	\$0	0	161,000
Mod. No. 66		0	\$0	0	(1,500)
		<u>31,610,127</u>	<u>\$2,185,508</u>	<u>33,795,635</u>	<u>\$ 18,183,595</u>

Cost \$17,062,235
 Fee \$1,121,358
 * \$18,183,593

EXHIBIT B
SCORING GUIDELINES

Each evaluation factor is scored based on these guidelines. The determining percentage for each factor is weighted to derive a recommended award fee rating.

<u>Adjective</u>	<u>Description</u>	<u>Percentage of Award Fee</u>
Excellent	Of exceptional merit; exemplary performance in a timely, efficient, and economical manner; very minor (if any) deficiencies with no adverse effect on overall performance.	100-91
Very Good	Very effective performance, fully responsive to contract; contract requirements accomplished in a timely, efficient, and economical manner for the most part; only minor deficiencies.	90-81
Good	Effective performance; fully responsive to contract requirements; reportable deficiencies, but with little identifiable effect on overall performance.	80-71
Satisfactory	Meets or slightly exceeds minimum acceptable standards; adequate results. Reportable deficiencies with identifiable, but not substantial, effects on overall performance.	70-61
Poor/ Unsatisfactory	Does not meet minimum acceptable standards in one or more areas; remedial action required in one or more area; deficiencies in one or more areas which adversely affect overall performance.	Less Than 61*

*Any factor/subfactor receiving a grade of poor/unsatisfactory (less than 61) will be assigned zero performance points for the purpose of calculating the award fee amount. The Contractor will not be paid any award fee when the total award fee score is "Poor/Unsatisfactory" (less than 61).

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 67	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

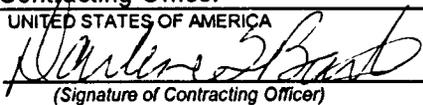
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$25,012(\$23,394 for cost and \$1,618 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,085,631. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,122,976 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 8-14-97

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DCO.1127	97	R20896	53804111700	\$25,012	DC15 Complete

TOTAL \$25,012

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES	
					1	4
2. AMENDMENT/MODIFICATION NO. 68		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A		5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE				

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

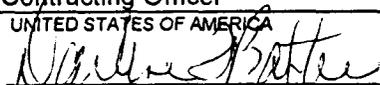
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) I.17—AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76)(SEP 1993)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to authorize the payment of \$437,300 in earned award fee under the subject contract for the second award fee period, and to adjust the contract schedule to reflect the available award fee pool for the period and the earned award fee amount. Accordingly, the following changes are hereby being made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.	
15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY 	8-21-97
(Signature of Contracting Officer)	

FILE COPY

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 18,208,607

Cost \$17,085,631
 Fee \$1,122,976
 * \$18,208,607

A. Under B.3—AWARD FEE AVAILABILITY SCHEDULE, LaRC 52.216-96)(MAR 1989), is hereby being revised as follows:

“The award fee available for each evaluation period is as follows:

Period	Available Award Fee	Earned Award Fee	Unearned Award Fee
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	\$519,041	\$437,300	\$81,741
7/1/97 - 12/31/97	TBD*	TBD*	TBD*
1/1/98 - 6/30/98	TBD*	TBD*	TBD*

*"To Be Determined"

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$437,300 shall be paid to the Contractor upon execution of this modification by the Contracting Officer for the second award fee period.

ACCOUNTING AND APPROPRIATION DATA

PR NO. PY JO RTR Amount Task No. Status

TOTAL \$0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$	17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1		0	\$0	0	1,700,026
Mod. No. 2		0	\$0	0	28,600
Mod. No. 3		0	\$0	0	112,000
Mod. No. 4		0	\$0	0	50,000
Mod. No. 5		0	\$0	0	(82,800)
Mod. No. 6		0	\$0	0	50,000
Mod. No. 7		0	\$0	0	(18,594)
Mod. No. 8		0	\$0	0	123,600
Mod. No. 9		0	\$0	0	66,345
Mod. No. 10		0	\$0	0	194,795
Mod. No. 11		0	\$0	0	82,000
Mod. No. 12		0	\$0	0	298,000
Mod. No. 13		0	\$0	0	832,608
Mod. No. 14		0	\$0	0	2,038,096
Mod. No. 15		0	\$0	0	1,147,292
Mod. No. 16		0	\$0	0	810,237
Mod. No. 17		0	\$0	0	1,346,484
Mod. No. 18		0	\$0	0	1,531,825
Mod. No. 19		0	\$0	0	334,753
Mod. No. 20		0	\$0	0	281,502
Mod. No. 21		0	\$0	0	86,747
Mod. No. 22		0	\$0	0	91,541
Mod. No. 23		0	\$0	0	49,802
Mod. No. 24		0	\$0	0	50,916
Mod. No. 25		0	\$0	0	5,948
Mod. No. 26		0	\$0	0	24,737
Mod. No. 27		13,845,044	\$957,148	14,802,192	0
Mod. No. 28		0	\$0	0	174,099
Mod. No. 29		0	\$0	0	0
Mod. No. 30		0	\$0	0	673
Mod. No. 31		0	\$0	0	0
Mod. No. 32		0	\$0	0	200,000
Mod. No. 33		0	\$0	0	224,219
Mod. No. 34		0	\$0	0	35,618
Mod. No. 35		0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 36		0	\$0	0	111,685
Mod. No. 37		0	\$0	0	60,122
Mod. No. 38		0	\$0	0	151,000
Mod. No. 39		0	\$0	0	74,822
Mod. No. 40		0	\$0	0	40,000
Mod. No. 41		0	\$0	0	85,000
Mod. No. 42		0	\$0	0	286,761
Mod. No. 43		0	\$0	0	189,511
Mod. No. 44		0	\$0	0	83,000
Mod. No. 45		0	\$0	0	164,560
Mod. No. 46		0	\$0	0	84,081
Mod. No. 47		0	\$0	0	75,000
Mod. No. 48		0	\$0	0	54,635
Mod. No. 49		0	\$0	0	243,065
Mod. No. 50		0	\$0	0	26,988
Mod. No. 51		0	\$0	0	96,162
Mod. No. 52		0	\$0	0	59,226
Mod. No. 53		0	\$0	0	0
Mod. No. 54		0	\$0	0	321,700
Mod. No. 55		0	\$0	0	90,000
Mod. No. 56		0	\$0	0	82,268
Mod. No. 57		0	\$0	0	158,025
Mod. No. 58		0	\$0	0	337,539
Mod. No. 59		0	\$0	0	72,177
Mod. No. 60		0	\$0	0	137,790
Mod. No. 61		0	\$0	0	68,241
Mod. No. 62		0	\$0	0	163,252
Mod. No. 63		0	\$0	0	212,523
Mod. No. 64		0	\$0	0	5,000
Mod. No. 65		0	\$0	0	161,000
Mod. No. 66		0	\$0	0	(1,500)
Mod. No. 67		0	\$0	0	25,012
Mod. No. 68		0	\$0	0	0
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 18,208,607

Cost \$17,085,631
 Fee \$1,122,976
 * \$18,208,607

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 69	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(d).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$81,617 (\$76,332 for cost and \$5,285 for fee), and correct the accounting and appropriation data under Modification No. 56. Accordingly, the following changes are made to the Contract Schedule:

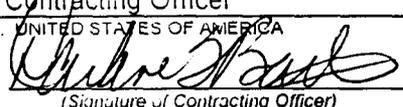
A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

*(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,161,963. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,128,261 is obligated under this contract for payment of fee*.

B. Under the Accounting and Appropriation data for Modification No. 56, revise DAC.1101 to read DAC.1001.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
(Signature of person authorized to sign)	16C. DATE SIGNED 8-20-97
15C. DATE SIGNED	

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status	
DAD.1002	97	R21847	52211310100	\$14,617	DA02	Complete
DMF.5108	97	R22307	24233011200	\$67,000	DM15	Complete

TOTAL \$81,617

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
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Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
Mod. No.	68	0	\$0	0	81,617

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 18,290,224

Cost \$17,161,963
 Fee \$1,128,261
 * \$18,290,224

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 70	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

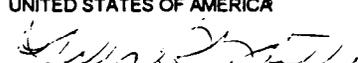
The purpose of this modification is to increase the funding of the contract by \$42,500(\$39,568 for cost and \$2,932 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,201,531. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,131,193 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/2/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JO	RTR Amount	Task No.	Status
DFB.3752	97	H2321S	53803120200	\$10,000	DF06 Complete
DME.2459	97	R22342	24233011500	\$7,100	DM33 Complete
DME.2459	97	R22343	24233011700	\$25,400	DM33 Complete

TOTAL \$42,500

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 70

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
Mod. No.	68	0	\$0	0	81,617
Mod. No.	70	0	\$0	0	42,500

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 18,332,724

Cost \$17,201,531
 Fee \$1,131,193
 * \$18,332,724

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 71	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

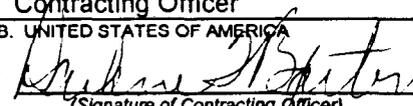
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to obligate and deobligate the funding of the contract by \$170,400 (\$158,302 for cost and \$12,098 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,359,833. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,143,291 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/10/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DCO.1143	97 R20708	50564125800	\$3,000.0	DC02 Complete
DCO.1143	97 R21848	52221310100	\$19,000.0	DC02 Complete
DFB.3696	97 H15194	53706372000	-\$1,600	DF07 Complete
DFB.3756	97 H2342S	53803140100	\$45,000	DF09 Complete
IA.0919	97 H15180	53709212100	\$100,000	DF13 Complete
DIG.1269	97 R21770	53804130200	\$20,000	DI04 Complete
DMF.5082	97 R21817	53810110300	-\$15,000	DM36 Complete

TOTAL \$170,400

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 36		0	\$0	0	111,685
Mod. No. 37		0	\$0	0	60,122
Mod. No. 38		0	\$0	0	151,000
Mod. No. 39		0	\$0	0	74,822
Mod. No. 40		0	\$0	0	40,000
Mod. No. 41		0	\$0	0	85,000
Mod. No. 42		0	\$0	0	286,761
Mod. No. 43		0	\$0	0	189,511
Mod. No. 44		0	\$0	0	83,000
Mod. No. 45		0	\$0	0	164,560
Mod. No. 46		0	\$0	0	84,081
Mod. No. 47		0	\$0	0	75,000
Mod. No. 48		0	\$0	0	54,635
Mod. No. 49		0	\$0	0	243,065
Mod. No. 50		0	\$0	0	26,988
Mod. No. 51		0	\$0	0	96,162
Mod. No. 52		0	\$0	0	59,226
Mod. No. 53		0	\$0	0	0
Mod. No. 54		0	\$0	0	321,700
Mod. No. 55		0	\$0	0	90,000
Mod. No. 56		0	\$0	0	82,268
Mod. No. 57		0	\$0	0	158,025
Mod. No. 58		0	\$0	0	337,539
Mod. No. 59		0	\$0	0	72,177
Mod. No. 60		0	\$0	0	137,790
Mod. No. 61		0	\$0	0	68,241
Mod. No. 62		0	\$0	0	163,252
Mod. No. 63		0	\$0	0	212,523
Mod. No. 64		0	\$0	0	5,000
Mod. No. 65		0	\$0	0	161,000
Mod. No. 66		0	\$0	0	(1,500)
Mod. No. 67		0	\$0	0	25,012
Mod. No. 68		0	\$0	0	81,617
Mod. No. 70		0	\$0	0	42,500
Mod. No. 71		0	\$0	0	170,400

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 18,503,124

Cost \$17,359,833
 Fee \$1,143,291
 * \$18,503,124

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 72	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

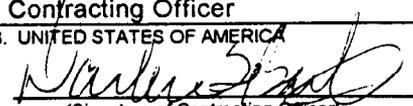
The purpose of this modification is to obligate and deobligate the funding of the contract by \$137,450 (\$127,607 for cost and \$9,843 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,487,440. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,153,134 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/19/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAA.1959	97 R9930	50559873600	\$14,000.0	DA03 Complete
DAA.1959	97 R9935	50559873700	\$2,000.0	DA03 Complete
DAA.1959	97 R9950	50559874200	\$34,362	DA03 Complete
DIG.1271	97 R21770	53804130200	\$18,200	DI04 Complete
DIG.1271	97 R22185	51930210400	\$16,800	DI04 Complete
DI.1171	97 R21838	52214210200	\$6,000	DI11 Complete
DI.1173	97 R21874	52224210300	\$24,000	DI12 Complete
DMC.4807	97 R20489	50563106400	\$8,088	DM35 Complete
DMF.5122	97 T21584	24330071100	\$14,000	DM32 Complete
For transfers see page 3		TOTAL	\$137,450	

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
Mod. No.	68	0	\$0	0	81,617
Mod. No.	70	0	\$0	0	42,500
Mod. No.	71	0	\$0	0	170,400
Mod. No.	72	0	\$0	0	137,450
		\$ 31,610,127	\$2,185,508	\$ 33,795,635	\$ 18,640,574

Tranfers

<u>From Task</u>	<u>To Task</u>	<u>PR</u>	<u>Amount</u>
DM02	DM13	DMB.4786	\$39,351
DM26	DM32	DMF.4955	\$7,603
DM07	DM40	DMF.5063	\$11,064
		Cost	\$17,487,440
		Fee	\$1,153,134
		*	\$18,640,574

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 73	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See pages 2 & 3	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See pages 2 & #

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

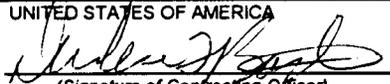
The purpose of this modification is to obligate and deobligate the funding of the contract by \$17,017 (\$15,557 for cost and \$1,460 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,502,997. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,154,594 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 9/26/97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DC.1034	97 R22693	52214310400	DC09	Complete
DCK.1084	97 R21907	52222210300	DC16	Complete
DMC.4817	97 R9931	50563875600	DM21	Complete

For transfers see pag TOTAL \$17,017

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 73

Page 2 of 3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>				
Mod. No.	36	0	\$0	0	111,685				
Mod. No.	37	0	\$0	0	60,122				
Mod. No.	38	0	\$0	0	151,000				
Mod. No.	39	0	\$0	0	74,822				
Mod. No.	40	0	\$0	0	40,000				
Mod. No.	41	0	\$0	0	85,000				
Mod. No.	42	0	\$0	0	286,761				
Mod. No.	43	0	\$0	0	189,511				
Mod. No.	44	0	\$0	0	83,000				
Mod. No.	45	0	\$0	0	164,560				
Mod. No.	46	0	\$0	0	84,081				
Mod. No.	47	0	\$0	0	75,000				
Mod. No.	48	0	\$0	0	54,635				
Mod. No.	49	0	\$0	0	243,065				
Mod. No.	50	0	\$0	0	26,988				
Mod. No.	51	0	\$0	0	96,162				
Mod. No.	52	0	\$0	0	59,226				
Mod. No.	53	0	\$0	0	0				
Mod. No.	54	0	\$0	0	321,700				
Mod. No.	55	0	\$0	0	90,000				
Mod. No.	56	0	\$0	0	82,268				
Mod. No.	57	0	\$0	0	158,025				
Mod. No.	58	0	\$0	0	337,539				
Mod. No.	59	0	\$0	0	72,177				
Mod. No.	60	0	\$0	0	137,790				
Mod. No.	61	0	\$0	0	68,241				
Mod. No.	62	0	\$0	0	163,252				
Mod. No.	63	0	\$0	0	212,523				
Mod. No.	64	0	\$0	0	5,000				
Mod. No.	65	0	\$0	0	161,000				
Mod. No.	66	0	\$0	0	(1,500)				
Mod. No.	67	0	\$0	0	25,012				
Mod. No.	68	0	\$0	0	81,617				
Mod. No.	70	0	\$0	0	42,500				
Mod. No.	71	0	\$0	0	170,400				
Mod. No.	72	0	\$0	0	137,450				
Mod. No.	73	0	\$0	0	17,017				
	0								
		\$	31,610,127	\$	2,185,508	\$	33,795,635	\$	18,657,591

Tranfers

<u>From Task</u>	<u>To Task</u>	<u>PR</u>	<u>Amount</u>
DC03	DC02	DCO.1082	\$4,000

Cost	\$17,502,997
Fee	\$1,154,594
*	\$18,657,591

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 74		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See pages 2 & 3	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE
------	---------------

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See pages 2 & 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to deobligate funding on the contract from fee by \$219,587. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,502,997. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$935,007 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Panice H. Clark Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <u><i>Panice H. Clark</i></u> (Signature of Contracting Officer)	9/29/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAE.1081	R22304	24233010400	-65,000.0	DA09 Complete
DME.2459	R22342	24233011500	-5,081.0	DM33 Complete
DME.2459	R22343	24233011700	-25,400	DM33 Complete
DMF.5108	R22307	24233011200	-50,218	DM15 Complete
DSL.1272	R22343	24233011700	-39,888	DS05 Complete
DSL.1272	R22362	24233032000	-9,000	DS05 Complete
DSL.1300	R22345	24233010800	-25,000	DS05 Complete

For transfers see pag TOTAL -219,587

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 74

Page 2 of 3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 36		0	\$0	0	111,685
Mod. No. 37		0	\$0	0	60,122
Mod. No. 38		0	\$0	0	151,000
Mod. No. 39		0	\$0	0	74,822
Mod. No. 40		0	\$0	0	40,000
Mod. No. 41		0	\$0	0	85,000
Mod. No. 42		0	\$0	0	286,761
Mod. No. 43		0	\$0	0	189,511
Mod. No. 44		0	\$0	0	83,000
Mod. No. 45		0	\$0	0	164,560
Mod. No. 46		0	\$0	0	84,081
Mod. No. 47		0	\$0	0	75,000
Mod. No. 48		0	\$0	0	54,635
Mod. No. 49		0	\$0	0	243,065
Mod. No. 50		0	\$0	0	26,988
Mod. No. 51		0	\$0	0	96,162
Mod. No. 52		0	\$0	0	59,226
Mod. No. 53		0	\$0	0	0
Mod. No. 54		0	\$0	0	321,700
Mod. No. 55		0	\$0	0	90,000
Mod. No. 56		0	\$0	0	82,268
Mod. No. 57		0	\$0	0	158,025
Mod. No. 58		0	\$0	0	337,539
Mod. No. 59		0	\$0	0	72,177
Mod. No. 60		0	\$0	0	137,790
Mod. No. 61		0	\$0	0	68,241
Mod. No. 62		0	\$0	0	163,252
Mod. No. 63		0	\$0	0	212,523
Mod. No. 64		0	\$0	0	5,000
Mod. No. 65		0	\$0	0	161,000
Mod. No. 66		0	\$0	0	(1,500)
Mod. No. 67		0	\$0	0	25,012
Mod. No. 68		0	\$0	0	81,617
Mod. No. 70		0	\$0	0	42,500
Mod. No. 71		0	\$0	0	170,400
Mod. No. 72		0	\$0	0	137,450
Mod. No. 73	0	0	\$0	0	17,017
Mod. No. 74	0	0	\$0	0	(219,587)
		<u>31,610,127</u>	<u>\$2,185,508</u>	<u>33,795,635</u>	<u>\$ 18,438,004</u>

Cost \$17,502,997
 Fee \$935,007
 * \$18,438,004

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 75	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
-------------------------------------	------------------------------------	------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (If other than item 6) CODE
----------------------	---------------------------------------------------

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$53,105 (\$49,668 for cost and \$3,437 for fee). Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,552,665. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

 (b) An additional amount of \$938,444 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 10/1/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAA.1965	97 R21837	52221110100	\$5,105.0	DA13 Complete
DCL.1117	97 R21906	52224210400	\$25,000.0	DC08 Complete
DI.1172	97 R21838	52214210200	\$8,000	DI.01 Complete
DMH.1465	97 R21887	52232110200	\$8,000	DM39 Complete
DMH.1465	97 R22372	27400971300	\$2,000	DM39 Complete
DSK.1160	98 R21757	63210143900	\$5,000	DS02 Complete

For transfers see pag TOTAL \$53,105

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 75

Page 2 of 3

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
Mod. No.	68	0	\$0	0	81,617
Mod. No.	70	0	\$0	0	42,500
Mod. No.	71	0	\$0	0	170,400
Mod. No.	72	0	\$0	0	137,450
Mod. No.	73	0	\$0	0	17,017
Mod. No.	74	0	\$0	0	(219,587)
Mod. No.	75	0	\$0	0	53,105
		<u>31,610,127</u>	<u>\$2,185,508</u>	<u>33,795,635</u>	<u>\$ 18,491,109</u>

Cost \$17,552,665
 Fee \$938,444
 * \$18,491,109

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 76	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding on the contract by \$84,000 (\$78,565 for cost and \$5,435 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,631,230. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$943,879 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/2/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DCO.1139	97 R20708	505641258	DC02	Partial
DI.1174	97 R22638	96330015000	DI03	Complete
DI.1175	97 R22638	96330015000	DI06	Complete
DI.1179	97 R22638	96330015000	DI10	Complete

For transfers see pag TOTAL \$84,000

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 36		0	\$0	0	111,685
Mod. No. 37		0	\$0	0	60,122
Mod. No. 38		0	\$0	0	151,000
Mod. No. 39		0	\$0	0	74,822
Mod. No. 40		0	\$0	0	40,000
Mod. No. 41		0	\$0	0	85,000
Mod. No. 42		0	\$0	0	286,761
Mod. No. 43		0	\$0	0	189,511
Mod. No. 44		0	\$0	0	83,000
Mod. No. 45		0	\$0	0	164,560
Mod. No. 46		0	\$0	0	84,081
Mod. No. 47		0	\$0	0	75,000
Mod. No. 48		0	\$0	0	54,635
Mod. No. 49		0	\$0	0	243,065
Mod. No. 50		0	\$0	0	26,988
Mod. No. 51		0	\$0	0	96,162
Mod. No. 52		0	\$0	0	59,226
Mod. No. 53		0	\$0	0	0
Mod. No. 54		0	\$0	0	321,700
Mod. No. 55		0	\$0	0	90,000
Mod. No. 56		0	\$0	0	82,268
Mod. No. 57		0	\$0	0	158,025
Mod. No. 58		0	\$0	0	337,539
Mod. No. 59		0	\$0	0	72,177
Mod. No. 60		0	\$0	0	137,790
Mod. No. 61		0	\$0	0	68,241
Mod. No. 62		0	\$0	0	163,252
Mod. No. 63		0	\$0	0	212,523
Mod. No. 64		0	\$0	0	5,000
Mod. No. 65		0	\$0	0	161,000
Mod. No. 66		0	\$0	0	(1,500)
Mod. No. 67		0	\$0	0	25,012
Mod. No. 68		0	\$0	0	81,617
Mod. No. 70		0	\$0	0	42,500
Mod. No. 71		0	\$0	0	170,400
Mod. No. 72		0	\$0	0	137,450
Mod. No. 73	0	0	\$0	0	17,017
Mod. No. 74	0	0	\$0	0	(219,587)
Mod. No. 75	0	0	\$0	0	53,105
Mod. No. 76	0	0	\$0	0	84,000
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 18,575,109</u>

Cost \$17,631,230
 Fee \$943,879
 * \$18,575,109

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
-----------------------------------------------------------	--	---------------------	----------------------

2. AMENDMENT/MODIFICATION NO. 77	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding on the contract by \$26,000 (\$24,318 for cost and \$1,682 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,655,548. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$945,561 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 10-9-97
(Signature of person authorized to sign)	BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DIG.1274	97 R21770	53804130200	\$10,000.0	DI04 Complete
DCO.1127	97 R20708	505041258	\$16,000.0	DC15 Partial

For transfers see pag TOTAL \$26,000

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	\$0	0	1,700,026
Mod. No. 2	0	\$0	0	28,600
Mod. No. 3	0	\$0	0	112,000
Mod. No. 4	0	\$0	0	50,000
Mod. No. 5	0	\$0	0	(82,800)
Mod. No. 6	0	\$0	0	50,000
Mod. No. 7	0	\$0	0	(18,594)
Mod. No. 8	0	\$0	0	123,600
Mod. No. 9	0	\$0	0	66,345
Mod. No. 10	0	\$0	0	194,795
Mod. No. 11	0	\$0	0	82,000
Mod. No. 12	0	\$0	0	298,000
Mod. No. 13	0	\$0	0	832,608
Mod. No. 14	0	\$0	0	2,038,096
Mod. No. 15	0	\$0	0	1,147,292
Mod. No. 16	0	\$0	0	810,237
Mod. No. 17	0	\$0	0	1,346,484
Mod. No. 18	0	\$0	0	1,531,825
Mod. No. 19	0	\$0	0	334,753
Mod. No. 20	0	\$0	0	281,502
Mod. No. 21	0	\$0	0	86,747
Mod. No. 22	0	\$0	0	91,541
Mod. No. 23	0	\$0	0	49,802
Mod. No. 24	0	\$0	0	50,916
Mod. No. 25	0	\$0	0	5,948
Mod. No. 26	0	\$0	0	24,737
Mod. No. 27	13,845,044	\$957,148	14,802,192	0
Mod. No. 28	0	\$0	0	174,099
Mod. No. 29	0	\$0	0	0
Mod. No. 30	0	\$0	0	673
Mod. No. 31	0	\$0	0	0
Mod. No. 32	0	\$0	0	200,000
Mod. No. 33	0	\$0	0	224,219
Mod. No. 34	0	\$0	0	35,618
Mod. No. 35	0	\$0	0	126,106

NAS1-96014

Modification No. 77

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	36	0	\$0	0	111,685
Mod. No.	37	0	\$0	0	60,122
Mod. No.	38	0	\$0	0	151,000
Mod. No.	39	0	\$0	0	74,822
Mod. No.	40	0	\$0	0	40,000
Mod. No.	41	0	\$0	0	85,000
Mod. No.	42	0	\$0	0	286,761
Mod. No.	43	0	\$0	0	189,511
Mod. No.	44	0	\$0	0	83,000
Mod. No.	45	0	\$0	0	164,560
Mod. No.	46	0	\$0	0	84,081
Mod. No.	47	0	\$0	0	75,000
Mod. No.	48	0	\$0	0	54,635
Mod. No.	49	0	\$0	0	243,065
Mod. No.	50	0	\$0	0	26,988
Mod. No.	51	0	\$0	0	96,162
Mod. No.	52	0	\$0	0	59,226
Mod. No.	53	0	\$0	0	0
Mod. No.	54	0	\$0	0	321,700
Mod. No.	55	0	\$0	0	90,000
Mod. No.	56	0	\$0	0	82,268
Mod. No.	57	0	\$0	0	158,025
Mod. No.	58	0	\$0	0	337,539
Mod. No.	59	0	\$0	0	72,177
Mod. No.	60	0	\$0	0	137,790
Mod. No.	61	0	\$0	0	68,241
Mod. No.	62	0	\$0	0	163,252
Mod. No.	63	0	\$0	0	212,523
Mod. No.	64	0	\$0	0	5,000
Mod. No.	65	0	\$0	0	161,000
Mod. No.	66	0	\$0	0	(1,500)
Mod. No.	67	0	\$0	0	25,012
Mod. No.	68	0	\$0	0	81,617
Mod. No.	70	0	\$0	0	42,500
Mod. No.	71	0	\$0	0	170,400
Mod. No.	72	0	\$0	0	137,450
Mod. No.	73	0	\$0	0	17,017
Mod. No.	74	0	\$0	0	(219,587)
Mod. No.	75	0	\$0	0	53,105
Mod. No.	76	0	\$0	0	84,000
Mod. No.	77	0	\$0	0	26,000

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 18,601,109

Cost \$17,655,548
 Fee \$945,561
 * \$18,601,109

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES	
		1	1	3

2. AMENDMENT/MODIFICATION NO. 78	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$59,923 (\$56,046 for cost and \$3,877 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,711,594. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$949,438 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10-15-97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount		Task No.
DAE.1111	97 r21827	52251312000	\$5,000.0	dg01
DFB.3764	97 H2321S	53803120200	\$8,000.0	DF06
DIG.1274	97 R21770	53804130200	\$10,000	D104
DSI.1668	97 H15192	53706352000	\$46,923	DS01
DI.1174*	97 R22638	96330015000	-\$10,000	D103

*Mod. 76 should have
read \$20,000 instead o
\$30,000

TOTAL \$59,923

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443
Mod. No. 1	0	\$0	0
Mod. No. 2	0	\$0	0
Mod. No. 3	0	\$0	0
Mod. No. 4	0	\$0	0
Mod. No. 5	0	\$0	0
Mod. No. 6	0	\$0	0
Mod. No. 7	0	\$0	0
Mod. No. 8	0	\$0	0
Mod. No. 9	0	\$0	0
Mod. No. 10	0	\$0	0
Mod. No. 11	0	\$0	0
Mod. No. 12	0	\$0	0
Mod. No. 13	0	\$0	0
Mod. No. 14	0	\$0	0
Mod. No. 15	0	\$0	0
Mod. No. 16	0	\$0	0
Mod. No. 17	0	\$0	0
Mod. No. 18	0	\$0	0
Mod. No. 19	0	\$0	0
Mod. No. 20	0	\$0	0
Mod. No. 21	0	\$0	0
Mod. No. 22	0	\$0	0
Mod. No. 23	0	\$0	0
Mod. No. 24	0	\$0	0
Mod. No. 25	0	\$0	0
Mod. No. 26	0	\$0	0
Mod. No. 27	13,845,044	\$957,148	14,802,192
Mod. No. 28	0	\$0	0
Mod. No. 29	0	\$0	0
Mod. No. 30	0	\$0	0
Mod. No. 31	0	\$0	0
Mod. No. 32	0	\$0	0
Mod. No. 33	0	\$0	0
Mod. No. 34	0	\$0	0
Mod. No. 35	0	\$0	0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Mod. No. 36		0	\$0	0
Mod. No. 37		0	\$0	0
Mod. No. 38		0	\$0	0
Mod. No. 39		0	\$0	0
Mod. No. 40		0	\$0	0
Mod. No. 41		0	\$0	0
Mod. No. 42		0	\$0	0
Mod. No. 43		0	\$0	0
Mod. No. 44		0	\$0	0
Mod. No. 45		0	\$0	0
Mod. No. 46		0	\$0	0
Mod. No. 47		0	\$0	0
Mod. No. 48		0	\$0	0
Mod. No. 49		0	\$0	0
Mod. No. 50		0	\$0	0
Mod. No. 51		0	\$0	0
Mod. No. 52		0	\$0	0
Mod. No. 53		0	\$0	0
Mod. No. 54		0	\$0	0
Mod. No. 55		0	\$0	0
Mod. No. 56		0	\$0	0
Mod. No. 57		0	\$0	0
Mod. No. 58		0	\$0	0
Mod. No. 59		0	\$0	0
Mod. No. 60		0	\$0	0
Mod. No. 61		0	\$0	0
Mod. No. 62		0	\$0	0
Mod. No. 63		0	\$0	0
Mod. No. 64		0	\$0	0
Mod. No. 65		0	\$0	0
Mod. No. 66		0	\$0	0
Mod. No. 67		0	\$0	0
Mod. No. 68		0	\$0	0
Mod. No. 70		0	\$0	0
Mod. No. 71		0	\$0	0
Mod. No. 72		0	\$0	0
Mod. No. 73	0	0	\$0	0
Mod. No. 74	0	0	\$0	0
Mod. No. 75	0	0	\$0	0
Mod. No. 76	0	0	\$0	0
Mod. No. 77	0	0	\$0	0
Mod. No. 78	0	0	\$0	0

\$ 31,610,127 \$2,185,508 \$ 33,795,635

Cost \$17,711,594
 Fee \$949,438
 *Total \$18,661,032

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 79	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE
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National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
------	---------------	--

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

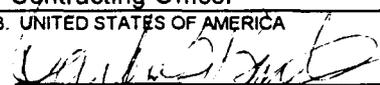
The purpose of this modification is to increase the incremental funding on the contract by \$111,200 (\$104,004 for cost and \$7,196 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,815,598. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$956,634 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 10-17-96

COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO		RTR Amount	Task No.
DFC.3542	98 R22187	53803130200	\$60,000.0	DF05
DIF.1180	98 R22293	25870210600	\$41,000.0	DI12
DMF.5094	98 R22968	53813110300	\$10,200	DM28

TOTAL \$111,200

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Award	\$ 17,765,083	\$1,228,360	\$ 18,993,443
Mod. No. 1	0	\$0	0
Mod. No. 2	0	\$0	0
Mod. No. 3	0	\$0	0
Mod. No. 4	0	\$0	0
Mod. No. 5	0	\$0	0
Mod. No. 6	0	\$0	0
Mod. No. 7	0	\$0	0
Mod. No. 8	0	\$0	0
Mod. No. 9	0	\$0	0
Mod. No. 10	0	\$0	0
Mod. No. 11	0	\$0	0
Mod. No. 12	0	\$0	0
Mod. No. 13	0	\$0	0
Mod. No. 14	0	\$0	0
Mod. No. 15	0	\$0	0
Mod. No. 16	0	\$0	0
Mod. No. 17	0	\$0	0
Mod. No. 18	0	\$0	0
Mod. No. 19	0	\$0	0
Mod. No. 20	0	\$0	0
Mod. No. 21	0	\$0	0
Mod. No. 22	0	\$0	0
Mod. No. 23	0	\$0	0
Mod. No. 24	0	\$0	0
Mod. No. 25	0	\$0	0
Mod. No. 26	0	\$0	0
Mod. No. 27	13,845,044	\$957,148	14,802,192
Mod. No. 28	0	\$0	0
Mod. No. 29	0	\$0	0
Mod. No. 30	0	\$0	0
Mod. No. 31	0	\$0	0
Mod. No. 32	0	\$0	0
Mod. No. 33	0	\$0	0
Mod. No. 34	0	\$0	0
Mod. No. 35	0	\$0	0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Mod. No.	36	0	\$0	0
Mod. No.	37	0	\$0	0
Mod. No.	38	0	\$0	0
Mod. No.	39	0	\$0	0
Mod. No.	40	0	\$0	0
Mod. No.	41	0	\$0	0
Mod. No.	42	0	\$0	0
Mod. No.	43	0	\$0	0
Mod. No.	44	0	\$0	0
Mod. No.	45	0	\$0	0
Mod. No.	46	0	\$0	0
Mod. No.	47	0	\$0	0
Mod. No.	48	0	\$0	0
Mod. No.	49	0	\$0	0
Mod. No.	50	0	\$0	0
Mod. No.	51	0	\$0	0
Mod. No.	52	0	\$0	0
Mod. No.	53	0	\$0	0
Mod. No.	54	0	\$0	0
Mod. No.	55	0	\$0	0
Mod. No.	56	0	\$0	0
Mod. No.	57	0	\$0	0
Mod. No.	58	0	\$0	0
Mod. No.	59	0	\$0	0
Mod. No.	60	0	\$0	0
Mod. No.	61	0	\$0	0
Mod. No.	62	0	\$0	0
Mod. No.	63	0	\$0	0
Mod. No.	64	0	\$0	0
Mod. No.	65	0	\$0	0
Mod. No.	66	0	\$0	0
Mod. No.	67	0	\$0	0
Mod. No.	68	0	\$0	0
Mod. No.	70	0	\$0	0
Mod. No.	71	0	\$0	0
Mod. No.	72	0	\$0	0
Mod. No.	73	0	\$0	0
Mod. No.	74	0	\$0	0
Mod. No.	75	0	\$0	0
Mod. No.	76	0	\$0	0
Mod. No.	77	0	\$0	0
Mod. No.	78	0	\$0	0
Mod. No.	79	0	\$0	0
		\$ 31,610,127	\$ 2,185,508	\$ 33,795,635

Cost \$17,815,598
 Fee \$956,634
 *Total \$18,772,232

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 80	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

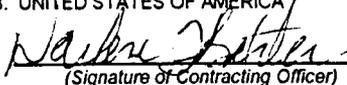
The purpose of this modification is to increase the incremental funding on the contract by \$45,000 (\$42,088 for cost and \$2,912 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$17,857,686. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$959,546 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 10/27/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	
DI.1177	98 R21838	52214210200	14,000	DI09
DII.1162	98 R23049	51950110100	20,000	DI07
DI.1178	98 R21838	52214210200	11,000	DI11

TOTAL 45,000

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443
Mod. No. 1	0	0	0
Mod. No. 2	0	0	0
Mod. No. 3	0	0	0
Mod. No. 4	0	0	0
Mod. No. 5	0	0	0
Mod. No. 6	0	0	0
Mod. No. 7	0	0	0
Mod. No. 8	0	0	0
Mod. No. 9	0	0	0
Mod. No. 10	0	0	0
Mod. No. 11	0	0	0
Mod. No. 12	0	0	0
Mod. No. 13	0	0	0
Mod. No. 14	0	0	0
Mod. No. 15	0	0	0
Mod. No. 16	0	0	0
Mod. No. 17	0	0	0
Mod. No. 18	0	0	0
Mod. No. 19	0	0	0
Mod. No. 20	0	0	0
Mod. No. 21	0	0	0
Mod. No. 22	0	0	0
Mod. No. 23	0	0	0
Mod. No. 24	0	0	0
Mod. No. 25	0	0	0
Mod. No. 26	0	0	0
Mod. No. 27	13,845,044	957,148	14,802,192
Mod. No. 28	0	0	0
Mod. No. 29	0	0	0
Mod. No. 30	0	0	0
Mod. No. 31	0	0	0
Mod. No. 32	0	0	0
Mod. No. 33	0	0	0
Mod. No. 34	0	0	0
Mod. No. 35	0	0	0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>
Mod. No.	36	0	0	0
Mod. No.	37	0	0	0
Mod. No.	38	0	0	0
Mod. No.	39	0	0	0
Mod. No.	40	0	0	0
Mod. No.	41	0	0	0
Mod. No.	42	0	0	0
Mod. No.	43	0	0	0
Mod. No.	44	0	0	0
Mod. No.	45	0	0	0
Mod. No.	46	0	0	0
Mod. No.	47	0	0	0
Mod. No.	48	0	0	0
Mod. No.	49	0	0	0
Mod. No.	50	0	0	0
Mod. No.	51	0	0	0
Mod. No.	52	0	0	0
Mod. No.	53	0	0	0
Mod. No.	54	0	0	0
Mod. No.	55	0	0	0
Mod. No.	56	0	0	0
Mod. No.	57	0	0	0
Mod. No.	58	0	0	0
Mod. No.	59	0	0	0
Mod. No.	60	0	0	0
Mod. No.	61	0	0	0
Mod. No.	62	0	0	0
Mod. No.	63	0	0	0
Mod. No.	64	0	0	0
Mod. No.	65	0	0	0
Mod. No.	66	0	0	0
Mod. No.	67	0	0	0
Mod. No.	68	0	0	0
Mod. No.	70	0	0	0
Mod. No.	71	0	0	0
Mod. No.	72	0	0	0
Mod. No.	73	0	0	0
Mod. No.	74	0	0	0
Mod. No.	75	0	0	0
Mod. No.	76	0	0	0
Mod. No.	77	0	0	0
Mod. No.	78	0	0	0
Mod. No.	79	0	0	0
Mod. No.	80	0	0	0
		\$ 31,610,127	2,185,508	\$ 33,795,635

Cost 17,857,686
 Fee 959,546
 *Total 18,817,232

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
-----------------------------------------------------------	--	---------------------	---------------------------

2. AMENDMENT/MODIFICATION NO. 81	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------------	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

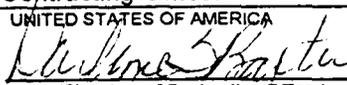
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$228,268 (\$213,791 for cost and \$14,477 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$18,071,477. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$974,023 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 10/27/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAA.1975	98 R22892	58110110100	55,268	DA11 Complete
DCP.1207	98 R22885	52214110300	17,000	DC05 Partial
DCL.1118	98 R23026	52214310400	28,000	DC09 Complete
DI.1176	98 R21838	52214210200	23,000	DI01 Complete
DI.1180	98 R21892	52214210100	10,000	DI03 Complete
DIG.1277	98 R21770	53804130200	35,000	DI04 Complete
DIF.1181	98 R21892	52214210100	15,000	DI10 Complete
DMB.4977	98 R21879	52232110100	45,000	DM13 Partial
		TOTAL	228,268	

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 19,045,500 *

Cost 18,071,477
 Fee 974,023
 *Total 19,045,500

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
		1	3

2. AMENDMENT/MODIFICATION NO. <p style="text-align: center;">82</p>	3. EFFECTIVE DATE <p style="text-align: center;">See Block 16C</p>	4. REQUISITION/PURCHASE REQ. NO. <p style="text-align: center;">See page 2</p>	5. PROJECT NO. (If applicable)
------------------------------------------------------------------------	-----------------------------------------------------------------------	-----------------------------------------------------------------------------------	--------------------------------

6. ISSUED BY <p style="text-align: center;">CODE</p>	7. ADMINISTERED BY (If other than Item 6) <p style="text-align: center;">CODE</p>
---------------------------------------------------------	--------------------------------------------------------------------------------------

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. <p style="text-align: center;">NAS1-96014</p>
		10B. DATED (SEE ITEM 13) <p style="text-align: center;">7/1/96</p>

CODE	FACILITY CODE
------	---------------

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning ____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

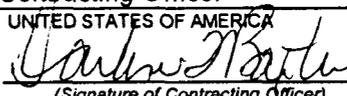
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$116,081 (\$108,570 for cost and \$7,511 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$18,180,047. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$981,534 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <p style="text-align: center;">Darlene T. Baxter Contracting Officer</p>		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED <p style="text-align: center;">10/28/97</p>

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCO.1127	98 R20896	538041117	24,000	DC15	Partial
DCO.1139	97 R20895	538041111	27,000	DC02	Partial
DME.2463	98 R22846	24233011700	10,000	DM33	Complete
DME.2463	98 R22848	24233011500	5,081	DM33	Complete
DMF.5081	98 R22229	32378010400	50,000	DM32	Partial

TOTAL 116,081

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
		<u>\$ 31,610,127</u>	<u>2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 19,161,581</u> *

Cost 18,180,047
 Fee 981,534
 *Total 19,161,581

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 83	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$54,756 (\$51,295 for cost and \$3,461 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$18,231,342. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$984,995 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 10/3/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCO.1150	98 R20896	53804111700	9,761	DC03	Complete
DMF.5128	97 H15190	53706332000	44,995	DM37	Complete

TOTAL 54,756

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
		<u>\$ 31,610,127</u>	<u>2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 19,216,337 *</u>

Cost 18,231,342
 Fee 984,995
 *Total 19,216,337

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 84	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$358,138 (\$227,201 for cost and \$130,937 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$18,458,543. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,115,932 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 11/4/97
(Signature of person authorized to sign)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAE.1123	98 R22904	24233010400	65,000	DA09 Complete
DAE.1131	97 R22769	50568307400	15,000	DG01 Complete
DCP.1210	98 H15276	53708222100	6,000	DC06 Complete
DIG.1274	97 R21770	53804130200	-10,000	DI04 Complete
DMC.4824	98 R19571	53802100100	66,302	DM35 Complete
DMC.4825	97 H15190	53706332000	60,836	DM34 Complete
DME.2465	98 R23215	52231510200	75,000	DM33 Complete
DMF.5141	98 R22823	24233011200	80,000	DM15 Complete
		TOTAL	358,138	

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 19,574,475 *

Cost 18,458,543
 Fee 1,115,932
 *Total 19,574,475

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 85	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$626,792 (\$583,130 for cost and \$43,662 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$19,041,673. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,159,594 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 11/17/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAA.1975	98 R22892	58110110100	-9	DA11	Complete
DAC.1028	98 R22948	53814120100	54,353	DA04	Complete
DAE.1120	98 R21827	52251312000	50,000	DG01	Complete
DAE.1125	98 M3685	99220033100	40,000	DA09	Complete
DAE.1126	98 M3685	99220033100	15,000	DA06	Complete
DAE.1127	98 M3685	99220033100	21,560	DA10	Complete
DAF.0284	98 R21828	52251311000	30,000	DG04	Complete
DCK.1125	98 H15198	53707242300	40,000	DC14	Complete
DCK.1125	98 H15269	53708232100	15,000	DC14	Complete
DCK.1125	98 H15241	53707242400	20,000	DC14	Complete
DCP.1207	98 R22885	522141103	34,000	DC05	Complete
DIF.1182	98 R21874	52224210300	45,000	DI13	Complete
DMF.5135	98 R19572	53802110100	10,000	DM29	Complete
DMF.5140	98 R19572	53802110100	33,000	DM40	Complete
DSL.1327	98 R22362	24233032000	9,000	DS05	Complete
DSL.1327	98 R22846	24233011700	39,888	DS05	Complete
DSL.1342	98 H15191	53706342000	170,000	DS05	Complete
		TOTAL	626,792		

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	0
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
	<u>\$ 31,610,127</u>	<u>2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 20,201,267 *</u>

Cost \$ 19,041,673
 Fee 1,159,594
 *Total 20,201,267

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. 86
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO. (x)
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO. X
NAS1-96014
10B. DATED (SEE ITEM 13) 7/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding on the contract by \$172,534 (\$160,758 for cost and \$11,776 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$19,202,431. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,171,370 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
BY *Darlene T. Baxter*
(Signature of Contracting Officer)
16C. DATE SIGNED
11/02/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAB.1070	98 R22900	24280010100	77,965	DG03	Complete
DMC.4761	97 R21816	53810110500	-9,412	DM30	Complete
DSD.1546	98 H15193	53706362000	103,981	DS03	Complete
		TOTAL	172,534		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 20,373,801 *

Cost \$ 19,202,431
 Fee 1,171,370
 *Total 20,373,801

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 87	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

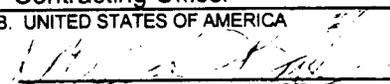
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$1,489,768 (\$1,390,088 for cost and \$99,680 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$20,592,519. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,271,050 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 11-28-1997
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAC.1027	98 H15232	53707202200	65,000	DA02	Complete
DAC.1027	98 H15279	53707202400	50,000	DA02	Complete
DCO.1127	98 R20896	538041117	125,000	DC15	Complete
DCO.1139	98 R20895	538041111	99,000	DC02	Complete
DCO.1155	98 R20896	53804111700	35,000	DC07	Complete
DCO.1155	98 R22885	52214110300	30,000	DC07	Complete
DCP.1207	98 R22938	548401101	99,000	DC05	Complete
DFB.3774	98 H2342S	53803140100	88,000	DF09	Complete
DFB.3777	98 H2342S	53803140100	19,000	DF01	Complete
DFB.3777	98 H2351S	53803150100	9,198	DF01	Complete
DFB.3778	98 H2321S	53803120200	3,824	DF06	Complete
DFC.3556	98 H15278	53705210100	54,000	DF05	Complete
DFC.3556	98 H2321A	53803120100	64,000	DF05	Complete
DFC.3556	98 R22039	58120210200	75,000	DF05	Complete
DFC.3556	98 R22040	58120310100	75,000	DF05	Complete
DFC.3556	98 R20957	53807151000	140,000	DF05	Complete
DFM.1236	98 R22942	53814140100	35,000	DF11	Complete
DFM.1236	98 R22974	52231610100	5,438	DF11	Complete
DI.1181	98 R23049	51950110100	5,217	DI07	Complete
DI.1182	98 R23049	51950110100	25,000	DI16	Complete
DI.1183	98 R21874	52224210300	55,000	DI13	Complete
DI.1184	98 R21892	52214210100	20,000	DI10	Complete
DI.1185	98 R21838	52214210200	20,000	DI01	Complete
DI.1186	98 R21838	52214210200	22,000	DI09	Complete
DI.1187	98 R21838	52214210200	16,000	DI11	Complete
DMF.5127	98 R22968	53813110300	85,000	DM28	Complete
DMF.5143	98 R22823	24233011200	30,000	DM41	Complete
DMF.5148	98 R19572	53802110100	40,000	DM29	Complete
DMH.1471	98 R21887	52232110200	35,300	DM39	Complete
DMH.1471	98 R22860	63210140200	21,293	DM39	Complete
DSL.1341	98 R22845	24233032000	40,000	DS05	Complete
DSL.1341	98 R22848	24233011500	3,498	DS05	Complete
		TOTAL	1,489,768		

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096

NA51-96014
 Modification No. 87
 Page 2 of 4

Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	85,000
Mod. No.	77	0	0	0	86,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756

Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768

\$	<u>31,610,127</u>	<u>2,185,508</u>	<u>\$ 33,795,635</u>	\$	<u>21,863,569</u>	*
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Cost	\$ 20,592,519
Fee	1,271,050
*Total	21,863,569

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 88	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

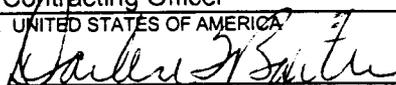
The purpose of this modification is to increase the incremental funding on the contract by \$261,615 (\$243,067 for cost and \$18,548 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$20,835,586. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,289,598 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 11/24/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAF.0308	98 R21828	52251311000	120,000	DG04	Complete
DFL.1428	98 R22936	52231610100	30,224	DF17	Complete
DI.1188	98 R21770	53804130200	30,617	DI03	Complete
DI.1189	98 H15275	53708222100	25,000	DI06	Complete
DMC.4817	97 R9931	50563875600	-66	DM21	Complete
DSK.1165	98 R19736	50910110300	30,000	DS02	Complete
DSK.1165	98 R23304	52231710100	10,000	DS02	Complete
DSK.1165	98 R23009	52231710100	15,840	DS02	Complete

TOTAL 261,615

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	66,122

Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 22,125,184 *

Cost \$ 20,835,586
 Fee 1,289,598
 *Total 22,125,184

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 89	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

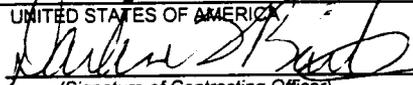
The purpose of this modification is to increase the incremental funding on the contract by \$432,103 (\$404,146 for cost and \$27,957 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$21,239,732. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,317.555 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 11/24/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DSI.1684	97 R23302	50563506400	24,680	DS09 Complete
DSI.1684	98 R19615	53802100200	60,000	DS09 Complete
DSI.1684	98 R23054	52218110200	60,000	DS09 Complete
DSI.1684	98 R22836	52211410100	20,000	DS09 Complete
DSI.1684	98 H15192	53706352000	267,423	DS09 Complete

TOTAL 432,103

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	0

Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 22,557,287 *

Cost \$ 21,239,732
 Fee 1,317,555
 *Total 22,557,287

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 90		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

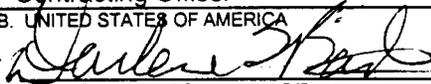
The purpose of this modification is to increase the incremental funding on the contract by \$654,540 (\$612,836 for cost and \$41,704 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$21,852,568. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,359,259 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/5/97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAA.1980	98 R22942	53814140100	132,164	DA08	C
DAB.1069	98 R22900	24280010100	63,283	DG02	Complete
DCL.1120	98 R21906	52224210400	37,000	DC08	Complete
DCP.1212	98 H15276	53708222100	114,000	DC06	Complete
DFM.1237	98 R22187	53803130200	40,000	DF16	Complete
DFM.1237	98 R22942	53814140100	17,788	DF16	Complete
DFM.1239	98 H15291	53707222100	67,134	DF08	Complete
DI.1194	98 R23049	51950110100	97,201	DI16	Complete
DIG.1281	97 R21770	53804130200	27,800	DI04	Complete
DME.2466	98 R22846	24233011700	15,400	DM33	Complete
DME.2472	98 R22846	24233011700	15,400	DM33	Complete
DMF.5159	98 R22968	53813110300	27,370	DM36	Complete

TOTAL 654,540

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	0
Mod. No. 33	0	0	0	0
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122

NAS1-98014
 200,000
 Modification No. 90
 224,219
 Page 2 of 3

Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540

\$ 31,610,127 2,185,508 \$ 33,795,635 \$ 23,211,827 *

Cost \$ 21,852,568
 Fee 1,359,259
 *Total 23,211,827

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 91	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

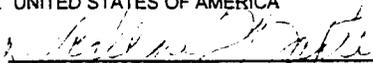
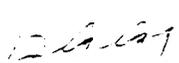
The purpose of this modification is to increase the incremental funding on the contract by \$385,962 (\$264,466 for cost and \$121,496 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$22,117,034. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,480,755 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DI.1190	98 R21838	52214210200	\$56,231	DI.01	Complete
DI.1191	98 R21838	52214210200	\$31,427	DI.09	Complete
DI.1192	98 R21892	52214210100	\$118,826	DI.10	Complete
DI.1193	98 R21838	52214210200	\$25,590	DI.11	Complete
DME.2471	98 R21858	52251711000	\$5,000	DM33	Complete
DME.2473*	98 R23215	52231510200	\$75,000	DM33	Complete
DSL.1349**	98 H15191	53706342000	\$73,888	DS05	Complete

*\$30,481 to award fee

**\$73,888 to award fee

TOTAL \$385,962

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 23,597,789 *

Cost \$ 22,117,034
 Fee 1,480,755
 *Total \$23,597,789

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 92	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$223,773 (\$209,138 for cost and \$14,635 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$22,326,172. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,495,390 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i>	16C. DATE SIGNED 12-12-97
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAE.1142	97 R22769	50568307400	\$23,000	DG01	Complete
DAE.1142	98 R21827	52251312000	\$55,000	DG01	Complete
DAE.1142	98 R23020	24233031800	\$18,773	DG01	Complete
DMF.5162	98 R19572	53802110100	\$127,000	DM40	Complete

TOTAL \$223,773

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	264,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 23,821,562 *

Cost \$ 22,326,172
Fee 1,495,390
*Total \$23,821,562

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 93	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 3	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

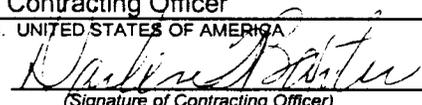
The purposes of this modification are to increase the incremental funding on the contract by \$690,943 (\$639,207 for cost and \$51,736 for fee), and to add Alternate I to clause 18.52.242-72—OBSERVANCE OF LEGAL HOLIDAYS. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$22,965,379. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,547,126 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	12-16-97

FILE COPY

- B. Under paragraph I.2—LISTING OF CLAUSES INCORPORATED BY REFERENCE, add Alternate I to clause 18-52.242-72—OBSERVANCE OF LEGAL HOLIDAYS (AUG 1992) Alternate II (SEP 1989). A copy of the clause is attached.

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAE.1125	98 M3685	99220033100 \$265,924	DA09	Complete
DAE.1126	98 M3685	99220033100 \$76,273	DA06	Complete
DMB.4977	98 H15189	537063220 \$104,226	DM13	Complete
DMF.5164	97 R23082	25050505000 \$60,000	DM32	Complete
DMF.5168	98 R22823	24233011200 \$184,520	DM15	Partial

TOTAL \$690,943

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943

\$	31,610,127	\$2,185,508	\$ 33,795,635	\$	24,512,505 *
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Cost	\$ 22,965,379
Fee	1,547,126
*Total	\$24,512,505

**TRAVEL OUTSIDE OF THE UNITED STATES
(DECEMBER 1988)**

(a) The Contracting Officer must authorize in advance and in writing travel to locations outside of the United States by Contractor employees that is to be charged as a cost to this contract. This approval may be granted when the travel is necessary to the efforts required under the contract and it is otherwise in the best interest of NASA.

(b) The Contractor shall submit requests to the Contracting Officer at least 30 days in advance of the start of the travel.

(c) The Contractor shall submit a travel report at the conclusion of the travel. The Contracting Officer's approval of the travel will specify the required contents and distribution of the travel report.

-- (End of clause)

1852.242-72 Observance of Legal Holidays

As prescribed in 1842.7001(a), insert the following clause:

**OBSERVANCE OF LEGAL HOLIDAYS
(AUGUST 1992)**

(a) The on-site Government personnel observe the following holidays:

- New Year's Day
- Labor Day
- Martin Luther King, Jr.'s Birthday
- Columbus Day
- President's Day
- Veterans Day
- Memorial Day
- Thanksgiving Day
- Independence Day
- Christmas Day

Any other day designated by Federal statute, Executive order, or the President's proclamation.

(b) When any holiday falls on a Saturday, the preceding Friday is observed. When any holiday falls on a Sunday, the following Monday is observed. Observance of such days by Government personnel shall not by itself be cause for an additional period of performance or entitlement of compensation except as set forth within the contract.

(End of clause)

**ALTERNATE I
(SEPTEMBER 1989)**

As prescribed in 1842.7001(b), add the following paragraphs (c) and (d) as Alternate I to the clause.

(c) On-site personnel assigned to this contract shall not be granted access to the installation during the holidays in paragraph (a) of the clause, except as follows: the Contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative. If the

Contractor's on-site personnel work during a holiday other than those in paragraph (a) above, no form of holiday or other premium compensation shall be reimbursed as either a direct or indirect cost. However, this does not preclude reimbursement for authorized overtime work that would have been overtime regardless of the status of the day as a holiday.

(d) The Contractor shall place identical requirements, including this paragraph, in all subcontracts that require performance of work on-site, unless otherwise instructed by the Contracting Officer.

**ALTERNATE II
(SEPTEMBER 1989)**

As prescribed in 1842.7001(c), add the following paragraphs (e) and (f):

(e) When the NASA installation grants administrative leave to its Government employees (e.g., as a result of inclement weather, potentially hazardous conditions, or other special circumstances), Contractor personnel working on-site should also be dismissed. However, the contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative.

(f) Whenever administrative leave is granted to Contractor personnel pursuant to paragraph (e) of above, it shall be without loss to the Contractor. The cost of salaries and wages to the Contractor for the period of any such excused absence shall be a reimbursable item of cost under this contract for employees in accordance with the Contractor's established accounting policy.

1852.242-73 NASA Contractor Financial Management Reporting.

As prescribed in 1842.7202, insert the following clause:

**NASA CONTRACTOR FINANCIAL MANAGEMENT REPORTING
(JULY 1997)**

(a) The Contractor shall submit NASA Contractor Financial Management Reports on NASA Forms 533 in accordance with the instructions in NASA Policy Guidance (NPG) 9501.2, NASA Contractor Financial Management Reporting, and on the reverse side of the forms, as supplemented in the Schedule of this contract. The detailed reporting categories to be used, which shall correlate with technical and schedule reporting, shall be set forth in the Schedule. Contractor implementation of reporting requirements under this clause shall include NASA approval of the definitions of the content of each reporting category and give due regard to the Contractor's established financial management information system.

(b) Lower level detail used by the Contractor for its own management purposes to validate information provided to NASA shall be compatible with NASA requirements.

(c) Reports shall be submitted in the number of copies, at the time, and in the manner set forth in the Schedule or as designated in writing by the Contracting Officer. Upon completion and acceptance by NASA of all contract line items, the Contracting Officer may direct the Contractor to submit Form 533 reports on a quarterly basis only, report only when changes in actual cost occur, or suspend reporting altogether.

(d) The Contractor shall ensure that its Form 533 reports include accurate subcontractor cost data, in the proper reporting categories, for the reporting period.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 94	3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

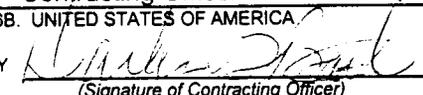
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the incremental funding on the contract by \$393,792 (\$365,837 for cost and \$27,955 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$23,331,216. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,575,081 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 12-16-97

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DI.1195	98 R22293	25870210600	\$90,000	DI13	Complete
DI.1195	98 R23136	52224111000	\$90,000	DI13	Complete
DCK.1132	98 H15198	53707242300	\$100,000	DC14	Complete
DCK.1132	98 H15264	53708242100	\$20,000	DC14	Complete
DCK.1132	98 H15268	53708232100	\$40,000	DC14	Complete
DCK.1132	98 H15289	53707242500	\$10,013	DC14	Complete
DSK.1179	98 R19736	50910110300	\$21,825	DS07	Complete
DSK.1180	98 R23021	63210140500	\$21,954	DS08	Complete

TOTAL \$393,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 24,906,297 *</u>

-- Cost \$ 23,331,216
 Fee 1,575,081
 *Total \$24,906,297

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 95	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

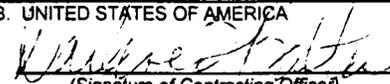
The purposes of this modification are to increase the incremental funding on the contract by \$414,946 (\$389,716 for cost and \$25,230 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$23,720,932. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,600,311 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/19/97
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCO.1158	98 R22885	52214110300	\$10,000	DC03	Complete
DCO.1158	98 R19790	53804111600	\$15,527	DC03	Complete
DFC.3577	98 H2313A	53803110100	\$24,200	DF04	Complete
DFC.3577	98 R20956	53807141000	\$50,000	DF04	Complete
DFC.3577	98 R22039	58120210200	\$48,219	DF04	Complete
DIG.1285	98 R21770	53804130200	\$200,000	DI04	Complete
DIF.1191	98 R22293	25870210600	\$32,000	DI12	Complete
DI.1197	98 R21537	96221230100	\$35,000	DI14	Complete

TOTAL \$414,946

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 25,321,243 *</u>

Cost \$ 23,720,932
 Fee 1,600,311
 *Total \$25,321,243

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES	
					1 4	
2. AMENDMENT/MODIFICATION NO. 96		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)
6. ISSUED BY CODE			7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001						
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			(x)	9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014		
				10B. DATED (SEE ITEM 13) 7/1/96		
CODE	FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to increase the incremental funding on the contract by \$211,276 (\$193,937 for cost and \$17,339 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$23,914,869. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,617,650 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	1/7/98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCM.1253	98 R22996	52235110200	\$25,000	DC11	Complete
DCM.1253	98 R22999	52222410100	\$25,497	DC11	Complete
DGP.1127	97 H15153	53708222100	-\$18,408	DC12	Complete
DFC.3589	98 H2331A	53803130100	\$135,000	DF13	Complete
DFM.1093	96 R19559	50559530100	-\$2,009	DF02	Complete
DI.1198	98 R21867	52233110400	\$6,031	DI08	Complete
DI.1198	98 R22264	25870210600	\$18,000	DI08	Complete
DI.1198	98 R22272	25870210800	\$12,000	DI08	Complete
DMC.4851	98 R23047	52213110200	\$10,165	DM21	Complete
		TOTAL	\$211,276		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 25,532,519 *</u>

Cost \$ 23,914,869
Fee 1,617,650
*Total \$25,532,519

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 97	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

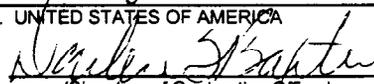
The purpose of this modification is to increase the incremental funding on the contract by \$361,112 (\$338,018 for cost and \$23,094 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$24,252,887. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,640,744 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 1/14/98
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DFB.3793	98 H2321S	53803120200	\$7,317	DF06	Partial
DFL.1437	98 R22942	53814140100	\$3,795	DF15	Complete
DI.1200	98 R21679	96221005000	\$35,000	DI03	Complete
DME.2475	98 H15188	53706312000	\$75,000	DM33	Complete
DME.2475	98 R23298	24233011700	\$75,000	DM33	Complete
DME.2479	98 H15303	53706322000	\$125,000	DM33	Complete
DME.2479	98 R23006	52211480200	\$40,000	DM33	Complete

TOTAL \$361,112

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
	<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 25,893,631 *</u>

Cost \$ 24,252,887
Fee 1,640,744
*Total \$25,893,631

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 98		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				7. ADMINISTERED BY (If other than Item 6)			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding on the contract by \$205,292 (\$191,757 for cost and \$13,535 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$24,444,644. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,654,279 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/1-98

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DFB.3793	98 H2321S	53803120200	\$11,680	DF06	Complete
DFC.3595	98 H15180	53709212100	\$107,056	DF13	Complete
DI.1196	9 H15275	53708222100	\$20,000	DI03	Complete
DI.1196	98 R21770	53804130200	\$16,556	DI03	Complete
DI.1201	98 H15275	53708222100	\$50,000	DI06	Complete

TOTAL \$205,292

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

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CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 26,098,923 *</u>

Cost \$ 24,444,644
Fee 1,654,279
*Total \$26,098,923

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 99	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

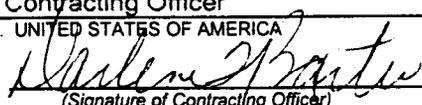
The purpose of this modification is to increase the incremental funding on the contract by \$266,333 (\$249,391 for cost and \$16,942 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$24,694,035. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,671,221 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 1-21-98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAC.1027	98 R22951	52223510100	\$25,000	DA02	Complete
DAC.1027	98 R23175	52222310100	\$60,604	DA02	Complete
DCK.1133	98 R22991	52235110300	\$72,000	DC19	Complete
DCK.1133	98 R22994	52221610100	\$19,901	DC19	Complete
DMF.5081	98 R22229	32378010400	\$88,828	DM32	Partial

TOTAL \$266,333

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333

\$ 31,610,127 \$2,185,508 \$ 33,795,635 \$ 26,365,256 *

Cost \$ 24,694,035
 Fee 1,671,221
 *Total \$26,365,256

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 100	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding on the contract by \$119,291 (\$110,093 for cost and \$9,198 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$24,804,128. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,680,419 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 2-5-98
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAA.1990	98 R22943	52222310100 \$73,934	DA15	Complete
DAE.1125	98 M3685	99220033100 -\$186,090	DA09	Complete
DAE.1159	98 M3692	99220033100 \$46,882	DA14	Complete
DAF.0324	98 R21828	52251311000 \$90,000	DG04	Complete
DI.1191	98 R21838	52214210200 -\$502	DI09	Complete
DIF.1194	98 R22293	25870210600 \$25,067	DI12	Complete
DME.2482	98 R22954	52212510100 \$50,000	DM33	Complete
DMF.5194	98 R19572	53802110100 \$20,000	DM40	Complete

TOTAL \$119,291

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

1.3
CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 26,484,547 *</u>

Cost \$ 24,804,128
Fee 1,680,419
*Total \$26,484,547

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 101	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) I.17—AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76)(SEP 1993)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to authorize the payment of \$402,250 in earned award fee under the subject contract for the third award fee period, and to adjust the contract schedule to reflect the available award fee pool for the period and the earned award fee amount. Accordingly, the following changes are hereby being made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 5/2/98
(Signature of person authorized to sign)			

FILE COPY

A. Under B.3—AWARD FEE AVAILABILITY SCHEDULE, LaRC 52.216-96)(MAR 1989), is hereby being revised as follows:

“The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>	<u>Earned Award Fee</u>	<u>Unearned Award Fee</u>
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	\$519,041	\$437,300	\$81,741
7/1/97 - 12/31/97	\$450,675	\$402,250	\$48,425
1/1/98 - 6/30/98	TBD*	TBD*	TBD*

*"To Be Determined"

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$402,250 shall be paid to the Contractor upon execution of this modification by the Contracting Officer for the second award fee period.

ACCOUNTING AND APPROPRIATION DATA

PR NO. PY JO RTR Amount Task No. Status

<u>CONTRACT TABULATION</u>		TOTAL		\$0	
<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award		\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 26,484,547 *</u>

Cost \$ 24,804,128
 Fee 1,680,419
 *Total \$26,484,547

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. 102	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.	
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding on the contract by \$251,928 (\$236,321 for cost and \$15,607 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$25,040,449. The above allotment covers the following period of performance July 1, 1996 through June 30, 1998.

(b) An additional amount of \$1,696,026 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	7-23-98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DAE.1172	98 M3685	99220033100	\$191,908	DA06	Partial
DMC.4855	98 R20236	29740000100	\$4,500	DM31	Partial
DMC.4855	98 R22989	52212610100	\$5,520	DM35	Partial
DMF.5199	98 R22968	53813110300	\$50,000	DM28	Complete

TOTAL \$251,928

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

3

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

3

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
Mod. No.	102	0	0	0	251,928
		<u>\$ 31,610,127</u>	<u>\$2,185,508</u>	<u>\$ 33,795,635</u>	<u>\$ 26,736,475 *</u>

Cost \$ 25,040,449
Fee 1,696,026
*Total \$26,736,475

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 5

2. AMENDMENT/MODIFICATION NO. 103
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 3
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
7. ADMINISTERED BY (If other than Item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) (x) 9A. AMENDMENT OF SOLICITATION NO.

Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-96014

10B. DATED (SEE ITEM 13)
7/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to exercise the Second Option Period and increase the incremental funding on the contract by \$210,774 (\$196,800 for cost and \$13,974 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under B.2—ESTIMATED COST AND AWARD FEE, revise to read as follows:

The estimated cost of this contract is \$41,438,672. The maximum available award fee is \$2,864,882. Total estimated cost and maximum award fee are \$44,303,554.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Panice H. Clark
Contracting Officer

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
BY Panice H. Clark 3/3/98
(Signature of person authorized to sign) (Signature of Contracting Officer)

FILE COPY

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B. Under Section B, B.4—CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$25,237,249. The above allotment covers the following period of performance July 1, 1996 through June 30, 1999.

“(b) An additional amount of \$1,710,000 is obligated under the contract for payment of fee”.

C. Under F.1—PERIOD OF PERFORMANCE, revise the period of performance to read 36 months from the effective date of this contract (7/1/96 through 6/30/99).

D. Under H.4—OPTIONS, exercise the Second Option Period. Of the total Option periods available, exercise of this Option will leave a remainder of one Option.

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCL.1125	98 R21906	52224210400	\$48,050	DC08	Complete
DMC.4855	98 R20236	29740000100	\$1,659	DM31	Complete
DME.2487	98 R23215	52231510200	\$181,000	DM33	Complete
DMF.5199	98 R22968	53813110300	-\$28,922	DM28	Complete
DSI.1706	98 R21889	52910110100	\$8,987	DS10	Complete

TOTAL \$210,774

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
	<u>\$ 41,438,672</u>	<u>\$2,864,882</u>	<u>\$ 44,303,554</u>	<u>\$ 26,947,249 *</u>

Cost \$ 25,237,249
 Fee 1,710,000
 *Total \$26,947,249

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
2. AMENDMENT/MODIFICATION NO. 104
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 3
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the incremental funding on the contract by \$121,964 (\$114,178 for cost and \$7,786 for fee) and to permit direct submission of vouchers. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$26,351,427. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.”

(b) An additional amount of \$1,717,786 is obligated under this contract for payment of fee”.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
BY *Darlene T. Baxter*
(Signature of Contracting Officer)
16C. DATE SIGNED
3/11/98

FILE COPY

B. Under paragraph G.2 SUBMISSION OF VOUCHERS FOR PAYMENT, is hereby deleted and replaced with the following:

G.2 1852.216-87 SUBMISSION OF VOUCHERS FOR PAYMENT(OCT 1997)

(a) Public vouchers for payment of costs shall include a reference to this contract NAS1-96014 and be forwarded to:

NASA Langley Research Center
Attn: Financial Management Division, MS 175
Hampton, VA 23681-0001

This is the designated billing office for cost vouchers for purposes of the Prompt Payment clause of this contract.

(b) The Contractor shall prepare vouchers as follows:

(1) One original Standard Form (SF) 1034, SF 1035, or equivalent Contractor's attachment.

(2) Five copies of SF 1034A, SF 1035A, or equivalent Contractor's attachment.

(3) The Contractor shall mark SF 1034A copies 1, 2, 3, 4, and such other copies as may be directed by the Contracting Officer by insertion in the memorandum block the names and addresses as follows:

(i) Copy 1 NASA Contracting Officer;

(ii) Copy 2 Auditor (for firms authorized for direct submission of vouchers, the first and last voucher only shall be provided),

(iii) Copy 3 Contractor;

(iv) Copy 4 Contract administration office (if any); and

(v) Copy 5 Project management office.

(4) For any period that the Defense Contract Audit Agency has authorized the Contractor to submit interim vouchers directly to the Government paying office, interim vouchers are not required to be sent to the Auditor, and are considered to be provisionally approved for payment, subject to final audit.

(c) Public vouchers for payment of fee shall be prepared similarly and be forwarded to:

NASA Langley Research Center
Attn: Financial Management Division, MS 175
Hampton, VA 23681-0001

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(d) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DIF.1197	98 R21874	52224210300	\$36,000	DI13	Complete
DIF.1197	98 R22293	25870210600	\$24,000	DI13	Complete
DSI.1732	98 H15192	53706352000	\$40,000	DS11	Complete
DSI.1732	98 R223263	53706352000	\$20,322	DS11	Complete
DSI.1746	98 R22836	52211410100	\$1,642	DS01	Complete

TOTAL \$121,964

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ -- 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

1.3

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
	<u>\$ 41,438,672</u>	<u>\$2,864,882</u>	<u>\$ 44,303,554</u>	<u>\$ 27,069,213 *</u>

Cost \$ 25,351,427
 Fee 1,717,786
 *Total \$27,069,213

3

	Cost	Award Fee	Total	
\$	56,118	3,882	\$ 60,000	DSI13
\$	56,418	3,904	\$ 60,322	DS11
\$	1,642	0	\$ 1,642	DS01

THIS MOD	\$	114,178	7,786	\$	121,964
PREVIOUS	\$	25,237,249	1,710,000	\$	26,947,249
TOTALS	\$	25,351,427	1,717,786	\$	27,069,213

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 105	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the funding of the contract by \$33,512 of which \$31,636 is allotted to cost and \$1,876 is allotted to fee, and to add Exhibit H. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$25,383,063. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999. (Cost of Modification No. 104 should have read \$25,351,427).

(b) An additional amount of \$1,719,662 is obligated under this contract for payment of fee".

B. In accordance with 18-52.219-77—NASA MENTOR-PROTÉGÉ PROGRAM, add the attached to Exhibit H of Section J—LIST OF ATTACHMENTS.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 3/19/98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DIH.1435	98 R22638	96330015000	\$29,000	DI03	Complete
DSI.1745	98 H15192	53706352000	\$4,512	DS06	Complete

TOTAL \$33,512

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
	\$ 41,438,672	\$2,864,882	\$ 44,303,554	\$ 27,102,725 *

Cost \$ 25,383,063
 Fee 1,719,662
 *Total \$27,102,725

	Cost	Award Fee	Total	
\$	27,124	1,876	\$ 29,000	DSI03
\$	4,512	0	\$ 4,512	DS06

THIS MOD	\$	31,636	1,876	\$	33,512
PREVIOUS	\$	25,351,427	1,717,786	\$	27,069,213
TOTALS	\$	25,383,063	1,719,662	\$	27,102,725

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 106	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001					

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$842,780 of which \$786,256 is allotted to cost and \$56,524 is allotted to fee, and to add Exhibit H. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$26,169,319. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,776,186 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/25/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
BA.1086	98 R23454	50590590400	\$400,000	DA14 Complete
BA.1088	98 R22879	52241110400	\$90,324	DA16 Complete
DFL.1458	98 R22936	52231610100	\$15,000	DF17 Complete
DFM.1263	98 R22974	52231610100	\$14,000	DF11 Complete
DFM.1263	98 R23188	52231610200	\$4,562	DF11 Complete
DMC.4863	98 R20236	29740000100	\$9,985	DM21 Complete
DSI.1748	98 H15192	53706352000	\$100,000	DS09 Complete
DSI.1748	98 R19615	53802100200	\$36,409	DS09 Complete
DSI.1748	98 R22836	52211410100	\$40,000	DS09 Complete
DSI.1748	98 R23234	27400981700	\$45,000	DS09 Complete
DSI.1748	98 R23054	52218110200	\$70,000	DS09 Complete
	R22625	89610000100	\$17,500	DS09 Complete
		TOTAL	\$842,780	

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	.87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
		<u>\$ 41,438,672</u>	<u>\$2,864,882</u>	<u>\$ 44,303,554</u>	<u>\$ 27,945,505 *</u>

Cost \$ 26,169,319
 Fee 1,776,186
 *Total \$27,945,505

	Cost	Award Fee	Total	
\$	374,110	25,890	\$ 400,000	DA
\$	84,480	5,844	\$ 90,324	DA16
\$	14,029	971	\$ 15,000	DF17
\$	17,361	1,201	\$ 18,562	DF11
\$	9,341	644	\$ 9,985	DM21
\$	286,935	21,974	\$ 308,909	DS09

THIS MOD	\$	786,256	56,524	\$	842,780
PREVIOUS	\$	25,383,063	1,719,662	\$	27,102,725
TOTALS	\$	26,169,319	1,776,186	\$	27,945,505

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 5

2. AMENDMENT/MODIFICATION NO. 107
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
(x)
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
X
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-96014
10B. DATED (SEE ITEM 13)
7/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION: (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

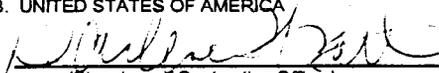
The purpose of this modification is to increase the funding of the contract by \$442,761 of which \$413,352 is allotted to cost and \$29,409 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$26,582,671. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,805,595 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)
15C. DATE SIGNED
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
16B. UNITED STATES OF AMERICA
BY 
(Signature of Contracting Officer)
16C. DATE SIGNED
4-7-98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
BA.1087	98 R23454	50590590400	\$300,000	DA17	Complete
DAA.1975	98 R22892	58110110100	-\$48	DA11	Complete
DAC.1047	98 H15280	53707202300	\$10,000	DA02	Complete
DAC.1047	98 H15293	53707222400	\$17,000	DA02	Complete
DAC.1047	98 R22948	53814120100	\$40,000	DA02	Complete
DFB.3809	98 H2342S	53803140100	\$36,820	DF09	Complete
DFL.1465	98 R22936	52231610100	\$1,910	DF17	Complete
DFL.1465	98 R22942	53814140100	\$10,000	DF17	Complete
DMH.1514	98 R21887	52232110200	\$1,730	DM39	Complete
DSI.1766	98 R21889	52910110100	\$25,349	DS10	Complete
					Complete
		TOTAL	\$442,761		

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
	<u>\$ 41,438,672</u>	<u>\$2,864,882</u>	<u>\$ 44,303,554</u>	<u>\$ 28,388,266 *</u>

Cost \$ 26,582,671
 Fee 1,805,595
 *Total \$28,388,266

	Cost	Award Fee	Total	
\$	280,590	19,410	\$ 300,000	DA17
\$	(48)	0	\$ (48)	DA11
\$	62,665	4,335	\$ 67,000	DA02
\$	34,122	2,698	\$ 36,820	DF09
\$	10,699	1,211	\$ 11,910	DF17
\$	1,615	115	\$ 1,730	DM39
\$	23,709	1,640	\$ 25,349	DS10

THIS MOD	\$	413,352	29,409	\$	442,761
PREVIOUS	\$	26,169,319	1,776,186	\$	27,945,505
TOTALS	\$	26,582,671	1,805,595	\$	28,388,266

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 108	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

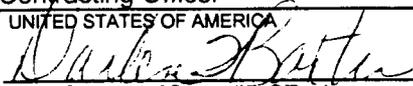
The purpose of this modification is to increase the funding of the contract by \$362,407 of which \$338,959 is allotted to cost and \$23,448 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$26,921,630. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,829,043 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status	
DCK.1140	98 R22991	52235110300	\$70,407	DC19	Complete
DCO.1155	98 R20896	538041117	\$40,000	DC07	Complete
DCO.1155	98 R22885	522141103	\$20,000	DC07	Complete
DCO.1173	98 R20895	53804111100	\$44,000	DC02	Complete
DI.1203	98 R22638	96330015000	\$90,000	DI17	Complete
DMC.4873	98 R23047	52213110200	\$30,000	DM42	Complete
DMF.5215	98 R22968	53813110300	\$35,000	DM43	Complete
DMH.1518	98 R21887	52232110200	\$33,000	DM44	Complete

TOTAL \$362,407

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
\$	41,438,672	\$2,864,882	\$ 44,303,554	\$ 28,750,673 *

Cost \$ 26,921,630
 Fee 1,829,043
 *Total \$28,750,673

	Cost	Award Fee	Total	
\$	65,852	4,555	\$ 70,407	DC19
\$	56,118	3,882	\$ 60,000	DC07
\$	41,153	2,847	\$ 44,000	DC02
\$	84,177	5,823	\$ 90,000	D117
\$	28,059	1,941	\$ 30,000	DM42
\$	32,735	2,265	\$ 35,000	DM43
\$	30,865	2,135	\$ 33,000	DM44

THIS MOD	\$	338,959	23,448	\$	362,407
PREVIOUS	\$	26,582,671	1,805,595	\$	28,388,266
TOTALS	\$	26,921,630	1,829,043	\$	28,750,673

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 5

2. AMENDMENT/MODIFICATION NO. 109
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO. X NAS1-96014
10B. DATED (SEE ITEM 13) 7/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

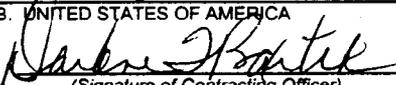
(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the funding of the contract by \$167,861 of which \$158,491 is allotted to cost and \$9,370 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$27,080,121. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.
An additional amount of \$1,838,413 is obligated under this contract for payment of fee”.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
BY  (Signature of Contracting Officer)
16C. DATE SIGNED
5-7-96

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DI.1205	98 R22264	25870210600	DI08	Complete
DMF.5222	98 T23324	25130072700	DM47	Complete
DMC.4866	98 R23047	52213110200	DM34 <i>4/10/01</i>	Complete
DSL.1371	98 H15191	53076342000	DS05	Complete
DCO.1174	98 R20896	53804111700	DC20	Complete

TOTAL \$167,861

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861

\$	41,438,672	\$2,864,882	\$ 44,303,554	\$	28,918,534 *
	Cost	\$ 27,080,121			
	Fee	1,838,413			
	*Total	\$28,918,534			

	Cost	Award Fee	Total	
\$	21,604	1,055	\$ 22,659	DI08
\$	36,477	2,523	\$ 39,000	DM47
\$	65,471	4,529	\$ 70,000	DM46
\$	16,233	-31	\$ 16,202	DS05
\$	18,706	1,294	\$ 20,000	DC20

THIS MOD	\$	158,491	9,370	\$	167,861
PREVIOUS	\$	26,921,630	1,829,043	\$	28,750,673
TOTALS	\$	27,080,121	1,838,413	\$	28,918,534

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 110	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the funding of the contract by \$267,166 of which \$250,250 is allotted to cost and \$16,916 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is 27,330,371. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,855,329 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 5-13-98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
BA.1095	98 R23452	50590590600 92,780	da17	Complete
DFC.3616	98 H2313A	53803110100 \$52,192	DF18	Complete
DI.1206	98 M1878	99235150400 \$16,000	DI18	Complete
DMF.5220	98 R22968	53813110300 \$6,213	DM43	Complete
DMF.5221	98 R22968	53813110300 \$45,000	DM45	Complete
DMH.1352	97 R22515	95617000100 -\$19	DM08	Complete
DSK.1212	98 R23009	52231710100 \$5,000	DS13	Complete
DSK.1212	98 R23021	63210140500 \$15,000	DS13	Complete
DSK.1216	98 H15252	53709202500 \$35,000	DS12	Complete

TOTAL \$267,166

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0
Mod. No. 28	0	0	0	174,099
Mod. No. 29	0	0	0	0
Mod. No. 30	0	0	0	673

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 31	0	0	0	0
Mod. No. 32	0	0	0	200,000
Mod. No. 33	0	0	0	224,219
Mod. No. 34	0	0	0	35,618
Mod. No. 35	0	0	0	126,106
Mod. No. 36	0	0	0	111,685
Mod. No. 37	0	0	0	60,122
Mod. No. 38	0	0	0	151,000
Mod. No. 39	0	0	0	74,822
Mod. No. 40	0	0	0	40,000
Mod. No. 41	0	0	0	85,000
Mod. No. 42	0	0	0	286,761
Mod. No. 43	0	0	0	189,511
Mod. No. 44	0	0	0	83,000
Mod. No. 45	0	0	0	164,560
Mod. No. 46	0	0	0	84,081
Mod. No. 47	0	0	0	75,000
Mod. No. 48	0	0	0	54,635
Mod. No. 49	0	0	0	243,065
Mod. No. 50	0	0	0	26,988
Mod. No. 51	0	0	0	96,162
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792

CONTRACT TABULATION

Through		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166

\$	<u>41,438,672</u>	<u>\$2,864,882</u>	\$	<u>44,303,554</u>	\$	<u>29,185,700</u>	*
	Cost	\$ 27,330,371					
	Fee	1,855,329					
	*Total	\$29,185,700					

	Cost	Award Fee	Total	
\$	48,814	3,378	\$ 52,192	DF18
\$	14,965	1,035	\$ 16,000	DI18
\$	6,173	40	\$ 6,213	DM43
\$	42,088	2,912	\$ 45,000	DM45
\$	-	-19	\$ (19)	DM08
\$	18,706	1,294	\$ 20,000	DS13
\$	32,735	2,265	\$ 35,000	DS12
\$	86,769	6,011	\$ 92,780	da17

THIS MOD	\$	250,250	16,916	\$	267,166
PREVIOUS	\$	27,080,121	1,838,413	\$	28,918,534
TOTALS	\$	27,330,371	1,855,329	\$	29,185,700

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 111	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$294,021 (\$396,579 for cost and -\$102,558 for fee). This increase takes into consideration the deobligation of the unearned award fee amounts from the second period (\$81,741) and third period (\$48,425), and the increase in the incremental funding by \$424,187 of which \$396,579 is allotted to cost and \$27,608 is allotted to fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is 27,726,950. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,752,771 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Darlène T. Baxter Contracting Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlène T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 5/28/96

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR Amount	Task No.	Status
DAF.0353	98 R21828	52251311000 \$26,000	DG04	Complete
DI.1207	98 R22264	25870210600 \$35,000	DI13	Complete
DI.1207	98 R23292	52215210100 \$10,000	DI13	Complete
DIG.1295	98 R21770	53804130200 11,187	DI04	Complete
DMB.5043	97 R23299	63240410300 \$20,000	DM48	Complete
DMB.5043	97 H15189	53706322000 \$55,000	DM48	Complete
DMB.5043	98 R21879	52232110100 \$25,000	DM48	Complete
DMB.5043	98 R23010	52211480100 \$15,000	DM48	Complete
DME.2500	98 R22954	52212510100 \$7,000	DM49	Complete
DME.2500	98 R23501	24233012900 \$120,000	DM49	Complete
DMF.5231	98 R19572	53802110100 \$14,500	DM51	Complete
DMF.5231	98 R22967	52218110300 \$50,000	DM51	Complete
DMF.5231	98 R23339	50564138600 \$35,500	DM51	Complete
			-\$130,166.00 applicable tasks	
TOTAL			\$294,021	

*The deobligations for the unearned award fee are reflected in the memo to FMD dated May 28, 1998.

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Award	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No. 1	0	0	0	1,700,026
Mod. No. 2	0	0	0	28,600
Mod. No. 3	0	0	0	112,000
Mod. No. 4	0	0	0	50,000
Mod. No. 5	0	0	0	(82,800)
Mod. No. 6	0	0	0	50,000
Mod. No. 7	0	0	0	(18,594)
Mod. No. 8	0	0	0	123,600
Mod. No. 9	0	0	0	66,345
Mod. No. 10	0	0	0	194,795
Mod. No. 11	0	0	0	82,000
Mod. No. 12	0	0	0	298,000
Mod. No. 13	0	0	0	832,608
Mod. No. 14	0	0	0	2,038,096
Mod. No. 15	0	0	0	1,147,292
Mod. No. 16	0	0	0	810,237
Mod. No. 17	0	0	0	1,346,484
Mod. No. 18	0	0	0	1,531,825
Mod. No. 19	0	0	0	334,753
Mod. No. 20	0	0	0	281,502
Mod. No. 21	0	0	0	86,747
Mod. No. 22	0	0	0	91,541
Mod. No. 23	0	0	0	49,802
Mod. No. 24	0	0	0	50,916
Mod. No. 25	0	0	0	5,948
Mod. No. 26	0	0	0	24,737
Mod. No. 27	13,845,044	957,148	14,802,192	0

Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0		0	673

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081

Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
		<u>\$ 41,438,672</u>	<u>\$2,864,882</u>	<u>\$ 44,303,554</u>	<u>\$ 29,479,721</u>

Cost \$ 27,726,950
 Fee 1,752,771
 *Total \$29,479,721

	Cost	Award Fee	Total	
\$	24,318	1,682	\$ 26,000	DG04
\$	42,088	2,912	\$ 45,000	DI13
\$	107,559	7,441	\$ 115,000	DM48
\$	118,783	8,217	\$ 127,000	DM49
\$	93,530	6,470	\$ 100,000	DM51
\$	10,301	886	\$ 11,187	DI04
\$	-	-130,166	\$ (130,166)	NI applicable tasks
THIS MOD \$	396,579	-102,558	\$ 294,021	
PREVIOUS \$	27,330,371	1,855,329	\$ 29,185,700	
TOTALS \$	27,726,950	1,752,771	\$ 29,479,721	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 112	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding by \$938,221 (\$873,528 for cost and \$64,693 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$28,600,478. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,817,464 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	7/1/96

FILE CO...

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR Amount</u>	<u>Task No.</u>	<u>Status</u>	
DAA.2007	98 R9967	50559874700	\$36,000	DA18	Complete
DCK.1144	98 H15198	53707242300	\$80,000	DC25	Complete
DCK.1144	98 H15268	53708232100	\$25,000	DC25	Complete
DCO.1176	98 R20896	53804111700	\$24,001	DC21	Complete
DCP.1235	98 R22885	52214110300	\$30,000	DC24	Complete
DCP.1236	98 R22885	52214110300	\$30,000	DC22	Complete
DCP.1236	98 R23403	54841310100	\$5,000	DC22	Complete
DFB.3824	98 H2321S	53803120200	\$21,000	DF21	Complete
DFC.3630	98 H15278	53705210100	\$30,000	DF19	Complete
DFC.3630	97 R21931	52211210100	\$20,000	DF19	Complete
DFC.3630	97 R22039	58120210200	\$40,000	DF19	Complete
DFC.3630	98 R20957	53807151000	\$60,000	DF19	Complete
DFC.3630	98 H2321A	53803120100	\$40,000	DF19	Complete
DFC.3630	98 H2313A	53803110100	\$40,000	DF19	Complete
DFC.3632	98 R20956	53807141000	\$30,000	DF22	Complete
DFC.3632	98 R22039	58120210200	\$40,000	DF22	Complete
DI.1208	98 R21867	52233110400	\$4,000	DI08	Complete
DI.1208	98 R22264	25870210600	\$15,000	DI08	Complete
DI.1208	98 R22272	25870210800	\$18,427	DI08	Complete
DI.1209	98 M1878	99235150400	\$4,000	DI18	Complete
DI.1209	98 R21892	52214210100	\$43,000	DI18	Complete
DI.1209	98 R22965	52235210100	\$11,000	DI18	Complete
DI.1210	98 R21838	52214210200	\$28,769	DI01	Complete
DI.1211	98 R21838	52214210200	\$25,075	DI09	Complete
DI.1212	98 R21838	52214210200	\$16,428	DI11	Complete
DII.1181	98 R23049	51950110100	\$52,000	DI16	Complete
DMC.4887	98 R22989	52212610100	\$25,000	DM50	Complete
DME.2505	98 H15191	53706342000	\$30,000	DM49	Complete
DME.2505	98 R20236	29740000100	\$5,000	DM49	Complete
DMF.5168	98 R22823	24233011200	\$2,033	DM15	Complete
DMF.5233	98 H15190	53706332000	\$22,000	DM52	Complete
DSK.1165	98 R23021	63210140500	\$1,539	DS02	Complete
DSL.1377	98 R23554	24233012900	\$83,949	DS15	Complete
			\$938,221		

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$	\$	\$	\$
		17,765,083	1,228,360	18,993,443	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54		0	0	0	321,700
Mod. No. 55		0	0	0	90,000
Mod. No. 56		0	0	0	82,268
Mod. No. 57		0	0	0	158,025
Mod. No. 58		0	0	0	337,539
Mod. No. 59		0	0	0	72,177
Mod. No. 60		0	0	0	137,790
Mod. No. 61		0	0	0	68,241
Mod. No. 62		0	0	0	163,252
Mod. No. 63		0	0	0	212,523
Mod. No. 64		0	0	0	5,000
Mod. No. 65		0	0	0	161,000
Mod. No. 66		0	0	0	(1,500)
Mod. No. 67		0	0	0	25,012
Mod. No. 68		0	0	0	81,617
Mod. No. 70		0	0	0	42,500
Mod. No. 71		0	0	0	170,400
Mod. No. 72		0	0	0	137,450
Mod. No. 73		0	0	0	17,017
Mod. No. 74		0	0	0	(219,587)
Mod. No. 75		0	0	0	53,105
Mod. No. 76		0	0	0	84,000
Mod. No. 77		0	0	0	26,000
Mod. No. 78		0	0	0	59,923
Mod. No. 79		0	0	0	111,200
Mod. No. 80		0	0	0	45,000
Mod. No. 81		0	0	0	228,268
Mod. No. 82		0	0	0	116,081
Mod. No. 83		0	0	0	54,756
Mod. No. 84		0	0	0	358,138
Mod. No. 85		0	0	0	626,792
Mod. No. 86		0	0	0	172,534
Mod. No. 87		0	0	0	1,489,768
Mod. No. 88		0	0	0	261,615
Mod. No. 89		0	0	0	432,103
Mod. No. 90		0	0	0	654,540
Mod. No. 91		0	0	0	385,962
Mod. No. 92		0	0	0	223,773
Mod. No. 93		0	0	0	690,943
Mod. No. 94		0	0	0	393,792
Mod. No. 95		0	0	0	414,946
Mod. No. 96		0	0	0	211,276
Mod. No. 97		0	0	0	361,112
Mod. No. 98		0	0	0	205,292
Mod. No. 99		0	0	0	266,333
Mod. No. 100		0	0	0	119,291
Mod. No. 101		0	0	0	0
Mod. No. 102		0	0	0	251,928
Mod. No. 103		9,828,545	679,374	10,507,919	210,774
Mod. No. 104		0	0	0	121,964
Mod. No. 105		0	0	0	33,512
Mod. No. 106		0	0	0	842,780
Mod. No. 107		0	0	0	442,761
Mod. No. 108		0	0	0	362,407
Mod. No. 109		0	0	0	167,861
Mod. No. 110		0	0	0	267,166
Mod. No. 111		0	0	0	294,021

CONTRACT TABULATION

<u>Through</u> Mod. No.		<u>Estimated Cost</u> 0	<u>Award Fee</u> 0	<u>CPAF</u> 0	<u>Funding</u> 938,221
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Totals		\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 30,417,942
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Cost	\$ 28,600,478
Fee	1,817,464
*Total	\$30,417,942

	Cost	Award Fee	Total	
\$	33,671	2,329	\$ 36,000	DA18
\$	98,206	6,794	\$ 105,000	DC25
\$	22,448	1,553	\$ 24,001	DC21
\$	28,059	1,941	\$ 30,000	DC24
\$	32,735	2,265	\$ 35,000	DC22
\$	19,641	1,359	\$ 21,000	DF21
\$	215,119	14,881	\$ 230,000	DF19
\$	65,471	4,529	\$ 70,000	DF22
\$	34,358	3,069	\$ 37,427	DI08
\$	-54,247	3,753	\$ 58,000	DI18
\$	26,908	1,861	\$ 28,769	DI01
\$	23,453	1,622	\$ 25,075	DI09
\$	15,365	1,063	\$ 16,428	DI11
\$	48,636	3,364	\$ 52,000	DI16
\$	23,382	1,618	\$ 25,000	DM50
\$	32,735	2,265	\$ 35,000	DM49
\$	-	2,033	\$ 2,033	DM15
\$	20,577	1,423	\$ 22,000	DM52
\$	-	1,539	\$ 1,539	DS02
\$	78,517	5,432	\$ 83,949	DS15

THIS MOD	\$ 873,528	64,693	\$ 938,221
PREVIOUS	\$ 27,726,950	1,752,771	\$ 29,479,721
TOTALS	\$ 28,600,478	1,817,464	\$ 30,417,942

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES 1 9
2. AMENDMENT/MODIFICATION NO. 113		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 3 and 4		5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			7. ADMINISTERED BY (If other than Item 6)		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
				10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE				

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See pages 3 and 4

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

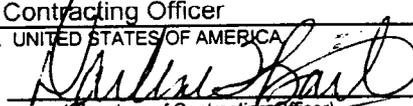
The purpose of this modification is to increase the incremental funding by \$1,393,672 (\$1,298,413 for cost and \$95,259 for fee), and to revise the Award Fee Evaluation Plan. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$29,898,891. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,912,723 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/2/98
(Signature of person authorized to sign)			

B. Under paragraph 1.17—AWARD FEE FOR SERVICE CONTRACTS, page 3 of the Award Fee Evaluation Plan is hereby being revised per the attached effective immediately.

PART I - AWARD FEE EVALUATION BOARD CHARTER AND MEMBERS

A. General:

The Award Fee Evaluation Board derives its authority from Langley Research Center memorandum signed by the Center Director.

The Charter of the Award Fee is to maintain an organization and establish a method of operation that will ensure acquisition of data necessary to permit a valid semi-annual assessment of the Contractor's performance in the following five (5) areas: Technical Performance, Management, Cost, Safety, and Utilization of Small Disadvantaged Business (SDB) Subcontractors. The Award Fee Board is to develop an evaluation plan, evaluate the Contractor's overall performance concerning the contract work, discuss such evaluations with the Contractor, receive and consider any additional performance data provided, and submit to the Fee Determination Official a fee recommendation for each evaluation period with applicable results and findings.

B. Award Fee Evaluation Board

The award fee organization is established as follows:

1. Determination Official:

Dr. Douglas L. Dwyer, Research and Technology Group

2. Award Fee Evaluation Board:

Chairman:

Wayne H. Bryant, Flight Electronics Technology Division, Research & Technology Group

Voting Members:

Panice H. Clark, Office of Procurement, Procurement Support Branch B

James L. Pittman, High Performance Aircraft Office, Airframe System Program Office

R. Keith Bird, Metallic Materials Division, Research & Technology Group

James Luckring, Aero & Gas Dynamics Division, Research & Technology Group

E. Leon Morrisette, Fluid Mechanics and Acoustics Division, Research & Technology Group

Secretary: (Non voting)

Lisa F. Peckham, Flight Electronics Technology Division, Research & Technology Group

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAC.1077	R23175	522223101	-2,799	DA02	DEOBLIGATION
DAA.1959	R9930	505598736	-3,324	DA03	DEOBLIGATION
DAC.1001	R21751	538051301	-722	DA04	DEOBLIGATION
DAC.1002	R15279	537072024	-281	DA05	DEOBLIGATION
DAE.1172	M3685	992200331	-1,213	DA06	DEOBLIGATION
DAA.1893	H15052	537072201	-373	DA07	DEOBLIGATION
DAA.1980	R22942	538141401	-2,170	DA08	DEOBLIGATION
DAE.1123	R22904	242330104	-4,351	DA09	DEOBLIGATION
DAE.1127	M3685	992200331	-901	DA10	DEOBLIGATION
DAA.1975	R9937	505598739	-799	DA11	DEOBLIGATION
DAD.1006	R21840	522221101	-508	DA12	DEOBLIGATION
DAA.1965	R21837	522221101	-35	DA13	DEOBLIGATION
DCL.1091	R21576	632104390	-527	DC01	DEOBLIGATION
DCO1173	R20895	538041111	-2,266	DC02	DEOBLIGATION
DCO.1158	R19790	538041116	-127	DC03	DEOBLIGATION
DCP.1112	R21907	522222103	-1,353	DC04	DEOBLIGATION
DCP.1207	R23403	548413101	-1,620	DC05	DEOBLIGATION
DCP.1212	H15276	537082221	-2,270	DC06	DEOBLIGATION
DCO.1155	R22885	522141103	-1,704	DC07	DEOBLIGATION
DFM1239	H15291	537072221	-1,186	DC08	DEOBLIGATION
DC.1034	R22693	522143104	-1,345	DC09	DEOBLIGATION
DCM.1163	R21908	522253102	-382	DC10	DEOBLIGATION
DCM.1253	R22999	522224101	-1,384	DC11	DEOBLIGATION
DCP.1137	H15153	537082221	-189	DC12	DEOBLIGATION
DCK.1064	R19580	505645201	-473	DC13	DEOBLIGATION
DCK.1132	H15264	537082421	-3,461	DC14	DEOBLIGATION
DCO.1127	R20896	538041117	-1,656	DC15	DEOBLIGATION
DFM.1237	R22942	538141401	-861	DC16	DEOBLIGATION
DCM.1180	R21363	505593051	-61	DC18	DEOBLIGATION
DFB.3683	H2351S	538031501	-813	DF01	DEOBLIGATION
DAB.1070	R22900	242800101	-539	DF03	DEOBLIGATION
DFC.3577	R22039	581202102	-2,514	DF04	DEOBLIGATION
DFC.3556	R20957	538071510	-5,100	DF05	DEOBLIGATION
DFB.3793	H2321S	538031202	-675	DF06	DEOBLIGATION
DFB.3674	H15194	537063720	-377	DF07	DEOBLIGATION
DFM.1193	H15283	537072021	-950	DF08	DEOBLIGATION
DFB.3809	H2342S	538031401	-1,662	DF09	DEOBLIGATION
DFL.1295	H15203	537072323	-211	DF10	DEOBLIGATION
DFM.1263	R23188	522316102	-865	DF11	DEOBLIGATION
DFC.3413	H15071	537092102	-3,297	DF13	DEOBLIGATION
DFL.1437	R22942	538141401	-759	DF15	DEOBLIGATION
DFM.1190	R21743	538051401	-854	DF16	DEOBLIGATION
DFL.1465	R22942	538141401	-91	DF17	DEOBLIGATION
DAE.1142	R23020	242330318	-1,662	DG01	DEOBLIGATION
DAB.1069	R23447	242713001	-834	DG02	DEOBLIGATION
DAB.1070	R22888	242330305	-963	DG03	DEOBLIGATION
DAF.0324	R21828	522513110	-4,970	DG04	DEOBLIGATION
DI.1190	R21838	522142102	-1,114	DI01	DEOBLIGATION
DI.1146	R21838	522142102	-518	DI02	DEOBLIGATION
DI.1435	R22638	963300150	-1,861	DI03	DEOBLIGATION
DIG.1285	R12770	538041302	-3,211	DI04	DEOBLIGATION
DIG.1224	R21838	522142102	-362	DI05	DEOBLIGATION
DI.1201	H15275	537082221	-1,293	DI06	DEOBLIGATION

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DII.1162	R23456	519511101	-1,392	DI07	DEOBLIGATION
DI.1198	R21867	522331104	-692	DI08	DEOBLIGATION
DI.1191	R21838	522142102	-765	DI09	DEOBLIGATION
DIF.1192	R21898	522142101	-1,686	DI10	DEOBLIGATION
DI.1193	R21838	522142102	-544	DI11	DEOBLIGATION
DIF.1194	R22293	258702106	-1,353	DI12	DEOBLIGATION
DIF.1197	R22293	258702106	-5,123	DI13	DEOBLIGATION
DI.1197	R20810	963350001	-655	DI14	DEOBLIGATION
DIG.1258	R21770	538041302	-122	DI15	DEOBLIGATION
DI.1182	R23456	519511101	-151	DI16	DEOBLIGATION
DMC.4739	R20489	505631064	-1,108	DM01	DEOBLIGATION
DMB.4786	H15189	537063220	-770	DM02	DEOBLIGATION
DMC.4703	H15190	537063320	-378	DM03	DEOBLIGATION
DMF.4886	R19572	538021101	-362	DM05	DEOBLIGATION
DMH.1335	R22357	632202113	-149	DM06	DEOBLIGATION
DMF.4966	R19572	538021101	-2,052	DM07	DEOBLIGATION
DMH.1352	R21068	956170001	-312	DM08	DEOBLIGATION
DMH.1431	R22357	632202113	-170	DM09	DEOBLIGATION
DME.2389	H15188	537063120	-2,869	DM10	DEOBLIGATION
DME.2380	R20952	505631011	-1,672	DM11	DEOBLIGATION
DME.2381	R20500	260301550	-1,168	DM12	DEOBLIGATION
DMB.4977	R21879	522321101	-1,940	DM13	DEOBLIGATION
DMC.4636	R19571	538021001	-325	DM14	DEOBLIGATION
DMF.5141	R22307	242330112	-2,033	DM15	DEOBLIGATION
DMH.1320	R22246	632202111	-118	DM18	DEOBLIGATION
DS.1141	R20939	538101102	-867	DM19	DEOBLIGATION
DMH.1322	R22323	632202113	-184	DM20	DEOBLIGATION
DMC.4863	R20236	297400001	-235	DM21	DEOBLIGATION
DMF.4959	R21655	323780102	-1,400	DM24	DEOBLIGATION
DMC.4695	R21816	538101105	-667	DM25	DEOBLIGATION
DMF.4955	R21698	323780103	-390	DM26	DEOBLIGATION
DMF.5199	R22968	538131103	-609	DM28	DEOBLIGATION
DMF.5148	R19572	538021101	-679	DM29	DEOBLIGATION
DMC.4761	R21816	538101105	-393	DM30	DEOBLIGATION
DMC.4855	R20236	297400001	-267	DM31	DEOBLIGATION
DMF.5164	R23082	250502051	-829	DM32	DEOBLIGATION
DME.2482	R22954	522125101	-5,549	DM33	DEOBLIGATION
DMC.4825	H15190	537063320	-301	DM34	DEOBLIGATION
DMC.4855	R22989	522126101	-334	DM35	DEOBLIGATION
DMF.5159	R22968	538131103	-65	DM36	DEOBLIGATION
DMF.5128	H15190	537063320	-209	DM37	DEOBLIGATION
DMH.1433	R22515	956170001	-50	DM38	DEOBLIGATION
DMH.1514	R21887	522321102	-251	DM39	DEOBLIGATION
DMF.5194	R19572	538021101	-1,008	DM40	DEOBLIGATION
DMF.5143	R22823	242330112	-30	DM41	DEOBLIGATION
L.1003	R21861	522511111	-609	D001	DEOBLIGATION
DSI.1668	H15192	537063520	-2,697	DS01	DEOBLIGATION
DSK.1165	R22072	522312105	-1,539	DS02	DEOBLIGATION
DSD.1546	H15193	537063620	-1,841	DS03	DEOBLIGATION
DSJ.1148	R22352	632202111	-111	DS04	DEOBLIGATION
DSL.1349	H15191	537063420	-3,602	DS05	DEOBLIGATION
DSI.1745	H15192	537063520	-1,447	DS06	DEOBLIGATION
DSK.1179	R19736	509101103	-415	DS07	DEOBLIGATION

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR Amount</u>		<u>Task No.</u>	<u>STATUS/OBL/DEOB</u>
DSK.1180	R23021	632101405	-1,398	DS08	DEOBLIGATION
DSI.1748	R22625	896100001	-445	DS09	DEOBLIGATION
		Total	-130,166		

The above amount 130,166 was deobligated by Modification No. 111; this provides a listing of the accounting information for the FMD Office.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR Amount</u>		<u>Task No.</u>	<u>STATUS/OBL/DEOB</u>
DAA.2012	98 R22942	53814140100	38,384	DC08	COMPLETE/OBL
DAB.1093	98 R22910	24233010400	\$12,196	DA19	COMPLETE/OBL
DAB.1093	98 R22911	24233010400	\$12,000	DA19	COMPLETE/OBL
DAB.1093	98 R22913	24233010400	\$10,000	DA19	COMPLETE/OBL
DAB.1093	98 R22912	24233010400	\$10,000	DA19	COMPLETE/OBL
DAB.1094	98 R22910	24233010400	\$12,500	DG03	COMPLETE/OBL
DAB.1094	98 R22913	24233010400	\$13,511	DG03	COMPLETE/OBL
DAB.1094	98 R22912	24233010400	\$12,500	DG03	COMPLETE/OBL
DAB.1094	98 R22911	24233010400	\$12,500	DG03	COMPLETE/OBL
DAC.1053	98 R23176	52231610300	\$22,303	DA02	COMPLETE/OBL
DAE.1221	98 M3685	99220033100	\$138,000	DA06	COMPLETE/OBL
DAE.1222	98 M3692	99220033100	\$28,118	DA14	COMPLETE/OBL
DAE.1226	98 R21827	52251312000	\$20,000	DG01	COMPLETE/OBL
DAE.1226	98 R21828	52251311000	\$15,000	DG01	COMPLETE/OBL
DAF.0358	98 R21828	52251311000	\$140,000	DA20	COMPLETE/OBL
DCL.1132	98 R23612	52226410100	\$15,000	DC08	COMPLETE/OBL
DCM.1275	98 R22996	52235110200	\$48,000	DC26	COMPLETE/OBL
DCM.1275	98 R22997	52211710300	\$15,000	DC26	COMPLETE/OBL
DCM.1275	98 R23000	52221510100	\$7,000	DC26	COMPLETE/OBL
DCO.1184	98 R20895	53804111100	\$72,000	DC23	COMPLETE/OBL
DFB.3826	98 H2342S	53803140100	\$58,951	DF09	COMPLETE/OBL
DI.1214	98 R21874	5222421030	\$20,000	DI13	COMPLETE/OBL
DI.1214	98 R23476	50564525000	\$20,000	DI13	COMPLETE/OBL
DI.1214	98 R23636	54881110300	\$10,000	DI13	COMPLETE/OBL
DIF.1207	98 R22293	25870210600	\$50,000	DI12	COMPLETE/OBL
DIG.1297	98 R21770	53804130200	\$100,000	DI20	COMPLETE/OBL
DIH.1442	98 H15275	53708222100	\$75,000	DI19	COMPLETE/OBL
DIH.1442	98 R23636	54881110300	\$50,000	DI19	COMPLETE/OBL
DIH.1442	98 R19732	53804111500	\$1,000	DI19	COMPLETE/OBL
DMC.4886	98 R19571	53802100100	\$10,166	DM21	COMPLETE/OBL
DMC.4890	98 H15190	53706332000	\$35,000	DM53	COMPLETE/OBL
DMF.5241	98 R23516	24282200100	\$30,000	DM54	COMPLETE/OBL
DMF.5245	98 R22229	32378010400	\$40,150	DM32	COMPLETE/OBL
DSL.1379	98 H15191	53706342000	\$162,347	DS15	COMPLETE/OBL
DSI.1806	98 H15192	53706352000	\$77,046	DS11	COMPLETE/OBL

\$1,393,672

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1393672

Totals \$ 41,438,672 \$ 2,864,882 \$ 44,303,554 \$ 31,811,614

-- Cost \$ 29,898,891
 Fee 1,912,723
 *Total \$31,811,614

	Cost	Award Fee	Total	
\$	34,397	3,987	\$ 38,384	DA08
\$	41,337	2,859	\$ 44,196	DA19
\$	47,711	3,300	\$ 51,011	DG03
\$	17,498	4,805	\$ 22,303	DA02
\$	129,071	8,929	\$ 138,000	DA06
\$	26,299	1,819	\$ 28,118	DA14
\$	32,735	2,265	\$ 35,000	DG01
\$	130,942	9,058	\$ 140,000	DA20
\$	14,029	971	\$ 15,000	DC08
\$	65,471	4,529	\$ 70,000	DC26
\$	67,342	4,658	\$ 72,000	DC23
\$	55,137	3,814	\$ 58,951	DF09
\$	46,765	3,235	\$ 50,000	DI13
\$	46,765	3,235	\$ 50,000	DI13
\$	93,530	6,470	\$ 100,000	DI20
\$	117,848	8,152	\$ 126,000	DI19
\$	9,288	878	\$ 10,166	DM21
\$	32,735	2,265	\$ 35,000	DM53
\$	28,059	1,941	\$ 30,000	DM54
\$	37,552	2,598	\$ 40,150	DM32
\$	151,843	10,504	\$ 162,347	DS15
\$	72,059	4,987	\$ 77,046	DS11
THIS MOD	\$ 1,298,413	95,259	\$ 1,393,672	
PREVIOUS	\$ 28,600,478	1,817,464	\$ 30,417,942	
TOTALS	\$ 29,898,891	1,912,723	\$ 31,811,614	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 114	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UICF section headings, including solicitation/contract subject matter where feasible.)

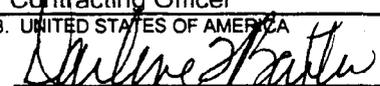
The purpose of this modification is to increase the incremental funding by \$384,313 (\$358,563 for cost and \$25,750 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,257,454. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,938,473 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 7/16/98

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3

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAC.1054	98 H15280	53707202300	\$25,000	DA21	COMPLETE/OBL
DAC.1054	98 R22948	53814120100	\$70,600	DA21	COMPLETE/OBL
DAC.1054	98 R23176	52231610300	\$2,000	DA21	COMPLETE/OBL
DAC.1054	98 R23175	52222310100	\$9,400	DA21	COMPLETE/OBL
DAE.1223	98 R22948	53814120100	\$26,500	DA09	COMPLETE/OBL
DAE.1223	98 R23192	51920210100	\$10,500	DA09	COMPLETE/OBL
DAE.1223	98 R23071	52232310100	\$25,000	DA09	COMPLETE/OBL
DAE.1229	98 R23291	52215210200	\$6,000	DA10	COMPLETE/OBL
DAE.1229	98 R22964	53814140500	\$25,000	DA10	COMPLETE/OBL
DFB.3832	98 H2342S	53803140100	\$12,000	DF23	COMPLETE/OBL
DFC.3640	98 H2331A	53803130100	\$60,000	DF20	COMPLETE/OBL
DFL.1394	98 R19823	53805150100	-\$13,687	DF15	DEOBLIGATION
DFM.1278	98 H2313A	53803110100	\$7,600	DF24	COMPLETE/OBL
DFM.1278	98 R23188	52231610200	\$13,634	DF24	COMPLETE/OBL
DFM.1278	98 R23671	50559535800	\$8,766	DF24	COMPLETE/OBL
DI.1215	98 R21537	96221230100	\$32	DI21	COMPLETE/OBL
DI.1215	98 R21679	96221005000	\$1,968	DI21	COMPLETE/OBL
DSD.1573	98 H15305	53706362000	\$94,000	DS14	COMPLETE/OBL

TOTAL \$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1393672
Mod. No.	114	0	0	0	384,313
Totals		\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 32,195,927

Cost \$ 30,257,454
 Fee 1,938,473
 *Total \$32,195,927

	Cost	Award Fee	Total	
\$	100,077	6,923	\$ 107,000	DA21
\$	57,989	4,011	\$ 62,000	DA09
\$	28,994	2,006	\$ 31,000	DA10
\$	11,224	776	\$ 12,000	DF23
\$	56,118	3,882	\$ 60,000	DF20
\$	(13,687)	-0	\$ (13,687)	DF15
\$	28,059	1,941	\$ 30,000	DF24
\$	1,871	129	\$ 2,000	DI21
\$	87,918	6,082	\$ 94,000	DS14

THIS MOD	\$ 358,563	25,750	\$ 384,313
PREVIOUS	\$ 29,898,891	1,912,723	\$ 31,811,614
TOTALS	\$ 30,257,454	1,938,473	\$ 32,195,927

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT NO. JDE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 115		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 3
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		5. PROJECT NO. (If applicable)	
7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE		9B. DATED (SEE ITEM 11)	
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

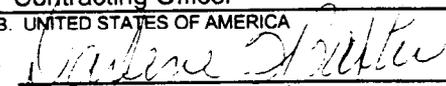
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to obligate funding in the amount of \$389,519 (\$350,856 for cost and \$38,663 for fee), and to revise the Award Fee Evaluation Plan. Accordingly, the following changes are made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 8/12/98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

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A. Under Section B, B.4 CONTRACT 1 ... NG, is deleted in its entirety and the following is substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,608,310. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,977,136 is obligated under this contract for payment of fee".

B. Under paragraph I.17—AWARD FEE FOR SERVICE CONTRACTS, page 3 of the Award Fee Evaluation Plan is hereby being revised per the attached effective immediately.

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DAA.2013	98 R9970	50559874900	20,000	DA22	COMPLETE/OBL
DAA.2015	98 H15292	53707222900	5,000	DA22	COMPLETE/OBL
DAA.2015	98 R22939	52211810100	986	DA22	COMPLETE/OBL
DAC.1057	98 H15299	53707202400	4,200	DA21	COMPLETE/OBL
DAC.1057	98 R22948	53814120100	10,000	DA21	COMPLETE/OBL
DAC.1057	98 R23176	52231610300	4,800	DA21	COMPLETE/OBL
DCK.1132	98 H15289	53707242500	-30,000	DC14	COMPLETE/DEOBL
DCO.1155	98 R20896	53804111700	-\$38,000	DC07	COMPLETE/DEOBL
DCO.1174	98 R20896	53804111700	10,000	DC20	COMPLETE/OBL
DCO.1176	98 R20896	53804111700	38,000	DC21	COMPLETE/OBL
DCO.1188	98 R20896	53804111700	46,000	DC27	COMPLETE/OBL
DCP.1235	98 R22885	522141103	\$120,000	DC24	COMPLETE/OBL
DFC.3641	98 H15180	53709212100	\$50,000	DF20	COMPLETE/OBL
DI.1216	98 M1878	99235150400	\$5,000	DI13	COMPLETE/OBL
DI.1216	98 R21032	53804140200	40,000	DI13	COMPLETE/OBL
DI.1217	98 R21874	52224210300	10,000	DI13	COMPLETE/OBL
DI.1217	98 R23643	25880000100	10,000	DI13	COMPLETE/OBL
DIH.1445	98 R23636	54881110300	8,500	DI19	COMPLETE/OBL
DME.2475	98 R23298	24233011700	-\$14,000	DM33	COMPLETE/DEOBL
DME.2479	98 H15303	53706322000	-\$31,000	DM33	COMPLETE/DEOBL
DME.2487	98 R23215	52231510200	-\$75,000	DM33	COMPLETE/DEOBL
DMF.5159	98 R22968	53813110300	-20,000	DM36	COMPLETE/DEOBL
DMF.5252	98 R23674	24223101300	\$76,000	DM54	COMPLETE/OBL
DMF.5253	98 R23561	52218115000	10,036	DM50	COMPLETE/OBL
DSI.1812	98 R21889	52910110100	\$40,000	DS10	COMPLETE/OBL
DSK.1232	98 R23009	52231710100	10,983	DS13	COMPLETE/OBL
DSK.1232	98 R23021	63210140500	8,441	DS13	COMPLETE/OBL
DSK.1233	98 R22989	52212610100	19,573	DS16	COMPLETE/OBL
IA.1050	98 H15239	53709212400	\$50,000	DF20	COMPLETE/OBL

389,519

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 52	0	0	0	59,226
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672

CONTRACT TABULATION
Through

		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAE</u>	<u>Funding</u>
Mod. No.	114	0	0	0	384,313
Mod. No.	115	0 \$	- \$	- \$	389,519
Totals		\$ 41,438,672 \$	2,864,882 \$	44,303,554 \$	32,585,446

Cost \$ 30,608,310
 Fee 1,977,136
 *Total \$32,585,446

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$	18,706	1,294 \$	20,000	DA22
\$	5,598	388 \$	5,986	DA22
\$	17,771	1,229 \$	19,000	DA21
\$	(30,000)	0 \$	(30,000)	DC14
\$	(38,000)	0 \$	(38,000)	DC07
\$	9,353	647 \$	10,000	DC20
\$	35,541	2,459 \$	38,000	DC21
\$	43,024	2,976 \$	46,000	DC27
\$	112,236	7,764 \$	120,000	DC24
\$	46,765	3,235 \$	50,000	DF20
\$	42,088	2,912 \$	45,000	DI13
\$	18,706	1,294 \$	20,000	DI13
\$	7,950	550 \$	8,500	DI19
\$	(14,000)	0 \$	(14,000)	DM33
\$	(31,000)	0 \$	(31,000)	DM33
\$	(75,000)	0 \$	(75,000)	DM33
\$	(20,000)	0 \$	(20,000)	DM36
\$	71,083	4,917 \$	76,000	DM54
\$	9,386	650 \$	10,036	DM50
\$	37,412	2,588 \$	40,000	DS10
\$	18,166	1,258 \$	19,424	DS13
\$	18,306	1,267 \$	19,573	DS16
\$	46,765	3,235 \$	50,000	DF20

THIS MOD	\$ 350,856	\$ 38,663	\$ 389,519
PREVIOUS	\$ 30,257,454	1,938,473	\$ 32,195,927
TOTALS	\$ 30,608,310	1,977,136	\$ 32,585,446

Revision No. 3

PART I – AWARD FEE EVALUATION BOARD CHARTER AND MEMBERS

A. General:

The Award Fee Evaluation Board derives its authority from Langley Research Center memorandum signed by the Center Director.

The Charter of the Award Fee is to maintain an organization and establish a method of operation that will ensure acquisition of data necessary to permit a valid semi-annual assessment of the Contractor's performance in the following five (5) areas: Technical Performance, Management, Cost, Safety, and Utilization of Small Disadvantaged Business (SDB) Subcontractors. The Award Fee Board is to develop an evaluation plan, evaluate the Contractor's overall performance concerning the contract work, discuss such evaluations with the Contractor, receive and consider any additional performance data provided, and submit to the Fee Determination Official a fee recommendation for each evaluation period with applicable results and findings.

B. Award Fee Evaluation Board

The award fee organization is established as follows:

1. Determination Official:

Dr. Douglas L. Dwoyer, Research and Technology Group

2. Award Fee Evaluation Board:

Chairman:

Wayne H. Bryant, Flight Electronics Technology Division, Research & Technology Group

Voting Members:

David H. Jones, Office of Procurement, Procurement Support Branch B

James L. Pittman, High Performance Aircraft Office, Airframe System
Program Office

R. Keith Bird, Metallic Materials Division, Research & Technology Group

James Luckring, Aero & Gas Dynamics Division, Research & Technology
Group

E. Leon Morrisette, Fluid Mechanics and Acoustics Division, Research & Technology Group

Secretary: (Non voting)

Lisa F. Peckham, Flight Electronics Technology Division, Research & Technology Group

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 116	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE			

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) I.17—AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76)(SEP 1993)
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.	

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to authorize the payment of \$503,600 in earned award fee under the subject contract for the Fourth award fee period, and to adjust the contract schedule to reflect the available award fee pool for the period and the Earned award fee amount. Accordingly, the following changes are hereby being made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 8/14/98

FILE COPY

A. Under B.3—AWARD FEE AVAILABILITY SCHEDULE, LaRC 52.216-96)(MAR 1989), is hereby being revised as follows:

“The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>	<u>Earned Award Fee</u>	<u>Unearned Award Fee</u>
<u>Basic</u>			
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	\$519,041	\$437,300	\$81,741
<u>Option 1:</u>			
7/1/97 - 12/31/97	\$450,675	\$402,250	\$48,425
1/1/98 - 6/30/98	\$557,322	\$503,600	\$53,722
<u>Option 2:</u>			
7/1/98 - 12/31/98	TBD*	TBD*	TBD*
1/1/99 - 6/30/99	TBD*	TBD*	TBD*

*To Be Determined

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$503,600 shall be paid to the Contractor upon execution of this modification by the Contracting Officer for the fourth award fee period.

ACCOUNTING AND APPROPRIATION DATA ;
 PR NO. PY JO

RTR Amount

Task No.

Status

<u>CONTRACT TABULATION</u>		TOTAL	\$0		
Through		Estimated Cost	Award Fee	CPAF	Funding
Award		\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0

NAs1-96014

Modification No. 116

Page 4 of 5

12:52 PM

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1,393,672
Mod. No.	114	0	0	0	384,313
Mod. No.	115	0	0	0	389,519
Mod. No.	116	0	0	0	0
Totals		41,438,672	2,864,882	44,303,554	32,585,446

Cost	30,608,310
Fee	1,977,136
*Total	32,585,446

	\$0	\$0	\$ -
THIS MOD	\$ -	0	\$ -
PREVIOUS	\$ 30,608,310	1,977,136	\$ 32,585,446
TOTALS	\$ 30,608,310	1,977,136	\$ 32,585,446

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 / 6
2. AMENDMENT/MODIFICATION NO. 117	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014 10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

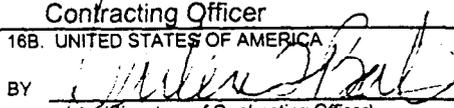
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to obligate funding in the amount of \$223,441 (\$207,239 for cost and \$16,202 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,815,549. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,993,338 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 8/28/98
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCK.1147	98 H15276	53708222100	\$5,000	DC25	COMPLETE/OBL
DCK.1147	98 H15289	53707242500	\$30,000	DC25	COMPLETE/OBL
DCP.1252	98 R22885	52214110300	\$1,806	DC04	COMPLETE/OBL
DFB.3838	98 H2321A	53803120100	8,319	DF06	COMPLETE/OBL
DFM.1281	98 R22978	52231610100	2,800	DF08	COMPLETE/OBL
DME.2518	98 H15303	53706322000	31,000	DM49	COMPLETE/OBL
DME.2518	98 R23215	52231510200	\$75,000	DM49	COMPLETE/OBL
DME.2518	98 R23298	24233011700	\$14,000	DM49	COMPLETE/OBL
DSI.1818	98 H15192	53706352000	\$15,516	DS17	COMPLETE/OBL
DSI.1818	98 R22983	53813110600	\$20,000	DS17	COMPLETE/OBL
DSI.1818	98 R22984	53813110500	\$20,000	DS17	COMPLETE/OBL

TOTAL \$223,441

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1393672
Mod. No.	114	0	0	0	384,313
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Totals		\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 32,808,887

Cost \$ 30,815,549
 Fee 1,993,338
 *Total \$32,808,887

	Cost	Award Fee	Total	
\$	32,735	2,265	\$ 35,000	dc25
\$	-	1,806	\$ 1,806	dc04
\$	7,725	594	\$ 8,319	df06
\$	2,619	181	\$ 2,800	df08
\$	112,236	7,764	\$ 120,000	dm49
\$	51,924	3,592	\$ 55,516	ds17

THIS MOD \$ 207,239 16,202 \$ 223,441
 PREVIOUS \$ 30,608,310 1,977,136 \$ 32,585,446
 TOTALS \$ 30,815,549 1,993,338 \$ 32,808,887

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 118		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

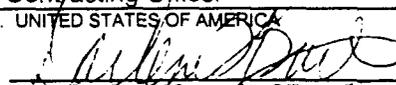
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to obligate and deobligate funding; the balance remaining results in a deobligation to the contract in the amount of -\$60,583 (-\$64,045 for cost and \$3,462 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,751,504. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,996,800 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/16/98

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAC.1059	98 R22948	53814120100	\$12,619	DA21	OBL/COMPLETE
DAE.1243	98 M3692	99220033100	\$15,882	DA14	OBL/COMPLETE
DCO.1158	98 R19790	53804111600	-\$3,063	DC03	DEOBL/COMPLETE
DCO.1173	98 R20895	53804111100	-14,206	DC02	DEOBL/COMPLETE
DCP.1207	98 R22938	548401101	-7,293	DC05	DEOBL/COMPLETE
DCP.1212	98 H15276	53708222100	-18,096	DC06	DEOBL/COMPLETE
DFB.3777	98 H2351S	53803150100	-\$8,350	DF01	DEOBL/COMPLETE
DI.1192	98 R21892	52214210100	-\$7,584	DI10	DEOBL/COMPLETE
DI.1197	98 R21537	96221230100	-\$8,912	DI14	DEOBL/COMPLETE
DIG.1295	98 R21770	53804130200	-\$20,880	DI04	DEOBL/COMPLETE
DMF.5261	98 R23339	50564138600	\$25,300	DM51	OBL/COMPLETE
DMH.1471	98 R22860	63210140200	-\$6,000	DM39	DEOBL/COMPLETE
DMH.1518	98 R21887	52232110200	-\$20,000	DM44	DEOBL/COMPLETE

TOTAL -\$60,583

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313
Mod. No. 115	0	0	0	389519
Mod. No. 116	0	0	0	0
Mod. No. 117	0	0	0	223441
Mod. No. 118	0	0	0	-60583
Totals	\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 32,748,304

Cost \$ 30,751,504
 Fee 1,996,800
 *Total \$32,748,304

	Cost	Award Fee	Total	
\$	11,803	816	\$ 12,619	da21
\$	14,873	1,009	\$ 15,882	da14
\$	(3,063)	0	\$ (3,063)	dc03
\$	(14,206)	0	\$ (14,206)	dc02
\$	(7,293)	0	\$ (7,293)	dc05
\$	(18,096)	0	\$ (18,096)	dc06
\$	(8,350)	0	\$ (8,350)	df01
\$	(7,584)	0	\$ (7,584)	di10
\$	(8,912)	0	\$ (8,912)	di14
\$	(20,880)	0	\$ (20,880)	di04
\$	23,663	1,637	\$ 25,300	dm51
\$	(6,000)	0	\$ (6,000)	dm39
\$	(20,000)	0	\$ (20,000)	dm44
THIS MOD	\$ (64,045)	3,462	\$ (60,583)	
PREVIOUS	\$ 30,815,549	1,993,338	\$ 32,808,887	
TOTALS	\$ 30,751,504	1,996,800	\$ 32,748,304	

NAS1-96014

Modification No. 118

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 119	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate and deobligate funding; the balance remaining results in a deobligation to the contract in the amount of -\$71,323 (-\$72,035 for cost and \$712 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,679,469. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$1,997,512 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 9/18/98
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCM.1253	98 R22999	52222410100	-\$10,067	DC11	DEOBL/COMPLETE
DCO.1155	98 R20896	538041117	-\$10,281	DC07	DEOBL/COMPLETE
DFC.3345	96 H15161	53705221000	-\$1,417	DF04	DEOBL/COMPLETE
DI .1146	97 R21838	52214210200	-6,365	DI02	DEOBL/COMPLETE
DIG.1258	97 R21770	53804130200	-7,643	DI15	DEOBL/COMPLETE
DMC.4824	98 R19571	53802100100	-15,000	DM35	DEOBL/COMPLETE
DME.2526	98 R23631	47888000100	\$10,000	DM49	OBL/COMPLETE
DME.2526	98 R19500	61822310200	\$1,000	DM49	OBL/COMPLETE
DMF.5141	98 R22828	24233011200	-\$31,550	DM15	DEOBL/COMPLETE

TOTAL -\$71,323

CONTRACT TABULATION

Through		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	1,228,360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313
Mod. No. 115	0	0	0	389519
Mod. No. 116	0	0	0	0
Mod. No. 117	0	0	0	223441
Mod. No. 118	0	0	0	-60583
Mod. No. 119	0	0	0	-71323
Totals	\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 32,676,981

Cost \$ 30,679,469
 Fee 1,997,512
 *Total \$32,676,981

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$ (10,067)	0	\$ (10,067)	dc11
\$ (10,281)	0	\$ (10,281)	dc07
\$ (1,417)	0	\$ (1,417)	df04
\$ (6,365)	0	\$ (6,365)	di02
\$ (7,643)	0	\$ (7,643)	di15
\$ (15,000)	0	\$ (15,000)	dm35
\$ 10,288	712	\$ 11,000	dm49
\$ (31,550)	0	\$ (31,550)	dm15

THIS MOD \$ (72,035) 712 \$ (71,323)
 PREVIOUS \$ 30,751,504 1,996,800 \$ 32,748,304
 TOTALS \$ 30,679,469 1,997,512 \$ 32,676,981

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 / 5
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2. AMENDMENT/MODIFICATION NO. 120	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
--------------------------------------	------------------------------------	------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
--------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

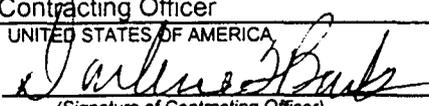
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding in the amount of \$215,401 (\$200,558 for cost and \$14,843 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$30,880,027. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,012,355 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 9/30/98
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DCK.1150	98 R22999	52222410100	\$10,067	DC26	OBL/COMPLETE
DCM.1294	98 R23838	52225116000	\$16,000	DC28	OBL/COMPLETE
DFB.3850	98 R22749	50562105300	\$2,000	DF23	OBL/COMPLETE
DMC.4904	98 R19571	53802100100	15,000	DM42	OBL/COMPLETE
DME.2530	98 R22989	52212610100	14,400	DM49	OBL/COMPLETE
DME.2531	98 H15188	53706312000	50,000	DM49	OBL/COMPLETE
DMF.5245	98 R22229	32378010400	\$29,200	DM32	OBL/COMPLETE
GGK.1494	98 C295302	29532010000	\$78,734	DA23	OBL/COMPLETE

Note: Changes to Mod. 113
 DAC.1077 should read DAC.1027
 DCP.1137 should read DCP.1127
 DIF.1192 should read DI.1192

TOTAL \$215,401

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313
Mod. No. 115	0	0	0	389519
Mod. No. 116	0	0	0	0
Mod. No. 117	0	0	0	223441
Mod. No. 118	0	0	0	-60583
Mod. No. 119	0	0	0	-71323
Mod. No. 120	0	0	0	215401
Totals	\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 32,892,382

Cost \$ 30,880,027
 Fee 2,012,355
 *Total \$32,892,382

Cost	Award Fee	Total	
\$ 9,416	651	\$ 10,067	dc26
\$ 14,965	1,035	\$ 16,000	dc28
\$ 1,871	129	\$ 2,000	df23
\$ 13,124	1,876	\$ 15,000	dm42
\$ 13,468	932	\$ 14,400	dm49
\$ 46,765	3,235	\$ 50,000	dm49
\$ 27,311	1,889	\$ 29,200	dm32
\$ 73,638	5,096	\$ 78,734	da23

THIS MOD	\$ 200,558	14,843	\$ 215,401
PREVIOUS	\$ 30,679,469	1,997,512	\$ 32,676,981
TOTALS	\$ 30,880,027	2,012,355	\$ 32,892,382

NAS1-96014

Modification No. 120

Page 5 of 5

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 / 5
2. AMENDMENT/MODIFICATION NO. 121	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

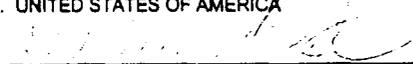
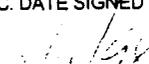
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding in the amount of \$316,453 (\$295,976 for cost and \$20,477 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$31,176,003. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,032,832 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DA.1082	99 R23845	52211710600	\$49,144	DF24	OBL/COMPLETE
DCM.1299	98 R23605	52225215000	\$9,012	DC26	OBL/COMPLETE
DCM.1299	98 R23606	52225215100	\$90,988	DC26	OBL/COMPLETE
DCO.1184	99 R20708	505641258	25,000	DC23	OBL/COMPLETE
DI.1219	98 R21892	52214210100	7,585	DI18	OBL/COMPLETE
DI.1220	98 R21537	96221230100	8,912	DI21	OBL/COMPLETE
DI.1220	98 R21679	96221005000	\$32	DI21	OBL/COMPLETE
DI.1221	98 R21770	53804130200	\$20,880	DI.20	OBL/COMPLETE
DI.1222	99 R21838	52214210200	\$20,000	DI.01	OBL/COMPLETE
DI.1223	99 R21874	52224210300	\$25,500	DI.13	OBL/COMPLETE
DI.1224	99 R23811	52214210300	\$17,000	DI.18	OBL/COMPLETE
DIG.1307	98 R21770	53804130200	\$7,400	DI.20	OBL/COMPLETE
IA.1077	98 H15181	53709202200	\$25,000	DS12	OBL/COMPLETE
IA.1077	98 H15252	53709202500	\$10,000	DS12	OBL/COMPLETE

TOTAL \$316,453

CONTRACT TABULATION

Through		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	1,228,360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957,148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679,374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1393672
Mod. No.	114	0	0	0	384,313
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Totals		\$ 41,438,672	\$ 2,864,882	\$ 44,303,554	\$ 33,208,835

Cost \$ 31,176,003
 Fee 2,032,832
 *Total \$33,208,835

	Cost	Award Fee	Total	
	\$ 45,963	3,181	\$ 49,144	df24
	\$ 93,530	6,470	\$ 100,000	dc26
	\$ 23,382	1,618	\$ 25,000	dc23
	\$ 7,094	491	\$ 7,585	di18
	\$ 8,366	578	\$ 8,944	di.21
	\$ 19,529	1,351	\$ 20,880	di.20
	\$ 18,706	1,294	\$ 20,000	di01
	\$ 23,850	1,650	\$ 25,500	di13
	\$ 15,900	1,100	\$ 17,000	
	\$ 6,921	479	\$ 7,400	
	\$ 32,735	2,265	\$ 35,000	DS12
THIS MOD	\$ 295,976	20,477	\$ 316,453	
PREVIOUS	\$ 30,880,027	2,012,355	\$ 32,892,382	
TOTALS	\$ 31,176,003	2,032,832	\$ 33,208,835	

NAS1-96014

Modification No. 121

Page 5 of 5

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 / 5
2. AMENDMENT/MODIFICATION NO. 122	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See pages 2 & 3	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See pages 2 and 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to increase the incremental funding in the amount of \$332,390 (\$310,883 for cost and \$21,507 for fee), and to remove the unearned fee of \$53,724 from the contract. The resultant change is an increase in the funded cost by \$310,883 and a decrease in the award fee by \$32,217. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$31,486,886. The above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,000,615 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Dorlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Dorlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10/16/98
(Signature of person authorized to sign)			

FILE

ACCOUNTING AND APPROPRIATION DATA

PR.NO.	PY JQ	RTR	Amount	Task No.	Status
DAC.1027	98 R23791	522241111	-\$1,622	DA02	DEOBL/COMPLETE
DAC.1028	98 R22948	538141201	-\$298	DA04	DEOBL/COMPLETE
DAE.1172	98 M3685	992200331	-\$1,748	DA06	DEOBL/COMPLETE
DAA.2012	98 R22942	538141401	-\$717	DA08	DEOBL/COMPLETE
DAE.1123	98 R23610	242821002	-\$631	DA09	DEOBL/COMPLETE
DAE.1127	98 R23842	906420055	-\$311	DA10	DEOBL/COMPLETE
DAA.1975	98 R22892	581101101	-\$373	DA11	DEOBL/COMPLETE
DAE.1243	98 M3692	992200331	-\$191	DA14	DEOBL/COMPLETE
DAA.1990	98 R22943	522223101	-\$276	DA15	DEOBL/COMPLETE
BA.1088	98 R23453	505905905	-\$1,903	DA16	DEOBL/COMPLETE
BA.1095	98 R23452	505905906	-\$1,596	DA17	DEOBL/COMPLETE
DCO.1173	98 R20895	538041111	-\$819	DC02	DEOBL/COMPLETE
DCO.1158	98 R19790	538041116	-\$158	DC03	DEOBL/COMPLETE
DCP.1207	98 R23403	548413101	-\$773	DC05	DEOBL/COMPLETE
DCP.1212	98 H15276	537082221	-\$953	DC06	DEOBL/COMPLETE
DCO.1155	98 R20896	538041117	-\$827	DC07	DEOBL/COMPLETE
DCL.1132	98 R23791	522241111	-\$483	DC08	DEOBL/COMPLETE
DCL.1118	98 R23026	522143104	-\$344	DC09	DEOBL/COMPLETE
DCM.1253	98 R22999	522224101	-\$517	DC11	DEOBL/COMPLETE
DCP.1127	98 H15276	537082221	-\$57	DC12	DEOBL/COMPLETE
DCK.1083	98 H15198	537072423	-\$1,394	DC14	DEOBL/COMPLETE
DCO.1127	98 R20896	538041117	-\$754	DC15	DEOBL/COMPLETE
DCK.1140	98 R22991	522351103	-\$578	DC19	DEOBL/COMPLETE
DCO.1174	98 R20896	538041117	-\$80	DC20	DEOBL/COMPLETE
DFB.3777	98 H2351S	538031501	-\$138	DF01	DEOBL/COMPLETE
DFC.3577	98 R22039	581202102	-\$773	DF-4	DEOBL/COMPLETE
DFC.3556	98 R22040	581203101	-\$2,368	DF05	DEOBL/COMPLETE
DFB.3838	98 H2321A	538031201	-\$99	DF06	DEOBL/COMPLETE
DFM.1281	98 R22978	522316101	-\$394	DF08	DEOBL/COMPLETE
DFB.3826	98 H2342S	538031401	-\$671	DF09	DEOBL/COMPLETE
DFM.1263	98 R22974	522316101	-\$452	DF11	DEOBL/COMPLETE
DFC.3413	98 H15180	537092121	-\$1,297	DF13	DEOBL/COMPLETE
DFL.1437	98 R22942	538141401	-\$133	DF15	DEOBL/COMPLETE
DFM.1190	97 R21743	538051401	-\$371	DF16	DEOBL/COMPLETE
DFL.1458	98 R22936	522316101	-\$281	DF17	DEOBL/COMPLETE
DFC.3616	98 H2313A	538031101	-\$87	DF18	DEOBL/COMPLETE
DAE.1226	98 R21828	522513110	-\$671	DG01	DEOBL/COMPLETE
DAB.1069	98 R22900	242800101	-\$386	DG02	DEOBL/COMPLETE
DAB.1094	98 R22913	242330104	-\$340	DG03	DEOBL/COMPLETE
DAF.0353	98 R21828	522513110	-\$1,479	DG04	DEOBL/COMPLETE
DI.1210	98 R21838	522142102	-\$462	DI01	DEOBL/COMPLETE
DIH.1435	98 R22638	963300150	-\$723	DI03	DEOBL/COMPLETE
DIG.1295	98 R21770	538041302	-\$1,320	DI04	DEOBL/COMPLETE
DI.1201	98 H15275	537082221	-\$474	DI06	DEOBL/COMPLETE
DI.1208	98 R22272	258702108	-\$377	DI08	DEOBL/COMPLETE
DI.1211	98 R21838	522142102	-\$309	DI09	DEOBL/COMPLETE
DIF.1192	98 R21898	522142101	-\$727	DI10	DEOBL/COMPLETE
DI.1212	98 R21838	522142102	-\$221	DI11	DEOBL/COMPLETE
DIF.1207	98 R22293	258702106	-\$544	DI12	DEOBL/COMPLETE
DI.1214	98 R23476	505645250	-\$1,819	DI13	DEOBL/COMPLETE
DI.1197	98 R21537	962212301	-\$334	DI14	DEOBL/COMPLETE
DII.1181	98 R23049	519501101	-\$573	DI16	DEOBL/COMPLETE

PR NO.	PY JQ	RTR	Amount	Task No.	Status
DMB.4977	98 H15189	537063220	-\$851	DM13	DEOBL/COMPLETE
DMF.5168	98 R22348	242723003	-\$1,132	DM15	DEOBL/COMPLETE
DMC.4886	98 R19571	538021001	-\$126	DM21	DEOBL/COMPLETE
DMF.5199	98 R22968	538131103	-\$613	DM28	DEOBL/COMPLETE
DMF.5148	98 R19572	538021101	-\$180	DM29	DEOBL/COMPLETE
DMC.4761	97 R21816	538101105	-\$426	DM30	DEOBL/COMPLETE
DMC.4855	98 R20236	297400001	-\$266	DM31	DEOBL/COMPLETE
DMF.5245	98 R22229	323780104	-\$964	DM32	DEOBL/COMPLETE
DME.2479	98 H15303	537063220	-\$3,931	DM33	DEOBL/COMPLETE
DMC.4825	98 H15190	537063320	-\$297	DM34	DEOBL/COMPLETE
DMC.4855	98 R22989	522126101	-\$430	DM35	DEOBL/COMPLETE
DMF.5159	98 R22968	538131103	-\$269	DM36	DEOBL/COMPLETE
DMF.5128	98 H15190	538063320	-\$230	DM37	DEOBL/COMPLETE
DMH.1514	98 R21887	522321102	-\$355	DM39	DEOBL/COMPLETE
DMF.5162	98 R19572	538021101	-\$1,135	DM40	DEOBL/COMPLETE
DMF.5143	98 R23674	242231013	-\$150	DM41	DEOBL/COMPLETE
DMC.4866	98 R23215	522315102	-\$100	DM46	DEOBL/COMPLETE
DMF.5222	98 T23324	251300727	-\$77	DM47	DEOBL/COMPLETE
DME.2531	98 H15188	537063120	-\$378	DM49	DEOBL/COMPLETE
DMF.5253	98 R23561	522181150	-\$29	DM50	DEOBL/COMPLETE
DMF.5261	98 R23339	505641386	-\$103	DM51	DEOBL/COMPLETE
DIG.1224	97 R21838	522142102	-\$283	DOO0	DEOBL/COMPLETE
L.1003	98 R21858	522517110	-\$359	DOO1	DEOBL/COMPLETE
DSK.1165	98 R19736	509101103	-\$286	DS02	DEOBL/COMPLETE
DSD.1546	98 H15193	537063620	-\$602	DS03	DEOBL/COMPLETE
DSL.1371	98 H15191	530763420	-\$1,615	DS05	DEOBL/COMPLETE
DSK.1179	98 R19736	509101103	-\$129	DS07	DEOBL/COMPLETE
DSK.1180	98 R23021	632101405	-\$131	DS08	DEOBL/COMPLETE
DSI.1748	98 R22625	896100001	-\$2,374	DS09	DEOBL/COMPLETE
DSI.1812	98 R21889	529101101	-\$214	DS10	DEOBL/COMPLETE
DSI.1732	98 H15284	537063520	-\$286	DS11	DEOBL/COMPLETE
DSK.1216	98 H15252	537092025	-\$77	DS12	DEOBL/COMPLETE
DSL.1379	98 H15191	537063420	-\$100	DS15	DEOBL/COMPLETE
DCK.1151	99 H15198	53707242300	\$40,000	DC25	OBL/COMPLETE
DCK.1151	99 H15264	53708242100	\$15,000	DC25	OBL/COMPLETE
DCK.1151	99 H15268	53708232100	\$20,000	DC25	OBL/COMPLETE
DCK.1151	99 H15276	53708222100	\$5,000	DC25	OBL/COMPLETE
DIG.1308	99 R23739	57602130200	\$20,000	DI20	OBL/COMPLETE
DI.1225	99 R22965	52235210100	\$20,000	DI09	OBL/COMPLETE
DI.1226	99 R21838	52214210200	\$13,000	DI11	OBL/COMPLETE
DMF.5265	98 R22823	24233011200	\$31,550	DM54	OBL/COMPLETE
DMF.5266	99 H15190	53706332000	\$20,000	DM52	OBL/COMPLETE
DMF.5267	99 R23800	53813120200	\$78,581	DM43	OBL/COMPLETE
DMF.5268	99 R23800	53813120200	\$69,259	DM45	OBL/COMPLETE
			\$278,666		

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226
Mod. No.	53	0	0	0	0

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Mod. No.	122	0	0	0	278666

Totals \$ 41,438,672 2864882 \$ 44,303,554 \$ 33,487,501

Cost \$31,486,886
 Fee \$2,000,615
 *Total \$33,487,501

Cost	Award Fee	Total	
\$ -	-53,724 \$	(53,724)	unearned fee
\$ 74,824	5,176 \$	80,000	DC25
\$ 18,706	1,294 \$	20,000	DI20
\$ 18,706	1,294 \$	20,000	DI09
\$ 12,159	841 \$	13,000	DI11
\$ 29,509	2,041 \$	31,550	DM54
\$ 18,706	1,294 \$	20,000	DM52
\$ 73,497	5,084 \$	78,581	DM43
\$ 64,776	4,483 \$	69,259	DM45

THIS MOD \$ 310,883 -32,217 \$ 278,666
 PREVIOUS \$ 31,176,003 2,032,832 \$ 33,208,835
 TOTALS \$ 31,486,886 2,000,615 \$ 33,487,501

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 123	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO: (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

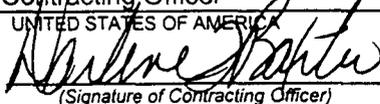
The purpose of this modification is to increase the incremental funding in the amount of \$402,261 (\$371,375 for cost and \$30,886 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$31,858,261. the above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,031,501 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 10/30/98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DAA.2031	98 R9968	50559874800	\$22	DA18	OBL/COMPLETE
DAA.2031	99 R22892	58110110100	\$32,703	DA18	OBL/COMPLETE
DAA.2031	98 R9970	50559874900	\$3,275	DA18	OBL/COMPLETE
DCO.1174	98 R20708	505641258	\$30,000	DC20	OBL/COMPLETE
DCO.1188	98 R20708	505641258	\$70,000	DC27	OBL/COMPLETE
DFB.3858	99 H2342S	53803140100	\$16,791	DF23	OBL/COMPLETE
DFC.3595	98 H15180	53709212100	-\$75,000	DF13	DEOBL/COMPLETE
DI.1227	99 M1878	99235150400	20000	DI18	OBL/COMPLETE
DI.1228	99 R22293	25870210600	20000	DI12	OBL/COMPLETE
DI.1229	99 R22264	25870210600	15000	DI22	OBL/COMPLETE
DI.1232	99 R23049	51950110100	\$10,000	DI16	OBL/COMPLETE
DMB.4794	96 H15189	53706322000	-\$117	DM17	DEOBL/COMPLETE
DMC.4911	99 H15190	53706332000	\$15,304	DM53	OBL/COMPLETE
DMC.4914	98 R23011	52218110100	\$94,283	DM46	OBL/COMPLETE
DME.2532	98 R23501	24233012900	\$50,000	DM49	OBL/COMPLETE
DME.2532	98 R23876	24223201100	\$50,000	DM49	OBL/COMPLETE
DMF.5270	99 R22967	52218110300	\$30,000	DM51	OBL/COMPLETE
DSD.1610	99 H15305	53706362000	\$20,000	DS14	OBL/COMPLETE
		TOTAL	\$402,261		

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679,374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1,393,672
Mod. No. 114	0	0	0	384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Mod. No.	122	0	0	0	278666
Mod. No.	123	0	0	0	402261
Totals		\$ 41,438,672	2864882 \$	44,303,554 \$	33,889,762

Cost \$31,858,261
 Fee \$2,031,501
 *Total \$33,889,762

	Cost	Award Fee	Total	
\$	33,671	2,329	\$ 36,000	DA18
\$	28,059	1,941	\$ 30,000	DC20
\$	65,471	4,529	\$ 70,000	DC27
\$	15,705	1,086	\$ 16,791	DF23
\$	(75,000)	0	\$ (75,000)	DF13
\$	9,353	647	\$ 10,000	DI16
\$	(117)	0	\$ (117)	DM17
\$	14,314	990	\$ 15,304	DM53
\$	88,183	6,100	\$ 94,283	DM46
\$	93,530	6,470	\$ 100,000	DM49
\$	28,059	1,941	\$ 30,000	DM51
\$	18,706	1,294	\$ 20,000	DS14
\$	18,706	1,294	\$ 20,000	DI12
\$	14,029	971	\$ 15,000	DI22
\$	18,706	1,294	\$ 20,000	DI18
THIS MOD	\$ 371,375	30,886	\$ 402,261	
PREVIOUS	\$ 31,486,886	2,000,615	\$ 33,487,501	
TOTALS	\$ 31,858,261	2,031,501	\$ 33,889,762	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT CODE	PAGE OF PAGES 1 / 5
2. AMENDMENT/MODIFICATION NO. 124	3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding in the amount of \$1,973,725 (\$1,845,322 for cost and \$128,403 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$33,703,583 the above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,159,904 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11/6/98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DAA.2033	99 R22942	53814140100	\$89,502	DA08	OBL/COMPLETE
DAE.1258	99 R21827	52251312000	\$100,000	DG01	OBL/COMPLETE
DAF.0386	99 R21828	52251311000	\$165,000	DA20	OBL/COMPLETE
DCP.1259	99 R22885	52214110300	116000	DC24	OBL/PARTIAL
DCP.1259	99 R23403	54841310100	97284	DC24	OBL/PARTIAL
DCP.1260	99 R22885	52214110300	76518	DC22	OBL/PARTIAL
DCO.1184	99 R23815	576021111	120000	DC23	OBL/COMPLETE
DCO.1176	99 R22885	52214110300	28000	DC21	OBL/COMPLETE
DFB.3859	99 H15278	53705210100	15000	DF19	OBL/COMPLETE
DFB.3859	99 H2321A	53803120100	30000	DF19	OBL/COMPLETE
DFB.3859	99 R22187	53803130200	15000	DF19	OBL/COMPLETE
DFB.3859	99 R23734	57603142100	30000	DF19	OBL/COMPLETE
DFB.3859	99 R22040	58120310100	30000	DF19	OBL/COMPLETE
DFC.3658	99 H2313A	53803110100	11441	DF18	OBL/COMPLETE
DFC.3659	99 R23735	57603141000	70000	DF22	OBL/PARTIAL
DI.1230	99 R21892	52214210100	\$25,000	DI18	OBL/COMPLETE
DI.1231	99 R21874	52224210300	\$120,000	DI13	OBL/COMPLETE
DME.2534	99 R23929	52212510400	\$300,000	DM49	OBL/COMPLETE
DMF.5245	99 R22229	323780104	60000	DM32	OBL/COMPLETE
DSL.1399	99 H15191	53706342000	\$50,000	DS15	OBL/COMPLETE
DSL.1399	99 R23674	24223101300	\$200,000	DS15	OBL/COMPLETE
DSL.1399	99 R23673	24223101200	\$25,000	DS15	OBL/COMPLETE
DSL.1399	99 R23554	24233012900	\$200,000	DS15	OBL/COMPLETE
dmc.4636	96 R20954	50563101000	-\$20	DM04	DEOB/COMPLETE
			\$1,973,725		

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360 \$	18,993,443 \$	2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Mod. No.	122	0	0	0	278666
Mod. No.	123	0	0	0	402261
Mod. No.	124	0	0	0	1973725
Totals		\$ 41,438,672	2864882 \$	44,303,554 \$	35,863,487

Cost \$33,703,583
 Fee \$2,159,904
 *Total \$35,863,487

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$	93,530	6,470	\$ 100,000	DG01
\$	154,324	10,676	\$ 165,000	DA20
\$	23,382	1,618	\$ 25,000	DI18
\$	112,236	7,764	\$ 120,000	DI13
\$	280,590	19,410	\$ 300,000	DM49
\$	444,267	30,733	\$ 475,000	DS15
\$	26,188	1,812	\$ 28,000	DC21
\$	83,229	6,273	\$ 89,502	DA08
\$	71,565	4,953	\$ 76,518	DC22
\$	112,236	7,764	\$ 120,000	DF19
\$	10,485	956	\$ 11,441	DF18
\$	65,471	4,529	\$ 70,000	DF22
\$	56,118	3,882	\$ 60,000	DM32
\$	199,485	13,799	\$ 213,284	DC24
\$	112,236	7,764	\$ 120,000	DC23
\$	(20)	0	\$ (20)	DM04
THIS MOD	\$ 1,845,322	\$ 128,403	\$ 1,973,725	
PREVIOUS	\$ 31,858,261	2,031,501	\$ 33,889,762	
TOTALS	\$ 33,703,583	2,159,904	\$ 35,863,487	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRA. CODE		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 125	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

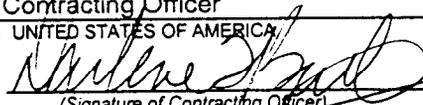
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding in the amount of \$782,189 (\$725,063 for cost and \$57,126 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$34,428,646 the above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,217,030 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 11/14/98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAB.1112	99 R22900	24280010100	\$66,454	DG03	OBL/COMPLETE
DAB.1114	99 R22900	24280010100	\$68,092	DA19	OBL/COMPLETE
DCK.1153	99 R22991	52235110300	28618	DC19	OBL/COMPLETE
DFB.3864	99 H2342S	53803140100	9025	DF09	OBL/COMPLETE
DFB.3865	99 H2342S	53803140100	100000	DF26	OBL/COMPLETE
DI.1236	99 R22293	25870210600	25000	DI12	OBL/COMPLETE
DI.1234	99 R23739	57602130200	275000	DI20	OBL/COMPLETE
DI.1235	99 R21838	52214210200	50000	DI01	OBL/COMPLETE
DMB.5087	98 H15189	53706322000	35000	DM48	OBL/COMPLETE
DMB.5087	99 H15189	53706322000	65000	DM48	OBL/COMPLETE
DMF.5276	99 T23326	25130071100	60000	DM47	OBL/COMPLETE

\$782,189

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAE	Funding
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Mod. No.	122	0	0	0	278666
Mod. No.	123	0	0	0	402261
Mod. No.	124	0	0	0	1973725
Mod. No.	125	0	0	0	782189

Totals		\$ 41,438,672	2864882	\$ 44,303,554	\$ 36,645,676
		Cost	\$34,428,646		
		Fee	\$2,217,030		
		*Total	\$36,645,676		

	Cost	Award Fee	Total	
\$	61,385	5,069	\$ 66,454	dg03
\$	63,684	4,408	\$ 68,092	da19
\$	257,007	17,993	\$ 275,000	di20
\$	46,765	3,235	\$ 50,000	di01
\$	93,530	6,470	\$ 100,000	dm48
\$	56,118	3,882	\$ 60,000	dm47
\$	26,221	2,397	\$ 28,618	dc19
\$	6,790	2,235	\$ 9,025	DF09
\$	93,530	6,470	\$ 100,000	DF26
\$	20,033	4,967	\$ 25,000	DI12

THIS MOD	\$ 725,063	\$ 57,126	\$ 782,189
PREVIOUS	\$ 33,703,583	2,159,904	\$ 35,863,487
TOTALS	\$ 34,428,646	2,217,030	\$ 36,645,676

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRA CODE	PAGE OF PAGES 1 5
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2. AMENDMENT/MODIFICATION NO. 126	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

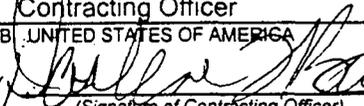
The purpose of this modification is to increase the incremental funding in the amount of \$737,346 (\$688,760 for cost and \$48,586 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$35,117,406 the above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,265,616 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 11/24/98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR. NO.</u>	<u>PY JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DI.1233	99 M1878	99235150400	\$30,000	DI18	OBL/COMPLETE
DSK.1242	99 R19736	50910110300	\$20,000	DS13	OBL/COMPLETE
DSK.1242	99 R23009	52231710100	15000	DS13	OBL/COMPLETE
DSK.1242	99 R23021	63210140500	18078	DS13	OBL/COMPLETE
DSI.1864	99 H15192	53706352000	231270	DS09	OBL/COMPLETE
DSI.1864	99 R22987	52218310100	70000	DS09	OBL/COMPLETE
DSI.1864	99 R23054	52218110200	160000	DS09	OBL/COMPLETE
DSI.1864	99 R22983	53813110600	30000	DS09	OBL/COMPLETE
DSI.1864	98 R22836	52211410100	40000	DS09	OBL/COMPLETE
DSI.1864	99 R23830	53813120400	50000	DS09	OBL/COMPLETE
DSI.1864	99 R23831	53813120300	70000	DS09	OBL/COMPLETE
DSI.1865	99 H15192	53706352000	2998	DS11	OBL/COMPLETE

\$737,346

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0
Mod. No. 54	0	0	0	321,700
Mod. No. 55	0	0	0	90,000
Mod. No. 56	0	0	0	82,268
Mod. No. 57	0	0	0	158,025
Mod. No. 58	0	0	0	337,539
Mod. No. 59	0	0	0	72,177
Mod. No. 60	0	0	0	137,790
Mod. No. 61	0	0	0	68,241
Mod. No. 62	0	0	0	163,252
Mod. No. 63	0	0	0	212,523
Mod. No. 64	0	0	0	5,000
Mod. No. 65	0	0	0	161,000
Mod. No. 66	0	0	0	(1,500)
Mod. No. 67	0	0	0	25,012
Mod. No. 68	0	0	0	81,617
Mod. No. 70	0	0	0	42,500
Mod. No. 71	0	0	0	170,400
Mod. No. 72	0	0	0	137,450
Mod. No. 73	0	0	0	17,017
Mod. No. 74	0	0	0	(219,587)
Mod. No. 75	0	0	0	53,105
Mod. No. 76	0	0	0	84,000
Mod. No. 77	0	0	0	26,000
Mod. No. 78	0	0	0	59,923
Mod. No. 79	0	0	0	111,200
Mod. No. 80	0	0	0	45,000
Mod. No. 81	0	0	0	228,268
Mod. No. 82	0	0	0	116,081
Mod. No. 83	0	0	0	54,756
Mod. No. 84	0	0	0	358,138
Mod. No. 85	0	0	0	626,792
Mod. No. 86	0	0	0	172,534
Mod. No. 87	0	0	0	1,489,768
Mod. No. 88	0	0	0	261,615
Mod. No. 89	0	0	0	432,103
Mod. No. 90	0	0	0	654,540
Mod. No. 91	0	0	0	385,962
Mod. No. 92	0	0	0	223,773
Mod. No. 93	0	0	0	690,943
Mod. No. 94	0	0	0	393,792
Mod. No. 95	0	0	0	414,946
Mod. No. 96	0	0	0	211,276
Mod. No. 97	0	0	0	361,112
Mod. No. 98	0	0	0	205,292
Mod. No. 99	0	0	0	266,333
Mod. No. 100	0	0	0	119,291
Mod. No. 101	0	0	0	0
Mod. No. 102	0	0	0	251,928
Mod. No. 103	9,828,545	679374	10,507,919	210,774
Mod. No. 104	0	0	0	121,964
Mod. No. 105	0	0	0	33,512
Mod. No. 106	0	0	0	842,780
Mod. No. 107	0	0	0	442,761
Mod. No. 108	0	0	0	362,407
Mod. No. 109	0	0	0	167,861
Mod. No. 110	0	0	0	267,166
Mod. No. 111	0	0	0	294,021
Mod. No. 112	0	0	0	938,221
Mod. No. 113	0	0	0	1393672
Mod. No. 114	0	0	0	384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	389519
Mod. No.	116	0	0	0	0
Mod. No.	117	0	0	0	223441
Mod. No.	118	0	0	0	-60583
Mod. No.	119	0	0	0	-71323
Mod. No.	120	0	0	0	215401
Mod. No.	121	0	0	0	316453
Mod. No.	122	0	0	0	278666
Mod. No.	123	0	0	0	402261
Mod. No.	124	0	0	0	1973725
Mod. No.	125	0	0	0	782,189
Mod. No.	126	0	0	0	737,346
Totals		\$ 41,438,672	2864882	\$ 44,303,554	\$ 37,383,022
		Cost	\$35,117,406		
		Fee	\$2,265,616		
		*Total	\$37,383,022		

	Cost	Award Fee	Total	
\$	49,643	3,435	\$ 53,078	ds13
\$	609,133	42,137	\$ 651,270	ds09
\$	28,059	1,941	\$ 30,000	di18
\$	1,925	1,073	\$ 2,998	ds11

THIS MOD	\$	688,760	\$	48,586	\$	737,346
PREVIOUS	\$	34,428,646		2,217,030	\$	36,645,676
TOTALS	\$	35,117,406		2,265,616	\$	37,383,022

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 127		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

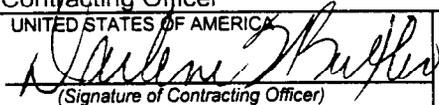
The purpose of this modification is to increase the incremental funding in the amount of \$1,350,126 (\$1,255,931 for cost and \$94,195 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$36,373,337 the above allotment covers the following period of performance: July 1, 1996 through June 30, 1999.

An additional amount of \$2,359,811 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Darlene T. Baxter Contracting Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 12/4/98

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY JO	RTR	Amount	Task No.	Status
DAC.1076	98 R22914	24234010200	9,500	DA21	OBL/COMPLETE
DAC.1076	99 H15347	53707500200	40,000	DA21	OBL/COMPLETE
DAC.1076	99 R22899	24234010100	15,100	DA21	OBL/COMPLETE
DAC.1076	99 R23826	52225311800	17,400	DA21	OBL/COMPLETE
DAC.1076	99 R23766	53814120100	50,000	DA21	OBL/COMPLETE
DAC.1076	99 R23175	52222310100	9,472	DA21	OBL/COMPLETE
DAE.1270	99 M3685	99220033100	400,000	DA06	OBL/COMPLETE
DAE.1267	99 H15334	53707500300	30,000	DA09	OBL/COMPLETE
DAE.1267	99 R23746	57603442600	30,000	DA09	OBL/COMPLETE
DAE.1267	99 R23915	52225410300	30,000	DA09	OBL/COMPLETE
DAE.1267	99 H15336	53707500300	40,000	DA09	OBL/COMPLETE
DAE.1267	99 R23916	52225410300	21,263	DA09	OBL/COMPLETE
DAE.1268	99 H15335	53707500300	25,000	DA10	OBL/COMPLETE
DAE.1268	99 R23914	52225410300	27,000	DA10	OBL/COMPLETE
DAE.1268	99 R23917	52225410300	31,651	DA10	OBL/COMPLETE
DFM.1299	99 R22974	52231610100	20,000	DF25	OBL/COMPLETE
DFM.1299	99 R23063	52231810300	29,563	DF25	OBL/COMPLETE
DI.1200	98 R21679	96221005000	-11,000	DI03	DEOBL/COMPLETE
DI.1237	98 R22638	96330015000	17,084	DI17	OBL/COMPLETE
DI.1237	99 R24024	10145015000	46,916	DI17	OBL/COMPLETE
DI.1238	99 R22271	25870210700	16,000	DI22	OBL/COMPLETE
DI.1238	99 R23923	25870211800	8,000	DI22	OBL/COMPLETE
DIH.1471	99 H15310	53708413000	108,177	DI19	OBL/COMPLETE
DIH.1471	99 R23904	54881110400	104,000	DI19	OBL/COMPLETE
DMF.5278	98 R22823	24233011200	3,800	DM54	OBL/COMPLETE
DMF.5278	99 R22823	24233011200	96,200	DM54	OBL/COMPLETE
DMF.5279	99 R22967	52218110300	100,000	DM51	OBL/COMPLETE
DSD.1610	99 H15305	537063620	35,000	DS14	OBL/COMPLETE

1,350,126

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	53	0	0	0	0
Mod. No.	54	0	0	0	321,700
Mod. No.	55	0	0	0	90,000
Mod. No.	56	0	0	0	82,268
Mod. No.	57	0	0	0	158,025
Mod. No.	58	0	0	0	337,539
Mod. No.	59	0	0	0	72,177
Mod. No.	60	0	0	0	137,790
Mod. No.	61	0	0	0	68,241
Mod. No.	62	0	0	0	163,252
Mod. No.	63	0	0	0	212,523
Mod. No.	64	0	0	0	5,000
Mod. No.	65	0	0	0	161,000
Mod. No.	66	0	0	0	(1,500)
Mod. No.	67	0	0	0	25,012
Mod. No.	68	0	0	0	81,617
Mod. No.	70	0	0	0	42,500
Mod. No.	71	0	0	0	170,400
Mod. No.	72	0	0	0	137,450
Mod. No.	73	0	0	0	17,017
Mod. No.	74	0	0	0	(219,587)
Mod. No.	75	0	0	0	53,105
Mod. No.	76	0	0	0	84,000
Mod. No.	77	0	0	0	26,000
Mod. No.	78	0	0	0	59,923
Mod. No.	79	0	0	0	111,200
Mod. No.	80	0	0	0	45,000
Mod. No.	81	0	0	0	228,268
Mod. No.	82	0	0	0	116,081
Mod. No.	83	0	0	0	54,756
Mod. No.	84	0	0	0	358,138
Mod. No.	85	0	0	0	626,792
Mod. No.	86	0	0	0	172,534
Mod. No.	87	0	0	0	1,489,768
Mod. No.	88	0	0	0	261,615
Mod. No.	89	0	0	0	432,103
Mod. No.	90	0	0	0	654,540
Mod. No.	91	0	0	0	385,962
Mod. No.	92	0	0	0	223,773
Mod. No.	93	0	0	0	690,943
Mod. No.	94	0	0	0	393,792
Mod. No.	95	0	0	0	414,946
Mod. No.	96	0	0	0	211,276
Mod. No.	97	0	0	0	361,112
Mod. No.	98	0	0	0	205,292
Mod. No.	99	0	0	0	266,333
Mod. No.	100	0	0	0	119,291
Mod. No.	101	0	0	0	0
Mod. No.	102	0	0	0	251,928
Mod. No.	103	9,828,545	679374	10,507,919	210,774
Mod. No.	104	0	0	0	121,964
Mod. No.	105	0	0	0	33,512
Mod. No.	106	0	0	0	842,780
Mod. No.	107	0	0	0	442,761
Mod. No.	108	0	0	0	362,407
Mod. No.	109	0	0	0	167,861
Mod. No.	110	0	0	0	267,166
Mod. No.	111	0	0	0	294,021
Mod. No.	112	0	0	0	938,221
Mod. No.	113	0	0	0	1393672
Mod. No.	114	0	0	0	384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	389519
Mod. No. 116	0	0	0	0
Mod. No. 117	0	0	0	223441
Mod. No. 118	0	0	0	-60583
Mod. No. 119	0	0	0	-71323
Mod. No. 120	0	0	0	215401
Mod. No. 121	0	0	0	316453
Mod. No. 122	0	0	0	278666
Mod. No. 123	0	0	0	402261
Mod. No. 124	0	0	0	1973725
Mod. No. 125	0	0	0	782,189
Mod. No. 126	0	0	0	737,346
Mod. No. 127	0	0	0	1,350,126
Totals	\$ 41,438,672	2864882	\$ 44,303,554	\$ 38,733,148
	Cost	\$36,373,337		
	Fee	\$2,359,811		
	*Total	\$38,733,148		

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$	132,312	9,160	\$ 141,472	da21
\$	46,355	3,208	\$ 49,563	df25
\$	59,853	4,147	\$ 64,000	di17
\$	22,447	1,553	\$ 24,000	di22
\$	93,530	6,470	\$ 100,000	dm54
\$	93,530	6,470	\$ 100,000	dm51
\$	32,735	2,265	\$ 35,000	ds14
\$	135,889	15,374	\$ 151,263	DA09
\$	77,718	5,933	\$ 83,651	DA10
\$	(11,000)	0	\$ (11,000)	DI03
\$	198,442	13,735	\$ 212,177	DI19
\$	374,120	25,880	\$ 400,000	DA06

THIS MOD	\$ 1,255,931	\$ 94,195	\$ 1,350,126
PREVIOUS	\$ 35,117,406	2,265,616	\$ 37,383,022
TOTALS	\$ 36,373,337	2,359,811	\$ 38,733,148

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 128	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 3	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to exercise the Third Option Period and increase the incremental funding on the contract by \$207,337 (\$193,915 for cost and \$13,422 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under B.2—**ESTIMATED COST AND AWARD FEE**, revise to read as follows:

The estimated cost of this contract is \$48,296,125. The maximum available award fee is \$3,338,931. Total estimated cost and maximum award fee are \$51,635,056.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		David H. Jones Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY <i>David H. Jones</i> (Signature of Contracting Officer)	12-16-98

FILE COPY

B. Under Section B, B.4—CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clause, the total amount allotted by the Government to this contract is \$36,567,252. The above allotment covers the following period of performance July 1, 1996 through September 30, 2000.

“(b) An additional amount of \$2,373,233 is obligated under the contract for payment of fee”.

C. Under F.1—PERIOD OF PERFORMANCE, revise the period of performance to read 51 months from the effective date of this contract (7/1/96 through 9/30/2000).

D. Under H.4—OPTIONS, exercise the Third Option Period. There are no remaining Options.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCM.1294	98	R23838	52225116000	-\$2,193	DC28	<u>DEOBL/COMPLETE</u>
DI.1239	99	R22965	52235210100	\$50,000	DI09	OBL/COMPLETE
DI.1240	99	R21838	52214210200	\$51,657	DI11	OBL/COMPLETE
DMC.4911	99	H15190	537063320	48000	DM53	OBL/COMPLETE
DMC.4923	99	R23011	52218110100	57575	DM42	OBL/COMPLETE
DME.2538	98	R23516	24282200100	5000	DM49	OBL/COMPLETE
DMF.5276	99	T23326	25130071100	-19160	DM47	<u>DEOBL/COMPLETE</u>
DSI.1871	99	R21889	52910110100	\$16,458	DS10	OBL/COMPLETE

\$207,337

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$ 2,492,787
Mod. No.	1	0	0	0	1,700,026
Mod. No.	2	0	0	0	28,600
Mod. No.	3	0	0	0	112,000
Mod. No.	4	0	0	0	50,000
Mod. No.	5	0	0	0	(82,800)
Mod. No.	6	0	0	0	50,000
Mod. No.	7	0	0	0	(18,594)
Mod. No.	8	0	0	0	123,600
Mod. No.	9	0	0	0	66,345
Mod. No.	10	0	0	0	194,795
Mod. No.	11	0	0	0	82,000
Mod. No.	12	0	0	0	298,000
Mod. No.	13	0	0	0	832,608
Mod. No.	14	0	0	0	2,038,096
Mod. No.	15	0	0	0	1,147,292
Mod. No.	16	0	0	0	810,237
Mod. No.	17	0	0	0	1,346,484
Mod. No.	18	0	0	0	1,531,825
Mod. No.	19	0	0	0	334,753
Mod. No.	20	0	0	0	281,502
Mod. No.	21	0	0	0	86,747
Mod. No.	22	0	0	0	91,541
Mod. No.	23	0	0	0	49,802
Mod. No.	24	0	0	0	50,916
Mod. No.	25	0	0	0	5,948
Mod. No.	26	0	0	0	24,737
Mod. No.	27	13,845,044	957148	14,802,192	0
Mod. No.	28	0	0	0	174,099
Mod. No.	29	0	0	0	0
Mod. No.	30	0	0	0	673
Mod. No.	31	0	0	0	0
Mod. No.	32	0	0	0	200,000
Mod. No.	33	0	0	0	224,219
Mod. No.	34	0	0	0	35,618
Mod. No.	35	0	0	0	126,106
Mod. No.	36	0	0	0	111,685
Mod. No.	37	0	0	0	60,122
Mod. No.	38	0	0	0	151,000
Mod. No.	39	0	0	0	74,822
Mod. No.	40	0	0	0	40,000
Mod. No.	41	0	0	0	85,000
Mod. No.	42	0	0	0	286,761
Mod. No.	43	0	0	0	189,511
Mod. No.	44	0	0	0	83,000
Mod. No.	45	0	0	0	164,560
Mod. No.	46	0	0	0	84,081
Mod. No.	47	0	0	0	75,000
Mod. No.	48	0	0	0	54,635
Mod. No.	49	0	0	0	243,065
Mod. No.	50	0	0	0	26,988
Mod. No.	51	0	0	0	96,162
Mod. No.	52	0	0	0	59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0		0	0
Mod. No. 54	0		0	321,700
Mod. No. 55	0		0	90,000
Mod. No. 56	0		0	82,268
Mod. No. 57	0		0	158,025
Mod. No. 58	0		0	337,539
Mod. No. 59	0		0	72,177
Mod. No. 60	0		0	137,790
Mod. No. 61	0		0	68,241
Mod. No. 62	0		0	163,252
Mod. No. 63	0		0	212,523
Mod. No. 64	0		0	5,000
Mod. No. 65	0		0	161,000
Mod. No. 66	0		0	(1,500)
Mod. No. 67	0		0	25,012
Mod. No. 68	0		0	81,617
Mod. No. 70	0		0	42,500
Mod. No. 71	0		0	170,400
Mod. No. 72	0		0	137,450
Mod. No. 73	0		0	17,017
Mod. No. 74	0		0	(219,587)
Mod. No. 75	0		0	53,105
Mod. No. 76	0		0	84,000
Mod. No. 77	0		0	26,000
Mod. No. 78	0		0	59,923
Mod. No. 79	0		0	111,200
Mod. No. 80	0		0	45,000
Mod. No. 81	0		0	228,268
Mod. No. 82	0		0	116,081
Mod. No. 83	0		0	54,756
Mod. No. 84	0		0	358,138
Mod. No. 85	0		0	626,792
Mod. No. 86	0		0	172,534
Mod. No. 87	0		0	1,489,768
Mod. No. 88	0		0	261,615
Mod. No. 89	0		0	432,103
Mod. No. 90	0		0	654,540
Mod. No. 91	0		0	385,962
Mod. No. 92	0		0	223,773
Mod. No. 93	0		0	690,943
Mod. No. 94	0		0	393,792
Mod. No. 95	0		0	414,946
Mod. No. 96	0		0	211,276
Mod. No. 97	0		0	361,112
Mod. No. 98	0		0	205,292
Mod. No. 99	0		0	266,333
Mod. No. 100	0		0	119,291
Mod. No. 101	0		0	0
Mod. No. 102	0		0	251,928
Mod. No. 103	9,828,545	679374	10,507,919	210,774
Mod. No. 104	0		0	121,964
Mod. No. 105	0		0	33,512
Mod. No. 106	0		0	842,780
Mod. No. 107	0		0	442,761
Mod. No. 108	0		0	362,407
Mod. No. 109	0		0	167,861
Mod. No. 110	0		0	267,166
Mod. No. 111	0		0	294,021
Mod. No. 112	0 0		0	938,221
Mod. No. 113	0		0	1393672
Mod. No. 114	0		0	384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No. 115	0		0	0	389519
Mod. No. 116	0		0	0	0
Mod. No. 117	0		0	0	223441
Mod. No. 118	0		0	0	-60583
Mod. No. 119	0		0	0	-71323
Mod. No. 120	0		0	0	215401
Mod. No. 121	0		0	0	316453
Mod. No. 122	0		0	0	278666
Mod. No. 123	0		0	0	402261
Mod. No. 124	0		0	0	1973725
Mod. No. 125	0		0	0	782,189
Mod. No. 126	0		0	0	737,346
Mod. No. 127	0		0	0 \$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$	38,940,485

Cost \$36,567,252
 Fee \$2,373,233
 *Total \$38,940,485

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$ 46,765	3,235	\$ 50,000	di09
\$ 47,573	4,084	\$ 51,657	di11
\$ 15,392	1,066	\$ 16,458	ds10
-2,213	20	-2,193	DC28
44,893	3,107	48,000	DM53
4,676	324	5,000	DM49
54,753	2,822	57,575	DM42
-17,924	-1,236	-19,160	DM47

THIS MOD \$ 193,915 \$ 13,422 \$ 207,337
 PREVIOUS \$ 36,373,337 2,359,811 \$ 38,733,148
 TOTALS \$ 36,567,252 2,373,233 \$ 38,940,485

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 129	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

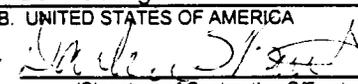
The purpose of this modification is to increase the incremental funding on the contract by \$469,922 (\$439,106 for cost and \$30,816 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$37,006,358. the above allotment covers the following period of performance:
July 1, 1996 through September 30, 2000.

An additional amount of \$2,404,049 is obligated under this contract for payment of fee."

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	12/22/98

ACCOUNTING AND APPROPRIATION DATA

<u>PR. NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAE.1269	99	M3692	99220033100	\$102,766	DA14	OBL/COMPLETE
DFB.3873	99	H2321S	53803120200	\$18,305	DF21	OBL/COMPLETE
DFC.3680	99	H2313A	53803110100	\$45,000	DF19	OBL/COMPLETE
DFC.3680	99	R22187	53803130200	\$50,000	DF19	OBL/COMPLETE
DFC.3680	99	R22040	58120310100	\$88,000	DF19	OBL/COMPLETE
DFC.3680	99	R23734	57603142100	\$45,000	DF19	OBL/COMPLETE
DFC.3680	99	H2321A	53803120100	\$90,000	DF19	OBL/COMPLETE
DFC.3680	99	R21931	52211210100	\$19,851	DF19	OBL/COMPLETE
DI.1241	98	R21679	96221005000	\$11,000	DI17	OBL/COMPLETE

\$469,922

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	1228360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAE	Funding	
Mod. No. 53	0		0	0	\$0
Mod. No. 54	0		0	0	\$321,700
Mod. No. 55	0		0	0	\$90,000
Mod. No. 56	0		0	0	\$82,268
Mod. No. 57	0		0	0	\$158,025
Mod. No. 58	0		0	0	\$337,539
Mod. No. 59	0		0	0	\$72,177
Mod. No. 60	0		0	0	\$137,790
Mod. No. 61	0		0	0	\$68,241
Mod. No. 62	0		0	0	\$163,252
Mod. No. 63	0		0	0	\$212,523
Mod. No. 64	0		0	0	\$5,000
Mod. No. 65	0		0	0	\$161,000
Mod. No. 66	0		0	0	-\$1,500
Mod. No. 67	0		0	0	\$25,012
Mod. No. 68	0		0	0	\$81,617
Mod. No. 70	0		0	0	\$42,500
Mod. No. 71	0		0	0	\$170,400
Mod. No. 72	0		0	0	\$137,450
Mod. No. 73	0		0	0	\$17,017
Mod. No. 74	0		0	0	-\$219,587
Mod. No. 75	0		0	0	\$53,105
Mod. No. 76	0		0	0	\$84,000
Mod. No. 77	0		0	0	\$26,000
Mod. No. 78	0		0	0	\$59,923
Mod. No. 79	0		0	0	\$111,200
Mod. No. 80	0		0	0	\$45,000
Mod. No. 81	0		0	0	\$228,268
Mod. No. 82	0		0	0	\$116,081
Mod. No. 83	0		0	0	\$54,756
Mod. No. 84	0		0	0	\$358,138
Mod. No. 85	0		0	0	\$626,792
Mod. No. 86	0		0	0	\$172,534
Mod. No. 87	0		0	0	\$1,489,768
Mod. No. 88	0		0	0	\$261,615
Mod. No. 89	0		0	0	\$432,103
Mod. No. 90	0		0	0	\$654,540
Mod. No. 91	0		0	0	\$385,962
Mod. No. 92	0		0	0	\$223,773
Mod. No. 93	0		0	0	\$690,943
Mod. No. 94	0		0	0	\$393,792
Mod. No. 95	0		0	0	\$414,946
Mod. No. 96	0		0	0	\$211,276
Mod. No. 97	0		0	0	\$361,112
Mod. No. 98	0		0	0	\$205,292
Mod. No. 99	0		0	0	\$266,333
Mod. No. 100	0		0	0	\$119,291
Mod. No. 101	0		0	0	\$0
Mod. No. 102	0		0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	0	\$210,774
Mod. No. 104	0		0	0	\$121,964
Mod. No. 105	0		0	0	\$33,512
Mod. No. 106	0		0	0	\$842,780
Mod. No. 107	0		0	0	\$442,761
Mod. No. 108	0		0	0	\$362,407
Mod. No. 109	0		0	0	\$167,861
Mod. No. 110	0		0	0	\$267,166
Mod. No. 111	0		0	0	\$294,021
Mod. No. 112	0		0	0	\$938,221
Mod. No. 113	0		0	0	\$1,393,672
Mod. No. 114	0		0	0	\$384,313

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$39,410,407

Cost \$37,006,358
 Fee \$2,404,049
 *Total \$39,410,407

Cost	Award Fee	Total
95,721	7,045	102,766 DA14
10,288	712	11,000 DI17
315,977	21,874	337,851 DF19
17,120	1,185	18,305 DF21

THIS MOD \$ 439,106 \$ 30,816 \$ 469,922
 PREVIOUS \$ 36,567,252 2,373,233 \$ 38,940,485
 TOTALS \$ 37,006,358 2,404,049 \$ 39,410,407

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 130	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

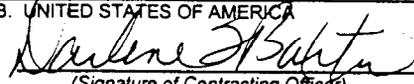
The purpose of this modification is to increase the incremental funding by the amount of \$412,597 (\$385,980 cost and \$26,617 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$37,392,338 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,430,666 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 11/8/99
(Signature of person authorized to sign)			

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

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ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFC.3680	99	R21931	52211210100	-\$561	DF19	DEOBL/COMPLETE
DFC.3681	99	H2331A	53803130100	\$90,000	DF20	OBL/COMPLETE
DI.1244	99	R22264	25870210600	\$75,000	DI13	OBL/COMPLETE
DI.1244	99	R22843	52211410200	\$30,000	DI13	OBL/COMPLETE
DI.1244	99	R23933	52224210600	\$50,000	DI13	OBL/COMPLETE
DI.1245	99	R23811	52214210300	\$142,077	DI18	OBL/COMPLETE
DI.1247	99	R24055	25880001000	\$16,081	DI22	OBL/COMPLETE
DME.2539	99	R24024	10145015000	\$10,000	DM49	OBL/COMPLETE

\$412,597

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679,374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$39,823,004

Cost	\$37,392,338
Fee	<u>\$2,430,666</u>
Total	\$39,823,004

Cost	Award Fee	Total
-\$524	-\$37	-\$561 DF19
\$84,177	\$5,823	\$90,000 DF20
\$144,971	\$10,029	\$155,000 DI13
\$132,963	\$9,114	\$142,077 DI18
\$9,353	\$647	\$10,000 DM49
\$15,040	\$1,041	\$16,081 DI22

THIS MOI	385,980	26,617	412,597
PREVIOUS	37,006,358	2,404,049	39,410,407
TOTALS	37,392,338	2,430,666	39,823,004

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 131	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

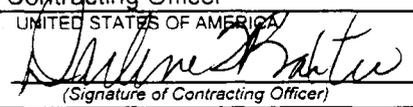
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding in the amount of \$500,533 (\$467,641 cost and \$32,892 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$37,859,979 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,463,558 is obligated under this contract for payment of fee".
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 1/14/99

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

PR.NO.	PY	JO	RTR	Amount	Task No.	Status
DCK.1158	99	R22991	52235110300	\$99,300	DC19	OBL/COMPLETE
DCL.1140	99	H15198	53707242300	\$20,000	DC29	OBL/COMPLETE
DCM.1316	99	R23002	52225410100	\$2,498	DC28	OBL/COMPLETE
DFL.1502	99	R22971	52231610100	\$89,883	DF27	OBL/COMPLETE
DMF.5245	99	R22229	323780104	\$100,000	DM32	OBL/COMPLETE
IA.1183	99	H15239	53709212400	\$36,000	DF20	OBL/COMPLETE
IA.1183	99	H15342	53709420100	\$14,000	DF20	OBL/COMPLETE
IA.1184	99	H15180	53709212100	\$36,000	DF20	OBL/COMPLETE
IA.1184	99	H15343	53709420200	\$14,000	DF20	OBL/COMPLETE
DSD.1629	99	H15340	53709410200	\$88,852	DS14	OBL/COMPLETE

\$500,533

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding	\$0
Mod. No.	53	0	0	0	0	\$0
Mod. No.	54	0	0	0	0	\$321,700
Mod. No.	55	0	0	0	0	\$90,000
Mod. No.	56	0	0	0	0	\$82,268
Mod. No.	57	0	0	0	0	\$158,025
Mod. No.	58	0	0	0	0	\$337,539
Mod. No.	59	0	0	0	0	\$72,177
Mod. No.	60	0	0	0	0	\$137,790
Mod. No.	61	0	0	0	0	\$68,241
Mod. No.	62	0	0	0	0	\$163,252
Mod. No.	63	0	0	0	0	\$212,523
Mod. No.	64	0	0	0	0	\$5,000
Mod. No.	65	0	0	0	0	\$161,000
Mod. No.	66	0	0	0	0	-\$1,500
Mod. No.	67	0	0	0	0	\$25,012
Mod. No.	68	0	0	0	0	\$81,617
Mod. No.	70	0	0	0	0	\$42,500
Mod. No.	71	0	0	0	0	\$170,400
Mod. No.	72	0	0	0	0	\$137,450
Mod. No.	73	0	0	0	0	\$17,017
Mod. No.	74	0	0	0	0	-\$219,587
Mod. No.	75	0	0	0	0	\$53,105
Mod. No.	76	0	0	0	0	\$84,000
Mod. No.	77	0	0	0	0	\$26,000
Mod. No.	78	0	0	0	0	\$59,923
Mod. No.	79	0	0	0	0	\$111,200
Mod. No.	80	0	0	0	0	\$45,000
Mod. No.	81	0	0	0	0	\$228,268
Mod. No.	82	0	0	0	0	\$116,081
Mod. No.	83	0	0	0	0	\$54,756
Mod. No.	84	0	0	0	0	\$358,138
Mod. No.	85	0	0	0	0	\$626,792
Mod. No.	86	0	0	0	0	\$172,534
Mod. No.	87	0	0	0	0	\$1,489,768
Mod. No.	88	0	0	0	0	\$261,615
Mod. No.	89	0	0	0	0	\$432,103
Mod. No.	90	0	0	0	0	\$654,540
Mod. No.	91	0	0	0	0	\$385,962
Mod. No.	92	0	0	0	0	\$223,773
Mod. No.	93	0	0	0	0	\$690,943
Mod. No.	94	0	0	0	0	\$393,792
Mod. No.	95	0	0	0	0	\$414,946
Mod. No.	96	0	0	0	0	\$211,276
Mod. No.	97	0	0	0	0	\$361,112
Mod. No.	98	0	0	0	0	\$205,292
Mod. No.	99	0	0	0	0	\$266,333
Mod. No.	100	0	0	0	0	\$119,291
Mod. No.	101	0	0	0	0	\$0
Mod. No.	102	0	0	0	0	\$251,928
Mod. No.	103	9,828,545	679374	10,507,919	0	\$210,774
Mod. No.	104	0	0	0	0	\$121,964
Mod. No.	105	0	0	0	0	\$33,512
Mod. No.	106	0	0	0	0	\$842,780
Mod. No.	107	0	0	0	0	\$442,761
Mod. No.	108	0	0	0	0	\$362,407
Mod. No.	109	0	0	0	0	\$167,861
Mod. No.	110	0	0	0	0	\$267,166
Mod. No.	111	0	0	0	0	\$294,021
Mod. No.	112	0	0	0	0	\$938,221
Mod. No.	113	0	0	0	0	\$1,393,672
Mod. No.	114	0	0	0	0	\$384,313

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAE	Funding
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$40,323,537

Cost	\$37,859,979
Fee	<u>\$2,463,558</u>
Total	\$40,323,537

Cost	Award Fee	Total
\$92,212	\$7,088	\$99,300 dc19
\$18,706	\$1,294	\$20,000 dc29
\$2,498	\$0	\$2,498 dc28
\$84,066	\$5,817	\$89,883 df27
\$93,530	\$6,470	\$100,000 dm32
\$46,765	\$3,235	\$50,000 df20
46765	3235	\$50,000 df20
\$ 83,099	5,753	\$88,852 ds14

THIS MOD	467,641	32,892	500,533
PREVIOUS	37,392,338	2,430,666	39,823,004
TOTALS	37,859,979	2,463,558	40,323,537

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
- "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$38,378,484 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.
- An additional amount of \$2,499,791 is obligated under this contract for payment of fee".
- B. Under Section C STATEMENT OF WORK – AEROSPACE RESEARCH AND TECHNOLOGY (ART), add paragraph 6.0 to read as follows:
- 6.0 YEAR 2000 COMPLIANCE
- (a) "Year 2000 compliant," as used herein, means that the information technology (hardware, software and firmware, including embedded systems or any other electro-mechanical or processor-based systems used in accordance with its associated documentation) accurately processes date and date-related data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology (IT), used in combination with the information technology being acquired, properly exchanges date and date-related data with it.
- (b) Any IT provided or maintained under this contract must be Year 2000 compliant. To ensure this result, the Contractor shall provide documentation describing how the IT items demonstrate Year 2000 compliance. Note that all current and closed tasks have been reviewed for Year 2000 compliance. Only tasks DA22, DC12, DC21, DS09, DS10, DS12, DS15, and DS17 contained IT items that require certification. No additional cost, or changes to the existing task order schedules is required to make the IT items under those tasks Year 2000 compliant. Task Order DS10 is being modified and the revision to the Task Order Plan takes into account Year 2000 certification requirements.
- Documentation and testing for Year 2000 compliance shall be based on complexity and the risk associated with the IT item. The Contractor shall use the documents "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" dated July 2, 1998 (available at <http://cio.larc.nasa.gov/y2k/>) and "NASA LaRC Y2K Guideline for Documentation and Testing Requirements" (Attachment 1 hereto) as guidance to establish the appropriate testing and documentation. The Contractor shall provide the "Contractor Y2K Compliance Verification Form" (Attachment 2 hereto) for each IT item/system provided or maintained under this contract.
- (c) Milestones for Renovation, Validation and Implementation: Any IT determined to be non-Year 2000 compliant shall be replaced, retired, or repaired in accordance with the following schedule:
- "Renovation" includes making and documenting software and hardware changes, developing replacement systems, and decommissioning systems to be retired. The Contractor must complete renovation of affected software, hardware, and firmware by September 30, 1998.
- "Validation" includes unit, integration, system, and end-to-end testing for Year 2000 compliance. The Contractor must complete validation and testing of converted or replaced systems by January 31, 1999;
- "Implementation" includes acceptance testing and integration of converted and replaced systems into a production environment. The Contractor must complete implementation by March 31, 1999.
- (d) At a minimum, the Contractor shall provide documentation, including project plans and status reports, which demonstrate that the Contractor is meeting the milestones listed above.
- C. Under paragraph 1.17—AWARD FEE FOR SERVICE CONTRACTS, page 4 (Attachment 3 hereto) is being revised to add Darlene T. Baxter as the Business Coordinator, and on page 8 (Attachment 4 hereto) is hereby being revised to add the Year 2000 compliance information to the Award Fee Evaluation Plan.

CONTRACTOR'S RELEASE STATEMENT

The contract's cost and fee and all other terms and conditions remain unchanged as a result of this modification. This Modification reflects a full and complete equitable adjustment for the SOW changes reflected herein. All future determination of IT on new work shall be identified in the task order and shall include provisions for cost and schedule to develop the documentation specified in C STATEMENT OF WORK – AEROSPACE RESEARCH AND TECHNOLOGY (ART), paragraph 6.0.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.2040	99	R22892	58110110100	\$32,000	DA18	OBL/COMPLETE
DAC.1079	99	R24138	53707511000	\$25,587	DA25	OBL/COMPLETE
DAC.1081	99	R23175	52222310100		19522 DA21	OBL/COMPLETE
DCK.1160	99	H15198	53707242300	\$100,000	DC25	OBL/COMPLETE
DCK.1160	99	H15309	53708413000	\$15,000	DC25	OBL/COMPLETE
DCK.1160	99	H15321	53708423000	\$60,000	DC25	OBL/COMPLETE
DCK.1160	99	15338	53709410100	\$44,970	DC25	OBL/COMPLETE
DI.1250	99	R24-55	23880001000	\$25,000	DI13	OBL/COMPLETE
DME.2540	99	R23006	52211480200		95000 DM49	OBL/COMPLETE
DMF.5289	99	R22823	24233011200		69715 DM55	OBL/COMPLETE
DMF.5291	99	H15325	53706473000	\$32,560	DM52	OBL/COMPLETE
DSI.1882	99	R21889	52910110100	\$35,384	DS10	OBL/COMPLETE

\$554,738

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	\$389,519
Mod. No.	116	0	0	0	\$0
Mod. No.	117	0	0	0	\$223,441
Mod. No.	118	0	0	0	-\$60,583
Mod. No.	119	0	0	0	-\$71,323
Mod. No.	120	0	0	0	\$215,401
Mod. No.	121	0	0	0	\$316,453
Mod. No.	122	0	0	0	\$278,666
Mod. No.	123	0	0	0	\$402,261
Mod. No.	124	0	0	0	\$1,973,725
Mod. No.	125	0	0	0	\$782,189
Mod. No.	126	0	0	0	\$737,346
Mod. No.	127	0	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No.	129	\$0	\$0	\$0	\$469,922
Mod. No.	130	0	0	0	\$412,597
Mod. No.	131	0	0	0	\$500,533
Mod. No.	132	0	0	0	\$554,738
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$40,878,275

Cost	\$38,378,484
Fee	\$2,499,791
Total	\$40,878,275

Cost	Award Fee	Total
\$29,930	\$2,070	\$32,000 da18
\$23,931	\$1,656	\$25,587 da25
\$205,730	\$14,240	\$219,970 dc25
\$23,382	\$1,618	\$25,000 di13
\$30,451	\$2,109	\$32,560 dm52
\$88,853	\$6,147	\$95,000 DM49
\$65,203	\$4,512	\$69,715 DM55
\$18,259	\$1,263	\$19,522 DA21
\$32,766	\$2,618	\$35,384 DS10

THIS MOD	518,505	36,233	554,738
PREVIOUS	37,859,979	2,463,558	40,323,537
TOTALS	38,378,484	2,499,791	40,878,275

Coordinators: (Non voting)

Technical Coordinator response for Technical performance, including SDB Performance of Work/Technical Management/Safety:

Frederick I. Staggs, Research and Technology Group

Business Coordinator responsible for Business Management/cost/Mentor-protégé Program Performance:

Darlene T. Baxter, Office of Procurement, Branch B

Monitors:

To be identified for each Task order. The contractor will be provided notice of these monitors for each Task order.

PART II EVALUATION PROCESS

The participants in the award fee process and the process itself are described in the flow chart in Exhibit A and the following paragraphs:

- A. Award Fee Board Meetings – The meetings will be scheduled so that the evaluation process can be completed and the Determination and Findings presented to the Fee Determination Official for action within 45 days following completion of the evaluation period. At least four voting Award Fee Board member shall be present in order to conduct the meeting.
- B. Award Fee Board Chairperson – A NASA Langley employee designated to lead the Award Fee evaluation process. The Chair is responsible for leading the preparation of the Award Fee Plan and for all Meetings of the Board. The Chair shall schedule all meetings so that the evaluation process can be completed within the time allotted. If the Award Fee Board Chair is unavailable to schedule and conduct the meeting, the Fee Determination Official shall appoint one of the other voting Members to serve as Chairperson for the Award Fee Evaluation period.
- C. Award Fee Board Secretary – A NASA Langley employee responsible for the documentation of the activities of the Board. The Secretary is responsible for the minutes of meetings or other documentation that summarizes the information reviewed, including any additional information provided by the contractor, and the consideration given to all such information.

performance and the conditions under which it was achieved. For example, performance will be considered in light of the priorities and workload existing during the evaluation period, taking into consideration factors beyond the Contractor's control, which either enhanced or detracted from performance.

- a. Technical Performance – The effectiveness of the Contractor's overall technical performance will be evaluated. Consideration will be given to timeliness, and efficiency. The primary basis of the evaluation will be the specific metrics listed in the individual task orders.
- B. Management – The effectiveness of the Contractor's overall management will be evaluated. Consideration will be given to :
 1. Technical – Recognition and resolution of technical problems; quality and timeliness of required routine operating reports and other technical documentation; extent, quality, and timeliness of corporate level support and assistance provided to the local staff; and any other factors relevant to technical management performance. **The Government will evaluate the Contractor's performance in achieving Year 2000 metrics, including cooperative efforts where more than one contractor shares responsibilities and/or interfaces with a system(s).**
 2. Business – Recognition and resolution of business problems; quality and timeliness of required documentation; cooperation and working relationships with Government personnel; methods and contributions toward avoidance of personal service; management of downsizing activities; compliance with contract terms and conditions; adequacy and soundness of Contractor management systems such as purchasing and subcontracting, time and attendance, efficiency in task order placement, and Government Property control; extent, quality, and timeliness of corporate level support and assistance provided to the local staff; and any other factors relevant to business management.

Both coordinators will consider any other actions, which significantly contribute to or detract from effective management.

- C. Cost – The effectiveness of the contractor's management of cost will be evaluated. Of paramount importance is the reasonableness of the cost incurred as compared to services rendered. This will include an analysis of total cost incurred compared to the planned cost for the same period. The analysis of incurred costs will address, by major cost elements, variances of actual cost from planned cost, with judgments made as to the reasons for variances and the effectiveness or wisdom of the Contractor's efforts to manage overall cost in a manner consistent with Government cost and funding limitations. Consideration will be given, as appropriate, to control of overhead and overtime, economies in the use of manpower and other resources, productivity achieved for the cost incurred, and the cost effectiveness of purchases made. In addition, the accuracy of cost tracking, reporting and forecasting will be evaluated.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 133	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	
6 ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7 ADMINISTERED BY (If other than Item 6)	CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

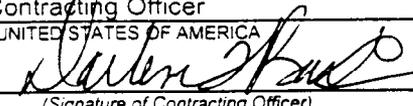
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
X	D. OTHER (Specify type of modification and authority) 1.17—AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76)(SEP 1993)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to authorize the payment of \$468,300 in earned award fee under the subject contract for the Fifth Award Fee period, and to adjust the Contract Schedule to reflect the available award fee pool for the period and the Earned award fee amount. Accordingly, the following changes are made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene A. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 2/8/99

A. Under B.3—AWARD FEE AVAILABILITY SCHEDULE, (LaRC 52.216-96)(MAR 1989), is hereby being revised as follows:

"The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>	<u>Earned Award Fee</u>	<u>Unearned Award Fee</u>
<u>Basic</u>			
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	\$519,041	\$437,300	\$81,741
<u>Option 1:</u>			
7/1/97 - 12/31/97	\$450,675	\$402,250	\$48,425
1/1/98 - 6/30/98	\$557,322	\$503,600	\$53,722
<u>Option 2:</u>			
7/1/98 - 12/31/98	\$504,627	\$468,300	\$36,327
1/1/99 - 6/30/99	TBD*	TBD*	TBD*
<u>Option 3:</u>			
7/1/99 - 12/31/99	TBD*	TBD*	TBD*
1/1/00 - 9/30/00	TBD*	TBD*	TBD*
TOTAL	\$2,512,266	\$2,212,750	\$299,516

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$468,300 shall be paid to the Contractor upon execution of this modification by the Contracting Officer for the Fifth Award Fee period.

4

ACCOUNTING AND APPROPRIATION DATA
PR NO. PY JO RTR

Amount

Task No.

Status

\$0

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	\$389,519
Mod. No.	116	0	0	0	\$0
Mod. No.	117	0	0	0	\$223,441
Mod. No.	118	0	0	0	-\$60,583
Mod. No.	119	0	0	0	-\$71,323
Mod. No.	120	0	0	0	\$215,401
Mod. No.	121	0	0	0	\$316,453
Mod. No.	122	0	0	0	\$278,666
Mod. No.	123	0	0	0	\$402,261
Mod. No.	124	0	0	0	\$1,973,725
Mod. No.	125	0	0	0	\$782,189
Mod. No.	126	0	0	0	\$737,346
Mod. No.	127	0	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No.	129	\$0	\$0	\$0	\$469,922
Mod. No.	130	0	0	0	\$412,597
Mod. No.	131	0	0	0	\$500,533
Mod. No.	132	0	0	0	\$554,738
Mod. No.	133	0	0	0	\$0
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$40,878,275

Cost	\$38,378,484
Fee	\$2,499,791
Total	\$40,878,275

Cost	Award Fee	Total
\$0	\$0	\$0

THIS MOD	\$0	\$0	\$0
PREVIOUS	\$38,378,484	\$2,499,791	\$40,878,275
TOTALS	\$38,378,484	\$2,499,791	\$40,878,275

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 134		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See page 4		5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001				7. ADMINISTERED BY (If other than Item 6)			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: G.3—1852.245-77 LIST OF INSTALLATION-ACCOUNTABLE PROPERTY AND SERVICES (JUL 1997)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the incremental funding in the amount of \$448,880 (\$419,838 for cost and \$29,042 for fee); delete clause G.3—LIST OF INSTALLATION-PROVIDED PROPERTY AND SERVICE, and add in its place G.3—1852.245-77LIST OF INSTALLATION-ACCOUNTABLE PROPERTY AND SERVICES; and to add G.7 to read 1852.245-71—INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY. Accordingly, the following changes are made to the Contract Schedule:

See pages 2 through 7

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) H. P. Haney Program Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>H. P. Haney</i> (Signature of person authorized to sign)	15C. DATE SIGNED 2/18/99	16B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> (Signature of Contracting Officer)	16C. DATE SIGNED 2-22-99

Handwritten: COPY

A. Under Section B. B.4 CONTRACT ADMINISTRATION DATA, delete B.4—LIST OF INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY AND SERVICES, and add in its place the following clause:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$38,798,322, this allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,528,833 is obligated under this contract for payment of fee.

B. Under Section G CONTRACT ADMINISTRATION DATA, delete G.3—LIST OF INSTALLATION-PROVIDED PROPERTY AND SERVICES, and add in its place the following clause:

G.3 1852.245-77 LIST OF INSTALLATION-ACCOUNTABLE PROPERTY AND SERVICES (JULY 1997)

In accordance with the clause at 1852.245-71, Installation-Accountable Government Property, the Contractor is authorized use of the types of property and services listed below, to the extent they are available, in the performance of this contract within the physical borders of the installation which may include buildings and space owned or directly leased by NASA in close proximity to the installation, if so designated by the Contracting Officer.

(a) Office space, work area space, and utilities. Government telephones are available for official purposes only; pay telephones are available for contractor employees for unofficial calls.

(b) General- and special-purpose equipment, including office furniture.

(1) Equipment to be made available is listed in Exhibit A. The Government retains accountability for this property under the clause at 1852.245-71, Installation-Accountable Government Property, regardless of its authorized location.

(2) If the Contractor acquires property, title to which vests in the Government pursuant to other provisions of this contract, this property also shall become accountable to the Government upon its entry into Government records as required by the clause at 1852.245-71, Installation-Accountable Government Property.

(3) The Contractor shall not bring to the installation for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.

(c) Supplies from stores stock.

(d) Publications and blank forms stocked by the installation.

(e) Safety and fire protection for Contractor personnel and facilities.

(f) Installation service facilities: "None".

(g) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.

(h) Cafeteria privileges for Contractor employees during normal operating hours.

(i) Building maintenance for facilities occupied by Contractor personnel.

(j) Moving and hauling for office moves, movement of large equipment, and delivery of supplies. Moving services shall be provided on-site, as approved by the Contracting Officer.

(k) The user responsibilities of the Contractor are defined in paragraph (a) of the clause at 1852.245-71, Installation-Accountable Government Property.

B. Under Section G CONTRACT ADMINISTRATION DATA, add the following clause:

G.7 1852.245-71 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (JUNE 1998)

(a) The Government property described in the clause at 1852.245-77, List of Installation-Accountable Property and Services, shall be made available to the Contractor on a no-charge basis for use in performance of this contract. This property shall be utilized only within the physical confines of the NASA installation that provided the property. Under this clause, the Government retains accountability for, and title to, the property, and the Contractor assumes the following user responsibilities:

In accordance with NASA Handbook NHB 4200.1 and NHB 4200.2:

1. The user shall sign NASA Form 1602 for each individual piece of equipment assigned for his/her use.

2. The user shall inform the NASA Property Custodian of any changes in location or user name and shall report immediately any property noted as missing.

3. The user shall prepare Langley Form 52 or Langley Form 141 and obtain the required signatures before removing any Government property from Langley Research Center.

The contractor shall establish and adhere to a system of written procedures for compliance with these user responsibilities. Such procedures must include holding employees liable, when appropriate, for loss, damage, or destruction of Government property.

(b)(1) The official accountable recordkeeping, physical inventory, financial control, and reporting of the property subject to this clause shall be retained by the Government and accomplished by the installation Supply and Equipment Management Officer (SEMO) and Financial Management Officer. If this contract provides for the contractor to acquire property, title to which will vest in the Government, the following additional procedures apply:

(i) The contractor's purchase order shall require the vendor to deliver the property to the installation central receiving area;

(ii) The contractor shall furnish a copy of each purchase order, prior to delivery by the vendor, to the installation central receiving area;

(iii) The contractor shall establish a record of the property as required by FAR 45.5 and 1845.5 and furnish to the Industrial Property Officer a DD Form 1149 Requisition and Invoice/Shipping Document (or installation equivalent) to transfer accountability to the Government within 5 working days after receipt of the property by the contractor. The contractor is accountable for all contractor-acquired property until the property is transferred to the Government's accountability.

(iv) Contractor use of Government property at an off-site location and off-site subcontractor use require advance approval of the contracting officer and notification of the SEMO. The contractor shall assume accountability and financial reporting responsibility for such property. The contractor shall establish records and property control procedures and maintain the property in accordance with the requirements of FAR Part 45.5 until its return to the installation.

(2) After transfer of accountability to the Government, the contractor shall continue to maintain such internal records as are necessary to execute the user responsibilities identified in paragraph (a) and document the acquisition, billing, and disposition of the property. These records and supporting documentation shall be made available, upon request, to the SEMO and any other authorized representatives of the contracting officer.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DFC.3697	99	R23735	57603141000	\$50,000	DF22	OBL/COMPLETE
DSI.1884	99	R23830	53813120400	\$8,000	DS09	OBL/COMPLETE
DSI.1884	99	H15329	53706493000	\$175,000	DS09	OBL/COMPLETE
DSI.1884	99	R23831	53813120300	\$25,000	DS09	OBL/COMPLETE
DSI.1884	99	R23902	27400991700	\$50,000	DS09	OBL/COMPLETE
DSI.1884	99	R22836	52211410100	\$10,880	DS09	OBL/COMPLETE
DSI.1884	99	R22987	52218310100	\$50,000	DS09	OBL/COMPLETE
DSI.1884	99	R22983	53813110600	\$40,000	DS09	OBL/COMPLETE
DSI.1884	99	R23054	52218110200	\$40,000	DS09	OBL/COMPLETE

\$448,880

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
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Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
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Mod. No. 71	0	0	0	\$170,400
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Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
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Mod. No. 85	0	0	0	\$626,792
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Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
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Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
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Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
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Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Mod. No. 132	0	0	0	\$554,738
Mod. No. 133	0	0	0	\$0
Mod. No. 134	0	0	0	\$448,880
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$41,327,155

Cost	\$38,798,322
Fee	\$2,528,833
Total	\$41,327,155

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>
\$46,765	\$3,235	\$50,000
\$373,073	\$25,807	\$398,880 DS09

THIS MOD	\$419,838	\$29,042	\$448,880
PREVIOUS	\$38,378,484	\$2,499,791	\$40,878,275
TOTALS	\$38,798,322	\$2,528,833	\$41,327,155

EXHIBIT A

INSTALLATION PROVIDED GOVERNMENT PROPERTY

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		G077663	DISK DRIVE UNIT PINNACLE MICRO INC	2126 RE0650	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 83169C 1990/09/17	1237T 100	3,319.
		1084073	CHASSIS, EXPANSION SIGMA INFORMATION SYSTEMS INC	4251 SA-H212D	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 94516C 1991/04/30	1237T 100	6,050.
		1085193	PRINTER, ADP HEWLETT-PACKARD CO	3048A74071 33449A	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 93708C 1991/04/19	1237T 100	1,557.
		1086379	DISPLAY UNIT HEWLETT-PACKARD CO	3117J07680 A1097A	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 95967C 1991/08/07	1237T 100	1,529.
		1086380	COMPUTER, MINI HEWLETT-PACKARD CO	6135A03504 1946-70686	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 95967C 1991/08/07	1237T 100	22,694.
		1089118	DISK DRIVE UNIT APPLE COMPUTER INC	SS13905N M3021	ABU-KHAJUEL, HASAN T STAGGS, FREDERICK L.,	L 99766C 1991/10/24	1237T 100	618.
		1084084	COMPUTER, MICRO J.C. COMPUTER WAREHOUSE	NONE CS810	ALTER, STEPHEN J. DIFULVIO, MICHAEL	L 94827C 1991/04/25	1251 221D	2,470.
		1084608	PRINTER, ADP HEWLETT-PACKARD CO	3040A18910 3630A	ALTER, STEPHEN J. DIFULVIO, MICHAEL	L 91125C 1991/03/19	1251 221B	928.
		1085889	DISPLAY UNIT MITSUBISHI ELECTRIC CORP	102003316 HL6935ATK	ALTER, STEPHEN J. DIFULVIO, MICHAEL	L 97879C 1991/06/26	1251 221D	2,189.
		G074037	CONTROLLER, POSITIONER AEROTECH INC F-CW RADIATION	EFK103-6/6 U1C-HM-A500	BAKER, NATHANIEL R. WODELL, GLENN A.,	L 72351C 1990/03/30	1202 107	1,375.
		G077696	READOUT, DIGITAL SONY CORP	995471 LM22S22R	BAKER, NATHANIEL R. WODELL, GLENN A.,	L 82818C 1991/08/05	1202 107	2,679.
		0020078	CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	18808 822	BAKER, NATHANIEL R. WODELL, GLENN A.,	L 42434C 1988/08/24	1202 107	1,345.
		0020077	CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	28808 822	BAKER, NATHANIEL R. WODELL, GLENN A.,	L 42434C 1988/08/24	1202 107	1,345.

E C N	NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
0020078		CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	38808 822	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1988/08/24	1202 .107	1,345.
0020932		CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	9007809-001-004 822/4-20MA/O/R5	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1980/08/01	1202 .107	1,670.
0020933		CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	9007809-001-003 822/4-20MA/O/R5	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1980/08/01	1202 .107	1,670.
0020934		CONTROLLER, TEMPERATURE EUROTHERM INT'L TURNBULL CTL	9007809-001-001 822/4-20MA/O/R5	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1990/08/01	1202 .107	1,670.
0054121		SYSTEM, DATA ACQUISITION KEITHLEY INSTRUMENTS INC	385227 500-500	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1988/02/28	1202 .107	5,080.
0058566		CONTROLLER, POSITIONER AEROTECH INC F-CW RADIATION	EFK103-115	BAKER, NATHANIEL R.	L 1988/10/17	1202 .107	2,099.
0140873		SYSTEM, DATA ACQUISITION KEITHLEY INSTRUMENTS INC	366595 500-500	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1987/05/22	1202 .107	1,800.
0221369		READOUT, DIGITAL SONY CORP	993704 LM22S22R	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1986/02/27	1296 .107	2,363.
0259020		DATA LOGGER FLUKE JOHN MFG CO INC	3990000 22808	BAKER, NATHANIEL R. WODELL, GLENN A.	L 1986/06/04	1202 .107	11,664.
1877600		COMPUTER, MICRO INTERLINK	NONE (VERIFIED) NONE (VERIFIED)	BAKER, NATHANIEL R. WODELL, GLENN A.	B 1988/08/01	1299 .110	1,710.
1741168		COMPUTER, MICRO GATEWAY 2000	0008421653 ATX TOWER	BARRY, JOHN S. WRIGHT, ANNIE P.	L 1987/01/22	1188 .119	4,251.
1159510		DISK DRIVE UNIT TOTAL TEC SYSTEMS INC	14315 H212D	BECKER, LAWRENCE E. CLARK, LORENZO R.	L 1993/01/25	1208 .111	3,843.
1180045		COMPUTER, MICRO DIGITAL EQUIPMENT CORP	AB3040614U VS49K-CD	BECKER, LAWRENCE E. CLARK, LORENZO R.	MAS 1 1993/02/17	1208 .111	10,473.

ECN	DESCRIPTION	SERIAL NO	USER NAME	ACQ DOCUMENT	BLDG	COST
NEW OLD	MANUFACTURER	MODEL NO	CUST NAME	ACQ DATE	ROOM	
1180046	DISPLAY UNIT SONY CORP	IS24652230 GDM1961	BECKER, LAWRENCE E. CLARK, LORENZO R.	NAS 1 19724 1993/02/12	1208 111	5,000.
1256585	DISK DRIVE UNIT DIGITAL EQUIPMENT CORP	4A30402073 RWZ01AA	BECKER, LAWRENCE E. CLARK, LORENZO R.	L 1993/07/26	1208 111	4,580.
0054495	PRINTER, ADP APPLE COMPUTER INC	F741118 M0188	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1988/03/23	1247B .117F	3,815.
0058202	RECORDER, TAPE, ANALOG BELL & HOWELL CO	457 MARS2000LT	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	LX 1988/09/14	88001 117F	36,451.
0141852	CONTROL, SEARCH, TAPE DATUM INC	1628 9241-715	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1987/07/14	19410C 117F	5,937.
0470083	GENERATOR, TIME CODE DATUM INC	655 9310MODIFIED	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1981/09/14	26307B .117F	3,558.
1092322	DISPLAY UNIT NEXT COMPUTER INC	Y2B002193 N4005	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1992/04/06	13247D .117F	2,728.
1092323	COMPUTER, MICRO NEXT COMPUTER INC	ABA0004486 N1000A	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1992/04/06	13247D .117F	10,355.
1092725	DISK DRIVE UNIT NEXT COMPUTER INC	ACY0005546 N3010	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1992/08/24	13668D .117F	542.
1093231	PRINTER, ADP NEXT COMPUTER INC	AAC0015088 N2000	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1992/06/08	13668D .117F	1,400.
1158595	DISK DRIVE UNIT INFINITY PHOTO-OPTICAL	1Y102-3402 N103SZ	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1992/11/09	24305D .117F	1,359.
1256188	COMPUTER, MICRO INTERNATIONAL BUSINESS MACHINE	97-M9DB7 955230J	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	L 1993/06/29	35024D HOME	4,988.
1259402	MOCK-UP, WING GLOVE NATIONAL AERONAUTICS AND SPACE	NONE (VERIFIED) NONE (VERIFIED)	BERTEL RUD, ARLD BUSHNELL, DENNIS M.	MISC-AMES 1994/01/03	582 TURN	27,488.

E C N	NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT		BLDG ROOM	COST
					ACQ DATE			
1259441		DISK DRIVE UNIT PERIPHERAL LAND INC	05158 INFINITY OPTICA	BERTELRUD, ARILOD BUSHNELL, DENNIS M.,	L	43409D 1994/01/13	12478 117F	1,279.
1263816		COMPUTER, MICRO APPLE COMPUTER INC	CK4195SY1H2 M1888	BERTELRUD, ARILOD BUSHNELL, DENNIS M.,	NAS 1	20005 1994/08/29	12478 .117F	5,094.
1263817		DISPLAY UNIT APPLE COMPUTER INC	S14310MNIXX M2494	BERTELRUD, ARILOD BUSHNELL, DENNIS M.,	NAS 1	20005 1994/08/29	12478 .117F	907.
1811722		CAMERA, DIGITAL OLYMPUS OPTICAL CO LTD	1018185 D500L	BERTELRUD, ARILOD BUSHNELL, DENNIS M.,	B	ZCRD0753 1998/01/28	NOC HOME	890.
1159016		COMPUTER, MINI SILICON GRAPHICS INC	37056566 CMNB001	BESKENIS, SHARON O. WILLS, ROBERT W.,	NAS 1	19468 1992/12/16	1220 241	27,680.
1159017		DISPLAY UNIT SILICON GRAPHICS INC	205006324 HL7985KWSG	BESKENIS, SHARON O. WILLS, ROBERT W.,	NAS 1	19468 1992/12/16	1220 241	1,560.
1429909		COMPUTER, MICRO APPLE COMPUTER INC	TY62531LGMV M3979	BESKENIS, SHARON O. HANKINS, WALTER W.,	NAS 1	20005 1998/07/03	1220 239	2,245.
1873026		DISPLAY UNIT APPLE COMPUTER INC	SG6110SD35J M2935	BESKENIS, SHARON O. HANKINS, WALTER W.,	NAS 1	20005 1997/06/11	1220 239	883.
1876477		PRINTER, ADP HEWLETT-PACKARD CO	USCB069619 C3982A	BESKENIS, SHARON O. WILLS, ROBERT W.,	B	ZCRD0787 1998/02/18	1220 239	952.
0020848		POWER SUPPLY LAMBDA ELECTRONICS	CO4238 LPT7202FM	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L	60390C 1989/09/07	1230 .166	1,900.
0020955		MULTIMETER, DIGITAL FLUKE JOHN MFG CO INC	50950810 87	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L	82574C 1990/09/12	1230 .166	287.
0259414		CABINET, EQUIPMENT HEWLETT-PACKARD CO	2036A05200 29402C	BLY, JAMES B. SAWYER, JOSEPHINE L.,	NAS 1	17236 1988/03/30	1230 .166	2,500.
0282436		MULTIMETER, DIGITAL HEWLETT-PACKARD CO	2301A18979 3478A	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L	86190B 1985/05/30	1230 .166	940.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		0427292	GENERATOR, VARIABLE PHASE HEWLETT-PACKARD CO	425-00539 203A	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 74322 1985/11/01	1230 .188	1,207.
		0467203	OSCILLOSCOPE, GENERAL PURPOSE TEKTRONIX INC	B031755 2215	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 50151B 1983/03/18	1230 .188	1,344.
		0467255	METER, IMPEDANCE, VECTOR HEWLETT-PACKARD CO	640-00109 4800A	BLY, JAMES B. SAWYER, JOSEPHINE L.,	NS16400 1987/05/01	1230 .188	1,587.
		0467840	AMPLIFIER, ELECTROMETER KEITHLEY INSTRUMENTS INC	21516 604	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 92891 1973/08/01	1230 .188	2,021.
		0467922	STANDARD, VOLTAGE FLUKE JOHN MFG CO INC	3090001 515A	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 47658B 1983/02/02	1230B .188	3,135.
		04698708	ANALYZER, LOGIC TEKTRONIX INC	B052265 7D01F	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 86310A 1977/08/28	1230 .188	4,247.
		0470924	VOLTMETER, DIFFERENTIAL FLUKE JOHN MFG CO INC	1055 887AB	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 26547 1988/12/01	1230 .188	1,334.
		0527402	COUNTER, FREQUENCY HEWLETT-PACKARD CO	50403374 5245L	BLY, JAMES B. WINCHESKI, RUSSELL A.,	LX 7900278 1979/05/25	1230 .188	3,774.
		1257297	COMPUTER, MICRO NUMERTRONIX	XB328CXT M1206	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 38411D 1983/08/24	1230 155	5,521.
		4281683	OSCILLOSCOPE, PORTABLE TEKTRONIX INC	B023531 2252	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 49873D 1994/08/08	1230 .188	3,985.
		1282901	PROCESSING MACHINE, BLUEPRINT TOTAL SYSTEMS CONCEPT INC	NONE (VERIFIED) BT201B	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 49952D 1994/07/06	1230 .187	1,059.
		1425792	SYSTEM, EXPOSURE, DOUBLE SIDED COLIGHT INC F-COLIGHT PHOTO-	7130-314 M218	BLY, JAMES B. SAWYER, JOSEPHINE L.,	L 58573D 1985/08/11	1230 .187	6,276.
		1155828	COMPUTER, MICRO APPLE COMPUTER INC	F12174RUC81 M5920	BOWMAN, LYNN M. STAGGS, FREDERICK L.,	L 18201D 1992/08/28	1237 211	3,918.

NEW	OLD	E C N	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
		1158702	DISK DRIVE UNIT	PINNACLE MICRO INC	3231	RED130S	BOWMAN, LYNN M.	JEGLEY, DAWN C.	L	4251D	1237T	212	2,124.
		1258124	DISPLAY UNIT	SONY CORP	3140159	GDM1971	BOWMAN, LYNN M.	JEGLEY, DAWN C.	L	31231D	1237T	T-2	2,230.
		1258178	DISPLAY UNIT	SONY CORP	314A10071	GDM1971	BOWMAN, LYNN M.	JEGLEY, DAWN C.	L	31239D	1237T	T2	2,149.
		1258179	COMPUTER, MICRO	APPLE COMPUTER INC	XB30QDPFQCC7	M1206	BOWMAN, LYNN M.	JEGLEY, DAWN C.	L	31239D	1237T	T2	3,514.
		1422919	COMPUTER, MICRO	GATEWAY 2000	2731390	NEW TOWER	BROOKS, GEORGE F.	VEDELER, ERIK	L	55936D	1299	.214	3,568.
		1422922	DISPLAY UNIT	SONY CORP	7102055	GDM20E01	BROOKS, GEORGE F.	VEDELER, ERIK	L	55936D	1299	.214	1,985.
		0221413	COMPUTER, MICRO	INTERNATIONAL BUSINESS MACHINE	5176326	5170-068	BROWN, DONALD E.	SHEPHERD, KEVIN P.	L	97608	1208	.109	12,315.
		0549830	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	AB34600CK3	VT240A	BROWN, DONALD E.	GRANDLE, ROBERT E.	L	85438B	1208A	111	1,424.
		1422577	DISPLAY UNIT	VIEWSONICS INC	U243210460	1782-2	BROWN, DONALD E.	SHEPHERD, KEVIN P.	NAS	1 20006	1208	.109	867.
		0848488	PRINTER, ADP	APPLE COMPUTER INC	CA8138HK	M8000	BURDETTE, DANIEL W.	COMSTOCK, JAMES R. JR.	L	85868C1	1237T	307	4,812.
		1084133	COMPUTER, MICRO	GATEWAY 2000	148923	486/25	BURDETTE, DANIEL W.	WRIGHT, ANNIE P.	L	88476C	1237T	307	3,785.
		1262859	COMPUTER, MICRO	GATEWAY 2000	2397850	BABY AT	BURDETTE, DANIEL W.	COMSTOCK, JAMES R. JR.	L	50985D	1237T	307	2,059.
		1431941	DISPLAY UNIT	PRINCETON GRAPHIC SYSTEMS	MH3534031687	DX17F	BURDETTE, DANIEL W.	WRIGHT, ANNIE P.	B	DC01072	1237T	307	883.

ECN	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
0058040			PRINTER, ADP	HEWLETT-PACKARD CO	2803J19206	33440A	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	39016C	1237T	T-2	1,680.
0139778			PRINTER, ADP	EPSON AMERICA INC	11014001	P24EA(LQ2500)	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	15820C	1237T	T-2	1,109.
0142504			BUFFER, PRINTER, MULTIPORT	BAY TECHNICAL ASSOCIATES	153232	710E	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	25058C	1237T	T-2	933.
0461799	189898		PRINTER, ADP	HEWLETT-PACKARD CO	2051S41450	82143A	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	28931B	1237T	T-2	510.
0848974			CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	1333A20455	HP85	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	1-18054FG47	1237T	T-2	842.
1741153			COMPUTER, MICRO	GATEWAY 2000	0006288986	ATX TOWER	CAPRON, WILLIAM R.	WRIGHT, ANNIE P.,	L	5167	1237T	200	6,085.
0138201			PRINTER, ADP	APPLE COMPUTER INC	F8491DR	M0156	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	12210C	1237T	212	3,598.
0802928			INTERFACE, NETWORK	TEKTRONIX INC	8014149	4511A	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	41180D	1237T	212	1,280.
0803215			DISK DRIVE UNIT	MAC PRODUCTS USA	93060024328044	M0ST256OPTICAL	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	44112D	1237T	212	999.
1084931			DISPLAY UNIT	APPLE COMPUTER INC	7021048	M0401	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	92388C	1237T	305	628.
1085150			COMPUTER, MINI	SILICON GRAPHICS INC	E1070083	CMBB001	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	94978C	1237T	212	23,600.
1089220			DISK DRIVE UNIT	SIGMA INFORMATION SYSTEMS INC	7595	SAH212D	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	1211D	1237T	212	5,708.
1091589			COMPUTER, MICRO	SILICON GRAPHICS INC	35008989	CMBB003	CERRO, JEFFREY A.	STAGGS, FREDERICK L.,	L	1AS 1 19468	1237T	212	11,509.

E C N	DESCRIPTION	SERIAL NO	USER NAME	ACQ DOCUMENT	BLDG	COST
NEW	MANUFACTURER	MODEL NO	CUST NAME	ACQ DATE	ROOM	
1091591	DISPLAY UNIT SILICON GRAPHICS INC	2006720 GDM1630SG	CERRO, JEFFREY A. STAGGS, FREDERICK L.	NAS 1 19468 1992/03/11	1237T 212	500.
1091861	COMPUTER, MICRO APPLE COMPUTER INC	F11493RBC81 M5920	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1992/04/16	1237T 209	3,050.
1159219	DISK DRIVE UNIT UNKNOWN (VERIFIED)	NONE NONE	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1992/10/19	1237T 212	2,673.
1159220	DISK DRIVE UNIT UNKNOWN (VERIFIED)	NONE NONE	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1992/10/19	1237T 209	2,673.
1180077	DISPLAY UNIT SILICON GRAPHICS INC	FFA207009568 HL7965KW-SG	CERRO, JEFFREY A. STAGGS, FREDERICK L.	NAS 1 19468 1993/02/23	1237T 212	1,500.
1180078	DISK DRIVE UNIT TOSHIBA HOSHASEN CO LTD	2Y60207174 TXM3301E1	CERRO, JEFFREY A. STAGGS, FREDERICK L.	NAS 1 19468 1993/02/23	1237T 209	840.
1180079	COMPUTER, MINI SILICON GRAPHICS INC	35255789 CMBN003B	CERRO, JEFFREY A. STAGGS, FREDERICK L.	NAS 1 19468 1993/02/23	1237T 212	19,871.
1255511	TRANSPORT, MAGNETIC TAPE EXABYTE CORP	17684 EXB8200	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1993/05/11	31216D 212	1,847.
1256142	DISPLAY UNIT SONY CORP	3140554 GDM1971	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1993/06/25	31231D 209	2,230.
1256925	PRINTER, ADP TEKTRONIX INC	JP21117 PHASERIIIPXI	CERRO, JEFFREY A. STAGGS, FREDERICK L.	L 1993/07/29	36483D 212	2,995.
1424452	COMPUTER, MICRO APPLE COMPUTER INC	FC50102L44G M2391	CERRO, JEFFREY A. STAGGS, FREDERICK L.	NAS 1 20006 1995/03/17	1237T 209	2,632.
0053000	BALANCE, ANALYTICAL METTLER INSTRUMENT CORP	G55147 AE2405	CHANG, ALICE C. SMITH, CARISSA T.	L 1987/12/15	30050C .252	2,625.
0264458	MICROSCOPE, INFRARED NICOLET INSTRUMENT CORP	164 0036-005	CHANG, ALICE C. SMITH, CARISSA T.	L 1985/09/30	867188 1283C 268	12,400.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
0419458	148803		PRESS. PELLET CARVER FRED S INC	6803 21005-43	CHANG, ALICE C. SMITH, CARISSA T..	L 21493 1975/07/09	1293C .268	1,009.
0419926	189108		BEAM CONDENSER NICOLET INSTRUMENT CORP	222-010800 BC7000	CHANG, ALICE C. SMITH, CARISSA T..	L 24694B 1981/08/15	1293C .268	1,488.
1426273			COMPUTER, MICRO DELL COMPUTER CORP F-PC'S LTD	57HBM DPS	CHANG, ALICE C. SMITH, CARISSA T..	L 62037D 1995/08/31	1293C .252	2,252.
1426274			DISPLAY UNIT DELL COMPUTER CORP F-PC'S LTD	7114326 D1526T-HS	CHANG, ALICE C. SMITH, CARISSA T..	L 62037D 1995/08/31	1293C .252	425.
1812443			DISK DRIVE UNIT IOMEGA	PJAH46T847 Z100PLUS	CHANG, ALICE C. SMITH, CARISSA T..	B ZCRD0798 1998/06/17	1293A 252	300.
0057027			MULTIMETER, DIGITAL FLUKE JOHN MFG CO INC	44280826 77	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	L 40852C 1988/07/29	1230 184	141.
0484015	198025		MULTIMETER, DIGITAL FLUKE JOHN MFG CO INC	NONE 8800A	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	L 44542B 1982/12/30	1230 184	625.
0531380	L600689		MICROSCOPE BAUSCH AND LOMB INC	NONE 31-20-83-35	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	L 99471 1981/12/01	1230 184	678.
1262733			IMAGE PROCESSING SYSTEM AMBER ENGINEERING INC RAYTHEON	0051 AMBERVIEW	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	L 46703D 1994/08/08	1230 184	16,350.
1262839			COMPUTER, MICRO GATEWAY 2000	2384208 4DX2-66	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	41290001 1994/07/22	1230 184	2,319.
1430590			DISK DRIVE UNIT SONY CORP	20894 PRD250	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	L 4370 1996/08/07	1230 184	479.
1804734			DISK DRIVE UNIT IOMEGA	W15G450575 V1000S	CHURRAY, RICHARD J. CHILDERS, BROOKS A..	B DMF5016 1997/02/18	1230B 184	489.
1604948			MODEM, COMMUNICATIONS USRBOTICS	210VB1027031 CJEO340	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L..	B DMF5016 1997/04/18	1230 184	184.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		1804947	MODEM, COMMUNICATIONS USROBOTICS	210V59740452 CJEO340	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L.	B DMF5016 1997/04/18	1230B 184	184.
		1873856	CAMERA, TELEVISION PULNIX AMERICA INC	018404 TM7CN	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L.	NAS 1 20013 1998/05/10	1230 184	795.
		1874881	PRINTER, ADP HEWLETT-PACKARD CO	SG7891H189 C4585A	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L.	B ZCRD1027 1997/09/10	1230B 184	400.
		1878863	COMPUTER, MICRO, PORTABLE COMPAQ COMPUTER CORP	872488320311 ARMADA7710MT	CHURRAY, RICHARD J. SAWYER, JOSEPHINE L.	B ZCRD1178 1998/08/25	1230 184	1,275.
		0082317	COMPUTER, MICRO PC'S LIMITED SEE DEL COMPUTERS 310	10023848	DELMORE, VICTOR E. SCHAFFNER, PHILIP R.	L 58648C 1989/08/02	1289 235	4,805.
		0846102	CAMERA, TELEVISION ELMO MFG CORP	836816 EM102	DELMORE, VICTOR E. HANKINS, WALTER W.	L 57878C 1989/08/22	1289 235	2,343.
		1283278	DISPLAY UNIT DELL COMPUTER CORP F-PC'S LTD	44985A0AE854 P1728U	DELMORE, VICTOR E. SCHAFFNER, PHILIP R.	L 51280D 1994/08/02	1289 235	400.
		1092536	DISPLAY UNIT NEC INFORMATION SYSTEMS INC	21C000288 JC1741UMA	DICKSON, JOHN N. JEGLEY, DAWN C.	L 13874D 1992/04/28	1148 202	1,440.
		1158716	PRINTER, ADP HEWLETT-PACKARD CO	3128JG3RKL 33481A	DICKSON, JOHN N. JEGLEY, DAWN C.	L 21043D 1992/09/15	1148 202	983.
		1878986	COMPUTER, MICRO DELL COMPUTER CORP F-PC'S LTD	BZG1P MMS	DICKSON, JOHN N. JEGLEY, DAWN C.	B ZCRD0721 1998/03/23	1148 202	1,900.
		0849158	CABINET, FILE, SECURITY ART METAL U S A INC	AM7818 CLASS6	DYKE, VERNON E. STAGGS, FREDERICK L.	1-18054F 1988/04/15	1237T 112	4,368.
		1258703	MONITOR, TELEVISION SONY CORP	7003280 KV32T520	DYKE, VERNON E. STAGGS, FREDERICK L.	NAS 1 18000 1993/10/14	1237T 100	829.
		1428642	COMPUTER, MINI SILICON GRAPHICS INC	080068086E40 CMNB007Y125	FORD, EDDIE D. HOLT, ROBERT	NAS 1 20487 1995/09/29	1289 214	23,380.

ECN	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST	
1426643			DISPLAY UNIT	SONY CORP	2453605	GDM20D11	FORD, EDDIE D.	HOLT, ROBERT	NAS 1 20497	1985/08/29			1299	3,900.
1088407			DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	19L08528	JC1801VMA2	FRALICK, DION T.	HOLT, ROBERT	L 2787D	1991/10/03			1299	700.
1743061			COMPUTER, MICRO	INTERLINK COMPUTERS INC	13245	NONE (VERIFIED)	FRALICK, DION T.	HOLT, ROBERT	B DIF1151	1997/08/08			1289	1,888.
1743062			DISPLAY UNIT	PRINCETON GRAPHIC SYSTEMS	0472045231	E070	FRALICK, DION T.	HOLT, ROBERT	B DIF1151	1997/08/08			1299	530.
1084658			COMPUTER, MICRO	APPLE COMPUTER INC	F3107MAD	M5525	GLASS, DAVID E.	RIVERS, KEVIN H.	L 91655C	1991/03/25			1267	5,740.
1260407			DISK DRIVE UNIT	PINNACLE MICRO INC	100103541	TAHDE130	GLASS, DAVID E.	RIVERS, KEVIN H.	L 83226C	1991/08/03			1267	2,810.
1423254			COMPUTER, MICRO	APPLE COMPUTER INC	FC4490MU3M	M2391	GLASS, DAVID E.	RIVERS, KEVIN H.	NAS 1 20006	1994/12/15			1287	3,108.
1875986			DISPLAY UNIT	SONY CORP	2703637	GDM500PS	GLASS, DAVID E.	RIVERS, KEVIN H.	B ZCRD0735	1998/01/23			1267	1,837.
G073779			PRINTER, ADP	APPLE COMPUTER INC	CA943CKP	M6000	GLOVER, ROBERT J.	STAGGS, FREDERICK L.	L 70746C	1990/03/08			1237T	3,149.
0056345			PRINTER, ADP	APPLE COMPUTER INC	CAB22EEU	M6000	GLOVER, ROBERT J.	STAGGS, FREDERICK L.	L 31733C	1988/07/12			1237T	5,815.
1430977			COMPUTER, MICRO	APPLE COMPUTER INC	XB8211EX7P4	M3409	GLOVER, ROBERT J.	COMSTOCK, JAMES R. JR.	NAS 1 20005	1998/08/08			1237T	4,219.
1742784			DISPLAY UNIT	NEC TECHNOLOGIES INC DIV OF NE	7101414KA	JC1745UMA	GLOVER, ROBERT J.	COMSTOCK, JAMES R. JR.	NAS 1 20004	1997/05/08			1237T	723.
1810942			DISK DRIVE UNIT	OMEGA	M15T380GCE	V1000S	GRAINGER, JOHN L.	CHILDERS, BROOKS A.	B DMF4964	1997/07/09			1230	500.

E C N	NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT		BLDG ROOM	COST
					ACQ DATE			
1878134		SCANNER, THERMOCOUPLE MEASUREMENTS GROUP INC THE	131018 5100	GROSSEN, STEPHEN H. RAUJ, IVATURY S.,	L	88207D 1998/07/07	1205 129	2,255.
1085825		COMPUTER, MICRO GATEWAY 2000	205841 488/25C	GROSVELD, FERDINAND SHEPHERD, KEVIN P.,	L	95032C 1991/06/14	1208 117A	3,490.
1879170		DISPLAY UNIT KDS	0282000701 VS19	GROSVELD, FERDINAND SHEPHERD, KEVIN P.,	B	ZCRD0528 1998/09/17	1208 117A	659.
1879172		COMPUTER, MICRO 3D GAMING AND COMPUTING	NONE (VERIFIED) NONE (VERIFIED)	GROSVELD, FERDINAND SHEPHERD, KEVIN P.,	B	ZCRD0528 1998/09/18	1208 117A	1,666.
1263719		COMPUTER, MICRO GATEWAY 2000	2210193 BABY AT	HANEY, HALCUI T P. STAGGS, FREDERICK L.,		40820002 1994/09/15	1237T 100B	1,580.
1424562		COMPUTER, MICRO AMS INC	ECP40260 104PN488E	HANEY, HALCUI T P. STAGGS, FREDERICK L.,	NAS 1	19000 1995/03/07	1237T 100	2,528.
0060742		DISPLAY UNIT SONY CORP	2013733 GDM1952	HIBBARD, FRED S. SAWYER, JOSEPHINE L.,	L	51946C 1989/03/27	1230 288	3,662.
0061300		TRANSPORT, MAGNETIC TAPE SUMMUS COMPUTER SYSTEMS	14930 442	HIBBARD, FRED S. SAWYER, JOSEPHINE L.,	L	57375C 1989/08/12	1230 111	5,198.
0803820		DISK DRIVE UNIT CLUB MAC	NONE (VERIFIED) MIGHTY MITE	HIBBARD, FRED S. SAWYER, JOSEPHINE L.,	L	51101D 1994/07/20	1230 158	459.
0848899		DISK DRIVE UNIT APPLE COMPUTER INC	F9402R5 M2888	HIBBARD, FRED S. WINCHESKI, RUSSELL A.,	L	88775C 1990/01/22	1230 158	1,187.
1082020		COMPUTER, MICRO APPLE COMPUTER INC	F5208498210 M4200	HIBBARD, FRED S. WINCHESKI, RUSSELL A.,	L	13325D 1992/04/16	1230 158	4,116.
1092021		DISPLAY UNIT RASTEROPS CORP	5504761 GDM1850	HIBBARD, FRED S. WINCHESKI, RUSSELL A.,	L	13325D 1992/04/16	1230 158	5,114.
1254905		COMPUTER, MICRO SUN MICROSYSTEMS INC	314F1191 144	HIBBARD, FRED S. WINCHESKI, RUSSELL A.,	NAS 1	19468 1993/04/27	1230 111	5,721.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		1254908	DISPLAY UNIT SONY CORP	9311DX1843 GDM19828	HIBBARD, FRED S. WINCHESKI, RUSSELL A.	NAS 1 19488 1993/04/27	1230 111	3,900.
		1429448	TRANSPORT, MAGNETIC TAPE CLUB MAC	212967 4-8GBDAT	HIBBARD, FRED S. CHILDERS, BROOKS A.	L 1998/08/10	3818 158	814.
		1874883	COMPUTER, MICRO DELL COMPUTER CORP F-PC'S LTD	BQJQH MM8	HIBBARD, FRED S. SAWYER, JOSEPHINE L.	B 1997/09/25	ZCRD0691 158	2,000.
		1874884	DISPLAY UNIT DELL COMPUTER CORP F-PC'S LTD	66746JINEC87 D1028L	HIBBARD, FRED S. SAWYER, JOSEPHINE L.	B 1997/09/25	ZCRD0691 158	400.
		G075498	CHASSIS, EXPANSION SIGMA INFORMATION SYSTEMS INC	2807 H118/2	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	L 1990/06/14	74890C .150	2,544.
		1262358	DISPLAY UNIT RADIUS INC	4190135 0381	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	L 1994/06/17	50348D .150	1,834.
		1262359	COMPUTER, MICRO APPLE COMPUTER INC	SX444RYD871 M4300	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	L 1994/08/17	50348D .150	4,371.
		1424330	DISPLAY UNIT SUN MICROSYSTEMS INC	9502FC1189 GDM20D10	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	NAS 1 20006 1995/03/15	1230 .150	3,900.
		1424331	COMPUTER, MINI SUN MICROSYSTEMS INC	509F00EF 544	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	NAS 1 20006 1995/03/15	1230 .150	9,933.
		1880204	COMPUTER, MICRO TC COMPUTERS	NONE (VERIFIED) NONE (VERIFIED)	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	B 1998/01/05	ZCRD1030 150	2,258.
		1880205	COMPUTER, MICRO GATEWAY 2000	0012218963 GP8-450	HOWELL, PATRICIA A. SAWYER, JOSEPHINE L.	B 1999/01/05	ZCRD0693 186	2,482.
		G078458	TERMINAL, DATA PROCESSING DIGITAL EQUIPMENT CORP	SZ03723072 VT320	HUNT, PATRICIA J. HOGGE, THOMAS W.	L 1990/10/01	82713C .102	220.
		1155682	DISK DRIVE UNIT SEAGATE	TMS068305 ST4787N	HUNT, PATRICIA J. HOGGE, THOMAS W.	NAS 1 19488 1992/07/13	1298 142	3,850.

E C N NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT		BLDG ROOM	COST
				ACQ DATE			
1085024	DISPLAY UNIT SONY CORP	IS10215878 VK119DA	JAVEED, MEHZAD DURLING, BARBARA J.,	L	92386C 1991/04/04	12838 108	6,200.
1080235	COMPUTER, MICRO APPLE COMPUTER INC	F11378TS724 APL-A10860	JAVEED, MEHZAD DURLING, BARBARA J.,	L	5831D 1991/12/27	12938 .237	3,605.
1433142	COMPUTER, MICRO AC TECH	049A51608142 488	JOHNS, REGINA D. WRIGHT, ANNIE P.,	MISC-HQD	1985/03/10	1237T 218	1,387.
1257898	COMPUTER, MICRO APPLE COMPUTER INC	XB348L3613V M9020	KELLY, JEFFREY J. STAGGS, FREDERICK L.,	L	42518D 1993/12/28	1237T 107	4,883.
1085412	COMPUTER, MICRO GATEWAY 2000	188702 AF424I3865X	KIMREY, JAMIE L. STAGGS, FREDERICK L.,	L	92568C 1991/05/03	1237T 109	2,025.
1158448	PRINTER, ADP APPLE COMPUTER INC	923370 ZNT	KIMREY, JAMIE L. STAGGS, FREDERICK L.,	NAS 1-19000	1991/09/03	1237T 105A	3,100.
1084813	DISPLAY UNIT SONY CORP	5000478 GDM1950	LAUFER, JOSEPH STAGGS, FREDERICK L.,	L	92285C 1991/03/20	1237T 212A	2,700.
6078802	DISPLAY UNIT NEC INFORMATION SYSTEMS INC	07NO1163M JC1404HMA	LAVALLEE, TIMOTHY L. STAGGS, FREDERICK L.,	L	84107C 1990/10/15	1237T 217	610.
1424454	TRANSPORT, MAGNETIC TAPE ANDATACO	8183053 X5XSE51JX352X	LAVALLEE, TIMOTHY L. STAGGS, FREDERICK L.,	NAS 1 20008	1995/03/17	1237T 217	2,233.
0848492	COMPUTER, MICRO APPLE COMPUTER INC	F9259S2 M5650	LYLE, JERRY S. GRANDLE, ROBERT E.,	L	58475C 1989/07/24	1208 308	4,688.
1091527	COMPUTER, MINI DIGITAL EQUIPMENT CORP	AB20202L8M WS42A-BH	LYLE, JERRY S. GRANDLE, ROBERT E.,	L	10717D 1992/03/23	1221B 129	4,153.
1159809	DISPLAY UNIT SONY CORP	SG240HCUE04 M1212	LYLE, JERRY S. GRANDLE, ROBERT E.,	NAS 1 19468	1993/02/10	1208 308	662.
1159874	TRANSPORT, MAGNETIC TAPE WANGDAT TECHNOLOGY INC	03410105 1300	LYLE, JERRY S. GRANDLE, ROBERT E.,	FDS	1993/03/22	1208A 111	1,500.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		G074778	LASER, ARGON-ION SPECTRA-PHYSICS	318 2040-15	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19117 1990/04/02	1212C .211	30,100.
		G074868	TABLE, OPTICAL NEWPORT/KLINGER FRMLY NEWPORT	NONE XS26	MACE, W. D., JR. DRESS, DAVID A.,	L 75930C 1990/06/14	1212C .211	1,904.
		G075245	OSCILLOSCOPE TEKTRONIX INC	B050669 2487B	MACE, W. D., JR. DRESS, DAVID A.,	L 76382C 1990/05/24	1212C .211	11,834.
		G075246	OSCILLOSCOPE TEKTRONIX INC	B050877 2487B	MACE, W. D., JR. DRESS, DAVID A.,	L 76382C 1990/05/24	1212C .211	11,834.
		G076465	GENERATOR, TIME CODE DATUM INC F-PERIPHERAL	0476 9700	MACE, W. D., JR. DRESS, DAVID A.,	L 79083C 1990/08/10	1212 .202	5,177.
		G078242	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C91753 MDB-DS2CAN-SCT6	MACE, W. D., JR. DRESS, DAVID A.,	L 84250C 1990/11/05	1212 202	3,755.
		G078243	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C91754 MDB-DS2CAN-SCT6	MACE, W. D., JR. DRESS, DAVID A.,	L 84250C 1990/11/05	1212C 201	3,755.
		G078244	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C92926 MDB-DS2000	MACE, W. D., JR. DRESS, DAVID A.,	L 84250C 1990/11/05	1212C 201	1,685.
		G078533	PRINTER, ADP HEWLETT-PACKARD CO	3033A90181 33449A	MACE, W. D., JR. DRESS, DAVID A.,	L 83798C 1990/10/02	1212 .202	1,519.
		G078859	PROCESSOR, SIGNAL, MODULE MACRODYNE INC	1090-013 3100	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	14,950.
		G078860	PROCESSOR, SIGNAL, MODULE MACRODYNE INC	1090-014 3100	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	14,950.
		G078861	PROCESSOR, SIGNAL, MODULE MACRODYNE INC	1090-015 3100	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	14,950.
		G078862	POWER SUPPLY MACRODYNE INC	1090-082 3000	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	1,140.

NEW	E C N	DESCRIPTION	SERIAL NO	USER NAME	ACQ DOCUMENT	BLDG	COST
OLD		MANUFACTURER	MODEL NO	CUST NAME	ACQ DATE	ROOM	
G078863		POWER SUPPLY MACRODYNE INC	1090-083 3000	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	1,140.
G078884		GENERATOR, WAVEFORM, MODULE MACRODYNE INC	1090-008 3005	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19233 1990/10/22	1212C .202	4,600.
G079008		SCANNER/CONTROLLER GENERAL SCANNING INC	58712 CX8120	MACE, W. D., JR. DRESS, DAVID A.,	L 78625C 1990/10/28	1212C .211	1,595.
G079009		SCANNER/CONTROLLER GENERAL SCANNING INC	58725 CX6120	MACE, W. D., JR. DRESS, DAVID A.,	L 78625C 1990/10/28	1212C .211	1,595.
G079379		STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	09948 TCB200.1000PP	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	10,993.
G079380		STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	09949 TCB200.1000PP	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	10,993.
G079381		STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	09945 TCB200.1000PP	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	10,993.
G079382		STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	09946 TCB200.1000PP	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	10,993.
G079383		STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	09947 TCB200.1000PP	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	10,993.
G079384		STAGE, ROTATION KLINGER SCIENTIFIC CORP	09956 RT200	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	7,492.
G079385		CONTROLLER, POSITIONER KLINGER SCIENTIFIC CORP	011052 MC4	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	3,789.
G079386		AMPLIFIER, POWER KLINGER SCIENTIFIC CORP.	011053D2 MD4	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	2,185.
G079387		AMPLIFIER, POWER KLINGER SCIENTIFIC CORP	011052D4 MD4	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	3,441.

E C N	NEW	OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
G079388			CONTROLLER, SYNCHRONIZATION KLINGER SCIENTIFIC CORP	9011052SU2 SU2	MACE, W. D., JR. DRESS, DAVID A.,	L 80716C 1990/11/26	1212C .211	1,880.
G079389			CONTROLLER, SYNCHRONIZATION KLINGER SCIENTIFIC CORP	9011051SU2 SU2	MACE, W. D., JR. DRESS, DAVID A.,	L 80718C 1990/11/28	1212C .211	1,880.
G079598			WORKSTATION, GRAPHICS HEWLETT-PACKARD CO	3038A00398 98735X	MACE, W. D., JR. DRESS, DAVID A.,	L 82908C 1990/10/22	1212C .202	20,000.
G079732			CONTROLLER, POSITIONER NEWPORT/KLINGER FRMLY NEWPORT	1095 880C2	MACE, W. D., JR. DRESS, DAVID A.,	L 84141C 1990/12/12	1212C .211	1,125.
G079804			PUMP, WATER PULSAFEEDER, INC.	ECJ2AFACVSS 90	MACE, W. D., JR. DRESS, DAVID A.,	L 88214C 1991/01/10	1212C .211	1,095.
0020143			FREQUENCY SHIFTER, LASER TSI INC F-THERMO-SYSTEMS INC	2452D 9186A	MACE, W. D., JR. DRESS, DAVID A.,	L 34448C 1988/08/13	1212C LASLB	8,027.
0020487			ILLUMINATOR, LASER FIBER NEWPORT/KLINGER FRMLY NEWPORT	NONE FLF145	MACE, W. D., JR. DRESS, DAVID A.,	L 84141C 1990/11/21	1212C LASLB	1,783.
0020909			ROTATOR, POLARIZATION TSI INC F-THERMO-SYSTEMS INC	NONE 9102-12	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C .211	1,573.
0020910			EXPANDER, LASER BEAM TSI INC F-THERMO-SYSTEMS INC	NONE 9189	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C .211	4,205.
0020911			RECEIVER, OPTICAL TSI INC F-THERMO-SYSTEMS INC	NONE 9140A	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C .211	2,324.
0020912			COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	NONE 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C .211	2,315.
0020913			COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	NONE 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C .211	2,315.
0020915			PHOTOMULTIPLIER TSI INC F-THERMO-SYSTEMS INC	NONE 9182	MACE, W. D., JR. DRESS, DAVID A.,	L 76397C 1990/07/23	1212C LVLAB	3,470.

E C N	DESCRIPTION	SERIAL NO	USER NAME	ACQ DOCUMENT	BLDG	COST
NEW OLD	MANUFACTURER	MODEL NO	CUST NAME	ACQ DATE	ROOM	
0020918	POWER SUPPLY TSI INC F-THERMO-SYSTEMS INC	NONE 9185	MACE, W. D., JR. DRESS, DAVID A.,	L 76387C 1890/07/23	1212C .211	2,200.
0021260	ILLUMINATOR, LASER FIBER NEWPORT/KLINGER FRMLY NEWPORT	NONE F-LFI	MACE, W. D., JR. DRESS, DAVID A.,	L 85844C 1890/12/03	1212C LASLB	1,783.
0021861	STAGE, ROTATION NEWPORT/KLINGER FRMLY NEWPORT	759 485	MACE, W. D., JR. DRESS, DAVID A.,	L 2764D 1991/10/07	1212C .211	1,830.
0052591	DOWNMIXER/SIGNAL SPLITTER TSI INC F-THERMO-SYSTEMS INC	2398D 9188A	MACE, W. D., JR. DRESS, DAVID A.,	L 27379C 1987/11/03	1212C .211	6,288.
0052592	BRAGG CELL TSI INC F-THERMO-SYSTEMS INC	NONE 9182-3A	MACE, W. D., JR. DRESS, DAVID A.,	L 27379C 1987/11/03	1212C .211	2,199.
0053437	PRINTER, ADP HEWLETT-PACKARD CO	2743A03824 2584B	MACE, W. D., JR. DRESS, DAVID A.,	L 27102C 1988/02/11	1212C .202	9,511.
0053453	REPEATER, NETWORK HEWLETT-PACKARD CO	NONE 28845A	MACE, W. D., JR. DRESS, DAVID A.,	L 27102C 1988/02/11	1212C .202	2,242.
0053454	CABINET, EQUIPMENT HEWLETT-PACKARD CO	2038A10824 29402C	MACE, W. D., JR. DRESS, DAVID A.,	L 27102C 1988/02/11	1212C .300	2,105.
0053457	RECORDER, TAPE, DIGITAL HEWLETT-PACKARD CO	2730A51845 7980A	MACE, W. D., JR. DRESS, DAVID A.,	L 27100C 1988/02/11	1212C .202	17,024.
0061140	LASER, ARGON-ION SPECTRA-PHYSICS	465 2030-15	MACE, W. D., JR. DRESS, DAVID A.,	NAS1 18054F 1989/04/28	1212C .211	50,590.
0139159	PHOTOMULTIPLIER TSI INC F-THERMO-SYSTEMS INC	1087L 9182	MACE, W. D., JR. DRESS, DAVID A.,	L 14540C 1987/03/02	1212C .211	3,800.
0139160	PHOTOMULTIPLIER TSI INC F-THERMO-SYSTEMS INC	1089L 9182	MACE, W. D., JR. DRESS, DAVID A.,	L 14540C 1987/03/02	1212C .211	3,800.
0139181	POWER SUPPLY TSI INC F-THERMO-SYSTEMS INC	958R 9185	MACE, W. D., JR. DRESS, DAVID A.,	L 14540C 1987/03/02	1212C .211	1,225.

E C N	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
0139162			POWER SUPPLY	TSI INC F-THERMO-SYSTEMS INC	957R	9185	MACE, W. D., JR.	DAVID A.,	L 14540C	1212C			1,225.
0258418			CARD CAGE	MACRODYNE INDUSTRIES INC	386-004	3030-3	MACE, W. D., JR.	DAVID A.,	NAS 1 17982	1212C			8,000.
0284572			LENS, LASER	RECON/OPTICAL INC	NONE	SK3539	MACE, W. D., JR.	DAVID A.,	NAS 1 16277	1212C		LVLAB	25,544.
0284770			GENERATOR, AEROSOL, PORTABLE	PACIFIC SCIENTIFIC CO	374	258MODIFIED	MACE, W. D., JR.	DAVID A.,	L 80114A	1212C			1,305.
0411088			COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	12	1094	MACE, W. D., JR.	DAVID A.,	NAS-1 13211	1212C			18,230.
0484080			COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	NONE	1094	MACE, W. D., JR.	DAVID A.,	NAS-1 13217	1212C			15,100.
0484082			COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	19	1094	MACE, W. D., JR.	DAVID A.,	NAS-1 13681	1212C			15,100.
0484084			GENERATOR, TIME CODE	DATUM INC	535	9310	MACE, W. D., JR.	DAVID A.,	L 8307B	1212C			5,201.
0533051			SIMULATOR, DOPPLER BURST	TSI INC F-THERMO-SYSTEMS INC	NONE	NONE	MACE, W. D., JR.	DAVID A.,	UNKNOWN	1212C			3,130.
0801307			ILLUMINATOR, LASER FIBER	NEWPORT/KLINGER FRMLY NEWPORT	NONE	F-LF1	MACE, W. D., JR.	DAVID A.,	L 6304D	1212C			1,480.
0801354			RECEIVER, OPTICAL	TSI INC F-THERMO-SYSTEMS INC	NONE	9140A	MACE, W. D., JR.	DAVID A.,	L 10922D	1212C			2,324.
0801355			RECEIVER, OPTICAL	TSI INC F-THERMO-SYSTEMS INC	NONE	9140A	MACE, W. D., JR.	DAVID A.,	L 10922D	1212C		LASLB	2,324.
0801376			ROTATOR, POLARIZATION	SPECTRA-PHYSICS	1527	310A	MACE, W. D., JR.	DAVID A.,	L 11564D	1212C			2,587.

NEW	E C N	OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
	0801942		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	126 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25599D 1992/12/18	1212C .211	2,315.
	0801948		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	125 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25598D 1992/12/18	1212C .211	2,315.
	0801947		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	128 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25599D 1992/12/18	1212C .211	2,315.
	0801948		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	130 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25599D 1992/12/18	1212C .211	2,315.
	0801949		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	127 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25599D 1992/12/18	1212C .211	2,315.
	0801950		COUPLER, FIBER OPTICS TSI INC F-THERMO-SYSTEMS INC	131 9271	MACE, W. D., JR. DRESS, DAVID A.,	L 25599D 1992/12/18	1212C LVLAB	2,315.
	0847203		FREQUENCY SHIFTER, LASER TSI INC F-THERMO-SYSTEMS INC	2587D 9186A9180-3A	MACE, W. D., JR. DRESS, DAVID A.,	L 80622C 1988/09/13	1212C .211	8,027.
	0848455		DISPLAY UNIT APPLE COMPUTER INC	5288685 MO401	MACE, W. D., JR. DRESS, DAVID A.,	L 63794C 1988/11/14	1212 202	652.
	1083702		DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95772 MDB-DS2000SPO	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/01	1212 202	3,000.
	1083703		DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95817 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/01	1212 202	2,350.
	1083704		DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95817 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/01	1212 202	2,350.
	1083708		DISPLAY UNIT HEWLETT-PACKARD CO	2929J23809 98754A	MACE, W. D., JR. DRESS, DAVID A.,	L 88630C 1991/02/04	1212C .202	7,000.
	1084107		DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C73578 MDB-DS2000SPO	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/12	1212 202	3,000.

ECN	DESCRIPTION	SERIAL NO	USER NAME	ACQ DOCUMENT	BLDG	COST
NEW	MANUFACTURER	MODEL NO	CUST NAME	ACQ DATE	ROOM	
1084108	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C94874 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/12	1212 202	2,350.
1084109	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C94877 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87152C 1991/02/12	1212 202	2,350.
1084140	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95770 MDB-DS2000SP0	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	3,000.
1084141	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95771 MDB-DS2000SP0	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	3,000.
1084142	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95807 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	2,350.
1084143	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95820 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	2,350.
1084144	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95828 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	2,350.
1084145	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	C95828 MDB-DS2CAN-SC	MACE, W. D., JR. DRESS, DAVID A.,	L 87460C 1991/02/15	1212 202	2,350.
1084242	STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	10430 TCB200.1000	MACE, W. D., JR. DRESS, DAVID A.,	L 80716C 1991/02/25	1212C .211	7,951.
1084243	STAGE, TRANSLATION KLINGER SCIENTIFIC CORP	10431 TCB200.1000	MACE, W. D., JR. DRESS, DAVID A.,	L 80716C 1991/02/25	1212C .211	7,952.
1085387	RECORDER, TAPE, ANALOG HONEYWELL INC AEROSPACE DIV	0100330AD91 97(16821992-001	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19202 1991/05/16	1212C .202	162,218.
1085398	RECORDER, TAPE, ANALOG HONEYWELL INC AEROSPACE DIV	0100331AD91 97(16821992-001	MACE, W. D., JR. DRESS, DAVID A.,	NAS 1 19202 1991/05/16	1212 .134A	162,218.
1085787	PROCESSOR, SIGNAL, GRAPHICS ZONIC CORP	277 7000	MACE, W. D., JR. DRESS, DAVID A.,	L 82514C 1991/06/06	1212 202	108,408.

NEW	OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
	1085788	PROCESSOR, SIGNAL, GRAPHICS ZONIC CORP	278 7000	MACE, W. D., JR. DRESS, DAVID A.,	L 82515C 1991/06/05	1212 202	113,898.
	1085789	CABINET, EQUIPMENT ZONIC CORP	NONE A&D	MACE, W. D., JR. DRESS, DAVID A.,	L 82515C 1991/06/05	1212 202	2,800.
	1085790	PROCESSOR, SIGNAL, GRAPHICS ZONIC CORP	278 7000	MACE, W. D., JR. DRESS, DAVID A.,	L 82516C 1991/06/05	1212 202	113,898.
	1085791	CABINET, EQUIPMENT ZONIC CORP	NONE A&D	MACE, W. D., JR. DRESS, DAVID A.,	L 82516C 1991/06/05	1212 202	2,500.
	1088742	DISPLAY UNIT HEWLETT-PACKARD CO	3115U03270 A1087A	MACE, W. D., JR. DRESS, DAVID A.,	L 97006C 1991/06/27	1212 202	1,529.
	1088743	COMPUTER, MICRO HEWLETT-PACKARD CO	3122C00575 C2708A	MACE, W. D., JR. DRESS, DAVID A.,	L 97006C 1991/06/27	1212 202	2,987.
	1088982	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	100874 MDB-DS2CAN	MACE, W. D., JR. DRESS, DAVID A.,	L 95989C 1991/07/23	1212 202	2,350.
	1088983	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	101085 MDB-DS2CAN	MACE, W. D., JR. DRESS, DAVID A.,	L 95989C 1991/07/23	1212 202	3,395.
	1088984	DISK DRIVE UNIT AMDATACO	100376 MDB-DS2000-0	MACE, W. D., JR. DRESS, DAVID A.,	L 95989C 1991/07/23	1212 202	2,795.
	1087470	CHASSIS, DISK DRIVE MOUNTAINGATE DATA SYSTEMS INC	100310 DS2000SP0	MACE, W. D., JR. DRESS, DAVID A.,	L 92833C 1991/08/20	1212 202	3,550.
	1087471	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	100877 DS2CAN-P-SCSI	MACE, W. D., JR. DRESS, DAVID A.,	L 92833C 1991/08/20	1212 202	3,045.
	1087472	DISK DRIVE UNIT MOUNTAINGATE DATA SYSTEMS INC	101005 DS2CAN-P-SCSI	MACE, W. D., JR. DRESS, DAVID A.,	L 92833C 1991/08/20	1212 202	3,045.
	1088631	CONTROLLER, PROGRAMMABLE NEWPORT/KLINGER FRMLY NEWPORT	1027 PMC100	MACE, W. D., JR. DRESS, DAVID A.,	L 2784D 1991/10/07	1212C 211	1,170.

E C N	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
1089587			ROTATOR, POLARIZATION	TSI INC F-THERMO-SYSTEMS INC	NONE	9102-13	MACE, W. D., JR.	DAVID A.,	L	3410D	1212C		1,985.
1091574			TABLE, RAIL	PARKER-HANNIFIN CORP	MOTION AN 5061151S-LN-N34		MACE, W. D., JR.	DAVID A.,	L	4295D	1212C		7,920.
1158086			CARD CAGE	MACRODYNE INC	193-023		MACE, W. D., JR.	DAVID A.,	L	26353D	1212C		20,980.
1258008			COMPUTER, MINI	HEWLETT-PACKARD CO	6047A80161	HP8000/433	MACE, W. D., JR.	DAVID A.,	L	82808C	1212C		42,022.
1258208			DISPLAY UNIT	HEWLETT-PACKARD CO	3145J19879	A1097C	MACE, W. D., JR.	DAVID A.,	NAS 1	19724	1212		3,375.
1258208			COMPUTER, MINI	HEWLETT-PACKARD CO	6232A05487	A2273A	MACE, W. D., JR.	DAVID A.,	NAS 1	19724	1212		32,011.
1259277			BREADBOARD, OPTICAL	NEWPORT/KLINGER FRMLY NEWPORT	B-1249	XAA8	MACE, W. D., JR.	DAVID A.,	L	41680D	1212C		4,317.
1259451			DISK DRIVE UNIT	HEWLETT-PACKARD CO	3141A01690	C2217T	MACE, W. D., JR.	DAVID A.,	NAS 1	19724	1212		2,889.
1612822			DISK DRIVE UNIT	SMART AND FRIENDLY INC	00333-008128	CD-RW428	MACE, W. D., JR.	DAVID A.,	B	DAA/0000	1212		599.
1873485			COMPUTER, MICRO	COMPAQ COMPUTER CORP	6720HVMP015	DESKPRO2000	MACE, W. D., JR.	DAVID A.,	L	6185	1212		5,500.
1873486			DISPLAY UNIT	NEFF INSTRUMENT CORP	7222537NA	UC1745-LMA1	MACE, W. D., JR.	DAVID A.,	L	6185	1212		400.
6078788			DISPLAY UNIT	SUN MICROSYSTEMS INC	009CNO983	HM4419S-DA-0L	MARTINOVIC, ZORAN N.	STAGGS, FREDERICK L.,	L	82919C	1237T		3,000.
1091277			DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	22M21632A	UC1532VMA-N	MARTINOVIC, ZORAN N.	STAGGS, FREDERICK L.,	L	10719D	1237T		784.

E C N	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
1091281			COMPUTER, MICRO NORTHGATE COMPUTER SYSTEMS		NONE	ELEGANCE SP433	MARTINOVIC, ZORAN N.	STAGGS, FREDERICK L.,	L	10719D	1237T	309	3,210.
1092335			COMPUTER, MINI SUN MICROSYSTEMS INC		211F1738 147B4/75		MARTINOVIC, ZORAN N.	STAGGS, FREDERICK L.,	NAS 1	19488	1237T	304	11,852.
1156274			DISK DRIVE UNIT TOTAL TEC SYSTEMS INC		11882 ST41200N		MARTINOVIC, ZORAN N.	STAGGS, FREDERICK L.,	L	17927D	1237T	304	2,144.
6073789			PRINTER, ADP QMS INC		0003058 10CSC110		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	71797C	1237T	210	7,190.
6074174			COMPUTER, MINI SILICON GRAPHICS INC		E0100344 GMN-8001W4D25TG		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	73889C	1237T	210	24,060.
6074175			DISPLAY UNIT SILICON GRAPHICS INC		YDC005458 CM2086A3SG(HITA		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	73889C	1237T	210	6,890.
1090773			DISK DRIVE UNIT TOSHIBA HOSHASEN CO LTD		1Z80200862 TXM3301E1		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	4917D	1237T	206	800.
1159068			DISPLAY UNIT APPLE COMPUTER INC		FS20754YA00 M3502		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	26535D	1237T	106	2,813.
1159067			PRINTER, ADP APPLE COMPUTER INC		CA23146D% M8000		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	L	26535D	1237T	206	2,673.
1159285			COMPUTER, MICRO APPLE COMPUTER INC		F12056D3724 MAC11CI		MASAD, JAMAL A.	STAGGS, FREDERICK L.,	1347-0001	1992/03/06	1237T	206	2,912.
6076013			DISPLAY UNIT DIGITAL EQUIPMENT CORP		FF02234995 VR299BDA		MEE, MARGARET M.	STAGGS, FREDERICK L.,	L	76880C	1237T	102	5,000.
0848118			COMPUTER, MICRO DIGITAL EQUIPMENT CORP		AB921067X6 VS42A-BC		MEE, MARGARET M.	STAGGS, FREDERICK L.,	L	53862C	1237T	102	8,875.
0848315			TRANSPORT, MAGNETIC TAPE EXABYTE CORP		520109 EXB8200		MEE, MARGARET M.	STAGGS, FREDERICK L.,	L	60564C	1237T	102	3,050.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		0849316	DISK DRIVE UNIT IMPRIMIS TECHNOLOGY, INC.	039042 94181-702	MEE, MARGARET M. STAGGS, FREDERICK L.,	L 57140C 1989/06/28	1237T 102	2,800.
		1263717	COMPUTER, MICRO GATEWAY 2000	2196168 BABY AT	MIDDLETON, MILDRED STAGGS, FREDERICK L.,	40820001 1994/09/15	1237 110	1,580.
		1261988	PRINTER, ADP APPLE COMPUTER INC	F14160LY108 M5890	MORRISON, JOSEPH H. THOMAS, JAMES L.,	NAS 1 20005 1994/05/04	1192E 109B	1,812.
		1423804	COMPUTER, MINI SILICON GRAPHICS INC	08006908B174 CANB007Y100	MORRISON, JOSEPH H. THOMAS, JAMES L.,	NAS 1 20006 1985/01/19	1192E 109B	22,808.
		1423808	DISPLAY UNIT SONY CORP	2414853 GDM20D11	MORRISON, JOSEPH H. THOMAS, JAMES L.,	NAS 1 20006 1985/01/19	1192E 109B	1,800.
		1087000	DISPLAY UNIT SUPERMAC TECHNOLOGY	2003837 STD9750	NASER, AHMAD S. STAGGS, FREDERICK L.,	L 97503C 1991/07/17	1237T 108	2,785.
		1423846	DIGITIZER, SCANNER PRESSURE SYSTEMS INC	0461 8425	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 62886D 1995/11/17	1265 110B	3,760.
		1423847	CALIBRATOR, PRESSURE PRESSURE SYSTEMS INC	1180 8432	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 62886D 1995/11/17	1265 110B	6,880.
		1431144	COMPUTER, MICRO MICRON ELECTRONICS	647323-0001 MSHIPPLUS-P166M	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	B DGF1126 1996/08/21	1265 113	2,093.
		1605031	MODULE, PRESSURE SCANNER PRESSURE SYSTEMS INC	A481077 ESP48	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 5542 1987/04/28	1265 131A	7,760.
		1875161	INTERFACE, SCANNER PRESSURE SYSTEMS INC	0755 9015	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 67368D 1998/01/28	1265 104	3,500.
		1875182	INTERFACE, SCANNER PRESSURE SYSTEMS INC	0756 9015	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 67368D 1998/01/28	1265 104	3,500.
		1875163	INTERFACE, SCANNER PRESSURE SYSTEMS INC	0757 9015	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 67368D 1998/01/28	1265 104	3,500.

E C N	NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
1875184		INTERFACE, SCANNER PRESSURE SYSTEMS INC	0758 8015	PETTY, JEFFREY L. ROSSER, DAVID C. JR.,	L 67368D 1988/01/28	1265 104	3,500.
6076483		TRANSPORT, MAGNETIC TAPE FIFTH GENERATION SYSTEMS INC	322-0003094 FASTBACKTAPE, FB	HAYES N. HOGGE, THOMAS W.,	L 80887C 1980/08/10	1168 129	1,395.
1155620		COMPUTER, MICRO APPLE COMPUTER INC	F12218DUJ24 M5780	PRESS, HAYES N. HOGGE, THOMAS W.,	L 18797D 1982/07/10	1168 129	2,830.
1155621		DISPLAY UNIT E-MACHINES INC	5202800 T16	PRESS, HAYES N. HOGGE, THOMAS W.,	L 18797D 1982/07/10	1168 129	1,629.
1257291		COMPUTER, MICRO APPLE COMPUTER INC	FC332D8RCAB M1205	PRESS, HAYES N. CONRY, SUSAN L.,	NAS 1 19468 1983/08/31	1237T 109	3,017.
1877292		COMPUTER, MICRO APPLE COMPUTER INC	X88174DZD6L M3979	PRESS, HAYES N. SCHUTTE, PAUL C.,	B ZCRD1055 1988/05/20	1232T 210	1,999.
1090186		COMPUTER, MICRO APPLE COMPUTER INC	F11331U0724 MACINTOSH1CI	QUACH, CUONG C. HOLT, ROBERT	L 7412D 1981/12/23	1299 216	3,084.
1092388		DISPLAY UNIT APPLE COMPUTER INC	7062050 M0401	QUACH, CUONG C. HOLT, ROBERT	L 13304D 1982/04/29	1299 216	886.
6073531		PRINTER, ADP GENICOM CORP	9001-5-38984 4470	RAWLS, JOHN W., JR. STAGGS, FREDERICK L.,	L 88926C 1980/02/06	1237T 106	9,980.
6073541		SERVER, NETWORK EMULEX CORP	BAR0811 PA016NL	RAWLS, JOHN W., JR. STAGGS, FREDERICK L.,	L 88924C 1980/02/07	1237T 106	2,858.
0081016		DISK DRIVE UNIT, CARTRIDGE IOMEGA	4309120011 8144X-APLS	RAWLS, JOHN W., JR. STAGGS, FREDERICK L.,	L 54941C 1989/04/20	1237T 104	1,541.
0062115		COMPUTER, MINI DIGITAL EQUIPMENT CORP	WF91705867 840QR-B2DV330T2	RAWLS, JOHN W., JR. STAGGS, FREDERICK L.,	L 54880C 1989/05/23	1237T 106	30,267.
0142703		EXPANSION BOX DIGITAL EQUIPMENT CORP	WF73314902 BA23A	RAWLS, JOHN W., JR. STAGGS, FREDERICK L.,	L 22479C 1987/08/27	1237T 106	3,689.

NEW	E C N	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
	0849084		PRINTER, ADP	APPLE COMPUTER INC	F7480XA	MO188	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS1 18054F	1988/02/28	1237T	105	2,942.
	1156057		DISK DRIVE UNIT	SEAGATE	TK50040G	ST41850N	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	L 17807D	1992/07/17	1237T	108	2,134.
	1157790		COMPUTER, MICRO	APPLE COMPUTER INC	F1031CSXM5885	I1CX	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	1-18000	1991/04/30	1237T	102	2,714.
	1159065		COMPUTER, MICRO	APPLE COMPUTER INC	F3247A4U673	M4300	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	L 28535D	1992/12/30	1237T	106	6,385.
	1256155		COMPUTER, MINI	DIGITAL EQUIPMENT CORP	AB24003027	PEB0A-A9	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS 1 18724	1993/08/30	1237T	104	23,856.
	1256158		DISPLAY UNIT	SONY CORP	22936271	GDM1961	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS 1 19724	1993/08/30	1237T	104	5,000.
	1264393		COMPUTER, MICRO	APPLE COMPUTER INC	X84382JT3YD	M1598	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS 1 20006	1994/10/12	1237T	104	2,127.
	1284398		DISPLAY UNIT	APPLE COMPUTER INC	S44351TA1XY	M1823	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS 1 20006	1994/10/12	1237T	104	1,886.
	1284435		PRINTER, ADP	APPLE COMPUTER INC	BG3281AU120	M2100	RAWLS, JOHN W., JR.	STAGGS, FREDERICK L.,	NAS 1 20006	1994/10/12	1237T	104	599.
	1879798		COMPUTER, MICRO	DIGITAL EQUIPMENT CORP	N184108436	SNB3EBU-SH	RAWLS, JOHN W., JR.	GRANDLE, ROBERT E.,	L 8419	1998/10/19	1208	305	9,077.
	1879799		DISPLAY UNIT	DIGITAL EQUIPMENT CORP	4K82356579	SNPCXAV-WZ	RAWLS, JOHN W., JR.	GRANDLE, ROBERT E.,	L 8419	1998/10/19	1208	305	1,243.
	1091181		COMPUTER, MICRO	GATEWAY 2000	481188	B922512AM	RODDERS, WILLIAM G.,	WRIGHT, ANNIE P.,	L 10013D	1992/03/03	1237T	T-2	2,840.
	1873234		DISK DRIVE UNIT	SMART AND FRIENDLY INC	00293-001181	CD-R4006PRO EXT	RODDERS, WILLIAM G.,	WRIGHT, ANNIE P.,	B DC01114	1997/08/08	1237T	219	999.

ECN	NEW	OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
1424848			COMPUTER, MICRO SWAN TECHNOLOGIES INC	0113246 486VL8-B	RUF, EDWARD G. MIDDLETON, TROY F.,	NAS 1 20008 1995/04/27	1221B .147	2,473.
1427722			DISPLAY UNIT NANA0-USA	53571072 MA2071	RUF, EDWARD G. MIDDLETON, TROY F.,	MISC 1995/11/22	1221B .147	80,100.
1874123			COMPUTER, MICRO MICRON ELECTRONICS	985249-0001 P11286MT	RUF, EDWARD G. MIDDLETON, TROY F.,	L 68880D 1997/08/22	1221C 147	3,087.
1093483			DISPLAY UNIT NANA0-USA	47970812-USZA MA1880	RUSSELL, JAMES W. STAGGS, FREDERICK L.,	80330121400 1992/08/17	1237T 103	1,275.
1093487			COMPUTER, MICRO GATEWAY 2000	0821474 488/33C	RUSSELL, JAMES W. STAGGS, FREDERICK L.,	80330121400 1992/08/17	1237T 103	2,320.
1264434			PRINTER, ADP APPLE COMPUTER INC	8G332143120 M2100	RUSSELL, JAMES W. STAGGS, FREDERICK L.,	NAS 1 20008 1994/10/12	1237T 103	599.
1259384			COMPUTER, MINI SILICON GRAPHICS INC	08006907C7C78E CMNB007	SANETRIK, MARK D. THOMAS, JAMES L.,	NAS 1 20003 1994/01/08	1192E .109A	40,985.
1282007			DISK DRIVE UNIT KINGSTON TECHNOLOGY CORP	094880 DS100SF	SANETRIK, MARK D. THOMAS, JAMES L.,	L 49087D 1994/05/18	1192E .109A	2,250.
1877922			DISPLAY UNIT SONY CORP	203J968 GDM20E21	SANETRIK, MARK D. THOMAS, JAMES L.,	NAS 1 20003 1998/08/15	1192E .109A	1,800.
0020394			MULTIMETER, DIGITAL FLUKE JOHN MFG CO INC	4870008 8050A	SCALES, EDGAR F. SAWYER, JOSEPHINE L.,	L 54437C 1989/04/05	1230 .188	399.
0259411			SYNTHESIZER, FREQUENCY HEWLETT-PACKARD CO	1640A02082 3335A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	NAS 1-17238 1983/03/30	1230 .188	9,100.
0259415			POWER SUPPLY HEWLETT-PACKARD CO	2143A00302 8418B	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	NAS 1 17238 1988/09/09	1230 .188	3,725.
0259892			DISPLAY, POLAR HEWLETT-PACKARD CO	2145A00401 8414B	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	NAS 1 17238 1983/03/30	1230 .188	3,500.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		0259993	ANALYZER, NETWORK HEWLETT-PACKARD CO	2138A00577 8410C	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	NAS 1 17238 1983/03/30	1230 .188	8,825.
		0259994	PHASE METER HEWLETT-PACKARD CO	2143A00523 8412B	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	NAS 1 17238 1983/03/30	1230 .188	4,100.
		0467283	BRIDGE, IMPEDANCE GENRAD INC EMT ELECTRONIC TEST	889 1808A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	L 69453 1985/08/01	1230B 188	1,305.
		0467877	COUNTER, FREQUENCY HEWLETT-PACKARD CO	5134 5245L	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	NS13800 1988/04/01	1230 .188	2,984.
		0467885	VOLTMETER, DIFFERENTIAL HEWLETT-PACKARD CO	1108A01742 740B	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	L 47550A 1978/07/28	1230 .188B	4,014.
		0468241	GENERATOR, SIGNAL, FM-AM HEWLETT-PACKARD CO	537-07720 202H	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	NS16384 1988/09/01	1230 .188	1,482.
		0468419	OSCILLOSCOPE, GENERAL PURPOSE TEKTRONIX INC	8282047 7904	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	L 35871B 1982/03/11	1230 133B	7,178.
		0468563	VOLTMETER, DIGITAL HEWLETT-PACKARD CO	1822A03814 3455A	SCALES, EDGAR F. SAWYER, JOSEPHINE L.	L 84870A 1978/10/28	1230 .188	3,388.
		0468868	PHASE METER, DIGITAL HEWLETT-PACKARD CO	1450A03071 3575A MODIFIED	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	L 7553B 1980/04/14	1230 133B	4,228.
		0473855	METER, IMPEDANCE, VECTOR HEWLETT-PACKARD CO	840-00120 4800A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	NS18400 1987/02/01	1230 .188	1,597.
		0777890	PLUG-IN, COMPARATOR, O'SCOPE TEKTRONIX INC	B132780 7A13	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	L 8210A 1981/08/25	1230 .188	1,212.
		0778321	PLUG-IN, AMPLIFIER, O'SCOPE TEKTRONIX INC	B040425 7A18A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	EMS MEMO 1984/11/02	1230 133B	1,095.
		0778322	PLUG-IN, AMPLIFIER, O'SCOPE TEKTRONIX INC	B04042B 7A18A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.	EMS MEMO 1984/11/02	1230 133A	1,095.

NEW	OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
	0791046	PLUG-IN, AMPLIFIER, O'SCOPE TEKTRONIX INC	8257918 7A26	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 18251C 1987/04/08	1230 1338	2,232.
	0791049	PLUG-IN, CURVE TRACER, O'SCOPE TEKTRONIX INC	8054450 7CTIN	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 18251C 1987/04/14	1230 1338	1,695.
	0791050	AMPLIFIER, VERTICAL TEKTRONIX INC	8010989 7A42	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 18251C 1987/04/14	1230 1338	5,044.
	0791085	PLUG-IN, COMPARATOR, O'SCOPE TEKTRONIX INC	0105171 7A13	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 18251C 1987/05/15	1230 1338	3,230.
	0801189	ANALYZER, SPECTRUM, PLUG-IN TEKTRONIX INC	8111038 7L13	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 17905D 1992/07/13	1230 .168	3,000.
	0801845	CONVERTER, FREQUENCY TEKTRONIX INC	8011461 DC505A	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	F05 1992/07/21	1230 .168	1,592.
	0801846	GENERATOR, SQUARE WAVE TEKTRONIX INC	8033261 PG506	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	F05 1992/07/21	1230 .168	2,000.
	1091868	COMPUTER, MICRO APPLE COMPUTER INC	F12056FTC82 M5920	SCALES, EDGAR F. WINCHESKI, RUSSELL A.,	L 11973D 1992/03/30	1230 168	3,547.
	0398671	PLOTTER, GRAPHICS HEWLETT-PACKARD CO	2548A02341 57868(HB86A)	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	NAS 1 18305 1986/09/05	1237T 212	23,765.
	1084394	DISK DRIVE UNIT TRIMARCHI INC	01917371 DA15-3H1	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	L 90514C 1991/03/05	1237T 208	8,813.
	1158443	COPIER, ENGINEERING XEROX CORP	646037531 2510	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	DD1342 1990/02/07	1237T 212	4,590.
	1158826	DISPLAY UNIT SILICON GRAPHICS INC	003151 D3M92A	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	NAS 1 19468 1992/11/18	1237T 208	1,560.
	1255020	COMPUTER, MINI SILICON GRAPHICS INC	35257938 CMNB0038	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	NAS 1 19468 1992/11/18	1237T 208	18,170.

NEW	OLD	E C N	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
		1255067	COMPUTER, MICRO APPLE COMPUTER INC	F331739LCC7 M1206	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	L 25598D 1993/05/11	1237T 208	3,181.
		1257432	DISPLAY UNIT RADIUS INC	3280439 0381	SCHMIDT, IRVIN H. STAGGS, FREDERICK L.,	L 36448D 1993/09/01	1237T 208	2,485.
		1091861	DISPLAY UNIT E-MACHINES INC	19186 GDM1601	SIMMON, DAVID A. HOGGE, THOMAS W.,	L 11432D 1992/03/17	1168 .102	1,750.
		1092803	COMPUTER, MICRO APPLE COMPUTER INC	F12152CKC83 MS920	SIMMON, DAVID A. CONRY, SUSAN L.,	L 15647D 1992/05/06	1237T .214	4,427.
		0020621	MULTIMETER, DIGITAL FLUKE JOHN MFG CO INC	48102916 87	SIMPSON, JOHN W. SAWYER, JOSEPHINE L.,	L 58721C 1989/08/14	1230B .115	233.
		0464497	MICROSCOPE BAUSCH AND LOMB INC	NONE NONE	SIMPSON, JOHN W. WINCHESKI, RUSSELL A.,	NAS 1 10512 1983/06/20	1230 115	1,000.
		1876401	COMPUTER, MICRO APPLE COMPUTER INC	X87391P7ACQ MS433	SIMPSON, JOHN W. WINCHESKI, RUSSELL A.,	NAS 1 20497 1998/02/25	1230 118	3,407.
		1876402	DISPLAY UNIT APPLE COMPUTER INC	WR7460W3947 M3705	SIMPSON, JOHN W. WINCHESKI, RUSSELL A.,	NAS 1 20487 1998/02/25	1230 115	1,589.
		1876403	PRINTER, ADP APPLE COMPUTER INC	BG73803P9WX M2450	SIMPSON, JOHN W. WINCHESKI, RUSSELL A.,	NAS 1 20497 1998/02/25	1230 159	2,244.
		0847993	DISPLAY UNIT APPLE COMPUTER INC	5088236 M0401	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	89268-1 1989/10/13	1237T 308	652.
		0847994	COMPUTER, MICRO APPLE COMPUTER INC	NONE MS000	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	89269-1 1989/10/13	1237T 308	3,505.
		1084876	COMPUTER, MICRO APPLE COMPUTER INC	F11072JF MS780(11CI)	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 87087C 1991/03/28	1237T 309	4,321.
		1088518	DISPLAY UNIT SUN MICROSYSTEMS INC	9128DX0020 GDM19628	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 99157C 1991/08/19	1237T 308	600.

ECN NEW OLD	DESCRIPTION MANUFACTURER	SERIAL NO MODEL NO	USER NAME CUST NAME	ACQ DOCUMENT ACQ DATE	BLDG ROOM	COST
1088519	COMPUTER, MICRO SUN MICROSYSTEMS INC	125F0035 1478	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 99157C 1991/08/19	1237T 308	14,789.
1088520	TRANSPORT, MAGNETIC TAPE SUN MICROSYSTEMS INC	130G2931 411	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 99157C 1991/08/19	1237T 308	1,280.
1089822	DISPLAY UNIT E-MACHINES INC	5201205 1108T16	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 5635D 1991/12/03	1237T 308	2,795.
1155648	TRANSPORT, MAGNETIC TAPE TOTAL TEC SYSTEMS INC	38237 D5PE113	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 16311D 1992/07/02	1237T 308	1,256.
1159718	PRINTER, ADP APPLE COMPUTER INC	CA2303BH M8000	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 2858BD 1993/02/01	1237T 309	2,555.
1255853	COMPUTER, MICRO APPLE COMPUTER INC	F331372Y677 M4300	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	L 3333BD 1993/05/20	1237T 303	5,223.
1259187	DISK DRIVE UNIT ANDATACO	TK608272 X185551AX255X	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	NAS 1 20004 1993/12/08	1237T 308	2,898.
1262543	DISK DRIVE UNIT ANDATACO	00003133 X240S32D3255X	SPAIN, CHARLES V. STAGGS, FREDERICK L.,	NAS 1 20004 1994/08/29	1237T 308	4,748.
1083066	DISPLAY UNIT NEC INFORMATION SYSTEMS INC	24K24810C JC1531VMA	STEAD, DANIEL J. STAGGS, FREDERICK L.,	L 13019D 1992/05/22	1237T 106	825.
6078800	COMPUTER, MICRO APPLE COMPUTER INC	F103510C740 M57801ICI	STOCKWELL, ALAN STAGGS, FREDERICK L.,	L 84107C 1990/10/15	1237T 212	4,186.
1084422	COMPUTER, MICRO APPLE COMPUTER INC	F3049MG1C40 M5525	STOCKWELL, ALAN STAGGS, FREDERICK L.,	L 89708C 1991/03/06	1237T 209	8,242.
1083186	DISPLAY UNIT APPLE COMPUTER INC	S12102N9D07 M1298	STOCKWELL, ALAN STAGGS, FREDERICK L.,	NAS 1 19468 1992/06/02	1237T 212	1,199.
1430138	COMPUTER, MICRO POWER COMPUTING CORP	00008848 POWER TOWER604/	STOCKWELL, ALAN STAGGS, FREDERICK L.,	NAS 1 20005 1998/07/17	1237T 212	6,113.

E C N	NEW	OLD	DESCRIPTION	MANUFACTURER	SERIAL NO	MODEL NO	USER NAME	CUST NAME	ACQ DOCUMENT	ACQ DATE	BLDG	ROOM	COST
6078325			PRINTER, ADP APPLE COMPUTER INC		CA028Z69	M6000	SWAIN, MARY H.	STAGGS, FREDERICK L.,	L	83177C	1237T		2,822.
0847563			DISPLAY UNIT COMPAQ COMPUTER CORP		4AC784	420	SWEET, JON L.	SCHAFFNER, PHILIP R.,	L	81937C	1299		480.
1092985			COMPUTER, MICRO APPLE COMPUTER INC		CK2111YX703	M5409	THOMAS, MILFRED E.	WINCHESKI, RUSSELL A.,	L	14675D	1230		3,510.
1878045			PLOTTER, GRAPHICS SUMMAGRAPHS CORP		719508-00038	H17100	THOMAS, MILFRED E.	WINCHESKI, RUSSELL A.,	L	74901C	1230		4,218.
1878307			COMPUTER, MICRO DELL COMPUTER CORP F-PC'S LTD		DONPG	MMP	THOMAS, MILFRED E.	WINCHESKI, RUSSELL A.,	L	7387	1230B		4,212.
1878308			DISPLAY UNIT DELL COMPUTER CORP F-PC'S LTD		2707891	D1626HT	THOMAS, MILFRED E.	WINCHESKI, RUSSELL A.,	L	7367	1230B		700.
0932710			MAILING MACHINE PITNEY-BOWES INC		51484	8220	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	DD1342	1990/03/07	1237T		3,911.
1158089			COMPUTER, MICRO GATEWAY 2000		0694678	DESKTOP	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	L	17567D	1237T		2,650.
1157795			PRINTER, ADP HEWLETT-PACKARD CO		3049J013PE	334771A	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	NAS 1	19000	1237T		817.
1157802			FACSIMILE SET MURATA BUSINESS SYSTEMS INC		2195	F70	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	22020001	1992/12/28	1237T		1,350.
1158459			PRINTER, ADP APPLE COMPUTER INC		923367	ZNT	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	NAS 1-19000	1991/09/03	1237T		3,100.
1255444			BINDING MACHINE GENERAL BINDING CORP		FB08533	470KM	VARNEY, ROSE-MARIE E	STAGGS, FREDERICK L.,	NAS 1	19000	1237T		1,537.
1087162			SCANNER, COMPUTER LACIE LTD		034814	SILVERSCANNER	WARRINGTON, DAVID S.	SMITH, CARISSA T.,	L	99180C	1293C		1,999.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 135	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 4	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE --	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

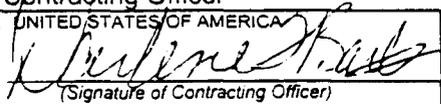
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by the amount of \$402,973 (\$412,413 for cost and -9,440 for fee). This net amount is as a result of (1) adding incremental funding of \$416,454 (\$389,567 for cost and \$26,887 for fee); and (2) there was \$36,327 of unearned award fee from the Fifth Award Fee Period. \$22,846 is being transferred to cost, and \$13,481 is being deobligated. Accordingly, the Contract Schedule is hereby revised as follows:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$39,210,735 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,519,393 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 3/2/99

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DA.1083	99	M3684	99220033100	\$50,000	DA24	OBL/COMPLETE
DAC.1083	99	R24138	53707511000	\$174,000	DA25	OBL/COMPLETE
DCO.1188	98	R20708	505-64-12-58	\$61,000	DC27	OBL/COMPLETE
DFB.3887	99	H2321S	53803120200	\$31,690	DF21	OBL/COMPLETE
DI.1251	99	R22264	25870210600	\$26,845	DI22	OBL/COMPLETE
DI.1251	99	R24055	25880001000	\$7,919	DI22	OBL/COMPLETE
DSI.1888	99	R23998	24271340100	\$65,000	DS09	OBL/COMPLETE
DAC.1053	98	R23176	52231610300	-\$90	DA02	DEOB/COMPLETE
DAA.2033	99	R22942	53814140100	-\$280	DA08	DEOB/COMPLETE
DAE.1267	99	R23916	52225410300	-\$457	DA09	DEOB/COMPLETE
DAE.1268	99	R23071	52232310100	-\$284	DA10	DEOB/COMPLETE
DAE.1269	99	M3692	99220033100	-\$364	DA14	DEOB/COMPLETE
DAA.1990	98	R22943	52222310100	-\$139	DA15	DEOB/COMPLETE
BA.1095	98	R23452	50590590600	-\$638	DA17	DEOB/COMPLETE
DAB.1114	99	R22900	24280010100	-\$245	DA19	DEOB/COMPLETE
DAC.1081	99	R23175	52222310100	-\$715	DA21	DEOB/COMPLETE
DAA.2013	98	R9970	50559874900	-\$34	DA22	DEOB/COMPLETE
GGK.1494	94	C295302	29532010000	-\$170	DA23	DEOB/COMPLETE
DCO.1127	98	R20896	538-04-11-17	-\$166	DC15	DEOB/COMPLETE
DCK.1158	99	R22991	52235110300	-\$390	DC19	DEOB/COMPLETE
DCP.1260	99	R22885	52214110300	-\$155	DC22	DEOB/COMPLETE
DCM.1316	98	R23002	52225410100	-\$54	DC28	DEOB/COMPLETE
DFB.3838	98	H2321A	53803120100	-\$63	DF06	DEOB/COMPLETE
DFB.3864	99	H2342S	53803140100	-\$350	DF09	DEOB/COMPLETE
DFL1465	98	r22942	53814140100	-\$34	DF17	DEOB/COMPLETE
DFC.3658	99	H2313A	53803110100	-\$218	DF18	DEOB/COMPLETE
DFC.3680	99	R21931	52211210100	-\$1,439	DF19	DEOB/COMPLETE
DFB.3824	98	H2321S	53803120200	-\$83	DF21	DEOB/COMPLETE
DA.1082	99	R23845	52211710600	-\$218	DF24	DEOB/COMPLETE
DFM.1299	99	R23063	52231810300	-\$52	DF25	DEOB/COMPLETE
DAB.1112	99	R22900	24280010100	-\$284	DG03	DEOB/COMPLETE
DI.1208	98	R22272	25870210800	-\$232	DI08	DEOB/COMPLETE
DI.1240	99	R21838	52214210200	-\$187	DI11	DEOB/COMPLETE
DI.1244	99	R23933	52224210600	-\$1,120	DI13	DEOB/COMPLETE
DI.1241	98	R21679	96221005000	-\$517	DI17	DEOB/COMPLETE
DI.1245	99	R23811	52214210300	-\$682	DI18	DEOB/COMPLETE
DIH.1471	99	R23904	54881110400	-702	DI19	DEOB/COMPLETE
DMC.4863	98	R20236	29740000100	-46	DM21	DEOB/COMPLETE
DMC.4923	99	R23011	52218110100	-\$228	DM42	DEOB/COMPLETE
DMH.1518	98	R21887	52232110200	-\$223	DM44	DEOB/COMPLETE
DMF.5268	99	R23800	53813120200	-\$237	DM45	DEOB/COMPLETE
DMB.5087	99	H15189	53706322000	-\$450	DM48	DEOB/COMPLETE
DMF.5291	99	H15325	53706473000	-\$156	DM52	DEOB/COMPLETE
DMC.4911	99	H15190	537-06-33-20	-\$213	DM53	DEOB/COMPLETE
DSL.1371	98	H15191	53706342000	-\$31	DS05	DEOB/COMPLETE
DSI.1882	99	R21889	52910110100	-\$232	DS10	DEOB/COMPLETE
DSI.1865	99	H15192	53706352000	-\$504	DS11	DEOB/COMPLETE
DSK.1242	99	R23021	63210140500	-\$198	DS13	DEOB/COMPLETE
DSD.1629	99	H15340	53709410200	-\$510	DS14	DEOB/COMPLETE
DSK.1233	98	R22989	52212610100	-91	DS16	DEOB/COMPLETE

\$402,973

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 MODIFICATION NO. 135
 PAGE 2 OF 7

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No. 1		0	0	0	\$1,700,026
Mod. No. 2		0	0	0	\$28,600
Mod. No. 3		0	0	0	\$112,000
Mod. No. 4		0	0	0	\$50,000
Mod. No. 5		0	0	0	-\$82,800
Mod. No. 6		0	0	0	\$50,000
Mod. No. 7		0	0	0	-\$18,594
Mod. No. 8		0	0	0	\$123,600
Mod. No. 9		0	0	0	\$66,345
Mod. No. 10		0	0	0	\$194,795
Mod. No. 11		0	0	0	\$82,000
Mod. No. 12		0	0	0	\$298,000
Mod. No. 13		0	0	0	\$832,608
Mod. No. 14		0	0	0	\$2,038,096
Mod. No. 15		0	0	0	\$1,147,292
Mod. No. 16		0	0	0	\$810,237
Mod. No. 17		0	0	0	\$1,346,484
Mod. No. 18		0	0	0	\$1,531,825
Mod. No. 19		0	0	0	\$334,753
Mod. No. 20		0	0	0	\$281,502
Mod. No. 21		0	0	0	\$86,747
Mod. No. 22		0	0	0	\$91,541
Mod. No. 23		0	0	0	\$49,802
Mod. No. 24		0	0	0	\$50,916
Mod. No. 25		0	0	0	\$5,948
Mod. No. 26		0	0	0	\$24,737
Mod. No. 27		13,845,044	957,148	14,802,192	\$0
Mod. No. 28		0	0	0	\$174,099
Mod. No. 29		0	0	0	\$0
Mod. No. 30		0	0	0	\$673
Mod. No. 31		0	0	0	\$0
Mod. No. 32		0	0	0	\$200,000
Mod. No. 33		0	0	0	\$224,219
Mod. No. 34		0	0	0	\$35,618
Mod. No. 35		0	0	0	\$126,106
Mod. No. 36		0	0	0	\$111,685
Mod. No. 37		0	0	0	\$60,122
Mod. No. 38		0	0	0	\$151,000
Mod. No. 39		0	0	0	\$74,822
Mod. No. 40		0	0	0	\$40,000
Mod. No. 41		0	0	0	\$85,000
Mod. No. 42		0	0	0	\$286,761
Mod. No. 43		0	0	0	\$189,511
Mod. No. 44		0	0	0	\$83,000
Mod. No. 45		0	0	0	\$164,560
Mod. No. 46		0	0	0	\$84,081
Mod. No. 47		0	0	0	\$75,000
Mod. No. 48		0	0	0	\$54,635
Mod. No. 49		0	0	0	\$243,065
Mod. No. 50		0	0	0	\$26,988
Mod. No. 51		0	0	0	\$96,162
Mod. No. 52		0	0	0	\$59,226

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	53	0	0	0	\$0
Mod. No.	54	0	0	0	\$321,700
Mod. No.	55	0	0	0	\$90,000
Mod. No.	56	0	0	0	\$82,268
Mod. No.	57	0	0	0	\$158,025
Mod. No.	58	0	0	0	\$337,539
Mod. No.	59	0	0	0	\$72,177
Mod. No.	60	0	0	0	\$137,790
Mod. No.	61	0	0	0	\$68,241
Mod. No.	62	0	0	0	\$163,252
Mod. No.	63	0	0	0	\$212,523
Mod. No.	64	0	0	0	\$5,000
Mod. No.	65	0	0	0	\$161,000
Mod. No.	66	0	0	0	-\$1,500
Mod. No.	67	0	0	0	\$25,012
Mod. No.	68	0	0	0	\$81,617
Mod. No.	70	0	0	0	\$42,500
Mod. No.	71	0	0	0	\$170,400
Mod. No.	72	0	0	0	\$137,450
Mod. No.	73	0	0	0	\$17,017
Mod. No.	74	0	0	0	-\$219,587
Mod. No.	75	0	0	0	\$53,105
Mod. No.	76	0	0	0	\$84,000
Mod. No.	77	0	0	0	\$26,000
Mod. No.	78	0	0	0	\$59,923
Mod. No.	79	0	0	0	\$111,200
Mod. No.	80	0	0	0	\$45,000
Mod. No.	81	0	0	0	\$228,268
Mod. No.	82	0	0	0	\$116,081
Mod. No.	83	0	0	0	\$54,756
Mod. No.	84	0	0	0	\$358,138
Mod. No.	85	0	0	0	\$626,792
Mod. No.	86	0	0	0	\$172,534
Mod. No.	87	0	0	0	\$1,489,768
Mod. No.	88	0	0	0	\$261,615
Mod. No.	89	0	0	0	\$432,103
Mod. No.	90	0	0	0	\$654,540
Mod. No.	91	0	0	0	\$385,962
Mod. No.	92	0	0	0	\$223,773
Mod. No.	93	0	0	0	\$690,943
Mod. No.	94	0	0	0	\$393,792
Mod. No.	95	0	0	0	\$414,946
Mod. No.	96	0	0	0	\$211,276
Mod. No.	97	0	0	0	\$361,112
Mod. No.	98	0	0	0	\$205,292
Mod. No.	99	0	0	0	\$266,333
Mod. No.	100	0	0	0	\$119,291
Mod. No.	101	0	0	0	\$0
Mod. No.	102	0	0	0	\$251,928
Mod. No.	103	9,828,545	679374	10,507,919	\$210,774
Mod. No.	104	0	0	0	\$121,964
Mod. No.	105	0	0	0	\$33,512
Mod. No.	106	0	0	0	\$842,780
Mod. No.	107	0	0	0	\$442,761
Mod. No.	108	0	0	0	\$362,407
Mod. No.	109	0	0	0	\$167,861
Mod. No.	110	0	0	0	\$267,166
Mod. No.	111	0	0	0	\$294,021
Mod. No.	112	0	0	0	\$938,221
Mod. No.	113	0	0	0	\$1,393,672
Mod. No.	114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Mod. No. 132	0	0	0	\$554,738
Mod. No. 133	0	0	0	\$0
Mod. No. 134	0	0	0	\$448,880
Mod. No. 135	0	0	0	\$402,973
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$41,730,128

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$162,742	\$11,258	\$174,000	DA25
\$46,765	\$3,235	\$50,000	DA24
\$57,052	\$3,948	\$61,000	DC27
\$29,700	\$1,990	\$31,690	DF21
\$32,514	\$2,250	\$34,764	DI22
\$60,794	\$4,206	\$65,000	DS09
\$0	-\$90	-\$90	DA02
\$1,488	-\$1,488	\$0	DA06
\$0	-\$280	-\$280	DA08
\$0	-\$457	-\$457	DA09
\$0	-\$284	-\$284	DA10
\$0	-\$364	-\$364	DA14
\$0	-\$139	-\$139	DA15
\$863	-\$863	\$0	DA16
\$0	-\$638	-\$638	DA17
\$227	-\$227	\$0	DA18
\$0	-\$245	-\$245	DA19
\$975	-\$975	\$0	DA20
\$0	-\$715	-\$715	DA21
\$0	-\$34	-\$34	DA22
\$0	-\$170	-\$170	DA23
\$212	-\$212	\$0	DC08
\$113	-\$113	\$0	DC12
\$0	-\$166	-\$166	DC15
\$0	-\$390	-\$390	DC19
\$167	-\$167	\$0	DC20
\$543	-\$543	\$0	DC21
\$0	-\$155	-\$155	DC22
\$650	-\$650	\$0	DC23
\$965	-\$965	\$0	DC24

Cost	Award Fee	Total	
\$963	-\$963	\$0	DC25
\$719	-\$719	\$0	DC26
\$388	-\$388	\$0	DC27
\$0	-\$54	-\$54	DC28
\$0	-\$63	-\$63	DC06
\$189	-\$189	\$0	DF08
\$0	-\$350	-\$350	DF09
\$0	-\$34	-\$34	DF17
\$0	-\$218	-\$218	DF18
\$0	-\$1,439	-\$1,439	DF19
\$885	-\$885	\$0	DF20
\$0	-\$83	-\$83	DF21
\$429	-\$429	\$0	DF22
\$108	-\$108	\$0	DF23
\$0	-\$218	-\$218	DF24
\$0	-\$52	-\$52	DF25
\$85	-\$85	\$0	DF26
\$491	-\$491	\$0	DG01
\$0	-\$284	-\$284	DG03
\$338	-\$338	\$0	DI01
\$0	-\$232	-\$232	DI08
\$243	-\$243	\$0	DI09
\$0	-\$187	-\$187	DI11
\$397	-\$397	\$0	DI12
\$0	-\$1,120	-\$1,120	DI13
\$406	-406	\$0	DI16
\$0	-517	-\$517	DI17
\$0	-682	-\$682	DI18
\$0	-702	-\$702	DI19
\$851	-851	\$0	DI20
\$269	-269	\$0	DI21
\$26	-26	\$0	DI22
\$0	-46	-\$46	DM21
\$105	-105	\$0	DM29
\$698	-698	\$0	DM32
\$31	-31	\$0	DM41
\$0	-228	-\$228	DM42
\$276	-276	\$0	DM43
\$0	-223	-\$223	DM44
\$0	-237	-\$237	DM45
\$455	-455	\$0	DM46
\$205	-205	\$0	DM47
\$0	-450	-\$450	DM48
\$2,389	-2,389	\$0	DM49
\$127	-127	\$0	DM50
\$868	-868	\$0	DM51
\$0	-156	-\$156	DM52
\$0	-213	-\$213	DM53
\$757	-757	\$0	DM54

	Cost	Award Fee	Total	
	\$156	-156	\$0	DO00
	\$0	-31	-\$31	DS05
	\$1,837	-1,837	\$0	DS09
	\$0	-232	-\$232	DS10
	\$0	-504	-\$504	DS11
	\$240	-240	\$0	DS12
	\$0	-198	-\$198	DS13
	\$0	-510	-\$510	DS14
	\$1,219	-1,219	\$0	DS15
	\$0	-91	-\$91	DS16
	\$493	-493	\$0	DS17
THIS MOD	\$412,413	-\$9,440	\$402,973	
PREVIOUS	\$38,798,322	\$2,528,833	\$41,327,155	
TOTALS	\$39,210,735	\$2,519,393	\$41,730,128	

NAS1-96014
MODIFICATION NO. 135
PAGE 7 OF 7

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 136		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 4	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

- (a) By completing Items 8 and 15, and returning _____ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

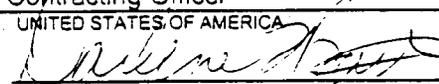
The purpose of this modification is to increase the incremental funding by the amount of \$627,708 (\$577,786 for cost and \$49,922 for fee). Accordingly, the Contract Schedule is hereby revised as follows:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$39,788,521 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,569,315 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/8/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCL.1143	99	R23938	52233410100	\$30,000	DC08	OBL/COMPLETE
DCL.1143	99	R23998	24271340100	\$100,000	DC08	OBL/COMPLETE
DCM.1320	99	R23000	52221510100	\$30,000	DC26	OBL/COMPLETE
DI.1250	99	R24055	25880001000	-\$2,524	DI13	OBL/COMPLETE
DI.1254	99	R24092	10115015000	\$37,000	DI21	OBL/COMPLETE
DIG.1316	99	R23812	51930210100	\$45,264	DI20	OBL/COMPLETE
DMC.4932	99	H15325	53706473000	\$35,000	DM56	OBL/COMPLETE
DMC.4947	98	R23561	52218115000	\$5,003	DM50	OBL/COMPLETE
DMF.5310	99	R23998	24271340100	\$102,835	DM54	OBL/COMPLETE
DMF.5307	99	R23998	24271340100	\$50,000	DM51	OBL/COMPLETE
DSI.1897	99	H15329	53706493000	\$145,130	DS17	OBL/COMPLETE
DSI.1897	99	R23830	53813120400	\$50,000	DS17	OBL/COMPLETE

\$627,708

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	115	0	0	0	\$389,519
Mod. No.	116	0	0	0	\$0
Mod. No.	117	0	0	0	\$223,441
Mod. No.	118	0	0	0	-\$60,583
Mod. No.	119	0	0	0	-\$71,323
Mod. No.	120	0	0	0	\$215,401
Mod. No.	121	0	0	0	\$316,453
Mod. No.	122	0	0	0	\$278,666
Mod. No.	123	0	0	0	\$402,261
Mod. No.	124	0	0	0	\$1,973,725
Mod. No.	125	0	0	0	\$782,189
Mod. No.	126	0	0	0	\$737,346
Mod. No.	127	0	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No.	129	\$0	\$0	\$0	\$469,922
Mod. No.	130	0	0	0	\$412,597
Mod. No.	131	0	0	0	\$500,533
Mod. No.	132	0	0	0	\$554,738
Mod. No.	133	0	0	0	\$0
Mod. No.	134	0	0	0	\$448,880
Mod. No.	135	0	0	0	\$402,973
Mod. No.	136	0	0	0	\$627,708
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$42,357,836

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
	\$28,059	\$1,941	\$30,000	DC26
	\$34,606	\$2,394	\$37,000	DI21
	\$41,675	\$3,589	\$45,264	DI20
	\$4,518	\$485	\$5,003	DM50
	\$95,417	\$7,418	\$102,835	DM54
	\$32,735	\$2,265	\$35,000	DM56
	\$46,765	\$3,235	\$50,000	DM51
	\$182,505	\$12,625	\$195,130	DS17
	\$121,589	\$8,411	\$130,000	DC08
	-\$10,083	\$7,559	-\$2,524	DI13
THIS MOD	\$577,786	\$49,922	\$627,708	
PREVIOUS	\$39,210,735	\$2,519,393	\$41,730,128	
TOTALS	\$39,788,521	\$2,569,315	\$42,357,836	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 137		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 4	5. PROJECT NO. (If applicable)
---------------------------------------------	--	-------------------------------------------	-------------------------------------------------------	--------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the incremental funding by the amount of \$426,837 (\$394,570 for cost and \$32,267 for fee); revise the Award Fee Plan, and to revise Exhibit D under PART III—LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS. Accordingly, the Contract Schedule is hereby revised as follows:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$40,183,091 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,601,582 is obligated under this contract for payment of fee”.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Darlene T. Baxter Contracting Officer	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
18B. UNITED STATES OF AMERICA BY <i>Darlene T. Baxter</i> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 3/30/96

FILE COPY

- B. Under paragraph I.17 – AWARD FEE FOR SERVICE CONTRACTS, revise page 3 of the Award Fee Evaluation Plan per Attachment 1.
- C. Under LIST OF DOCUMENTS, EXHIBITS AND ATTACHMENTS, revise Exhibit D, Contract Security Classification Specification, DD Form 254, to read per the attached form.

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.2013	98	R9970	50559874900	-\$830	DA22	DEOBL/COMPLETE
DAE.1297	99	R21827	52251312000	\$47,247	DG01	OBL/COMPLETE
DAF.0410	99	R21828	52251311000	\$150,420	DA20	OBL/COMPLETE
DCK.1166	99	H15338	53709410100	\$120,000	DC25	OBL/COMPLETE
DCM.1322	99	R22966	52235110100	\$35,000	DC26	OBL/COMPLETE
DI.1253	99	R23811	52214210300	\$75,000	DI18	OBL/COMPLETE

\$426,837

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	\$389,519
Mod. No.	116	0	0	0	\$0
Mod. No.	117	0	0	0	\$223,441
Mod. No.	118	0	0	0	-\$60,583
Mod. No.	119	0	0	0	-\$71,323
Mod. No.	120	0	0	0	\$215,401
Mod. No.	121	0	0	0	\$316,453
Mod. No.	122	0	0	0	\$278,666
Mod. No.	123	0	0	0	\$402,261
Mod. No.	124	0	0	0	\$1,973,725
Mod. No.	125	0	0	0	\$782,189
Mod. No.	126	0	0	0	\$737,346
Mod. No.	127	0	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No.	129	\$0	\$0	\$0	\$469,922
Mod. No.	130	0	0	0	\$412,597
Mod. No.	131	0	0	0	\$500,533
Mod. No.	132	0	0	0	\$554,738
Mod. No.	133	0	0	0	\$0
Mod. No.	134	0	0	0	\$448,880
Mod. No.	135	0	0	0	\$402,973
Mod. No.	136	0	0	0	\$627,708
Mod. No.	137	0	0	0	\$426,837
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$42,784,673

Cost	Award Fee	Total	
-\$308	\$308		DF24
-\$1,191	\$361	-\$830	DA22
\$41,247	\$6,000	\$47,247	DG01
\$139,704	\$10,716	\$150,420	DA20
\$112,236	\$7,764	\$120,000	DC25
\$32,735	\$2,265	\$35,000	DC26
\$70,147	\$4,853	\$75,000	DI18

THIS MOD	\$394,570	\$32,267	\$426,837
PREVIOUS	\$39,788,521	\$2,569,315	\$42,357,836
TOTALS	\$40,183,091	\$2,601,582	\$42,784,673

ATTACHMENT 1

REVISION NO. 4

PART I - AWARD FEE EVALUATION BOARD CHARTER AND MEMBERS

A. General

The Award Fee Evaluation Board derives its authority from Langley Research Center memorandum signed by the Center Director.

The Charter of the Award Fee is to maintain an organization and establish a method of operation which will ensure acquisition of data necessary to permit a valid semi-annual assessment of the Contractor's performance in the following five (5) areas: Technical Performance, Management, Cost, Safety, and Utilization of Small Disadvantaged Business (SDB) Subcontractors. The Award Fee Board is to develop an evaluation plan, evaluate the contractor's overall performance concerning the contract work, discuss such evaluations with the Contractor, receive and consider any additional performance data provided, and submit to the Fee Determination Official a fee recommendation for each evaluation period with applicable results and findings.

B. Award Fee Evaluation Board

The award fee organization is established as follows:

1. Fee Determination Official:

Dr. Douglas L. Dwoyer, Research and Technology Group

2. Award Fee Evaluation Board

Chairman:

R. Keith Bird, Materials Division, Research and Technology Group

Voting Members:

David H. Jones, Office of Procurement, Procurement Support Branch B

Anne Mackenzie, Sensors Research Branch, FETD

James L. Pittman, Gas Dynamics Division, Research & Technology Group

Dr. James Luckring, Aero & Gas Dynamics Division

E. Leon Morrisette, Fluid Mechanics and Acoustics Division

Secretary (Non voting)

Lisa F. Peckham, Flight Electronics Technology Division, Research and Technology Group

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)

1. CLEARANCE AND SAFEGUARDING

a. FACILITY LEVEL REQUIRED

TOP SECRET

b. LEVEL OF SAFEGUARDING REQUIRED

NONE

2. THIS SPECIFICATION IS FOR: *(X and complete as applicable)*

<input checked="" type="checkbox"/>	a. PRIME CONTRACT NUMBER	
	b. SUBCONTRACT NUMBER	
<input checked="" type="checkbox"/>	c. SOLICITATION OR OTHER NUMBER	Due Date (YYMMDD)

3. THIS SPECIFICATION IS: *(X and complete as applicable)*

<input checked="" type="checkbox"/>	a. ORIGINAL (Complete date in all cases)	Date (YYMMDD)
<input checked="" type="checkbox"/>	b. REVISED (Supersedes all previous specs)	Revision No. Date (YYMMDD)
	c. FINAL (Complete Item 5 in all cases)	Date (YYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? YES NO. If Yes, complete the following:
Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract.

5. IS THIS A FINAL DD FORM 2547 YES NO. If Yes, complete the following:
In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____

6. CONTRACTOR *(Include Commercial and Government Entity (CAGE) Code)*

a. NAME, ADDRESS, AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
LOCKHEED ENGINEERING & SCIENCES COMPANY NASA/LARC, BLDG 1237 MS 371 HAMPTON, VA 23681	OJA89	TIDEWATER OPERATING LOCATION 293 INDEPENDENCE BLVD PEMBROKE 5, SUITE 525 VIRGINIA BEACH, VA 23462-5600

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)

8. ACTUAL PERFORMANCE

a. LOCATION	b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
NASA LANGLEY RESEARCH CENTER 100 NASA ROAD, BLDG. 1237 M/S 371 HAMPTON, VA 23681		

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

TECHNICAL SUPPORT SERVICES FOR AEROSPACE RESEARCH AND TECHNOLOGY.

10. THIS CONTRACT WILL REQUIRE ACCESS TO:	YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION		<input checked="" type="checkbox"/>	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY		<input checked="" type="checkbox"/>
b. RESTRICTED DATA		<input checked="" type="checkbox"/>	b. RECEIVE CLASSIFIED DOCUMENTS ONLY		<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		<input checked="" type="checkbox"/>	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input checked="" type="checkbox"/>	
d. FORMERLY RESTRICTED DATA		<input checked="" type="checkbox"/>	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	<input checked="" type="checkbox"/>	
e. INTELLIGENCE INFORMATION:			e. PERFORM SERVICES ONLY		<input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)		<input checked="" type="checkbox"/>	f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		<input checked="" type="checkbox"/>
(2) Non-SCI		<input checked="" type="checkbox"/>	g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER		<input checked="" type="checkbox"/>
f. SPECIAL ACCESS INFORMATION		<input checked="" type="checkbox"/>	h. REQUIRE A COMSEC ACCOUNT		<input checked="" type="checkbox"/>
g. NATO INFORMATION		<input checked="" type="checkbox"/>	i. HAVE TEMPEST REQUIREMENTS		<input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION		<input checked="" type="checkbox"/>	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		<input checked="" type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION		<input checked="" type="checkbox"/>	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		<input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/>		l. OTHER (Specify)		
k. OTHER (Specify)					
N/A			N/A		

PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release.

Direct Through (Specify):

PUBLIC RELEASE IS AUTHORIZED. ANY INFORMATION TO BE CONSIDERED FOR RELEASE MUST BE SENT TO THE NASA OFFICE OF PUBLIC AFFAIRS, WASHINGTON, D.C. 20546 FOR REVIEW.

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review.
* In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

IN THE EXECUTION OF THIS CONTRACT, THE CONTRACTOR WILL BE INVOLVED IN ON-GOING RESEARCH AND DEVELOPMENT PROGRAMS THAT WILL REQUIRE A FACILITY CLEARANCE OF TOP SECRET AND INDIVIDUALS DESIGNATED BY THE GOVERNMENT TO POSSESS A PERSONAL SECURITY CLEARANCE AT THE TOP SECRET LEVEL.

CONTRACTOR MUST PROVIDE COPIES OF ALL DD 254s ISSUED UNDER SUBCONTRACT TO THE INDIVIDUAL LISTED BELOW, WITHIN 30 DAYS FROM ISSUANCE.

CLASSIFICATION GUIDES TO BE USED BY THE CONTRACTOR ARE AS FOLLOWS:

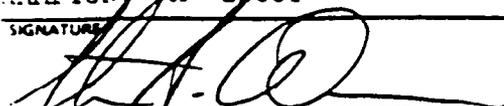
- THE NATIONAL AEROSPACE PLANE PROGRAM CLASSIFICATION GUIDE
- THE INTERIM SECURITY CLASSIFICATION POLICY, 10 AUGUST 1989.

ANY ADDITIONAL SECURITY CLASSIFICATION AND SAFEGUARDING REQUIREMENTS WILL PROVIDED, AS NECESSARY.

ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.) Yes No

INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.) Yes No

CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

TYPED NAME OF CERTIFYING OFFICIAL		b. TITLE	c. TELEPHONE (Include Area Code)
STEVEN D. WARREN		INDUSTRIAL SECURITY SPECIALIST	(757) 864-7754
ADDRESS (Include Zip Code)		17. REQUIRED DISTRIBUTION	
NASA LANGLEY RESEARCH CENTER		<input checked="" type="checkbox"/>	a. CONTRACTOR
100 NASA ROAD, M/S 450		<input type="checkbox"/>	b. SUBCONTRACTOR
HAMPTON, VA 23681		<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
SIGNATURE		<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
		<input checked="" type="checkbox"/>	e. ADMINISTRATIVE CONTRACTING OFFICER
		<input checked="" type="checkbox"/>	f. OTHERS AS NECESSARY

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT CODE	PAGE OF PAGES 1 / 5
2. AMENDMENT/MODIFICATION NO. 138	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 4	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

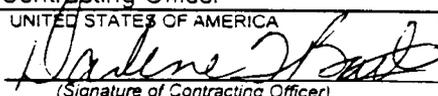
The purposes of this modification are to increase the incremental funding by the amount of \$230,713 (\$216,450 for cost and \$14,263 for fee). Accordingly, the Contract Schedule is hereby revised as follows:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$40,399,541 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,315,845 is obligated under this contract for payment of fee.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 4-5-99
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAA.2051	99	R22943	52222310100	\$201	DA12	OBL/COMPLETE
DAE.1299	99	M3684	99220033100	\$112,438	DA24	OBL/COMPLETE
DCL.1147	99	R23998	24271340100	\$60,000	DC29	OBL/COMPLETE
DCM.1325	99	R24260	50568307300	\$8,000	DC30	OBL/COMPLETE
DMB.5117	99	R21879	52232110100	\$1,326	DM17	OBL/COMPLETE
DMC.4951	99	H15190	53706332000	\$2,395	DM03	OBL/COMPLETE
DMC.4955	99	423830	53813120400	\$31	DM14	OBL/COMPLETE
DMC.4956	99	R23830	53813120400	\$803	DM04	OBL/COMPLETE
DMF.5312	99	R22967	52218110300	15	DM16	OBL/COMPLETE
DMH.1579	99	R24216	63281000300	\$664	DS09	OBL/PARTIAL
DMH.1579	99	R24216	63281000300	\$153	DS08	OBL/COMPLETE
DSK.1268	99	R24010	24223021300	\$40,000	DS18	OBL/COMPLETE
DSI.1905	99	H15329	53706493000	\$4,171	DS01	OBL/PARTIAL
DSI.1905	99	H15329	53706493000	\$516	DS06	OBL/COMPLETE

\$230,713

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	53	0	0	0	\$0
Mod. No.	54	0	0	0	\$321,700
Mod. No.	55	0	0	0	\$90,000
Mod. No.	56	0	0	0	\$82,268
Mod. No.	57	0	0	0	\$158,025
Mod. No.	58	0	0	0	\$337,539
Mod. No.	59	0	0	0	\$72,177
Mod. No.	60	0	0	0	\$137,790
Mod. No.	61	0	0	0	\$68,241
Mod. No.	62	0	0	0	\$163,252
Mod. No.	63	0	0	0	\$212,523
Mod. No.	64	0	0	0	\$5,000
Mod. No.	65	0	0	0	\$161,000
Mod. No.	66	0	0	0	-\$1,500
Mod. No.	67	0	0	0	\$25,012
Mod. No.	68	0	0	0	\$81,617
Mod. No.	70	0	0	0	\$42,500
Mod. No.	71	0	0	0	\$170,400
Mod. No.	72	0	0	0	\$137,450
Mod. No.	73	0	0	0	\$17,017
Mod. No.	74	0	0	0	-\$219,587
Mod. No.	75	0	0	0	\$53,105
Mod. No.	76	0	0	0	\$84,000
Mod. No.	77	0	0	0	\$26,000
Mod. No.	78	0	0	0	\$59,923
Mod. No.	79	0	0	0	\$111,200
Mod. No.	80	0	0	0	\$45,000
Mod. No.	81	0	0	0	\$228,268
Mod. No.	82	0	0	0	\$116,081
Mod. No.	83	0	0	0	\$54,756
Mod. No.	84	0	0	0	\$358,138
Mod. No.	85	0	0	0	\$626,792
Mod. No.	86	0	0	0	\$172,534
Mod. No.	87	0	0	0	\$1,489,768
Mod. No.	88	0	0	0	\$261,615
Mod. No.	89	0	0	0	\$432,103
Mod. No.	90	0	0	0	\$654,540
Mod. No.	91	0	0	0	\$385,962
Mod. No.	92	0	0	0	\$223,773
Mod. No.	93	0	0	0	\$690,943
Mod. No.	94	0	0	0	\$393,792
Mod. No.	95	0	0	0	\$414,946
Mod. No.	96	0	0	0	\$211,276
Mod. No.	97	0	0	0	\$361,112
Mod. No.	98	0	0	0	\$205,292
Mod. No.	99	0	0	0	\$266,333
Mod. No.	100	0	0	0	\$119,291
Mod. No.	101	0	0	0	\$0
Mod. No.	102	0	0	0	\$251,928
Mod. No.	103	9,828,545	679374	10,507,919	\$210,774
Mod. No.	104	0	0	0	\$121,964
Mod. No.	105	0	0	0	\$33,512
Mod. No.	106	0	0	0	\$842,780
Mod. No.	107	0	0	0	\$442,761
Mod. No.	108	0	0	0	\$362,407
Mod. No.	109	0	0	0	\$167,861
Mod. No.	110	0	0	0	\$267,166
Mod. No.	111	0	0	0	\$294,021
Mod. No.	112	0	0	0	\$938,221
Mod. No.	113	0	0	0	\$1,393,672
Mod. No.	114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115		0	0	0	\$389,519
Mod. No. 116		0	0	0	\$0
Mod. No. 117		0	0	0	\$223,441
Mod. No. 118		0	0	0	-\$60,583
Mod. No. 119		0	0	0	-\$71,323
Mod. No. 120		0	0	0	\$215,401
Mod. No. 121		0	0	0	\$316,453
Mod. No. 122		0	0	0	\$278,666
Mod. No. 123		0	0	0	\$402,261
Mod. No. 124		0	0	0	\$1,973,725
Mod. No. 125		0	0	0	\$782,189
Mod. No. 126		0	0	0	\$737,346
Mod. No. 127		0	0	0	\$1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129		\$0	\$0	\$0	\$469,922
Mod. No. 130		0	0	0	\$412,597
Mod. No. 131		0	0	0	\$500,533
Mod. No. 132		0	0	0	\$554,738
Mod. No. 133		0	0	0	\$0
Mod. No. 134		0	0	0	\$448,880
Mod. No. 135		0	0	0	\$402,973
Mod. No. 136		0	0	0	\$627,708
Mod. No. 137		0	0	0	\$426,837
Mod. No. 138		0	0	0	\$230,713
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$43,015,386

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$201	\$0	\$201	da12
\$105,163	\$7,275	\$112,438	da24
\$56,118	\$3,882	\$60,000	dc29
\$7,482	\$518	\$8,000	dc30
\$1,326	\$0	\$1,326	dm17
\$2,395	\$0	\$2,395	dm03
\$31	\$0	\$31	dm14
\$803	\$0	\$803	dm04
\$15	\$0	\$15	dm16
\$664	\$0	\$664	dm09
153	0	\$153	dm08
37412	2588	\$40,000	ds18
516	0	\$516	ds06
4171	0	\$4,171	ds01

THIS MOD	\$216,450	\$14,263	\$230,713
PREVIOUS	\$40,183,091	\$2,601,582	\$42,784,673
TOTALS	\$40,399,541	\$2,615,845	\$43,015,386

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 139		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2		5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
				10B. DATED (SEE ITEM 13) 7/1/96	
CODE		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

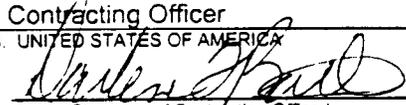
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to increase the incremental funding by the amount of \$574,850 (\$534,744 for cost and \$40,106 for fee). Accordingly, the Contract Schedule is hereby revised as follows:

A. Under Section B. B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$40,934,285 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,655,951 is obligated under this contract for payment of fee". Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	4/16/99

[Handwritten mark]

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
BD.1027	99	R24293	58150120100	\$20,000	DF23	OBL/COMPLETE
DCM.1323	99	M3983	99220033100	\$100,000	DC28	OBL/COMPLETE
DCM.1324	99	R23002	52225410100	\$ 2,000	DC31	OBL/COMPLETE
DFL.1523	99	R23073	52232310100	\$1,095	DF10	OBL/COMPLETE
DFM.1315	99	R22936	52231610100	\$31,812	DF25	OBL/COMPLETE
DI.1257	99	R21838	52214210200	\$49,418	DI01	OBL/COMPLETE
DI.1258	99	R24016	10121230100	\$29,703	DI17	OBL/COMPLETE
DMC.4952	99	R23011	52218110100	\$54,000	DM46	OBL/COMPLETE
DMC.4952	98	R23561	52218115000	\$105,000	DM46	OBL/COMPLETE
DME.2549	99	R22954	52212510100	90000	DM49	OBL/COMPLETE
DMF.5081	98	R22229	32378010400	\$1,172	DM32	OBL/COMPLETE
DMF.5245	99	R22229	32378010400	\$10,650	DM32	OBL/COMPLETE
DMF.5316	99	R22967	52218110300	\$80,000	DM51	OBL/COMPLETE

\$574,850

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No. 1		0	0	0	\$1,700,026
Mod. No. 2		0	0	0	\$28,600
Mod. No. 3		0	0	0	\$112,000
Mod. No. 4		0	0	0	\$50,000
Mod. No. 5		0	0	0	-\$82,800
Mod. No. 6		0	0	0	\$50,000
Mod. No. 7		0	0	0	-\$18,594
Mod. No. 8		0	0	0	\$123,600
Mod. No. 9		0	0	0	\$66,345
Mod. No. 10		0	0	0	\$194,795
Mod. No. 11		0	0	0	\$82,000
Mod. No. 12		0	0	0	\$298,000
Mod. No. 13		0	0	0	\$832,608
Mod. No. 14		0	0	0	\$2,038,096
Mod. No. 15		0	0	0	\$1,147,292
Mod. No. 16		0	0	0	\$810,237
Mod. No. 17		0	0	0	\$1,346,484
Mod. No. 18		0	0	0	\$1,531,825
Mod. No. 19		0	0	0	\$334,753
Mod. No. 20		0	0	0	\$281,502
Mod. No. 21		0	0	0	\$86,747
Mod. No. 22		0	0	0	\$91,541
Mod. No. 23		0	0	0	\$49,802
Mod. No. 24		0	0	0	\$50,916
Mod. No. 25		0	0	0	\$5,948
Mod. No. 26		0	0	0	\$24,737
Mod. No. 27		13,845,044	957148	14,802,192	\$0
Mod. No. 28		0	0	0	\$174,099
Mod. No. 29		0	0	0	\$0
Mod. No. 30		0	0	0	\$673
Mod. No. 31		0	0	0	\$0
Mod. No. 32		0	0	0	\$200,000
Mod. No. 33		0	0	0	\$224,219
Mod. No. 34		0	0	0	\$35,618
Mod. No. 35		0	0	0	\$126,106
Mod. No. 36		0	0	0	\$111,685
Mod. No. 37		0	0	0	\$60,122
Mod. No. 38		0	0	0	\$151,000
Mod. No. 39		0	0	0	\$74,822
Mod. No. 40		0	0	0	\$40,000
Mod. No. 41		0	0	0	\$85,000
Mod. No. 42		0	0	0	\$286,761
Mod. No. 43		0	0	0	\$189,511
Mod. No. 44		0	0	0	\$83,000
Mod. No. 45		0	0	0	\$164,560
Mod. No. 46		0	0	0	\$84,081
Mod. No. 47		0	0	0	\$75,000
Mod. No. 48		0	0	0	\$54,635
Mod. No. 49		0	0	0	\$243,065
Mod. No. 50		0	0	0	\$26,988
Mod. No. 51		0	0	0	\$96,162
Mod. No. 52		0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No.	115	0	0	0	\$389,519
Mod. No.	116	0	0	0	\$0
Mod. No.	117	0	0	0	\$223,441
Mod. No.	118	0	0	0	-\$60,583
Mod. No.	119	0	0	0	-\$71,323
Mod. No.	120	0	0	0	\$215,401
Mod. No.	121	0	0	0	\$316,453
Mod. No.	122	0	0	0	\$278,666
Mod. No.	123	0	0	0	\$402,261
Mod. No.	124	0	0	0	\$1,973,725
Mod. No.	125	0	0	0	\$782,189
Mod. No.	126	0	0	0	\$737,346
Mod. No.	127	0	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No.	129	\$0	\$0	\$0	\$469,922
Mod. No.	130	0	0	0	\$412,597
Mod. No.	131	0	0	0	\$500,533
Mod. No.	132	0	0	0	\$554,738
Mod. No.	133	0	0	0	\$0
Mod. No.	134	0	0	0	\$448,880
Mod. No.	135	0	0	0	\$402,973
Mod. No.	136	0	0	0	\$627,708
Mod. No.	137	0	0	0	\$426,837
Mod. No.	138	0	0	0	\$230,713
Mod. No.	139	0	0	0	\$574,850
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$43,590,236

Cost	Award Fee	Total	
\$18,596	\$1,404	\$20,000	df23
\$93,530	\$6,470	\$100,000	dc28
\$1,095	\$0	\$1,095	df10
\$29,081	\$2,731	\$31,812	df25
\$44,019	\$5,399	\$49,418	di01
\$27,781	\$1,922	\$29,703	di17
\$148,713	\$10,287	\$159,000	dm46
\$84,177	\$5,823	\$90,000	dm49
\$1,096	\$76	\$1,172	dm32
\$9,961	\$689	\$10,650	dm32
\$74,824	\$5,176	\$80,000	dm51
1871	129	\$2,000	DC31

THIS MOD	\$534,744	\$40,106	\$574,850
PREVIOUS	\$40,399,541	\$2,615,845	\$43,015,386
TOTALS	\$40,934,285	\$2,655,951	\$43,590,236

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 140	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicac)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE		FACILITY CODE	9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED - THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORC. NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-3—CHANGES COST-REIMBURSEMENT (AUG 1987)ALTERNATE I (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this supplemental agreement are to add incremental funding in the amount of \$76,172 (\$70,295 for cost and \$5,877 for fee) a to revise paragraph "5.0 YEAR 2000 Compliance" under the Section C of the Statement of Work. Accordingly, the following changes are made the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect:

15A. NAME AND TITLE OF SIGNER (Type or print) H. P. Haney Program Manager	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR <i>H. P. Haney</i> (Signature of person authorized to sign)	15C. DATE SIGNED 4/26/99
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY <i>[Signature]</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 4/28/99

FILE COPY

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$41,004,580 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,661,828 is obligated under this contract for payment of fee".

B. Under Section C STATEMENT OF WORK – AEROSPACE RESEARCH AND TECHNOLOGY (ART), add paragraph 6.0 to read as follows:

6.0 "YEAR 2000 COMPLIANCE

(a) "Year 2000 compliant," as used herein, means that the information technology (hardware, software and firmware, including embedded systems or any other electro-mechanical or processor-based systems used in accordance with its associated documentation) accurately processes date and date-related data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology (IT), used in combination with the information technology being acquired, properly exchanges date and date-related data with it.

(b) Any IT provided or maintained under this contract must be Year 2000 compliant, unless an exception is provided in the Task Order. To ensure this result, the Contractor shall provide documentation describing how the IT items demonstrate Year 2000 compliance...Note that all current and closed tasks have been reviewed for Year 2000 compliance. Only tasks DA22, DC12, DC21, DS09, DS10, DS12, DS15, and DS17 contained IT items that require certification. No additional cost, or changes to the existing task order schedules is required to make the IT items under those tasks Year 2000 compliant. Task Order DS10 is being modified and the revision to the Task Order Plan takes into account Year 2000 certification requirements.

Documentation and testing for Year 2000 compliance shall be based on complexity and the risk associated with the IT item. The Contractor shall use the documents "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" dated July 2, 1998 (available at <http://cio.larc.nasa.gov/y2k/>) and "NASA LaRC Y2K Guideline for Documentation and Testing Requirements" (Attachment 1 hereto) as guidance to establish the appropriate testing and documentation. The Contractor shall provide the "Contractor Y2K Compliance Verification Form" (Attachment 2 hereto) for each IT item/system provided or maintained under this contract, unless an exception is provided in the Task Order.

(c) Milestones for Renovation, Validation and Implementation: Any IT determined to be non-Year 2000 compliant shall be replaced, retired, or repaired in accordance with the following schedule:

"Renovation" includes making and documenting software and hardware changes, developing replacement systems, and decommissioning systems to be retired. The Contractor must complete renovation of affected software, hardware, and firmware by September 30, 1998.

"Validation" includes unit, integration, system, and end-to-end testing for Year 2000 compliance. The Contractor must complete validation and testing of converted or replaced systems by January 31, 1999;

"Implementation" includes acceptance testing and integration of converted and replaced systems into a production environment. The Contractor must complete implementation by March 31, 1999.

(d) At a minimum, the Contractor shall provide documentation, including project plans and status reports, which demonstrate that the Contractor is meeting the milestones listed above.

CONTRACTOR'S RELEASE STATEMENT

The contract's cost and fee and all other terms and conditions remain unchanged as a result of this modification. This Modification reflects a full and complete equitable adjustment for the SOW changes reflected herein. All future determination of IT on new work shall be identified in the task order and shall include provisions for cost and schedule to develop the documentation specified in C STATEMENT OF WORK – AEROSPACE RESEARCH AND TECHNOLOGY (ART), paragraph 6.0.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
IA.1236	99	H15339	53709400200	\$50,994	DS12	OBL/COMPLETE
DMF.5320	99	R22229	32378010400	\$25,178	DM32	OBL/COMPLETE

\$76,172

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
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Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
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Mod. No. 81	0	0	0	\$228,268
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Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
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Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Mod. No. 132	0	0	0	\$554,738
Mod. No. 133	0	0	0	\$0
Mod. No. 134	0	0	0	\$448,880
Mod. No. 135	0	0	0	\$402,973
Mod. No. 136	0	0	0	\$627,708
Mod. No. 137	0	0	0	\$426,837
Mod. No. 138	0	0	0	\$230,713
Mod. No. 139	0	0	0	\$574,850
Mod. No. 140	0	0	0	\$76,172
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$43,666,408

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$46,746	\$4,248	\$50,994	ds12
\$23,549	\$1,629	\$25,178	dm32

THIS MOC	\$70,295	\$5,877	\$76,172
PREVIOUS	\$40,934,285	\$2,655,951	\$43,590,236
TOTALS	\$41,004,580	\$2,661,828	\$43,666,408

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 141	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to add incremental funding in the amount of \$243,783 (\$227,795 for cost and \$15,987 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$41,232,375 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,677,815 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 4/2/1999

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAC.1086	99	R23175	52222310100	\$1,000	DA21	OBL/COMPLETE
DAC.1086	99	R23766	53814120100	\$45,000	DA21	OBL/COMPLETE
DAC.1086	99	R23836	52232410100	\$10,000	DA21	OBL/COMPLETE
DAC.1086	99	R24140	52211711000	\$24,000	DA21	OBL/COMPLETE
DAC.1086	99	R23826	52225311800	\$4,600	DA21	OBL/COMPLETE
DAC.1086	99	R23756	52211710700	\$14,500	DA21	OBL/COMPLETE
DAC.1086	99	R23176	52231610300	\$14,900	DA21	OBL/COMPLETE
DFB.3893	99	H2342S	53803140100	\$38,000	DF26	OBL/COMPLETE
DMC.4953	98	R23561	52218115000	\$42,855	DM42	OBL/COMPLETE
DMC.4953	99	R23011	52218110100	\$26,000	DM42	OBL/COMPLETE
DMC.4953	99	R22954	52212510100	\$15,000	DM42	OBL/COMPLETE
DME.2546	99	R22954	52212510100	\$4,928	DM50	OBL/COMPLETE
DME.2551	99	R24016	10121230100	\$3,000	DM49	OBL/COMPLETE

\$243,783

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAE</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No. 1		0	0	0	\$1,700,026
Mod. No. 2		0	0	0	\$28,600
Mod. No. 3		0	0	0	\$112,000
Mod. No. 4		0	0	0	\$50,000
Mod. No. 5		0	0	0	-\$82,800
Mod. No. 6		0	0	0	\$50,000
Mod. No. 7		0	0	0	-\$18,594
Mod. No. 8		0	0	0	\$123,600
Mod. No. 9		0	0	0	\$66,345
Mod. No. 10		0	0	0	\$194,795
Mod. No. 11		0	0	0	\$82,000
Mod. No. 12		0	0	0	\$298,000
Mod. No. 13		0	0	0	\$832,608
Mod. No. 14		0	0	0	\$2,038,096
Mod. No. 15		0	0	0	\$1,147,292
Mod. No. 16		0	0	0	\$810,237
Mod. No. 17		0	0	0	\$1,346,484
Mod. No. 18		0	0	0	\$1,531,825
Mod. No. 19		0	0	0	\$334,753
Mod. No. 20		0	0	0	\$281,502
Mod. No. 21		0	0	0	\$86,747
Mod. No. 22		0	0	0	\$91,541
Mod. No. 23		0	0	0	\$49,802
Mod. No. 24		0	0	0	\$50,916
Mod. No. 25		0	0	0	\$5,948
Mod. No. 26		0	0	0	\$24,737
Mod. No. 27		13,845,044	957,148	14,802,192	\$0
Mod. No. 28		0	0	0	\$174,099
Mod. No. 29		0	0	0	\$0
Mod. No. 30		0	0	0	\$673
Mod. No. 31		0	0	0	\$0
Mod. No. 32		0	0	0	\$200,000
Mod. No. 33		0	0	0	\$224,219
Mod. No. 34		0	0	0	\$35,618
Mod. No. 35		0	0	0	\$126,106
Mod. No. 36		0	0	0	\$111,685
Mod. No. 37		0	0	0	\$60,122
Mod. No. 38		0	0	0	\$151,000
Mod. No. 39		0	0	0	\$74,822
Mod. No. 40		0	0	0	\$40,000
Mod. No. 41		0	0	0	\$85,000
Mod. No. 42		0	0	0	\$286,761
Mod. No. 43		0	0	0	\$189,511
Mod. No. 44		0	0	0	\$83,000
Mod. No. 45		0	0	0	\$164,560
Mod. No. 46		0	0	0	\$84,081
Mod. No. 47		0	0	0	\$75,000
Mod. No. 48		0	0	0	\$54,635
Mod. No. 49		0	0	0	\$243,065
Mod. No. 50		0	0	0	\$26,988
Mod. No. 51		0	0	0	\$96,162
Mod. No. 52		0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 115		0	0	0	\$389,519
Mod. No. 116		0	0	0	\$0
Mod. No. 117		0	0	0	\$223,441
Mod. No. 118		0	0	0	-\$60,583
Mod. No. 119		0	0	0	-\$71,323
Mod. No. 120		0	0	0	\$215,401
Mod. No. 121		0	0	0	\$316,453
Mod. No. 122		0	0	0	\$278,666
Mod. No. 123		0	0	0	\$402,261
Mod. No. 124		0	0	0	\$1,973,725
Mod. No. 125		0	0	0	\$782,189
Mod. No. 126		0	0	0	\$737,346
Mod. No. 127		0	0	0	\$1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129		\$0	\$0	\$0	\$469,922
Mod. No. 130		0	0	0	\$412,597
Mod. No. 131		0	0	0	\$500,533
Mod. No. 132		0	0	0	\$554,738
Mod. No. 133		0	0	0	\$0
Mod. No. 134		0	0	0	\$448,880
Mod. No. 135		0	0	0	\$402,973
Mod. No. 136		0	0	0	\$627,708
Mod. No. 137		0	0	0	\$426,837
Mod. No. 138		0	0	0	\$230,713
Mod. No. 139		0	0	0	\$574,850
Mod. No. 140		0	0	0	\$76,172
Mod. No. 141		0	0	0	\$243,783
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$43,910,191

Cost	Award Fee	Total	
\$106,624	\$7,376	\$114,000	da21
\$35,541	\$2,459	\$38,000	df26
\$78,430	\$5,425	\$83,855	dm42
\$4,395	\$533	\$4,928	dm50
\$2,806	\$194	\$3,000	dm49

THIS MOC	\$227,796	\$15,987	\$243,783
PREVIOUS	\$41,004,580	\$2,661,828	\$43,666,408
TOTALS	\$41,232,376	\$2,677,815	\$43,910,191

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 CONTRACT ID CODE PAGE OF PAGES
1 5

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)
142 See Block 16C See page 2

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 5) CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) (x)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT ORDER NO.
X NAS1-96014
10B. DATED (SEE ITEM 13)
7/1/96
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted. By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. In the event of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

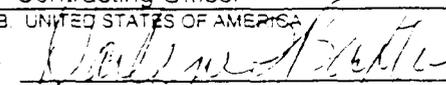
(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT OF NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to add incremental funding in the amount of \$371,455 (\$346,745 for cost and \$24,710 for fee. According to the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted the Government to this contract is \$41,579,121 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,702,525 is obligated under this contract for payment of fee.
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
15B. CONTRACTOR/OFFICER
(Signature of person authorized to sign)
15C. DATE SIGNED
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlefe T. Baxter
Contracting Officer
16B. UNITED STATES OF AMERICA
BY 
(Signature of Contracting Officer)
16C. DATE SIGNED
5/25/96

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAE.1270	99	M3685	99220033100	-\$175,000	DA06	DEOBL/COMPLETE
DCK.1172	99	R22991	52235110300	\$5,000	DC19	OBL/COMPLETE
DCK.1172	99	R22994	52221610100	\$59,609	DC19	OBL/COMPLETE
DCO.1174	99	R23818	576021116	\$1,233	DC20	OBL/COMPLETE
DCO.1174	99	R20708	505841258	\$28,434	DC20	OBL/COMPLETE
DCO.1176	99	R23864	576021402	\$12,000	DC21	OBL/COMPLETE
DCO.1176	99	R2078	505641258	\$38,000	DC21	OBL/COMPLETE
DCO.1218	99	R23815	57602111100	\$30,000	DC23	OBL/COMPLETE
DFM.1319	99	R24250	95320000100	\$50,000	DF24	OBL/COMPLETE
DFM.1322	99	R24250	95320000100	\$1,134	DF24	OBL/COMPLETE
DMF.5322	99	R22823	24233011200	\$24,345	DM55	OBL/COMPLETE
DSI.1913	99	R21889	52910110100	\$24,700	DS10	OBL/COMPLETE
DSK.1270	99	R19736	50910110300	\$10,000	DS13	OBL/COMPLETE
DSK.1270	99	R23004	52231710100	\$22,000	DS13	OBL/COMPLETE
DSL.1422	99	R24003	24223510100	\$30,000	DS15	OBL/COMPLETE
DSL.1422	99	R24006	24223041200	\$80,000	DS15	OBL/COMPLETE
DSL.1422	99	R24011	24223021200	\$110,000	DS15	OBL/COMPLETE
GKE.1178	99	R22895	52219110100	\$20,000	DC12	OBL/COMPLETE

\$371,455

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAE</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0	\$0
Mod. No. 54	0	0	0	0	\$321,700
Mod. No. 55	0	0	0	0	\$90,000
Mod. No. 56	0	0	0	0	\$82,268
Mod. No. 57	0	0	0	0	\$158,025
Mod. No. 58	0	0	0	0	\$337,539
Mod. No. 59	0	0	0	0	\$72,177
Mod. No. 60	0	0	0	0	\$137,790
Mod. No. 61	0	0	0	0	\$68,241
Mod. No. 62	0	0	0	0	\$163,252
Mod. No. 63	0	0	0	0	\$212,523
Mod. No. 64	0	0	0	0	\$5,000
Mod. No. 65	0	0	0	0	\$161,000
Mod. No. 66	0	0	0	0	-\$1,500
Mod. No. 67	0	0	0	0	\$25,012
Mod. No. 68	0	0	0	0	\$81,617
Mod. No. 70	0	0	0	0	\$42,500
Mod. No. 71	0	0	0	0	\$170,400
Mod. No. 72	0	0	0	0	\$137,450
Mod. No. 73	0	0	0	0	\$17,017
Mod. No. 74	0	0	0	0	-\$219,587
Mod. No. 75	0	0	0	0	\$53,105
Mod. No. 76	0	0	0	0	\$84,000
Mod. No. 77	0	0	0	0	\$26,000
Mod. No. 78	0	0	0	0	\$59,923
Mod. No. 79	0	0	0	0	\$111,200
Mod. No. 80	0	0	0	0	\$45,000
Mod. No. 81	0	0	0	0	\$228,268
Mod. No. 82	0	0	0	0	\$116,081
Mod. No. 83	0	0	0	0	\$54,756
Mod. No. 84	0	0	0	0	\$358,138
Mod. No. 85	0	0	0	0	\$626,792
Mod. No. 86	0	0	0	0	\$172,534
Mod. No. 87	0	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	0	\$261,615
Mod. No. 89	0	0	0	0	\$432,103
Mod. No. 90	0	0	0	0	\$654,540
Mod. No. 91	0	0	0	0	\$385,962
Mod. No. 92	0	0	0	0	\$223,773
Mod. No. 93	0	0	0	0	\$690,943
Mod. No. 94	0	0	0	0	\$393,792
Mod. No. 95	0	0	0	0	\$414,946
Mod. No. 96	0	0	0	0	\$211,276
Mod. No. 97	0	0	0	0	\$361,112
Mod. No. 98	0	0	0	0	\$205,292
Mod. No. 99	0	0	0	0	\$266,333
Mod. No. 100	0	0	0	0	\$119,291
Mod. No. 101	0	0	0	0	\$0
Mod. No. 102	0	0	0	0	\$251,928
Mod. No. 103	0	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	0	\$121,964
Mod. No. 105	0	0	0	0	\$33,512
Mod. No. 106	0	0	0	0	\$842,780
Mod. No. 107	0	0	0	0	\$442,761
Mod. No. 108	0	0	0	0	\$362,407
Mod. No. 109	0	0	0	0	\$167,861
Mod. No. 110	0	0	0	0	\$267,166
Mod. No. 111	0	0	0	0	\$294,021
Mod. No. 112	0	0	0	0	\$938,221
Mod. No. 113	0	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	0	\$284,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Mod. No. 132	0	0	0	\$554,738
Mod. No. 133	0	0	0	\$0
Mod. No. 134	0	0	0	\$448,880
Mod. No. 135	0	0	0	\$402,973
Mod. No. 136	0	0	0	\$627,708
Mod. No. 137	0	0	0	\$426,837
Mod. No. 138	0	0	0	\$230,713
Mod. No. 139	0	0	0	\$574,850
Mod. No. 140	0	0	0	\$76,172
Mod. No. 141	0	0	0	\$243,783
Mod. No. 142	0	0	0	\$371,455
Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$44,281,646

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
-\$163,677	-\$11,323	-\$175,000	da06
\$60,429	\$4,180	\$64,609	dc19
\$27,671	\$1,996	\$29,667	dc20
\$46,765	\$3,235	\$50,000	dc21
\$28,059	\$1,941	\$30,000	dc23
\$46,765	\$3,235	\$50,000	df24
\$984	\$150	\$1,134	df24
\$22,769	\$1,576	\$24,345	dm55
\$22,578	\$2,122	\$24,700	ds10
\$29,930	\$2,070	\$32,000	ds13
\$205,766	\$14,234	\$220,000	ds15
18706	1294	\$20,000	dc12

THIS MOD	\$346,745	\$24,710	\$371,455
PREVIOUS	\$41,232,376	\$2,677,815	\$43,910,191
TOTALS	\$41,579,121	\$2,702,525	\$44,281,646

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 143	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 5)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

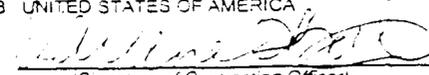
E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to add incremental funding in the amount of \$512,131 (\$478,103 for cost and \$34,028 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

" (a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$42,057,224 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,736,553 is obligated under this contract for payment of fee".
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 5/2/99

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
IA.1269	99	H15342	537094201	\$71,552	DF20	OBL/COMPLETE
DAC.1094	99	R24138	537075110	\$240,579	DA25	OBL/COMPLETE
DFC.3725	99	H15278	537052101	\$30,000	DF19	OBL/COMPLETE
DFC.3725	99	H15345	537094204	\$170,000	Df19	OBL/COMPLETE

\$512,131

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

Through		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115		0	0	0	\$389,519
Mod. No. 116		0	0	0	\$0
Mod. No. 117		0	0	0	\$223,441
Mod. No. 118		0	0	0	-\$60,583
Mod. No. 119		0	0	0	-\$71,323
Mod. No. 120		0	0	0	\$215,401
Mod. No. 121		0	0	0	\$316,453
Mod. No. 122		0	0	0	\$278,666
Mod. No. 123		0	0	0	\$402,261
Mod. No. 124		0	0	0	\$1,973,725
Mod. No. 125		0	0	0	\$782,189
Mod. No. 126		0	0	0	\$737,346
Mod. No. 127		0	0	0	\$1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129		\$0	\$0	\$0	\$469,922
Mod. No. 130		0	0	0	\$412,597
Mod. No. 131		0	0	0	\$500,533
Mod. No. 132		0	0	0	\$554,738
Mod. No. 133		0	0	0	\$0
Mod. No. 134		0	0	0	\$448,880
Mod. No. 135		0	0	0	\$402,973
Mod. No. 136		0	0	0	\$627,708
Mod. No. 137		0	0	0	\$426,837
Mod. No. 138		0	0	0	\$230,713
Mod. No. 139		0	0	0	\$574,850
Mod. No. 140		0	0	0	\$76,172
Mod. No. 141		0	0	0	\$243,783
Mod. No. 142		0	0	0	\$371,455
Mod. No. 143		0	0	0	\$512,131
Totals		\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$44,793,777

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$66,029	\$5,523	\$71,552	DF20
\$225,014	\$15,565	\$240,579	da25
\$187,060	\$12,940	\$200,000	df19

THIS MOC	\$478,103	\$34,028	\$512,131
PREVIOUS	\$41,579,121	\$2,702,525	\$44,281,646
TOTALS	\$42,057,224	\$2,736,553	\$44,793,777

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 144	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CCODE
3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted, by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, in the event of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT OR ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

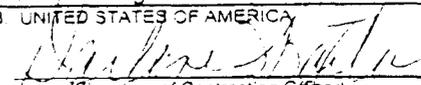
The purpose of this modification is to add incremental funding in the amount of \$356,170 (\$332,691 for cost and \$23,479 for fee. According to the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted to the Government to this contract is \$42,389,915 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,760,032 is obligated under this contract for payment of fee.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 10/3/96
(Signature of person authorized to sign)			

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DAB.1138	99	R23997	24271340200	\$21,000	DG03	OBL/COMPLETE
DCP.1288	99	R22885	52214110300	\$30,000	DC32	OBL/COMPLETE
DFC.3726	99	R23735	57603141000	\$15,170	DF22	OBL/COMPLETE
DI.1255	99	R24183	52224214000	\$85,000	DI13	OBL/COMPLETE
DME.2554	99	R22954	52212510100	\$65,000	DM49	OBL/COMPLETE
DME.2554	99	R24003	24223510100	\$40,000	DM49	OBL/COMPLETE
DME.2554	99	R24011	24223021200	\$50,000	DM49	OBL/COMPLETE
DME.2554	99	R24006	24223041200	\$50,000	DM49	OBL/COMPLETE

\$356,170

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0	\$389,519
Mod. No. 116	0	0	0	\$0
Mod. No. 117	0	0	0	\$223,441
Mod. No. 118	0	0	0	-\$60,583
Mod. No. 119	0	0	0	-\$71,323
Mod. No. 120	0	0	0	\$215,401
Mod. No. 121	0	0	0	\$316,453
Mod. No. 122	0	0	0	\$278,666
Mod. No. 123	0	0	0	\$402,261
Mod. No. 124	0	0	0	\$1,973,725
Mod. No. 125	0	0	0	\$782,189
Mod. No. 126	0	0	0	\$737,346
Mod. No. 127	0	0	0	\$1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$207,337
Mod. No. 129	\$0	\$0	\$0	\$469,922
Mod. No. 130	0	0	0	\$412,597
Mod. No. 131	0	0	0	\$500,533
Mod. No. 132	0	0	0	\$554,738
Mod. No. 133	0	0	0	\$0
Mod. No. 134	0	0	0	\$448,880
Mod. No. 135	0	0	0	\$402,973
Mod. No. 136	0	0	0	\$627,708
Mod. No. 137	0	0	0	\$426,837
Mod. No. 138	0	0	0	\$230,713
Mod. No. 139	0	0	0	\$574,850
Mod. No. 140	0	0	0	\$76,172
Mod. No. 141	0	0	0	\$243,783
Mod. No. 142	0	0	0	\$371,455
Mod. No. 143	0	0	0	\$512,131
Mod. No. 144	0	0	0	\$356,170

Totals	\$ 48,296,125	\$3,338,931	\$ 51,635,056	\$45,149,947
	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	

\$19,641	\$1,359	\$21,000	dg03
\$28,059	\$1,941	\$30,000	dc32
\$13,755	\$1,415	\$15,170	df22
\$79,500	\$5,500	\$85,000	di13
\$191,736	\$13,264	\$205,000	dm49

THIS MOC	\$332,691	\$23,479	\$356,170
PREVIOUS	\$42,057,224	\$2,736,553	\$44,793,777
TOTALS	\$42,389,915	\$2,760,032	\$45,149,947

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 5

2. AMENDMENT/MODIFICATION NO. 145
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO. See page 2
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT ORDER NO.
X NAS1-96014
10B. DATED (SEE ITEM 13)
7/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to add incremental funding in the amount of \$605,967 (\$563,700 for cost and \$42,267 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$42,953,615; the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,802,299 is obligated under this contract for payment of fee.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print):
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
15D. UNITED STATES OF AMERICA
15E. DATE SIGNED
15F. SIGNATURE OF CONTRACTING OFFICER (Type or print):
15G. SIGNATURE OF CONTRACTING OFFICER
15H. DATE SIGNED

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task.No.</u>	<u>Status</u>
DAA.2059	99	R9985	50559870900	\$34,000	DA18	OBL/COMPLETE
DAF.0422	99	R21828	52251311000	\$105,000	DA20	OBL/COMPLETE
DAF.0422	99	R24277	24272751100	\$125,000	DA20	OBL/COMPLETE
DCM.1334	99	R24260	50568307300	\$9,000	DC30	OBL/COMPLETE
DMB.5140	99	R21879	52232110100	\$15,000	DM48	OBL/COMPLETE
DMB.5140	99	R24012	24223021100	\$55,000	DM48	OBL/COMPLETE
DMF.5332	99	R22967	52218110300	\$105,989	DM51	OBL/COMPLETE
GLC.4910	99	R24136	24299020100	\$9,978	DM57	OBL/COMPLETE
IA.1271	99	H15339	53709400200	\$47,000	DS12	OBL/COMPLETE
IA.1277	99	H15340	53709410200	\$100,000	DS14	OBL/COMPLETE

\$605,967

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$25,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,225

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115		0	0	0	\$ 389,519
Mod. No. 116		0	0	0	\$ -
Mod. No. 117		0	0	0	\$ 223,441
Mod. No. 118		0	0	0	\$ (60,583)
Mod. No. 119		0	0	0	\$ (71,323)
Mod. No. 120		0	0	0	\$ 215,401
Mod. No. 121		0	0	0	\$ 316,453
Mod. No. 122		0	0	0	\$ 278,666
Mod. No. 123		0	0	0	\$ 402,261
Mod. No. 124		0	0	0	\$ 1,973,725
Mod. No. 125		0	0	0	\$ 782,189
Mod. No. 126		0	0	0	\$ 737,346
Mod. No. 127		0	0	0	\$ 1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502	\$ 207,337
Mod. No. 129		\$0	\$0	\$0	\$ 469,922
Mod. No. 130		0	0	0	\$ 412,597
Mod. No. 131		0	0	0	\$ 500,533
Mod. No. 132		0	0	0	\$ 554,738
Mod. No. 133		0	0	0	\$ -
Mod. No. 134		0	0	0	\$ 448,880
Mod. No. 135		0	0	0	\$ 402,973
Mod. No. 136		0	0	0	\$ 627,708
Mod. No. 137		0	0	0	\$ 426,837
Mod. No. 138		0	0	0	\$ 230,713
Mod. No. 139		0	0	0	\$ 574,850
Mod. No. 140		0	0	0	\$ 76,172
Mod. No. 141		0	0	0	\$ 243,783
Mod. No. 142		0	0	0	\$ 371,455
Mod. No. 143		0	0	0	\$ 512,131
Mod. No. 144		0	0	0	\$ 356,170
Mod. No. 145		0	0	0	\$ 605,967

Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 45,755,914
	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	

\$31,800	\$2,200	\$34,000	DA18
\$215,119	\$14,881	\$230,000	DA20
\$8,418	\$582	\$9,000	DC30
\$65,471	\$4,529	\$70,000	DM48
\$96,071	\$9,918	\$105,989	DM51
\$9,332	\$646	\$9,978	DM57
\$43,959	\$3,041	\$47,000	DS12
\$93,530	\$6,470	\$100,000	DS14
\$563,700	\$42,267	\$605,967	

THIS MOD	\$563,700	\$42,267	\$605,967
PREVIOUS	\$42,389,915	\$2,760,032	\$45,149,947
TOTALS	\$42,953,615	\$2,802,299	\$45,755,914

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO 146	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ NO See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 5)	CODE

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

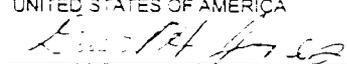
The purpose of this modification is to add incremental funding in the amount of \$ 742,406 (\$ 694,373 for cost and \$ 48,033 for fee). Accordingly the following changes are made to the Contract Schedule:

A. Under Section B 9.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted to the Government to this contract is \$43,647,988 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,850,332 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David H. Jones Contracting Officer
15B. CONTRACTOR/OFFICER (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6-28-96

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
1.1028	99	R22205	50564137400	\$ 38,331	FAA01	COMPLETE
BAC.0756	99	R24270	27400992500	\$ 20,000	DO02	COMPLETE
DAA.2065	99	R22939	52211810100	\$ 33,000	DA26	COMPLETE
DCO.1218	99	R23815	57602111100	\$ 75,000	DC23	PARTIAL
DCO.1223	99	R20708	50564125800	\$ 66,000	DC27	PARTIAL
DFC.3729	99	H2331A	53803130100	\$ 70,000	DF28	COMPLETE
DIH.1506	99	H15275	53708222100	\$ 50,000	DI19	COMPLETE
DIH.1506	99	H15366	53708201100	\$ 15,000	DI19	COMPLETE
DIH.1506	99	R23904	54881110400	\$ 35,000	DI19	COMPLETE
DIG.1317	99	R23812	51930210100	\$ 98,736	DI20	COMPLETE
DIG.1321	99	R28814	52219110300	\$ 30,000	DI20	COMPLETE
DMF.5333	98	R22229	32378010400	\$ 19,429	DM32	COMPLETE
DMF.5333	99	R22229	32378010400	\$ 57,079	DM32	COMPLETE
DMF.5328	99	R23800	53813120200	\$ 28,000	DM45	COMPLETE
DMF.5329	99	T23326	25130071100	\$ 25,000	DM47	COMPLETE
DME.2561	99	H15371	53706483200	\$ 10,000	DM49	COMPLETE
DME.2565	99	H15371	53706483200	\$ 18,200	DM49	COMPLETE
DMF.5331	99	H15325	53706473000	\$ 25,000	DM52	COMPLETE
GLC.4909	99	R24241	27400991600	\$ 20,000	DM58	COMPLETE
GLC.4916	99	R24241	27400991600	\$ 8,631	DM58	COMPLETE

TOTAL: \$ 742,406

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,572
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No.	115	0	0	0	\$	389,519
Mod. No.	116	0	0	0	\$	-
Mod. No.	117	0	0	0	\$	223,441
Mod. No.	118	0	0	0	\$	(60,583)
Mod. No.	119	0	0	0	\$	(71,323)
Mod. No.	120	0	0	0	\$	215,401
Mod. No.	121	0	0	0	\$	316,453
Mod. No.	122	0	0	0	\$	278,666
Mod. No.	123	0	0	0	\$	402,261
Mod. No.	124	0	0	0	\$	1,973,725
Mod. No.	125	0	0	0	\$	782,189
Mod. No.	126	0	0	0	\$	737,346
Mod. No.	127	0	0	0	\$	1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Mod. No.	129	\$0	\$0	\$0	\$	469,922
Mod. No.	130	0	0	0	\$	412,597
Mod. No.	131	0	0	0	\$	500,533
Mod. No.	132	0	0	0	\$	554,738
Mod. No.	133	0	0	0	\$	-
Mod. No.	134	0	0	0	\$	448,880
Mod. No.	135	0	0	0	\$	402,973
Mod. No.	136	0	0	0	\$	627,708
Mod. No.	137	0	0	0	\$	426,837
Mod. No.	138	0	0	0	\$	230,713
Mod. No.	139	0	0	0	\$	574,850
Mod. No.	140	0	0	0	\$	76,172
Mod. No.	141	0	0	0	\$	243,783
Mod. No.	142	0	0	0	\$	371,455
Mod. No.	143	0	0	0	\$	512,131
Mod. No.	144	0	0	0	\$	356,170
Mod. No.	145	0	0	0	\$	605,967
Mod. No.	146	0	0	0	\$	742,406

Totals		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$	46,498,320
		<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>		

\$ 65,471	\$ 4,529	\$ 70,000	DF28
\$ 18,706	\$ 1,294	\$ 20,000	DO02
\$ 30,865	\$ 2,135	\$ 33,000	DA26
\$ 70,148	\$ 4,852	\$ 75,000	DC23
\$ 61,730	\$ 4,270	\$ 66,000	DC27
\$ 93,530	\$ 6,470	\$ 100,000	DI19
\$ 120,407	\$ 8,329	\$ 128,736	DI20
\$ 71,558	\$ 4,950	\$ 76,508	DM32
\$ 26,188	\$ 1,812	\$ 28,000	DM45
\$ 23,383	\$ 1,617	\$ 25,000	DM47
\$ 26,375	\$ 1,825	\$ 28,200	DM49
\$ 23,383	\$ 1,617	\$ 25,000	DM52
\$ 26,778	\$ 1,853	\$ 28,631	DM58
\$ 35,851	\$ 2,480	\$ 38,331	FAA01

THIS MOD	\$ 694,373	\$ 48,033	\$ 742,406
PREVIOUS	\$ 42,953,615	\$ 2,802,299	\$ 45,755,914
TOTALS	\$ 43,647,988	\$ 2,850,332	\$ 46,498,320

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 7

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)

147 See Block 16C See page 3

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 5) CODE

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) (x) 9A. AMENDMENT OF SOLICITATION NO.

Lockheed Martin Engineering & Sciences Company
Attn. Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-96014

10B. DATED (SEE ITEM 13)

CODE FACILITY CODE 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, in the exercise of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF _____
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to add incremental funding in the amount of \$308,291 (\$280,655 for cost and \$27,636 for fee); revise the Award Fee Evaluation Plan; and to revise Exhibit C. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted to the Government to this contract is \$43,923,843 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,377,968 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
David H. Jones
Contracting Officer

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
7/14/96

(Signature of person authorized to sign) (Signature of Contracting Officer)

FILE COPY

- B. Under paragraph I.17—AWARD FEE FOR SERVICE CONTRACTS, page 4 is being modified to revise the Technical Coordinator from Frederick Staggs to L. David Wall (see Attachment 1), and to revise any other references to Frederick Staggs are being replaced with L. David Wall, Mail Stop 462.
- C. Under paragraph J.1—LIST OF ATTACHMENTS, replace the Wage Determination with the attached Wage Determination No. 94-2544, dated June 3, 1999, Revision No. 18, 9 pages.

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NQ.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task.No.</u>	<u>Status</u>
DAA.2033	99	R22942	54814140100	-\$12,610.00	DA08	DEOBLIGATE/COMP
DAB.1114	99	R22900	24280010100	-\$18,000.00	DA19	DEOBLIGATE/COMP
DCP.1260	99	R22885	52214110300	-\$24,540.00	DC22	DEOBLIGATE/COMP
DI.1260	99	R21838	52214210200	\$28,000.00	DI01	OBLIGATE/COMP
DI.1261	99	R22965	52235210100	\$41,583.00	DI09	OBLIGATE/COMP
DI.1262	99	R21838	52214210200	\$23,000.00	DI11	OBLIGATE/COMP
DIH.1526	99	R24055	25880001000	\$8,000.00	DI13	OBLIGATE/COMP
DMF.5267	99	R23800	53813120200	-\$28,000.00	DM43	DEOBLIGATE/COMP
DMF.5324	99	R22823	24233011200	\$6,213.40	DM54	OBLIGATE/COMP
DMF.5324	99	R22824	24233032400	\$39,250.00	DM54	OBLIGATE/COMP
DMF.5324	99	R24287	24282611000	\$9,551.27	DM54	OBLIGATE/COMP
DMF.5324	99	R22825	24233032500	\$19,985.33	DM54	OBLIGATE/COMP
DSI.1818	99	R22984	53813110500	-\$1,305.00	DS17	DEOBLIGATE/COMP
DSI.1888	99	R23998	24271340100	-\$28,275.00	DS09	DEOBLIGATE/COMP
GGK.1494	94	C295302	29532010000	-\$1,266.00	DA23	DEOBLIGATE/COMP
IA.1290	99	H15342	53709420100	\$8,704.00	DS12	OBLIGATE/COMP
IA.1292	99	H15342	53709420100	\$165,000.00	DF28	OBLIGATE/COMP
RBF.1000	99	H2342S	53803140100	\$50,000.00	DF26	OBLIGATE/COMP
RBF.1000	99	R23086	63210140400	\$8,000.00	DF26	OBLIGATE/COMP
RDA.1000	99	R23827	52217110500	\$15,000.00	DC26	OBLIGATE/COMP

TOTAL: \$308,291.00

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,225

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53		0	0	0	\$0
Mod. No. 54		0	0	0	\$321,700
Mod. No. 55		0	0	0	\$90,000
Mod. No. 56		0	0	0	\$82,268
Mod. No. 57		0	0	0	\$158,025
Mod. No. 58		0	0	0	\$337,539
Mod. No. 59		0	0	0	\$72,177
Mod. No. 60		0	0	0	\$137,790
Mod. No. 61		0	0	0	\$68,241
Mod. No. 62		0	0	0	\$163,252
Mod. No. 63		0	0	0	\$212,523
Mod. No. 64		0	0	0	\$5,000
Mod. No. 65		0	0	0	\$161,000
Mod. No. 66		0	0	0	-\$1,500
Mod. No. 67		0	0	0	\$25,012
Mod. No. 68		0	0	0	\$81,617
Mod. No. 70		0	0	0	\$42,500
Mod. No. 71		0	0	0	\$170,400
Mod. No. 72		0	0	0	\$137,450
Mod. No. 73		0	0	0	\$17,017
Mod. No. 74		0	0	0	-\$219,587
Mod. No. 75		0	0	0	\$53,105
Mod. No. 76		0	0	0	\$84,000
Mod. No. 77		0	0	0	\$26,000
Mod. No. 78		0	0	0	\$59,923
Mod. No. 79		0	0	0	\$111,200
Mod. No. 80		0	0	0	\$45,000
Mod. No. 81		0	0	0	\$228,268
Mod. No. 82		0	0	0	\$116,081
Mod. No. 83		0	0	0	\$54,756
Mod. No. 84		0	0	0	\$358,138
Mod. No. 85		0	0	0	\$626,792
Mod. No. 86		0	0	0	\$172,534
Mod. No. 87		0	0	0	\$1,489,768
Mod. No. 88		0	0	0	\$261,615
Mod. No. 89		0	0	0	\$432,103
Mod. No. 90		0	0	0	\$654,540
Mod. No. 91		0	0	0	\$385,962
Mod. No. 92		0	0	0	\$223,773
Mod. No. 93		0	0	0	\$690,943
Mod. No. 94		0	0	0	\$393,792
Mod. No. 95		0	0	0	\$414,946
Mod. No. 96		0	0	0	\$211,276
Mod. No. 97		0	0	0	\$361,112
Mod. No. 98		0	0	0	\$205,292
Mod. No. 99		0	0	0	\$266,333
Mod. No. 100		0	0	0	\$119,291
Mod. No. 101		0	0	0	\$0
Mod. No. 102		0	0	0	\$251,928
Mod. No. 103		9,828,545	679374	10,507,919	\$210,774
Mod. No. 104		0	0	0	\$121,964
Mod. No. 105		0	0	0	\$33,512
Mod. No. 106		0	0	0	\$842,780
Mod. No. 107		0	0	0	\$442,761
Mod. No. 108		0	0	0	\$362,407
Mod. No. 109		0	0	0	\$167,861
Mod. No. 110		0	0	0	\$267,166
Mod. No. 111		0	0	0	\$294,021
Mod. No. 112		0	0	0	\$938,221
Mod. No. 113		0	0	0	\$1,393,672
Mod. No. 114		0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No.	115	0	0	0	\$	389,519
Mod. No.	116	0	0	0	\$	-
Mod. No.	117	0	0	0	\$	223,441
Mod. No.	118	0	0	0	\$	(60,583)
Mod. No.	119	0	0	0	\$	(71,323)
Mod. No.	120	0	0	0	\$	215,401
Mod. No.	121	0	0	0	\$	316,453
Mod. No.	122	0	0	0	\$	278,666
Mod. No.	123	0	0	0	\$	402,261
Mod. No.	124	0	0	0	\$	1,973,725
Mod. No.	125	0	0	0	\$	782,189
Mod. No.	126	0	0	0	\$	737,346
Mod. No.	127	0	0	0	\$	1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Mod. No.	129	\$0	\$0	\$0	\$	469,922
Mod. No.	130	0	0	0	\$	412,597
Mod. No.	131	0	0	0	\$	500,533
Mod. No.	132	0	0	0	\$	554,738
Mod. No.	133	0	0	0	\$	-
Mod. No.	134	0	0	0	\$	448,880
Mod. No.	135	0	0	0	\$	402,973
Mod. No.	136	0	0	0	\$	627,708
Mod. No.	137	0	0	0	\$	426,837
Mod. No.	138	0	0	0	\$	230,713
Mod. No.	139	0	0	0	\$	574,850
Mod. No.	140	0	0	0	\$	76,172
Mod. No.	141	0	0	0	\$	243,783
Mod. No.	142	0	0	0	\$	371,455
Mod. No.	143	0	0	0	\$	512,131
Mod. No.	144	0	0	0	\$	356,170
Mod. No.	145	0	0	0	\$	605,967
Mod. No.	146	0	0	0	\$	742,406
Mod. No.	147	0	0	0		\$308,291
Totals		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$	46,806,611

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$	(12,593)	-\$17	\$	(12,610) da08
\$	(18,000)	\$0	\$	(18,000) da19
\$	(23,456)	\$ (1,084)	\$	(24,540) dc22
\$	26,188	\$ 1,812	\$	28,000 di01
\$	38,893	\$ 2,690	\$	41,583 di09
\$	21,512	\$ 1,488	\$	23,000 di11
\$	7,482	\$518.00	\$	8,000 di13
\$	(28,000)	\$0.00	\$	(28,000) dm43
\$	70,147	\$ 4,853	\$	75,000 dm54
\$	(1,305)	\$ -	\$	(1,305) ds17
\$	(28,275)	\$0	\$	(28,275) ds09
\$	(1,266)	\$0	\$	(1,266) da23
\$	6,728	\$ 1,976	\$	8,704 ds12
\$	154,324	\$ 10,676	\$	165,000 df28
\$	54,247	\$ 3,753	\$	58,000 df26
\$	14,029	\$ 971	\$	15,000 dc26

THIS MOD	\$	280,655	\$	27,636	\$	308,291
PREVIOUS	\$	43,647,988	\$	2,850,332	\$	46,498,320
TOTALS	\$	43,928,643	\$	2,877,968	\$	46,806,611

Coordinators: (Non voting)

Technical Coordinator response for Technical performance, including SDB Performance of Work/Technical Management/Safety:

L. David Wall, Aeroacoustics Branch Division: Aerodynamics, Aerothermodynamics & Acoustics Competency, effective immediately.

Business Coordinator responsible for Business Management/Cost/Mentor-protégé Program Performance:

Darlene T. Baxter, Office of Procurement, Branch B

Monitors:

To be identified for each Task order. The contractor will be provided notice of these monitors for each Task order.

PART II EVALUATION PROCESS

The participants in the award fee process and the process itself are described in the flow chart in Exhibit A and the following paragraphs:

- A. Award Fee Board Meetings – The meetings will be scheduled so that the evaluation process can be completed and the Determination and Findings presented to the Fee Determination Official for action within 45 days following completion of the evaluation period. At least four voting Award Fee Board member shall be present in order to conduct the meeting.
- B. Award Fee Board Chairperson – A NASA Langley employee designated to lead the Award Fee evaluation process. The Chair is responsible for leading the preparation of the Award Fee Plan and for all Meetings of the Board. The Chair shall schedule all meetings so that the evaluation process can be completed within the time allotted. If the Award Fee Board Chair is unavailable to schedule and conduct the meeting, the Fee Determination Official shall appoint one of the other voting Members to serve as Chairperson for the Award Fee Evaluation period.
- C. Award Fee Board Secretary – A NASA Langley employee responsible for the documentation of the activities of the Board. The Secretary is responsible for the minutes of meetings or other documentation that summarizes the information reviewed, including any additional information provided by the contractor, and the consideration given to all such information.

94-2544 VA, NORFOLK

06/08/99

FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL

REGISTER OF WAGE DETERMINATION UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
Washington, D.C. 20210

Wage Determination No.: 94-2544
Revision No.: 18

Division of Wage Determinations | Date of Last Revision: 06/03/1999

State): North Carolina, Virginia

Areas: North Carolina COUNTIES OF Camden, Chowan, Currituck, Gates,
Pasquotank, Perquimans
Virginia COUNTIES OF Gloucester, Isle of Wight, James City, Mathews,
Southampton, Surry, York, Chesapeake, Hampton, Newport News, Norfolk
Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg

** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing **

OCCUPATION CODE AND TITLE

MINIMUM HOURLY WAGE

Administrative Support and Clerical Occupations:

01011 Accounting Clerk I	\$ 7.76
01012 Accounting Clerk II	\$ 9.80
01013 Accounting Clerk III	\$ 12.19
01014 Accounting Clerk IV	\$ 13.23
01030 Court Reporter	\$ 12.43
01050 Dispatcher, Motor Vehicle	\$ 10.61
01060 Document Preparation Clerk	\$ 9.38
01070 Messenger (Courier)	\$ 7.62
01090 Duplicating Machine Operator	\$ 9.38
01110 Film/Tape Librarian	\$ 9.28
01115 General Clerk I	\$ 7.51
01116 General Clerk II	\$ 9.24
01117 General Clerk III	\$ 11.49
01118 General Clerk IV	\$ 12.84
01120 Housing Referral Assistant	\$ 13.25
01131 Key Entry Operator I	\$ 8.82
01132 Key Entry Operator II	\$ 11.10
01191 Order Clerk I	\$ 8.50
01192 Order Clerk II	\$ 11.12
01261 Personnel Assistant (Employment) I	\$ 9.49
01262 Personnel Assistant (Employment) II	\$ 10.97
01263 Personnel Assistant (Employment) III	\$ 11.58
01264 Personnel Assistant (Employment) IV	\$ 13.27
01270 Production Control Clerk	\$ 13.73
01290 Rental Clerk	\$ 9.97
01300 Scheduler, Maintenance	\$ 9.97
01311 Secretary I	\$ 9.97
01312 Secretary II	\$ 11.60
01313 Secretary III	\$ 13.25
01314 Secretary IV	\$ 15.53
01315 Secretary V	\$ 16.30
01320 Service Order Dispatcher	\$ 10.67
01341 Stenographer I	\$ 10.10
01342 Stenographer II	\$ 11.34
01400 Supply Technician	\$ 13.23
01420 Survey Worker (Interviewer)	\$ 10.30
01460 Switchboard Operator-Receptionist	\$ 8.08

01510	Test Examiner	\$ 11.60
01520	Test Proctor	\$ 11.60
01531	Travel Clerk I	\$ 7.57
01532	Travel Clerk II	\$ 8.08
01533	Travel Clerk III	\$ 8.62
01611	Word Processor I	\$ 10.00
01612	Word Processor II	\$ 11.27
01613	Word Processor III	\$ 12.62

Automatic Data Processing Occupations:

03010	Computer Data Librarian	\$ 8.26
03041	Computer Operator I	\$ 9.25
03042	Computer Operator II	\$ 10.70
03043	Computer Operator III	\$ 13.25
03044	Computer Operator IV	\$ 15.34
03045	Computer Operator V	\$ 16.31
03071	Computer Programmer I 1/	\$ 15.39
03072	Computer Programmer II 1/	\$ 17.42
03073	Computer Programmer III 1/	\$ 20.76
03074	Computer Programmer IV 1/	\$ 24.75
03101	Computer Systems Analyst I 1/	\$ 19.38
03102	Computer Systems Analyst II 1/	\$ 22.32
03103	Computer Systems Analyst III 1/	\$ 27.48
03160	Peripheral Equipment Operator	\$ 9.50

Automotive Service Occupations:

05005	Automobile Body Repairer, Fiberglass	\$ 16.22
05010	Automotive Glass Installer	\$ 14.79
05040	Automotive Worker	\$ 14.79
05070	Electrician, Automotive	\$ 15.49
05100	Mobile Equipment Servicer	\$ 13.37
05130	Motor Equipment Metal Mechanic	\$ 16.22
05160	Motor Equipment Metal Worker	\$ 14.79
05190	Motor Vehicle Mechanic	\$ 16.22
05220	Motor Vehicle Mechanic Helper	\$ 12.61
05250	Motor Vehicle Upholstery Worker	\$ 14.07
05280	Motor Vehicle Wrecker	\$ 14.79
05310	Painter, Automotive	\$ 15.49
05340	Radiator Repair Specialist	\$ 14.07
05370	Tire Repairer	\$ 13.37
05400	Transmission Repair Specialist	\$ 16.22

Food Preparation and Service Occupations:

07010	Baker	\$ 8.68
07041	Cook I	\$ 7.85
07042	Cook II	\$ 8.68
07070	Dishwasher	\$ 6.96
07100	Food Service Worker (Cafeteria Worker)	\$ 6.30
07130	Meat Cutter	\$ 9.85
07250	Waiter/Waitress	\$ 6.58

Furniture Maintenance and Repair Occupations:

09010	Electrostatic Spray Painter	\$ 17.81
09040	Furniture Handler	\$ 12.89
09070	Furniture Refinisher	\$ 15.49
09100	Furniture Refinisher Helper	\$ 12.61
09110	Furniture Repairer, Minor	\$ 14.07
09130	Upholsterer	\$ 15.49

General Service and Support Occupations:

11030	Cleaner, Vehicles	\$ 6.96
11050	Elevator Operator	\$ 6.05
11090	Gardener	\$ 8.91
11121	Housekeeping Aide I	\$ 6.70
11122	Housekeeping Aide II	\$ 7.46
11150	Janitor	\$ 6.96
11210	Laborer, Grounds Maintenance	\$ 7.57
11240	Maid or Houseman	\$ 6.24
11270	Pest Controller	\$ 8.25
11300	Refuse Collector	\$ 6.96
11330	Tractor Operator	\$ 8.49
11360	Window Cleaner	\$ 7.57

Health Occupations:

12020	Dental Assistant	\$ 10.26
12040	Emergency Medical Technician/Paramedic Ambulance Driver	\$ 10.26
12071	Licensed Practical Nurse I	\$ 9.40
12072	Licensed Practical Nurse II	\$ 10.55
12073	Licensed Practical Nurse III	\$ 11.80
12100	Medical Assistant	\$ 9.46
12130	Medical Laboratory Technician	\$ 10.11
12160	Medical Record Clerk	\$ 10.13
12190	Medical Record Technician	\$ 12.71
12221	Nursing Assistant I	\$ 6.66
12222	Nursing Assistant II	\$ 7.49
12223	Nursing Assistant III	\$ 8.17
12224	Nursing Assistant IV	\$ 9.17
12250	Pharmacy Technician	\$ 11.44
12280	Phlebotomist	\$ 10.55
12311	Registered Nurse I	\$ 14.62
12312	Registered Nurse II	\$ 17.83
12313	Registered Nurse II, Specialist	\$ 17.83
12314	Registered Nurse III	\$ 21.64
12315	Registered Nurse III, Anesthetist	\$ 21.64
12316	Registered Nurse IV	\$ 25.93

Information and Arts Occupations:

13002	Audiovisual Librarian	\$ 13.75
13011	Exhibits Specialist I	\$ 15.02
13012	Exhibits Specialist II	\$ 13.25
13013	Exhibits Specialist III	\$ 20.27
13041	Illustrator I	\$ 15.02
13042	Illustrator II	\$ 18.25
13043	Illustrator III	\$ 20.27
13047	Librarian	\$ 15.81
13050	Library Technician	\$ 11.02
13071	Photographer I	\$ 11.33
13072	Photographer II	\$ 15.02
13073	Photographer III	\$ 13.25
13074	Photographer IV	\$ 20.27
13075	Photographer V	\$ 24.53

Laundry, Drycleaning, Pressing and Related Occups:

15010	Assembler	\$ 5.33
15030	Counter Attendant	\$ 5.33
15040	Dry Cleaner	\$ 7.13
15070	Finisher, Flatwork, Machine	\$ 5.33
15090	Presser, Hand	\$ 5.33
15100	Presser, Machine, Drycleaning	\$ 5.33
15130	Presser, Machine, Shirts	\$ 5.33
15160	Presser, Machine, Wearing Apparel, Laundry	\$ 5.33

15190 Sewing Machine Operator	\$ 7.65
15220 Tailor	\$ 9.13
15250 Washer, Machine	\$ 6.23

Machine Tool Operation and Repair Occupations:

19010 Machine-Tool Operator (Toolroom)	\$ 15.49
19040 Tool and Die Maker	\$ 17.84

Materials Handling and Packing Occupations:

21010 Fuel Distribution System Operator	\$ 13.37
21020 Material Coordinator	\$ 14.02
21030 Material Expediter	\$ 14.02
21040 Material Handling Laborer	\$ 8.56
21050 Order Filler	\$ 8.46
21071 Forklift Operator	\$ 10.36
21080 Production Line Worker (Food Processing)	\$ 10.54
21100 Shipping/Receiving Clerk	\$ 10.13
21130 Shipping Packer	\$ 10.13
21140 Store Worker I	\$ 8.40
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 10.51
21210 Tools and Parts Attendant	\$ 12.54
21400 Warehouse Specialist	\$ 12.07

Mechanics and Maintenance and Repair Occupations:

23010 Aircraft Mechanic	\$ 17.75
23040 Aircraft Mechanic Helper	\$ 13.30
23050 Aircraft Quality Control Inspector	\$ 13.53
23060 Aircraft Servicer	\$ 15.39
23070 Aircraft Worker	\$ 16.13
23100 Appliance Mechanic	\$ 15.49
23120 Bicycle Repairer	\$ 13.37
23125 Cable Splicer	\$ 16.22
23130 Carpenter, Maintenance	\$ 15.49
23140 Carpet Layer	\$ 17.01
23160 Electrician, Maintenance	\$ 16.22
23181 Electronics Technician, Maintenance I	\$ 14.09
23182 Electronics Technician, Maintenance II	\$ 14.41
23183 Electronics Technician, Maintenance III	\$ 15.44
23260 Fabric Worker	\$ 14.07
23290 Fire Alarm System Mechanic	\$ 16.22
23310 Fire Extinguisher Repairer	\$ 13.37
23340 Fuel Distribution System Mechanic	\$ 16.22
23370 General Maintenance Worker	\$ 14.79
23400 Heating, Refrigeration and Air-Conditioning Mechanic	\$ 16.22
23430 Heavy Equipment Mechanic	\$ 16.22
23440 Heavy Equipment Operator	\$ 16.22
23460 Instrument Mechanic	\$ 16.22
23470 Laborer	\$ 9.63
23500 Locksmith	\$ 15.49
23530 Machinery Maintenance Mechanic	\$ 16.13
23550 Machinist, Maintenance	\$ 16.22
23580 Maintenance Trades Helper	\$ 12.61
23640 Millwright	\$ 13.65
23700 Office Appliance Repairer	\$ 15.49
23740 Painter, Aircraft	\$ 15.49
23760 Painter, Maintenance	\$ 15.49
23790 Pipefitter, Maintenance	\$ 16.22
23800 Plumber, Maintenance	\$ 15.49
23820 Pneumatic Systems Mechanic	\$ 16.22
23860 Rigger	\$ 16.22
23870 Scale Mechanic	\$ 14.79

29086	Engineering Technician VI	\$ 27.78
29090	Environmental Technician	\$ 15.87
29100	Flight Simulator/Instructor (Pilot)	\$ 23.32
29150	Graphic Artist	\$ 17.62
29150	Instructor	\$ 17.51
29210	Laboratory Technician	\$ 11.86
29240	Mathematical Technician	\$ 15.87
29361	Paralegal/Legal Assistant I	\$ 10.80
29362	Paralegal/Legal Assistant II	\$ 13.12
29363	Paralegal/Legal Assistant III	\$ 16.05
29364	Paralegal/Legal Assistant IV	\$ 19.42
29390	Photooptics Technician	\$ 18.25
29430	Technical Writer	\$ 15.02
29491	Unexploded Ordnance Technician I	\$ 15.82
29492	Unexploded Ordnance Technician II	\$ 19.15
29493	Unexploded Ordnance Technician III	\$ 22.95
29494	Unexploded Safety Escort	\$ 15.82
29495	Unexploded Sweep Personnel	\$ 15.82
29620	Weather Observer, Senior 3/	\$ 14.72
29621	Weather Observer, Combined Upper Air & Surface Programs 3/	\$ 13.60
29622	Weather Observer, Upper Air 3/	\$ 13.60

Transportation/Mobile Equipment Operation Occups:

31030	Bus Driver	\$ 9.42
31260	Parking and Lot Attendant	\$ 6.98
31290	Shuttle Bus Driver	\$ 9.01
31300	Taxi Driver	\$ 8.50
31361	Truckdriver, Light Truck	\$ 9.01
31362	Truckdriver, Medium Truck	\$ 9.42
31363	Truckdriver, Heavy Truck	\$ 11.18
31364	Truckdriver, Tractor-Trailer	\$ 11.18

Miscellaneous Occupations:

99020	Animal Caretaker	\$ 7.00
99030	Cashier	\$ 6.23
99041	Carnival Equipment Operator	\$ 8.49
99042	Carnival Equipment Repairer	\$ 8.91
99043	Carnival Worker	\$ 6.05
99050	Desk Clerk	\$ 7.00
99095	Embalmer	\$ 17.63
99300	Lifeguard	\$ 6.16
99310	Mortician	\$ 17.63
99350	Park Attendant (Aide)	\$ 7.74
99400	Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	\$ 6.91
99500	Recreation Specialist	\$ 13.04
99510	Recycling Worker	\$ 8.52
99610	Sales Clerk	\$ 6.16
99620	School Crossing Guard (Crosswalk Attendant)	\$ 6.96
99630	Sports Official	\$ 6.16
99653	Survey Party Chief (Chief of Party)	\$ 9.49
99659	Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	\$ 8.63
99660	Surveying Aide	\$ 5.92
99690	Swimming Pool Operator	\$ 8.63
99720	Vending Machine Attendant	\$ 8.52
99730	Vending Machine Repairer	\$ 9.93
99740	Vending Machine Repairer Helper	\$ 8.52

** Fringe Benefits Required For All Occupations Included In
This Wage Determination **

HEALTH & WELFARE: Life, accident, and health insurance plans, sick

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

** NOTES APPLYING TO THIS WAGE DETERMINATION **

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
(Standard Form 1444 (SF 1444))

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C) (vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate.
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title, a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including

information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 6

2. AMENDMENT/MODIFICATION NO: 148
3. EFFECTIVE DATE: See Block 16C
4. REQUISITION/PURCHASE REQ. NO: See page 3
5. PROJECT NO. (If applicable)

6. ISSUED BY: National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001
7. ADMINISTERED BY (If other than item 6):

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code):
Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001
9A. AMENDMENT OF SOLICITATION NO.
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO.
NAS1-96014
10B. DATED (SEE ITEM 13)
7/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to add incremental funding of \$198,555 (\$185,709 in cost and \$12,846 in fee) and to deobligate incremental funding in the amount of -\$122,500 for cost; the resultant amount is a deobligation of \$76,055 (\$63,209 for cost and \$12,846 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
"A. For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$43,991,352 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,890,814 is obligated under this contract for payment of fee"
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Darlene T. Baxter
Contracting Officer
16B. UNITED STATES OF AMERICA
BY: [Signature]
[Signature of Contracting Officer]
16C. DATE SIGNED
7/29/99

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCP.1259	99	R22885	522141103	\$22,716.00	DC24	OBLIGATE/COMP
DMF.5148	98	R19572	53802110100	-\$5,000.00	DM29	DEOBLIGATE/COMP
DMF.5149	98	R22823	24233011200	-\$2,500.00	DM41	DEOBLIGATE/COMP
DSD.1654	99	R23063	52231810300	\$16,090.00	RC01	OBLIGATE/COMP
IA.1269	99	H15342	53709420100	-\$68,552.00	DF20	DEOBLIGATE/COMP
IA.1183	99	H15342	5370920100	-\$11,448.00	DF20	DEOBLIGATE/COMP
IA.1292	99	H15342	53709420100	-\$35,000.00	DF28	DEOBLIGATE/COMP
RDI.1000	99	R24109	52224111300	\$15,000.00	DI13	OBLIGATE/COMP
RBE.1002	99	R23735	57603141000	\$50,000.00	DF22	OBLIGATE/COMP
RCF.1006	99	R22229	32378010400	\$4,749.00	DM32	OBLIGATE/COMP
RCE.1005	99	R22954	52212510100	\$90,000.00	DM49	OBLIGATE/COMP

TOTAL: \$76,055.00

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$25,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53		0	0	0	\$0
Mod. No. 54		0	0	0	\$321,700
Mod. No. 55		0	0	0	\$90,000
Mod. No. 56		0	0	0	\$82,268
Mod. No. 57		0	0	0	\$158,025
Mod. No. 58		0	0	0	\$337,539
Mod. No. 59		0	0	0	\$72,177
Mod. No. 60		0	0	0	\$137,790
Mod. No. 61		0	0	0	\$68,241
Mod. No. 62		0	0	0	\$163,252
Mod. No. 63		0	0	0	\$212,523
Mod. No. 64		0	0	0	\$5,000
Mod. No. 65		0	0	0	\$161,000
Mod. No. 66		0	0	0	-\$1,500
Mod. No. 67		0	0	0	\$25,012
Mod. No. 68		0	0	0	\$81,617
Mod. No. 70		0	0	0	\$42,500
Mod. No. 71		0	0	0	\$170,400
Mod. No. 72		0	0	0	\$137,450
Mod. No. 73		0	0	0	\$17,017
Mod. No. 74		0	0	0	-\$219,587
Mod. No. 75		0	0	0	\$53,105
Mod. No. 76		0	0	0	\$84,000
Mod. No. 77		0	0	0	\$26,000
Mod. No. 78		0	0	0	\$59,923
Mod. No. 79		0	0	0	\$111,200
Mod. No. 80		0	0	0	\$45,000
Mod. No. 81		0	0	0	\$228,268
Mod. No. 82		0	0	0	\$116,081
Mod. No. 83		0	0	0	\$54,756
Mod. No. 84		0	0	0	\$358,138
Mod. No. 85		0	0	0	\$626,792
Mod. No. 86		0	0	0	\$172,534
Mod. No. 87		0	0	0	\$1,489,768
Mod. No. 88		0	0	0	\$261,615
Mod. No. 89		0	0	0	\$432,103
Mod. No. 90		0	0	0	\$654,540
Mod. No. 91		0	0	0	\$385,962
Mod. No. 92		0	0	0	\$223,773
Mod. No. 93		0	0	0	\$690,943
Mod. No. 94		0	0	0	\$393,792
Mod. No. 95		0	0	0	\$414,946
Mod. No. 96		0	0	0	\$211,276
Mod. No. 97		0	0	0	\$361,112
Mod. No. 98		0	0	0	\$205,292
Mod. No. 99		0	0	0	\$266,333
Mod. No. 100		0	0	0	\$119,291
Mod. No. 101		0	0	0	\$0
Mod. No. 102		0	0	0	\$251,928
Mod. No. 103		9,828,545	679374	10,507,919	\$210,774
Mod. No. 104		0	0	0	\$121,964
Mod. No. 105		0	0	0	\$33,512
Mod. No. 106		0	0	0	\$842,780
Mod. No. 107		0	0	0	\$442,761
Mod. No. 108		0	0	0	\$362,407
Mod. No. 109		0	0	0	\$167,861
Mod. No. 110		0	0	0	\$267,166
Mod. No. 111		0	0	0	\$294,021
Mod. No. 112		0	0	0	\$938,221
Mod. No. 113		0	0	0	\$1,393,672
Mod. No. 114		0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No.	115	0	0	0	\$	389,519
Mod. No.	116	0	0	0	\$	-
Mod. No.	117	0	0	0	\$	223,441
Mod. No.	118	0	0	0	\$	(60,583)
Mod. No.	119	0	0	0	\$	(71,323)
Mod. No.	120	0	0	0	\$	215,401
Mod. No.	121	0	0	0	\$	316,453
Mod. No.	122	0	0	0	\$	278,666
Mod. No.	123	0	0	0	\$	402,261
Mod. No.	124	0	0	0	\$	1,973,725
Mod. No.	125	0	0	0	\$	782,189
Mod. No.	126	0	0	0	\$	737,346
Mod. No.	127	0	0	0	\$	1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Mod. No.	129	\$0	\$0	\$0	\$	469,922
Mod. No.	130	0	0	0	\$	412,597
Mod. No.	131	0	0	0	\$	500,533
Mod. No.	132	0	0	0	\$	554,738
Mod. No.	133	0	0	0	\$	-
Mod. No.	134	0	0	0	\$	448,880
Mod. No.	135	0	0	0	\$	402,973
Mod. No.	136	0	0	0	\$	627,708
Mod. No.	137	0	0	0	\$	426,837
Mod. No.	138	0	0	0	\$	230,713
Mod. No.	139	0	0	0	\$	574,850
Mod. No.	140	0	0	0	\$	76,172
Mod. No.	141	0	0	0	\$	243,783
Mod. No.	142	0	0	0	\$	371,455
Mod. No.	143	0	0	0	\$	512,131
Mod. No.	144	0	0	0	\$	356,170
Mod. No.	145	0	0	0	\$	605,967
Mod. No.	146	0	0	0	\$	742,406
Mod. No.	147	0	0	0		\$308,291
Mod. No.	148	0	0	0		\$76,055
Totals		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$	46,882,666

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
	\$ 21,247	\$1,469	\$ 22,716	DC24
	\$ (5,000)	\$0	\$ (5,000)	DM29
	\$ (2,500)	\$0	\$ (2,500)	DM41
	\$ 15,049	\$1,041	\$ 16,090	RC01
	\$ (68,552)	\$0	\$ (68,552)	DF20
	\$ (11,448)	\$0	\$ (11,448)	DF20
	\$ (35,000)	\$0	\$ (35,000)	DF28
	\$ 14,029	\$971	\$ 15,000	DI13
	\$ 46,765	\$ 3,235	\$ 50,000	DF22
	\$ 84,177	\$ 5,823	\$ 90,000	DM49
	\$ 4,442	\$ 307	\$ 4,749	DM32
This Mod	\$ 63,209	\$ 12,846	\$ 76,055	
Previous	\$ 43,928,643	\$ 2,877,968	\$ 46,806,611	
Total	\$ 43,991,852	\$ 2,890,814	\$ 46,882,666	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 149		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 3	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn. Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

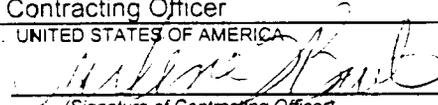
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to add incremental funding of \$25,000 (\$23,382 for cost and \$1,618 for fee) and to revise the Award Fee Evaluation Plan. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,015,234 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,892,432 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Darlene T. Baxter Contracting Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/30/96

B. Under paragraph I.17 – AWARD FEE FOR SERVICE CONTRACTS, revise 3 of the Award Fee Evaluation Plan per Attachment No. 1.

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>Q</u>	<u>RTR</u>	<u>Amount</u>	<u>Task.No.</u>	<u>Status</u>
RCE.1004	99	R24412	39835015000	\$25,000.00	DM49	OBLIGATE/COMPLETE

TOTAL: \$25,000.00

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,535
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No. 115	0	0	0	\$	389,519
Mod. No. 116	0	0	0	\$	-
Mod. No. 117	0	0	0	\$	223,441
Mod. No. 118	0	0	0	\$	(60,583)
Mod. No. 119	0	0	0	\$	(71,323)
Mod. No. 120	0	0	0	\$	215,401
Mod. No. 121	0	0	0	\$	316,453
Mod. No. 122	0	0	0	\$	278,666
Mod. No. 123	0	0	0	\$	402,261
Mod. No. 124	0	0	0	\$	1,973,725
Mod. No. 125	0	0	0	\$	782,189
Mod. No. 126	0	0	0	\$	737,346
Mod. No. 127	0	0	0	\$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Mod. No. 129	\$0	\$0	\$0	\$	469,922
Mod. No. 130	0	0	0	\$	412,597
Mod. No. 131	0	0	0	\$	500,533
Mod. No. 132	0	0	0	\$	554,738
Mod. No. 133	0	0	0	\$	-
Mod. No. 134	0	0	0	\$	448,880
Mod. No. 135	0	0	0	\$	402,973
Mod. No. 136	0	0	0	\$	627,708
Mod. No. 137	0	0	0	\$	426,837
Mod. No. 138	0	0	0	\$	230,713
Mod. No. 139	0	0	0	\$	574,850
Mod. No. 140	0	0	0	\$	76,172
Mod. No. 141	0	0	0	\$	243,783
Mod. No. 142	0	0	0	\$	371,455
Mod. No. 143	0	0	0	\$	512,131
Mod. No. 144	0	0	0	\$	356,170
Mod. No. 145	0	0	0	\$	605,967
Mod. No. 146	0	0	0	\$	742,406
Mod. No. 147	0	0	0		\$308,291
Mod. No. 148	0	0	0		\$76,055
Mod. No. 149	0	0	0		\$25,000
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$	46,907,666

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	
\$ 23,382	\$1,618	\$ 25,000	dm49

This Mod	\$ 23,382	\$ 1,618	\$ 25,000
Previous	\$ 43,991,852	\$ 2,890,814	\$ 46,882,666
Total	\$ 44,015,234	\$ 2,892,432	\$ 46,907,666

REVISION NO. 5

PART I - AWARD FEE EVALUATION BOARD CHARTER AND MEMBERSA. General

The Award Fee Evaluation Board derives its authority from Langley Research Center memorandum signed by the Center Director.

The Charter of the Award Fee is to maintain an organization and establish a method of operation which will ensure acquisition of data necessary to permit a valid semi-annual assessment of the Contractor's performance in the following five (5) areas: Technical Performance, Management, Cost, Safety, and Utilization of Small Disadvantaged Business (SDB) Subcontractors. The Award Fee Board is to develop an evaluation plan, evaluate the contractor's overall performance concerning the contract work, discuss such evaluations with the Contractor, receive and consider any additional performance data provided, and submit to the Fee Determination Official a fee recommendation for each evaluation period with applicable results and findings.

B. Award Fee Evaluation Board

The award fee organization is established as follows:

1. Fee Determination Official:

Sammie D. Joplin, Systems Engineering Competency

2. Award Fee Evaluation BoardChairman:

R. Keith Bird, Materials Division, Research and Technology Group

Voting Members:

David H. Jones, Office of Procurement, Procurement Support Branch B

Anne Mackenzie, Sensors Research Branch, FETD

James L. Pittman, Gas Dynamics Division, Research & Technology Group

Dr. James Luckring, Aero & Gas Dynamics Division

E. Leon Morrisette, Fluid Mechanics and Acoustics Division

Secretary (Non voting)

Lisa F. Peckham, Flight Electronics Technology Division, Research and Technology Group

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 150		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	1. CONTRACT ID CODE	PAGE OF PAGES 1 7
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

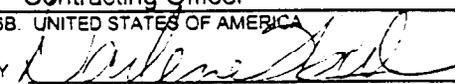
12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to authorize the payment of \$452,500 in earned award fee under the subject contract for the Sixth Award Fee period, and to adjust the Contract Schedule to reflect the available award fee pool for the period and the Earned award fee amount. Accordingly, the following changes are made to the Contract Schedule:

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/6/99

FILE COPY

A. Under B.3—AWARD FEE AVAILABILITY SCHEDULE, (LaRC 52.216-96)(MAR 1989), is hereby being revised as follows:

"The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>	<u>Earned Award Fee</u>	<u>Unearned Award Fee</u>
<u>Basic</u>			
7/1/96 - 12/31/96	\$480,601	\$401,300	\$79,301
1/1/97 - 6/30/97	\$519,041	\$437,300	\$81,741
<u>Option 1:</u>			
7/1/97 - 12/31/97	\$450,675	\$402,250	\$48,425
1/1/98 - 6/30/98	\$557,322	\$503,600	\$53,722
<u>Option 2:</u>			
7/1/98 - 12/31/98	\$504,627	\$468,300	\$36,327
1/1/99 - 6/30/99	\$494,770	\$452,500	\$42,270
<u>Option 3:</u>			
7/1/99 - 12/31/99	TBD*	TBD*	TBD*
1/1/00 - 9/30/00	TBD*	TBD*	TBD*
TOTAL	\$3,007,036	\$2,665,250	\$341,786

(The NOTE at the bottom of B.3 remains unchanged.)

B. The earned award fee amount of \$452,500 shall be paid to the Contractor upon execution of this modification by the Contracting Officer for the Sixth Award Fee period.

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
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TOTAL:				\$0.00		
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CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957,148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$25,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,225

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,917
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>	
Mod. No. 115		0	0	0	\$	389,519
Mod. No. 116		0	0	0	\$	-
Mod. No. 117		0	0	0	\$	223,441
Mod. No. 118		0	0	0	\$	(60,583)
Mod. No. 119		0	0	0	\$	(71,323)
Mod. No. 120		0	0	0	\$	215,401
Mod. No. 121		0	0	0	\$	316,453
Mod. No. 122		0	0	0	\$	278,666
Mod. No. 123		0	0	0	\$	402,261
Mod. No. 124		0	0	0	\$	1,973,725
Mod. No. 125		0	0	0	\$	782,189
Mod. No. 126		0	0	0	\$	737,346
Mod. No. 127		0	0	0	\$	1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502	\$	207,337
Mod. No. 129		\$0	\$0	\$0	\$	469,922
Mod. No. 130		0	0	0	\$	412,597
Mod. No. 131		0	0	0	\$	500,533
Mod. No. 132		0	0	0	\$	554,738
Mod. No. 133		0	0	0	\$	-
Mod. No. 134		0	0	0	\$	448,880
Mod. No. 135		0	0	0	\$	402,973
Mod. No. 136		0	0	0	\$	627,708
Mod. No. 137		0	0	0	\$	426,837
Mod. No. 138		0	0	0	\$	230,713
Mod. No. 139		0	0	0	\$	574,850
Mod. No. 140		0	0	0	\$	76,172
Mod. No. 141		0	0	0	\$	243,783
Mod. No. 142		0	0	0	\$	371,455
Mod. No. 143		0	0	0	\$	512,131
Mod. No. 144		0	0	0	\$	356,170
Mod. No. 145		0	0	0	\$	605,967
Mod. No. 146		0	0	0	\$	742,406
Mod. No. 147		0	0	0		\$308,291
Mod. No. 148		0	0	0		\$76,055
Mod. No. 149		0	0	0		\$25,000
Mod. No. 150		0	0	0		\$0
Totals		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$	46,907,666

Cost Award Fee Total

This Mod	\$	-	\$	-	\$	-
Previous	\$	43,991,852	\$	2,890,814	\$	46,882,666
Total	\$	43,991,852	\$	2,890,814	\$	46,882,666

Handwritten notes:
 440,000 889,452 46,882,666 Mod 151

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT NUMBER: [] PAGE OF PAGES: 1 / 8

2. AMENDMENT/MODIFICATION NO: 151 3. EFFECTIVE DATE: See Block 16C 4. REQUISITION/PURCHASE REQ. NO: See page 2 5. PROJECT NO. (If applicable): []

6. ISSUED BY: [] CODE: [] 7. ADMINISTERED BY (If other than item 6): [] CODE: []

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code): [] (x) 9A. AMENDMENT OF SOLICITATION NO. []

Lockheed Martin Engineering & Sciences Company
Attn: Mail Stop 371
NASA Langley Research Center
Hampton, VA 23681-0001

9B. DATED (SEE ITEM 11): []

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014

10B. DATED (SEE ITEM 13): 7/1/96

CODE: [] FACILITY CODE: []

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required): See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purposes of this modification are to add incremental funding of \$51,599 (\$48,261 for cost and \$3,338 for fee) and to transfer the unearned award fee amounts for the Sixth Award Fee Period from all applicable Task Orders to Task Order D000. The total to be transferred is \$42,270; this results in a total obligation of \$51,599 (\$90,531 for cost and -\$38,932 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,125,765 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,853,500 is obligated under this contract for payment of fee"

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print): [] 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print): Darlene T. Baxter Contracting Officer

15B. CONTRACTOR/OFFEROR: [] 15C. DATE SIGNED: [] 16B. UNITED STATES OF AMERICA: [] 16C. DATE SIGNED: 8/17/96

Signature of person authorized to sign: [] BY: [Signature] (Signature of Contracting Officer)

FILE

ACCOUNTING AND APPROPRIATION DATA

PR.NO.	PY	JQ	RTR	Amount	Task No.	Status
RBB.1001	99	R22949	52221510400	\$1,599.00	DA21	COMPLETE/OBLIGATE
RBB.1001	99	R23062	52211710200	\$35,000.00	DA21	COMPLETE/OBLIGATE
RBB.1001	99	R23836	52232410100	\$5,000.00	DA21	COMPLETE/OBLIGATE
RDI.1002	99	R24408	52222715000	\$10,000.00	DI13	COMPLETE/OBLIGATE

The following is a list of the transfers of unearned fee from individual tasks to DO00

DAE.1270	99	M3685	992200331	-\$791.00	DA06	TRANSFER TO DO00
DAA.2033	99	R22942	538141401	-\$476.00	DA08	TRANSFER TO DO00
DAE.1267	99	R23916	522254103	-\$300.00	DA09	TRANSFER TO DO00
DAE.1268	99	R23917	522254103	-\$302.00	DA10	TRANSFER TO DO00
DAE.1269	99	M3692	992200331	-\$425.00	DA14	TRANSFER TO DO00
BA.1088	98	R23453	505905905	-\$92.00	DA16	TRANSFER TO DO00
DAA.2059	99	R9985	505598709	-\$248.00	DA18	TRANSFER TO DO00
DAB.1114	99	R22900	242800101	-\$330.00	DA19	TRANSFER TO DO00
DAF.0422	99	R24277	242727511	-\$1,341.00	DA20	TRANSFER TO DO00
DAC.1086	99	R23176	522316103	-\$1,231.00	DA21	TRANSFER TO DO00
DAA.2015	98	R22939		-\$67.00	DA22	TRANSFER TO DO00
GGK.1494	94	C295302	295320100	-\$259.00	DA23	TRANSFER TO DO00
DAE.1299	99	M3684	992200331	-\$563.00	DA24	TRANSFER TO DO00
DAC.1094	99	R24138	537075110	-\$1,231.00	DA25	TRANSFER TO DO00
DCL.1143	99	R23998	242713401	-\$414.00	DC08	TRANSFER TO DO00
GKE.1178	99	R22895	522191101	-\$111.00	DC12	TRANSFER TO DO00
DCK.1172	99	R22994	522216101	-\$517.00	DC19	TRANSFER TO DO00
DCO.1174	99	R20708	505641258	-\$150.00	DC20	TRANSFER TO DO00
DCO.1176	99	R23864	576021402	-\$233.00	DC21	TRANSFER TO DO00
DCP.1260	99	R22885	522141103	-\$227.00	DC22	TRANSFER TO DO00
DCO.1218	99	R23815	576021111	-\$795.00	DC23	TRANSFER TO DO00
DCP.1259	99	R22885	522141103	-\$1,007.00	DC24	TRANSFER TO DO00
DCK.1166	99	H15338	537094101	-\$1,117.00	DC25	TRANSFER TO DO00
RD.A.1000	99	R23827	522171105	-\$603.00	DC26	TRANSFER TO DO00
DCO.1223	99	R20708	505641258	-\$595.00	DC27	TRANSFER TO DO00
DCM.1323	99	M3989	992200331	-\$253.00	DC28	TRANSFER TO DO00
DCL.1147	99	R24286	242826310	-\$144.00	DC29	TRANSFER TO DO00
DCM.1334	99	R24260	505683073	-\$101.00	DC30	TRANSFER TO DO00
DCM.1324	99	R23002	52254101	-\$7.00	DC31	TRANSFER TO DO00
DCP.1288	99	R22885	522141103	-\$17.00	DC32	TRANSFER TO DO00
DFC.3658	99	H2313A	538031101	-\$34.00	DF18	TRANSFER TO DO00
DFC.3725	99	R22187	538031302	-\$1,852.00	DF19	TRANSFER TO DO00
IA.1269	99	H15342	537094201	-\$1,281.00	DF20	TRANSFER TO DO00
DFB.3887	99	H2321S	538031202	-\$199.00	DF21	TRANSFER TO DO00
RBE.1002	99	R23735	576031410	-\$555.00	DF22	TRANSFER TO DO00
BD.1207	99	R24293	581501201	-\$103.00	DF23	TRANSFER TO DO00
DFM.1278	98	R23671	505595358	-\$256.00	DF24	TRANSFER TO DO00
DFM.1315	99	R22936	522316101	-\$237.00	DF25	TRANSFER TO DO00
RBF.1000	99	H2342S	538031401	-\$600.00	DF26	TRANSFER TO DO00
DFL.1502	99	R22971	522316101	-\$213.00	DF27	TRANSFER TO DO00
DAE.1297	99	R21827	522513120	-\$519.00	DG01	TRANSFER TO DO00
DAB.1138	99	R23997	242713402	-\$285.00	DG03	TRANSFER TO DO00
DI.1260	99	R21838	522142102	-\$454.00	DI01	TRANSFER TO DO00
DI.1261	99	R22965	522352101	-\$282.00	DI09	TRANSFER TO DO00
DI.1262	99	R21838	522142102	-\$207.00	DI11	TRANSFER TO DO00
DI.1236	99	R22293	258702106	-\$92.00	DI12	TRANSFER TO DO00
RDI.1000	99	R24109	522241113	-\$1,260.00	DI13	TRANSFER TO DO00
DI.1258	99	R24016	101212301	-\$680.00	DI17	TRANSFER TO DO00

CONTRACT TABULATION

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$842,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313

CONTRACT TABULATION

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 115	0	0	0 \$	389,519
Mod. No. 116	0	0	0 \$	-
Mod. No. 117	0	0	0 \$	223,441
Mod. No. 118	0	0	0 \$	(60,583)
Mod. No. 119	0	0	0 \$	(71,323)
Mod. No. 120	0	0	0 \$	215,401
Mod. No. 121	0	0	0 \$	316,453
Mod. No. 122	0	0	0 \$	278,666
Mod. No. 123	0	0	0 \$	402,261
Mod. No. 124	0	0	0 \$	1,973,725
Mod. No. 125	0	0	0 \$	782,189
Mod. No. 126	0	0	0 \$	737,346
Mod. No. 127	0	0	0 \$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502 \$	207,337
Mod. No. 129	\$0	\$0	\$0 \$	469,922
Mod. No. 130	0	0	0 \$	412,597
Mod. No. 131	0	0	0 \$	500,533
Mod. No. 132	0	0	0 \$	554,738
Mod. No. 133	0	0	0 \$	-
Mod. No. 134	0	0	0 \$	448,880
Mod. No. 135	0	0	0 \$	402,973
Mod. No. 136	0	0	0 \$	627,708
Mod. No. 137	0	0	0 \$	426,837
Mod. No. 138	0	0	0 \$	230,713
Mod. No. 139	0	0	0 \$	574,850
Mod. No. 140	0	0	0 \$	76,172
Mod. No. 141	0	0	0 \$	243,783
Mod. No. 142	0	0	0 \$	371,455
Mod. No. 143	0	0	0 \$	512,131
Mod. No. 144	0	0	0 \$	356,170
Mod. No. 145	0	0	0 \$	605,967
Mod. No. 146	0	0	0 \$	742,406
Mod. No. 147	0	0	0	\$308,291
Mod. No. 148	0	0	0	\$76,055
Mod. No. 149	0	0	0	\$25,000
Mod. No. 150	0	0	0	\$0
Mod. No. 151	0	0	0	\$51,599
 Totals	 \$ 48,296,125	 \$ 3,338,931	 \$ 51,635,056 \$	 46,959,265

Cost	Award Fee	Total	Task Order No.
\$ 9,353	647	\$ 10,000	DI13
\$ 38,908	2691	\$ 41,599	DA21
0	-\$791.00	\$ (791)	DA06
0	-\$476.00	\$ (476)	DA08
0	-\$300.00	\$ (300)	DA09
0	-\$302.00	\$ (302)	DA10
0	-\$425.00	\$ (425)	DA14
0	-\$92.00	\$ (92)	DA16
0	-\$248.00	\$ (248)	DA18
0	-\$330.00	\$ (330)	DA19
0	-\$1,341.00	\$ (1,341)	DA20
0	-\$1,231.00	\$ (1,231)	DA21
0	-\$67.00	\$ (67)	DA22
0	-\$259.00	\$ (259)	DA23
0	-\$563.00	\$ (563)	DA24
0	-\$1,231.00	\$ (1,231)	DA25
0	-\$414.00	\$ (414)	DC08
0	-\$111.00	\$ (111)	DC12
0	-\$517.00	\$ (517)	DC19
0	-\$150.00	\$ (150)	DC20
0	-\$233.00	\$ (233)	DC21
0	-\$227.00	\$ (227)	DC22
0	-\$795.00	\$ (795)	DC23
0	-\$1,007.00	\$ (1,007)	DC24
0	-\$1,117.00	\$ (1,117)	DC25
0	-\$603.00	\$ (603)	DC26
0	-\$595.00	\$ (595)	DC27
0	-\$253.00	\$ (253)	DC28
0	-\$144.00	\$ (144)	DC29
0	-\$101.00	\$ (101)	DC30
0	-\$7.00	\$ (7)	DC31
0	-\$17.00	\$ (17)	DC32
0	-\$34.00	\$ (34)	DF18
0	-\$1,852.00	\$ (1,852)	DF19
0	-\$1,281.00	\$ (1,281)	DF20
0	-\$199.00	\$ (199)	DF21
0	-\$555.00	\$ (555)	DF22
0	-\$103.00	\$ (103)	DF23
0	-\$256.00	\$ (256)	DF24
0	-\$237.00	\$ (237)	DF25
0	-\$600.00	\$ (600)	DF26
0	-\$213.00	\$ (213)	DF27
0	-\$519.00	\$ (519)	DG01
0	-\$285.00	\$ (285)	DG03
0	-\$454.00	\$ (454)	DI01
0	-\$282.00	\$ (282)	DI09
0	-\$207.00	\$ (207)	DI11
0	-\$92.00	\$ (92)	DI12
0	-\$1,260.00	\$ (1,260)	DI13
0	-\$680.00	\$ (680)	DI17
0	-\$858.00	\$ (858)	DI18
0	-\$834.00	\$ (834)	DI19
0	-\$1,318.00	\$ (1,318)	DI20

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
0	-\$363.00	\$ (363)	DI21
0	-\$256.00	\$ (256)	DI22
0	-\$22.00	\$ (22)	DM21
0	-\$24.00	\$ (24)	DM29
0	-\$851.00	\$ (851)	DM32
0	-\$259.00	\$ (259)	DM42
0	-\$80.00	\$ (80)	DM43
0	-\$356.00	\$ (356)	DM45
0	-\$515.00	\$ (515)	DM46
0	-\$210.00	\$ (210)	DM47
0	-\$405.00	\$ (405)	DM48
0	-\$2,627.00	\$ (2,627)	DM49
0	-\$104.00	\$ (104)	DM50
0	-\$1,007.00	\$ (1,007)	DM51
0	-\$214.00	\$ (214)	DM52
0	-\$290.00	\$ (290)	DM53
0	-\$906.00	\$ (906)	DM54
0	-\$229.00	\$ (229)	DM55
0	-\$3.00	\$ (3)	DM57
0	-\$3,072.00	\$ (3,072)	DS09
0	-\$239.00	\$ (239)	DS10
0	-\$464.00	\$ (464)	DS12
0	-\$269.00	\$ (269)	DS13
0	-\$773.00	\$ (773)	DS14
0	-\$2,029.00	\$ (2,029)	DS15
0	-\$491.00	\$ (491)	DS17
0	-\$80.00	\$ (80)	DS18
\$ 42,270	-66	\$ 42,204	DC00

This Mod	\$ 90,531	\$ (38,932)	\$ 51,599
Previous	\$ 44,015,234	\$ 2,892,432	\$ 46,907,666
Total	\$ 44,105,765	\$ 2,853,500	\$ 46,959,265

*Corrects total reflected on Modification No. 150

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 152		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

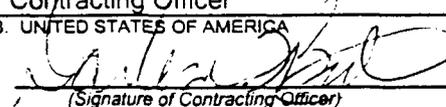
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to add incremental funding of \$187,917 (\$175,759 for cost and \$12,158 for fee). Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$44,281,524 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,865,658 is obligated under this contract for payment of fee.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/25/99

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBE.106	99	H2331A	53803130100	\$50,000.00	DF19	COMPLETE/OBLIGATE
RBJ.1007	99	R23071	52232310100	\$20,000.00	DA10	COMPLETE/OBLIGATE
RBJ.1007	99	R24105	52225116200	\$3,000.00	DA10	COMPLETE/OBLIGATE
RCE.1003	99	H1340	53709410200	\$3,000.00	DM49	COMPLETE/OBLIGATE
RCE.1003	99	R21929	52232310200	\$25,000.00	DM49	COMPLETE/OBLIGATE
RCF.1012	99	R22229	32378010400	\$2,905.00	DM32	COMPLETE/OBLIGATE
RCF.1012	99	R22229	32378010400	\$362.00	DM32	COMPLETE/OBLIGATE
RDA.1006	99	R23797	50590590800	\$5,000.00	DC26	COMPLETE/OBLIGATE
RDA.1006	99	R24226	52225315500	\$5,000.00	DC26	COMPLETE/OBLIGATE
RDA.1006	99	R24257	52211710800	\$1,658	DC26	COMPLETE/OBLIGATE
RDA.1006	99	R24260	50568307300	\$4,708	DC26	COMPLETE/OBLIGATE
DCO.1176	98	R20708	505641258	\$60,000	DC21	COMPLETE/OBLIGATE
DCP.1259	99	R22885	522141103	\$7,284	DC24	COMPLETE/OBLIGATE
			Total	\$187,917		

Through		Estimated Cost	Award Fee	CPAE	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,322
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,751
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,535
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512
Mod. No. 106	0	0	0	\$242,780
Mod. No. 107	0	0	0	\$442,761
Mod. No. 108	0	0	0	\$362,407
Mod. No. 109	0	0	0	\$167,861
Mod. No. 110	0	0	0	\$267,166
Mod. No. 111	0	0	0	\$294,021

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313
Mod. No. 115	0	0	0 \$	389,519
Mod. No. 116	0	0	0 \$	-
Mod. No. 117	0	0	0 \$	223,441
Mod. No. 118	0	0	0 \$	(60,583)
Mod. No. 119	0	0	0 \$	(71,323)
Mod. No. 120	0	0	0 \$	215,401
Mod. No. 121	0	0	0 \$	316,453
Mod. No. 122	0	0	0 \$	278,666
Mod. No. 123	0	0	0 \$	402,261
Mod. No. 124	0	0	0 \$	1,973,725
Mod. No. 125	0	0	0 \$	782,189
Mod. No. 126	0	0	0 \$	737,346
Mod. No. 127	0	0	0 \$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502 \$	207,337
Mod. No. 129	\$0	\$0	\$0 \$	469,922
Mod. No. 130	0	0	0 \$	412,597
Mod. No. 131	0	0	0 \$	500,533
Mod. No. 132	0	0	0 \$	554,738
Mod. No. 133	0	0	0 \$	-
Mod. No. 134	0	0	0 \$	448,880
Mod. No. 135	0	0	0 \$	402,973
Mod. No. 136	0	0	0 \$	627,708
Mod. No. 137	0	0	0 \$	426,837
Mod. No. 138	0	0	0 \$	230,713
Mod. No. 139	0	0	0 \$	574,850
Mod. No. 140	0	0	0 \$	76,172
Mod. No. 141	0	0	0 \$	243,783
Mod. No. 142	0	0	0 \$	371,455
Mod. No. 143	0	0	0 \$	512,131
Mod. No. 144	0	0	0 \$	356,170
Mod. No. 145	0	0	0 \$	605,967
Mod. No. 146	0	0	0 \$	742,406
Mod. No. 147	0	0	0	\$308,291
Mod. No. 148	0	0	0	\$76,055
Mod. No. 149	0	0	0	\$25,000
Mod. No. 150	0	0	0	\$0
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056 \$	47,147,182

Cost	Award Fee	Total	Task Order NO.
\$ 46,765	3235	\$ 50,000	DF19
\$ 21,512	1488	\$ 23,000	DA10
26188	\$1,812.00	\$ 28,000	DM49
3056	\$211.00	\$ 3,267	DM32
15307	\$1,059.00	\$ 16,366	DC26
\$ 56,118	3882	\$ 60,000	DC21
\$ 6,813	471	\$ 7,284	DC24
\$ 175,759	\$ 12,158	\$ 187,917	
\$ 44,105,765	\$ 2,853,500	\$ 46,959,265	
\$ 44,281,524	\$ 2,865,658	\$ 47,147,182	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 153		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

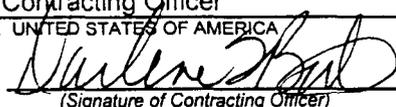
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to add incremental funding of \$20,000 (\$18,512 for cost and \$1,488 for fee), and deobligate funding of \$10,274 (\$10,054 from cost and \$220 from fee). The resultant total is an obligation of \$9,726 (\$8,458 for cost and \$1,268 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,289,982 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,866,926 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/27/99

FILE COPY

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RCF.1009	99	R24287	24282611000	\$20,000.00	DM55	OBLIGATE/COMPLETE
DCP.1260	99	R22885	52214110300	-\$10,274.00	DC22	DEOBLIGATE/COMPLETE

TOTAL \$9,726

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No. 1		0	0	0	\$1,700,026
Mod. No. 2		0	0	0	\$28,600
Mod. No. 3		0	0	0	\$112,000
Mod. No. 4		0	0	0	\$50,000
Mod. No. 5		0	0	0	-\$82,800
Mod. No. 6		0	0	0	\$50,000
Mod. No. 7		0	0	0	-\$18,594
Mod. No. 8		0	0	0	\$123,600
Mod. No. 9		0	0	0	\$66,345
Mod. No. 10		0	0	0	\$194,795
Mod. No. 11		0	0	0	\$82,000
Mod. No. 12		0	0	0	\$298,000
Mod. No. 13		0	0	0	\$832,608
Mod. No. 14		0	0	0	\$2,038,096
Mod. No. 15		0	0	0	\$1,147,292
Mod. No. 16		0	0	0	\$810,237
Mod. No. 17		0	0	0	\$1,346,484
Mod. No. 18		0	0	0	\$1,531,825
Mod. No. 19		0	0	0	\$334,753
Mod. No. 20		0	0	0	\$281,502
Mod. No. 21		0	0	0	\$86,747
Mod. No. 22		0	0	0	\$91,541
Mod. No. 23		0	0	0	\$49,802
Mod. No. 24		0	0	0	\$50,916
Mod. No. 25		0	0	0	\$5,948
Mod. No. 26		0	0	0	\$24,737
Mod. No. 27		13,845,044	957,148	14,802,192	\$0
Mod. No. 28		0	0	0	\$174,099
Mod. No. 29		0	0	0	\$0
Mod. No. 30		0	0	0	\$673
Mod. No. 31		0	0	0	\$0
Mod. No. 32		0	0	0	\$200,000
Mod. No. 33		0	0	0	\$224,219
Mod. No. 34		0	0	0	\$35,618
Mod. No. 35		0	0	0	\$126,106
Mod. No. 36		0	0	0	\$111,685
Mod. No. 37		0	0	0	\$60,122
Mod. No. 38		0	0	0	\$151,000
Mod. No. 39		0	0	0	\$74,822
Mod. No. 40		0	0	0	\$40,000
Mod. No. 41		0	0	0	\$85,000
Mod. No. 42		0	0	0	\$286,761
Mod. No. 43		0	0	0	\$189,511
Mod. No. 44		0	0	0	\$83,000
Mod. No. 45		0	0	0	\$164,560
Mod. No. 46		0	0	0	\$84,081
Mod. No. 47		0	0	0	\$75,000
Mod. No. 48		0	0	0	\$54,635
Mod. No. 49		0	0	0	\$243,065
Mod. No. 50		0	0	0	\$26,988
Mod. No. 51		0	0	0	\$96,162
Mod. No. 52		0	0	0	\$59,226

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	0	\$0
Mod. No. 54	0	0	0	0	\$321,700
Mod. No. 55	0	0	0	0	\$90,000
Mod. No. 56	0	0	0	0	\$82,268
Mod. No. 57	0	0	0	0	\$158,025
Mod. No. 58	0	0	0	0	\$337,539
Mod. No. 59	0	0	0	0	\$72,177
Mod. No. 60	0	0	0	0	\$137,790
Mod. No. 61	0	0	0	0	\$68,241
Mod. No. 62	0	0	0	0	\$163,252
Mod. No. 63	0	0	0	0	\$212,523
Mod. No. 64	0	0	0	0	\$5,000
Mod. No. 65	0	0	0	0	\$161,000
Mod. No. 66	0	0	0	0	-\$1,500
Mod. No. 67	0	0	0	0	\$25,012
Mod. No. 68	0	0	0	0	\$81,617
Mod. No. 70	0	0	0	0	\$42,500
Mod. No. 71	0	0	0	0	\$170,400
Mod. No. 72	0	0	0	0	\$137,450
Mod. No. 73	0	0	0	0	\$17,017
Mod. No. 74	0	0	0	0	-\$219,587
Mod. No. 75	0	0	0	0	\$53,105
Mod. No. 76	0	0	0	0	\$84,000
Mod. No. 77	0	0	0	0	\$26,000
Mod. No. 78	0	0	0	0	\$59,923
Mod. No. 79	0	0	0	0	\$111,200
Mod. No. 80	0	0	0	0	\$45,000
Mod. No. 81	0	0	0	0	\$228,268
Mod. No. 82	0	0	0	0	\$116,081
Mod. No. 83	0	0	0	0	\$54,756
Mod. No. 84	0	0	0	0	\$358,138
Mod. No. 85	0	0	0	0	\$626,792
Mod. No. 86	0	0	0	0	\$172,534
Mod. No. 87	0	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	0	\$261,615
Mod. No. 89	0	0	0	0	\$432,103
Mod. No. 90	0	0	0	0	\$654,540
Mod. No. 91	0	0	0	0	\$385,962
Mod. No. 92	0	0	0	0	\$223,773
Mod. No. 93	0	0	0	0	\$690,943
Mod. No. 94	0	0	0	0	\$393,792
Mod. No. 95	0	0	0	0	\$414,946
Mod. No. 96	0	0	0	0	\$211,276
Mod. No. 97	0	0	0	0	\$361,112
Mod. No. 98	0	0	0	0	\$205,292
Mod. No. 99	0	0	0	0	\$266,333
Mod. No. 100	0	0	0	0	\$119,291
Mod. No. 101	0	0	0	0	\$0
Mod. No. 102	0	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774	
Mod. No. 104	0	0	0	\$121,964	
Mod. No. 105	0	0	0	\$33,512	
Mod. No. 106	0	0	0	\$842,780	
Mod. No. 107	0	0	0	\$442,761	
Mod. No. 108	0	0	0	\$362,407	
Mod. No. 109	0	0	0	\$167,861	
Mod. No. 110	0	0	0	\$267,166	
Mod. No. 111	0	0	0	\$294,021	

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313
Mod. No. 115	0	0	0 \$	389,519
Mod. No. 116	0	0	0 \$	-
Mod. No. 117	0	0	0 \$	223,441
Mod. No. 118	0	0	0 \$	(60,583)
Mod. No. 119	0	0	0 \$	(71,323)
Mod. No. 120	0	0	0 \$	215,401
Mod. No. 121	0	0	0 \$	316,453
Mod. No. 122	0	0	0 \$	278,666
Mod. No. 123	0	0	0 \$	402,261
Mod. No. 124	0	0	0 \$	1,973,725
Mod. No. 125	0	0	0 \$	782,189
Mod. No. 126	0	0	0 \$	737,346
Mod. No. 127	0	0	0 \$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502 \$	207,337
Mod. No. 129	\$0	\$0	\$0 \$	469,922
Mod. No. 130	0	0	0 \$	412,597
Mod. No. 131	0	0	0 \$	500,533
Mod. No. 132	0	0	0 \$	554,738
Mod. No. 133	0	0	0 \$	-
Mod. No. 134	0	0	0 \$	448,880
Mod. No. 135	0	0	0 \$	402,973
Mod. No. 136	0	0	0 \$	627,708
Mod. No. 137	0	0	0 \$	426,837
Mod. No. 138	0	0	0 \$	230,713
Mod. No. 139	0	0	0 \$	574,850
Mod. No. 140	0	0	0 \$	76,172
Mod. No. 141	0	0	0 \$	243,783
Mod. No. 142	0	0	0 \$	371,455
Mod. No. 143	0	0	0 \$	512,131
Mod. No. 144	0	0	0 \$	356,170
Mod. No. 145	0	0	0 \$	605,967
Mod. No. 146	0	0	0 \$	742,406
Mod. No. 147	0	0	0	\$308,291
Mod. No. 148	0	0	0	\$76,055
Mod. No. 149	0	0	0	\$25,000
Mod. No. 150	0	0	0	\$0
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056 \$	47,156,908

Cost	Award fee	Total	Task Order NO.
\$ 18,512	1488	\$ 20,000	DM55
\$ (10,054)	-220	\$ (10,274)	DC22

\$ 8,458	\$ 1,268	\$ 9,726
\$ 44,281,524	\$ 2,865,658	\$ 47,147,182
\$ 44,289,982	\$ 2,866,926	\$ 47,156,908

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONT	FID CODE	PAGE OF PAGES	
		1		1	5

2. AMENDMENT/MODIFICATION NO 154	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See page 2	5. PROJECT NO (If applicable)
-----------------------------------------	----------------------------------------	----------------------------------------------------	-------------------------------

6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$194,565 (\$181,977 for cost and \$12,588 for fee. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses the total amount allotted by the Government to this contract is \$44,471,959 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,379,514 is obligated under this contract for payment of fee.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
	16C. DATE SIGNED 9/10/99

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
1.103	98	R21606	50564138200	\$3,168.00	FAA01	OBLIGATE/COMPLETE
1.103	98	R23338	50564138500	\$8,311.00	FAA01	OBLIGATE/COMPLETE
1.103	99	R22205	50564137400	\$32,825.00	FAA01	OBLIGATE/COMPLETE
RCD.1020	99	R22836	52211410100	\$25,000.00	DS17	OBLIGATE/COMPLETE
RCD.1020	99	R24281	24282761000	\$25,000.00	DS17	OBLIGATE/COMPLETE
RDA.1007	99	R22966	52235110100	\$60,000.00	DC26	OBLIGATE/COMPLETE
RDE.1005	99	R22885	52214110300	\$12,386.00	DC24	OBLIGATE/COMPLETE
RDE.1005	99	R23403	54841310100	\$9,875.00	DC24	OBLIGATE/COMPLETE
RDI.1004	99	R24431	52214215100	\$18,000.00	DI18	OBLIGATE/COMPLETE
			TOTAL	\$194,565		

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	*-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53		0	0	0	\$0
Mod. No. 54		0	0	0	\$321,700
Mod. No. 55		0	0	0	\$90,000
Mod. No. 56		0	0	0	\$82,268
Mod. No. 57		0	0	0	\$158,025
Mod. No. 58		0	0	0	\$337,539
Mod. No. 59		0	0	0	\$72,177
Mod. No. 60		0	0	0	\$137,790
Mod. No. 61		0	0	0	\$68,241
Mod. No. 62		0	0	0	\$163,252
Mod. No. 63		0	0	0	\$212,523
Mod. No. 64		0	0	0	\$5,000
Mod. No. 65		0	0	0	\$161,000
Mod. No. 66		0	0	0	-\$1,500
Mod. No. 67		0	0	0	\$25,012
Mod. No. 68		0	0	0	\$81,617
Mod. No. 70		0	0	0	\$42,500
Mod. No. 71		0	0	0	\$170,400
Mod. No. 72		0	0	0	\$137,450
Mod. No. 73		0	0	0	\$17,017
Mod. No. 74		0	0	0	-\$219,587
Mod. No. 75		0	0	0	\$53,105
Mod. No. 76		0	0	0	\$84,000
Mod. No. 77		0	0	0	\$26,000
Mod. No. 78		0	0	0	\$59,923
Mod. No. 79		0	0	0	\$111,200
Mod. No. 80		0	0	0	\$45,000
Mod. No. 81		0	0	0	\$228,268
Mod. No. 82		0	0	0	\$116,081
Mod. No. 83		0	0	0	\$54,756
Mod. No. 84		0	0	0	\$358,138
Mod. No. 85		0	0	0	\$626,792
Mod. No. 86		0	0	0	\$172,534
Mod. No. 87		0	0	0	\$1,489,768
Mod. No. 88		0	0	0	\$261,615
Mod. No. 89		0	0	0	\$432,103
Mod. No. 90		0	0	0	\$654,540
Mod. No. 91		0	0	0	\$385,962
Mod. No. 92		0	0	0	\$223,773
Mod. No. 93		0	0	0	\$690,943
Mod. No. 94		0	0	0	\$393,792
Mod. No. 95		0	0	0	\$414,946
Mod. No. 96		0	0	0	\$211,276
Mod. No. 97		0	0	0	\$361,112
Mod. No. 98		0	0	0	\$205,292
Mod. No. 99		0	0	0	\$266,333
Mod. No. 100		0	0	0	\$119,291
Mod. No. 101		0	0	0	\$0
Mod. No. 102		0	0	0	\$251,928
Mod. No. 103		9,828,545	679374	10,507,919	\$210,774
Mod. No. 104		0	0	0	\$121,964
Mod. No. 105		0	0	0	\$33,512
Mod. No. 106		0	0	0	\$842,780
Mod. No. 107		0	0	0	\$442,761
Mod. No. 108		0	0	0	\$362,407
Mod. No. 109		0	0	0	\$167,861
Mod. No. 110		0	0	0	\$267,166
Mod. No. 111		0	0	0	\$294,021

Through	Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 112	0	0	0	\$938,221
Mod. No. 113	0	0	0	\$1,393,672
Mod. No. 114	0	0	0	\$384,313
Mod. No. 115	0	0	0 \$	389,519
Mod. No. 116	0	0	0 \$	-
Mod. No. 117	0	0	0 \$	223,441
Mod. No. 118	0	0	0 \$	(60,583)
Mod. No. 119	0	0	0 \$	(71,323)
Mod. No. 120	0	0	0 \$	215,401
Mod. No. 121	0	0	0 \$	316,453
Mod. No. 122	0	0	0 \$	278,666
Mod. No. 123	0	0	0 \$	402,261
Mod. No. 124	0	0	0 \$	1,973,725
Mod. No. 125	0	0	0 \$	782,189
Mod. No. 126	0	0	0 \$	737,346
Mod. No. 127	0	0	0 \$	1,350,126
Mod. No. 128	\$6,857,453	\$474,049	\$7,331,502 \$	207,337
Mod. No. 129	\$0	\$0	\$0 \$	469,922
Mod. No. 130	0	0	0 \$	412,597
Mod. No. 131	0	0	0 \$	500,533
Mod. No. 132	0	0	0 \$	554,738
Mod. No. 133	0	0	0 \$	-
Mod. No. 134	0	0	0 \$	448,880
Mod. No. 135	0	0	0 \$	402,973
Mod. No. 136	0	0	0 \$	627,708
Mod. No. 137	0	0	0 \$	426,837
Mod. No. 138	0	0	0 \$	230,713
Mod. No. 139	0	0	0 \$	574,850
Mod. No. 140	0	0	0 \$	76,172
Mod. No. 141	0	0	0 \$	243,783
Mod. No. 142	0	0	0 \$	371,455
Mod. No. 143	0	0	0 \$	512,131
Mod. No. 144	0	0	0 \$	356,170
Mod. No. 145	0	0	0 \$	605,967
Mod. No. 146	0	0	0 \$	742,406
Mod. No. 147	0	0	0	\$308,291
Mod. No. 148	0	0	0	\$76,055
Mod. No. 149	0	0	0	\$25,000
Mod. No. 150	0	0	0	\$0
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod. No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056 \$	47,351,473

Cost	Award Fee	Total	Task Order NO.
\$ 41,438	2866	\$ 44,304	FAA01
\$ 46,765	3235	\$ 50,000	DS17
56118	\$3,882.00	\$ 60,000	DC26
20821	\$1,440.00	\$ 22,261	DC24
16835	\$1,165.00	\$ 18,000	D118

This Mod	\$ 181,977	\$ 12,588	\$ 194,565
Previous	\$ 44,289,982	\$ 2,866,926	\$ 47,156,908
New	\$ 44,471,959	\$ 2,879,514	\$ 47,351,473

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2 AMENDMENT/MODIFICATION NO 155	3 EFFECTIVE DATE See Block 16C	4 REQUISITION/PURCHASE REQ. NO See page 2	5 PROJECT NO (If applicable)
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6 ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7 ADMINISTERED BY (If other than item 6)
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8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

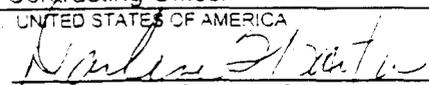
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purposes of this modification are to increase the incremental funding by \$92,940 (\$86,926 for cost and \$6,014 for fee) and to deobligate funding on Task DA09 by \$53,000 from cost. The resultant total is an increase in the incremental funding by \$39,940 (\$33,926 for cost and \$6,014 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,505,385; the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,385,528 is obligated under this contract for payment of fee.
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Darlene T. Baxter Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/17/99

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task.No.</u>	<u>Status</u>
DCO.1176	99	R20708	505-64-12-58	\$25,000.00	DC21	OBLIGATE/COMPLETE
DCO.1218	99	R20708	505-64-12-58	\$17,456.08	DC23	OBLIGATE/COMPLETE
DCO.1218	98	R20708	505-64-12-58	\$2,543.92	DC23	OBLIGATE/COMPLETE
DCO.1223	99	R2078	505-64-12-58	\$20,000.00	DC27	OBLIGATE/COMPLETE
DAE.1267	99	R23916	52225410300	-\$30,000.00	DA09	DEOBLIGATE/COMPLETE
DAE.1267	99	H15336	53707500300	-\$23,000.00	DA09	OBLIGATE/COMPLETE
DCK.1140	99	R22991	522-35-11-03	\$27,940.00	DAC19	OBLIGATE/COMPLETE
			TOTAL	\$39,940		

Through		Estimated Cost	Award Fee	CPAF	Funding
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 53		0	0	0	\$0
Mod. No. 54		0	0	0	\$321,700
Mod. No. 55		0	0	0	\$90,000
Mod. No. 56		0	0	0	\$82,268
Mod. No. 57		0	0	0	\$158,025
Mod. No. 58		0	0	0	\$337,539
Mod. No. 59		0	0	0	\$72,177
Mod. No. 60		0	0	0	\$137,790
Mod. No. 61		0	0	0	\$68,241
Mod. No. 62		0	0	0	\$163,252
Mod. No. 63		0	0	0	\$212,523
Mod. No. 64		0	0	0	\$5,000
Mod. No. 65		0	0	0	\$161,000
Mod. No. 66		0	0	0	-\$1,500
Mod. No. 67		0	0	0	\$25,012
Mod. No. 68		0	0	0	\$81,617
Mod. No. 70		0	0	0	\$42,500
Mod. No. 71		0	0	0	\$170,400
Mod. No. 72		0	0	0	\$137,450
Mod. No. 73		0	0	0	\$17,017
Mod. No. 74		0	0	0	-\$219,587
Mod. No. 75		0	0	0	\$53,105
Mod. No. 76		0	0	0	\$84,000
Mod. No. 77		0	0	0	\$26,000
Mod. No. 78		0	0	0	\$59,923
Mod. No. 79		0	0	0	\$111,200
Mod. No. 80		0	0	0	\$45,000
Mod. No. 81		0	0	0	\$228,268
Mod. No. 82		0	0	0	\$116,081
Mod. No. 83		0	0	0	\$54,756
Mod. No. 84		0	0	0	\$358,138
Mod. No. 85		0	0	0	\$626,792
Mod. No. 86		0	0	0	\$172,534
Mod. No. 87		0	0	0	\$1,489,768
Mod. No. 88		0	0	0	\$261,615
Mod. No. 89		0	0	0	\$432,103
Mod. No. 90		0	0	0	\$654,540
Mod. No. 91		0	0	0	\$385,962
Mod. No. 92		0	0	0	\$223,773
Mod. No. 93		0	0	0	\$690,943
Mod. No. 94		0	0	0	\$393,792
Mod. No. 95		0	0	0	\$414,946
Mod. No. 96		0	0	0	\$211,276
Mod. No. 97		0	0	0	\$361,112
Mod. No. 98		0	0	0	\$205,292
Mod. No. 99		0	0	0	\$266,333
Mod. No. 100		0	0	0	\$119,291
Mod. No. 101		0	0	0	\$0
Mod. No. 102		0	0	0	\$251,928
Mod. No. 103		9,828,545	679374	10,507,919	\$210,774
Mod. No. 104		0	0	0	\$121,964
Mod. No. 105		0	0	0	\$33,512
Mod. No. 106		0	0	0	\$342,780
Mod. No. 107		0	0	0	\$442,761
Mod. No. 108		0	0	0	\$362,407
Mod. No. 109		0	0	0	\$167,861
Mod. No. 110		0	0	0	\$257,166
Mod. No. 111		0	0	0	\$294,021

Through		Estimated Cost	Award Fee	CPAF	Funding
Mod. No. 112		0	0	0	\$938,221
Mod. No. 113		0	0	0	\$1,393,672
Mod. No. 114		0	0	0	\$384,313
Mod. No. 115		0	0	0 \$	389,519
Mod. No. 116		0	0	0 \$	-
Mod. No. 117		0	0	0 \$	223,441
Mod. No. 118		0	0	0 \$	(60,583)
Mod. No. 119		0	0	0 \$	(71,323)
Mod. No. 120		0	0	0 \$	215,401
Mod. No. 121		0	0	0 \$	316,453
Mod. No. 122		0	0	0 \$	278,666
Mod. No. 123		0	0	0 \$	402,261
Mod. No. 124		0	0	0 \$	1,973,725
Mod. No. 125		0	0	0 \$	782,189
Mod. No. 126		0	0	0 \$	737,346
Mod. No. 127		0	0	0 \$	1,350,126
Mod. No. 128		\$6,857,453	\$474,049	\$7,331,502 \$	207,337
Mod. No. 129		\$0	\$0	\$0 \$	469,922
Mod. No. 130		0	0	0 \$	412,597
Mod. No. 131		0	0	0 \$	500,533
Mod. No. 132		0	0	0 \$	554,738
Mod. No. 133		0	0	0 \$	-
Mod. No. 134		0	0	0 \$	448,880
Mod. No. 135		0	0	0 \$	402,973
Mod. No. 136		0	0	0 \$	627,708
Mod. No. 137		0	0	0 \$	426,837
Mod. No. 138		0	0	0 \$	230,713
Mod. No. 139		0	0	0 \$	574,850
Mod. No. 140		0	0	0 \$	76,172
Mod. No. 141		0	0	0 \$	243,783
Mod. No. 142		0	0	0 \$	371,455
Mod. No. 143		0	0	0 \$	512,131
Mod. No. 144		0	0	0 \$	356,170
Mod. No. 145		0	0	0 \$	605,967
Mod. No. 146		0	0	0 \$	742,406
Mod. No. 147		0	0	0	\$308,291
Mod. No. 148		0	0	0	\$76,055
Mod. No. 149		0	0	0	\$25,000
Mod. No. 150		0	0	0	\$0
Mod. No. 151		0	0	0	\$51,599
Mod. No. 152		0	0	0	\$187,917
Mod. No. 153		0	0	0	\$9,726
Mod. No. 154		0	0	0	\$194,565
Mod. No. 155		0	0	0	\$39,940
Totals		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056 \$	47,391,413

Cost	Award Fee	Total	Task Order No.
\$ 23,382	1618	\$ 25,000	DC21
\$ 18,706	1294	\$ 20,000	DC23
18706	\$1,294.00	\$ 20,000	DC27
-53000	\$0.00	\$(53,000)	DA09
26132	\$1,808.00	\$ 27,940	DC19

This Mod	\$ 33,926	\$ 6,014	\$ 39,940
Previous	\$ 44,471,959	\$ 2,879,514	\$ 47,351,473
New	\$ 44,505,885	\$ 2,885,528	\$ 47,391,413

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO 156	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014	
			10B. DATED (SEE ITEM 13) 7/1/96	
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

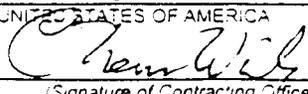
The purpose of this modification is to increase the incremental funding by \$10,670 (\$9,979 for cost and \$691 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,515,864 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,886,219 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 9/23/99

FILE

NAS1-96014
 MODIFICATION NO. 156
 PAGE 2 OF 5

<u>Through</u>		<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Award	Basic	\$ 17,765,083	\$1,228,360	\$ 18,993,443	\$2,492,787
Mod. No.	1	0	0	0	\$1,700,026
Mod. No.	2	0	0	0	\$28,600
Mod. No.	3	0	0	0	\$112,000
Mod. No.	4	0	0	0	\$50,000
Mod. No.	5	0	0	0	-\$82,800
Mod. No.	6	0	0	0	\$50,000
Mod. No.	7	0	0	0	-\$18,594
Mod. No.	8	0	0	0	\$123,600
Mod. No.	9	0	0	0	\$66,345
Mod. No.	10	0	0	0	\$194,795
Mod. No.	11	0	0	0	\$82,000
Mod. No.	12	0	0	0	\$298,000
Mod. No.	13	0	0	0	\$832,608
Mod. No.	14	0	0	0	\$2,038,096
Mod. No.	15	0	0	0	\$1,147,292
Mod. No.	16	0	0	0	\$810,237
Mod. No.	17	0	0	0	\$1,346,484
Mod. No.	18	0	0	0	\$1,531,825
Mod. No.	19	0	0	0	\$334,753
Mod. No.	20	0	0	0	\$281,502
Mod. No.	21	0	0	0	\$86,747
Mod. No.	22	0	0	0	\$91,541
Mod. No.	23	0	0	0	\$49,802
Mod. No.	24	0	0	0	\$50,916
Mod. No.	25	0	0	0	\$5,948
Mod. No.	26	0	0	0	\$24,737
Mod. No.	27	13,845,044	957148	14,802,192	\$0
Mod. No.	28	0	0	0	\$174,099
Mod. No.	29	0	0	0	\$0
Mod. No.	30	0	0	0	\$673
Mod. No.	31	0	0	0	\$0
Mod. No.	32	0	0	0	\$200,000
Mod. No.	33	0	0	0	\$224,219
Mod. No.	34	0	0	0	\$35,618
Mod. No.	35	0	0	0	\$126,106
Mod. No.	36	0	0	0	\$111,685
Mod. No.	37	0	0	0	\$60,122
Mod. No.	38	0	0	0	\$151,000
Mod. No.	39	0	0	0	\$74,822
Mod. No.	40	0	0	0	\$40,000
Mod. No.	41	0	0	0	\$85,000
Mod. No.	42	0	0	0	\$286,761
Mod. No.	43	0	0	0	\$189,511
Mod. No.	44	0	0	0	\$83,000
Mod. No.	45	0	0	0	\$164,560
Mod. No.	46	0	0	0	\$84,081
Mod. No.	47	0	0	0	\$75,000
Mod. No.	48	0	0	0	\$54,635
Mod. No.	49	0	0	0	\$243,065
Mod. No.	50	0	0	0	\$26,988
Mod. No.	51	0	0	0	\$96,162
Mod. No.	52	0	0	0	\$59,226

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 MODIFICATION NO. 156
 PAGE 3 OF 5

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No. 53	0	0	0	\$0
Mod. No. 54	0	0	0	\$321,700
Mod. No. 55	0	0	0	\$90,000
Mod. No. 56	0	0	0	\$82,268
Mod. No. 57	0	0	0	\$158,025
Mod. No. 58	0	0	0	\$337,539
Mod. No. 59	0	0	0	\$72,177
Mod. No. 60	0	0	0	\$137,790
Mod. No. 61	0	0	0	\$68,241
Mod. No. 62	0	0	0	\$163,252
Mod. No. 63	0	0	0	\$212,523
Mod. No. 64	0	0	0	\$5,000
Mod. No. 65	0	0	0	\$161,000
Mod. No. 66	0	0	0	-\$1,500
Mod. No. 67	0	0	0	\$25,012
Mod. No. 68	0	0	0	\$81,617
Mod. No. 70	0	0	0	\$42,500
Mod. No. 71	0	0	0	\$170,400
Mod. No. 72	0	0	0	\$137,450
Mod. No. 73	0	0	0	\$17,017
Mod. No. 74	0	0	0	-\$219,587
Mod. No. 75	0	0	0	\$53,105
Mod. No. 76	0	0	0	\$84,000
Mod. No. 77	0	0	0	\$26,000
Mod. No. 78	0	0	0	\$59,923
Mod. No. 79	0	0	0	\$111,200
Mod. No. 80	0	0	0	\$45,000
Mod. No. 81	0	0	0	\$228,268
Mod. No. 82	0	0	0	\$116,081
Mod. No. 83	0	0	0	\$54,756
Mod. No. 84	0	0	0	\$358,138
Mod. No. 85	0	0	0	\$626,792
Mod. No. 86	0	0	0	\$172,534
Mod. No. 87	0	0	0	\$1,489,768
Mod. No. 88	0	0	0	\$261,615
Mod. No. 89	0	0	0	\$432,103
Mod. No. 90	0	0	0	\$654,540
Mod. No. 91	0	0	0	\$385,962
Mod. No. 92	0	0	0	\$223,773
Mod. No. 93	0	0	0	\$690,943
Mod. No. 94	0	0	0	\$393,792
Mod. No. 95	0	0	0	\$414,946
Mod. No. 96	0	0	0	\$211,276
Mod. No. 97	0	0	0	\$361,112
Mod. No. 98	0	0	0	\$205,292
Mod. No. 99	0	0	0	\$266,333
Mod. No. 100	0	0	0	\$119,291
Mod. No. 101	0	0	0	\$0
Mod. No. 102	0	0	0	\$251,928
Mod. No. 103	9,828,545	679374	10,507,919	\$210,774
Mod. No. 104	0	0	0	\$121,964
Mod. No. 105	0	0	0	\$33,512

Mod. No.	106	0	0	0	\$842,780
Mod. No.	107	0	0	0	\$442,761
Mod. No.	108	0	0	0	\$362,407
Mod. No.	109	0	0	0	\$167,861
Mod. No.	110	0	0	0	\$267,166
Mod. No.	111	0	0	0	\$294,021

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MODIFICATION NO. 156
PAGE 4 OF 5

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Mod. No.	112	0	0	\$938,221
Mod. No.	113	0	0	\$1,393,672
Mod. No.	114	0	0	\$384,313
Mod. No.	115	0	0	\$389,519
Mod. No.	116	0	0	\$0
Mod. No.	117	0	0	\$223,441
Mod. No.	118	0	0	-\$60,583
Mod. No.	119	0	0	-\$71,323
Mod. No.	120	0	0	\$215,401
Mod. No.	121	0	0	\$316,453
Mod. No.	122	0	0	\$278,666
Mod. No.	123	0	0	\$402,261
Mod. No.	124	0	0	\$1,973,725
Mod. No.	125	0	0	\$782,189
Mod. No.	126	0	0	\$737,346
Mod. No.	127	0	0	\$1,350,126
Mod. No.	128	\$6,857,453	\$474,049	\$7,331,502
Mod. No.	129	\$0	\$0	\$0
Mod. No.	130	0	0	\$469,922
Mod. No.	131	0	0	\$412,597
Mod. No.	132	0	0	\$500,533
Mod. No.	133	0	0	\$554,738
Mod. No.	134	0	0	\$0
Mod. No.	135	0	0	\$448,880
Mod. No.	136	0	0	\$402,973
Mod. No.	137	0	0	\$627,708
Mod. No.	138	0	0	\$426,837
Mod. No.	139	0	0	\$230,713
Mod. No.	140	0	0	\$574,850
Mod. No.	141	0	0	\$76,172
Mod. No.	142	0	0	\$243,783
Mod. No.	143	0	0	\$371,455
Mod. No.	144	0	0	\$512,131
Mod. No.	145	0	0	\$356,170
Mod. No.	146	0	0	\$605,967
Mod. No.	147	0	0	\$742,406
Mod. No.	148	0	0	\$308,291
Mod. No.	149	0	0	\$76,055
Mod. No.	150	0	0	\$25,000
Mod. No.	151	0	0	\$0
Mod. No.	152	0	0	\$51,599
Mod. No.	153	0	0	\$187,917
Mod. No.	154	0	0	\$9,726
Mod. No.	155	0	0	\$194,565
Mod. No.	156	0	0	\$39,940
Mod. No.	157	0	0	\$10,670
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$47,402,083

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>
\$ 9,979	691	\$ 10,670

Task Order No.
RB01

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBE.1009	99	R24746	39895005000	\$10,670.00	RB01	OBLIGATE/COMPLETE

TOTAL \$10,670

This Mod	\$	9,979	\$	691	\$	10,670
Previous	\$	44,505,885	\$	2,885,528	\$	47,391,413
New	\$	44,515,864	\$	2,886,219	\$	47,402,083

NAS1-96014
MODIFICATION NO. 156
PAGE 5 OF 5

1. CONT TID CODE PAGE OF PAGES
 2. AMENDMENT/MODIFICATION NO 157 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. See Page 2 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-0001 7. ADMINISTERED BY (If other than item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company
 Attn: H. Pat Haney/Mail Stop 371
 NASA Langley Research Center
 Hampton, VA 23681-0001 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. X NAS1-96014 10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this modification is to increase the incremental funding by \$236,250 (\$220,964 for cost and \$15,286 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,736,828 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,901,505 is obligated under this contract for payment of fee". Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 C. Tom Weih
 Contracting Officer

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
 BY *C. Tom Weih* 9/30/99
 (Signature of person authorized to sign) (Signature of Contracting Officer)

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod. No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod. No. 156	0	0	0	\$10,670
Mod. No. 157	0	0	0	\$236,250
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$47,638,333

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
\$ 65,471	4529	\$ 70,000	DS09
\$ 49,571	\$ 3,429	53,000	DA14
\$ 70,147	\$ 4,853	\$ 75,000	RF01
\$ 13,094	\$ 906	\$ 14,000	DA26
\$ 9,587	\$ 663	\$ 10,250	RD01
\$ 13,094	\$ 906	\$ 14,000	DI18
\$ 220,964	\$ 15,286	\$ 236,250	

This Mod	\$ 220,964	\$ 15,286	\$ 236,250
Previous	\$ 44,515,864	\$ 2,886,219	\$ 47,402,083
New	\$ 44,736,828	\$ 2,901,505	\$ 47,638,333

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RCD.1030	99	R21889	529-10-11-01	\$70,000.00	DS09	OBLIGATE/COMPLETE
RBJ.1023	99	R23915	522-25-41-03	\$30,000.00	DA14	OBLIGATE/COMPLETE
RBJ.1023	99	R23916	522-25-41-03	\$20,806.00	DA14	OBLIGATE/COMPLETE
RBJ.1023	99	R9984	505-59-87-08	\$2,194.00	DA14	OBLIGATE/COMPLETE
RFQ.1005	99	C295302	295-32-01-00	\$48,328.00	RF01	OBLIGATE/COMPLETE
RFQ.1005	99	M3124	992-10-01-11	\$26,672.00	RF01	OBLIGATE/COMPLETE
RBA.1004	99	R23062	522-11-71-02	\$14,000.00	DA26	OBLIGATE/COMPLETE
RDE.1006	99	R22885	522-14-11-03	\$10,250.00	RD01	OBLIGATE/COMPLETE
RD.1008	99	R24431	522-14-21-51	\$14,000.00	DI18	OBLIGATE/COMPLETE
TOTAL				\$236,250		

AMENDMENT OF SOLICITATION		MODIFICATION OF CONTRACT		1 CONTRACT ID CODE	PAGE OF PAGES 1 2	
2 AMENDMENT/MODIFICATION NO 158		3 EFFECTIVE DATE See Block 16C	4 REQUISITION/PURCHASE REQ NO See Page 2		5 PROJECT NO (If applicable)	
6 ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		CODE	7 ADMINISTERED BY (If other than Item 6)		CODE	
8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			(x)	9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
			X	10A. MODIFICATION OF CONTRACT/ORDER NO NAS1-96014		
				10B. DATED (SEE ITEM 13) 7/1/96		
CODE	FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to deobligate \$5,866 (\$5,866 for cost and \$0 for fee) of incremental funding from Task Order DC22. Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$44,730,962 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,901,505 is obligated under this contract for payment of fee".
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) H. P. HANEY PROGRAM MANAGER		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR H. P. Haney (Signature of person authorized to sign)	15C. DATE SIGNED 10/13/99	16B. UNITED STATES OF AMERICA BY C. Tom Weih (Signature of Contracting Officer)	16C. DATE SIGNED 10/13/99

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod No. 156	0	0	0	\$10,670
Mod No. 157	0	0	0	\$236,250
Mod No. 158	0	0	0	-\$5,866
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$47,632,467

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
\$ (5,866)	0	\$ (5,866)	DC22

This Mod	\$ (5,866)	\$ -	\$ (5,866)
Previous	\$ 44,736,828	\$ 2,901,505	\$ 47,638,333
New	\$ 44,730,962	\$ 2,901,505	\$ 47,632,467

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCP.1260	99	R22885	522-14-11-03	-\$5,866.00	DC22	DEOBLIGATE/COMPLETE

TOTAL -\$5,866

2. AMENDMENT/MODIFICATION NO 159	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO See Page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than item 5)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$250,251 (\$243,413 for cost and \$16,838 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$44,974,375 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,918,343 is obligated under this contract for payment of fee”.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
Signature of person authorized to sign	By <u>C. Tom Weih</u> Signature of Contracting Officer; 10/14/99

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod No. 156	0	0	0	\$10,670
Mod No. 157	0	0	0	\$236,250
Mod No. 158	0	0	0	-\$5,866
Mod No. 159	0	0	0	\$260,251
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 47,892,718

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
\$ 74,824	5176	\$ 80,000	DI13
\$ 5,486	380	5,866	DC24
\$ 7,482	518	\$ 8,000	DC20
\$ 52,657	3643	\$ 56,300	DA20
\$ 28,059	1941	\$ 30,000	DS17
\$ 5,612	388	\$ 6,000	DI18
\$ 69,292	4793	\$ 74,085	DA18
\$ 243,413	\$ 16,838	\$ 260,251	

This Mod	\$ 243,413	\$ 16,838	\$ 260,251
Previous	\$ 44,730,962	\$ 2,901,505	\$ 47,632,467
New	\$ 44,974,375	\$ 2,918,343	\$ 47,892,718

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RD.1010	99	R23900	522-19-11-10	\$80,000.00	DI13	OBLIGATE/COMPLETE
RDE.1005	99	R22885	522-14-11-03	\$5,866.00	DC24	OBLIGATE/COMPLETE
DCO.1224	99	R23818	576-02-11-16	\$8,000.00	DC20	OBLIGATE/COMPLETE
RBI.1018	99	R24409	242-72-45-13	\$56,300.00	DA20	OBLIGATE/COMPLETE
RCD.1029	99	R23830	538-13-12-04	\$30,000.00	DS17	OBLIGATE/COMPLETE
RD.1012	99	R24431	522-14-21-51	\$6,000.00	DI18	OBLIGATE/COMPLETE
RBA.1013	99	R9981	505-59-87-07	\$30,085.00	DA18	OBLIGATE/COMPLETE
RBA.1013	99	R9984	505-59-87-08	\$14,000.00	DA18	OBLIGATE/COMPLETE
RBA.1013	99	R9985	505-59-87-09	\$30,000.00	DA18	OBLIGATE/COMPLETE

TOTAL \$260,251

2. AMENDMENT/MODIFICATION NO 160	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO See Page 2	5. PROJECT NO (If applicable)
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6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6) CODE
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3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

CODE	FACILITY CODE	
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

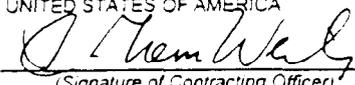
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$772,579 (\$719,831 for cost and \$52,748 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

“(a) For purposes of payment of cost, exclusive of fee, in accordance with the “Limitation of Funds” clauses, the total amount allotted by the Government to this contract is \$45,694,206 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,971,091 is obligated under this contract for payment of fee”.
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) (Signature of person authorized to sign)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 10-22-97
	BY  (Signature of Contracting Officer)

FILE COPY

Through	Estimated Cost	Award Fee	CPAF	Funding
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod No. 156	0	0	0	\$10,670
Mod No. 157	0	0	0	\$236,250
Mod No. 158	0	0	0	-\$5,866
Mod No. 159	0	0	0	\$260,251
Mod No. 160	0	0	0	\$772,579
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 48,665,297

Cost	Award Fee	Total	Task Order No.
\$ 55,695	3853	\$ 59,548	DM32
\$ 17,771	1229	19,000	DM58
\$ 37,412	2588	\$ 40,000	DG01
\$ 34,372	2378	\$ 36,750	RD01
\$ 11,240	777	\$ 12,017	DC27
\$ 46,765	3235	\$ 50,000	DC23
\$ 159,001	10999	\$ 170,000	DI18
\$ 70,148	4853	\$ 75,000	DC24
\$ 142,166	9834	\$ 152,000	DI01
\$ 60,528	4798	\$ 65,326	DI11
\$ 84,734	8204	\$ 92,938	DI09
\$ 719,831	\$ 52,748	\$ 772,579	

This Mod	\$ 719,831	\$ 52,748	\$ 772,579
Previous	\$ 44,974,375	\$ 2,918,343	\$ 47,892,718
New	\$ 45,694,206	\$ 2,971,091	\$ 48,665,297

ACCOUNTING AND APPROPRIATION DATA

PR NO.	PY	JQ	RTR	Amount	Task No.	Status
RCF.1015	99	R22229	323-78-01-04	\$548.00	DM32	OBLIGATE/COMPLETE
RCF.1016	00	R22229	323-78-01-04	\$59,000.00	DM32	OBLIGATE/COMPLETE
RFH.1012	99	R24241	274-00-99-16	\$19,000.00	DM58	OBLIGATE/COMPLETE
RBJ.1024	00	R24734	522-51-31-95	\$40,000.00	DG01	OBLIGATE/COMPLETE
RDE.1006	00	R24827	522-11-31-01	\$16,750.00	RD01	OBLIGATE/COMPLETE
RDE.1010	00	R24859	548-41-32-01	\$20,000.00	RDO1	OBLIGATE/COMPLETE
DCO.1223	00	R23818	576-02-11-16	\$12,017.00	DC27	OBLIGATE/COMPLETE
DCO.1218	00	R23815	576-02-11-11	\$50,000.00	DC23	OBLIGATE/COMPLETE
RD.1018	00	R24829	522-11-21-03	\$170,000.00	DI18	OBLIGATE/COMPLETE
RDE.1011	00	R24827	522-11-31-01	\$75,000.00	DC24	OBLIGATE/COMPLETE
RD.1015	00	R24512	577-30-10-03	\$152,000.00	DI01	OBLIGATE/COMPLETE
RD.1016	00	R24512	577-30-10-03	\$92,938.00	DI09	OBLIGATE/COMPLETE
RD.1017	00	R24512	577-30-10-03	\$65,326.00	DI11	OBLIGATE/COMPLETE

TOTAL \$772,579

1. CON	TID CODE	PAGE OF PAGES	
		1	2
2. AMENDMENT/MODIFICATION NO	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO	5. PROJECT NO (If applicable)
161	See Block 16C	See Page 2	

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

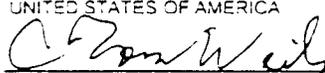
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$30,000 (\$28,059 for cost and \$1,941 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$45,722,265 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,973,032 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	C. Tom Weih Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
BY 	10-25-99
(Signature of Contracting Officer)	

FILE CO

<u>Through</u>	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod No. 156	0	0	0	\$10,670
Mod No. 157	0	0	0	\$236,250
Mod No. 158	0	0	0	-\$5,866
Mod No. 159	0	0	0	\$260,251
Mod No. 160	0	0	0	\$772,579
Mod No. 161	0	0	0	\$30,000
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 48,695,297

<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
\$ 28,059	1941	\$ 30,000	DA21

This Mod	\$ 28,059	\$ 1,941	\$ 30,000
Previous	\$ 45,694,206	\$ 2,971,091	\$ 48,665,297
New	\$ 45,722,265	\$ 2,973,032	\$ 48,695,297

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBB.1006	99	R24524	522-25-31-60	\$30,000.00	DA21	OBLIGATE/COMPLETE
TOTAL				\$30,000		

2. AMENDMENT/MODIFICATION NO 162	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014 10B. DATED (SEE ITEM 13) 7/1/96
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

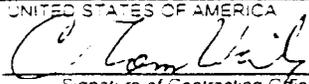
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$185,900 (\$173,868 for cost and \$12,032 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$45,896,133 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$2,985,064 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	C. Tom Weih Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

FILE COPY

Through	Estimated Cost	Award Fee	CPAE	Funding
Basic - Mod No. 150	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 46,907,666
Mod. No. 151	0	0	0	\$51,599
Mod. No. 152	0	0	0	\$187,917
Mod No. 153	0	0	0	\$9,726
Mod. No. 154	0	0	0	\$194,565
Mod. No. 155	0	0	0	\$39,940
Mod No. 156	0	0	0	\$10,670
Mod No. 157	0	0	0	\$236,250
Mod No. 158	0	0	0	-\$5,866
Mod No. 159	0	0	0	\$260,251
Mod No. 160	0	0	0	\$772,579
Mod No. 161	0	0	0	\$30,000
Mod No. 162	0	0	0	\$185,900
Totals	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 48,881,197

Cost	Award Fee	Total	Task Order No.
\$ 173,868	12032	\$ 185,900	RC02

This Mod	\$ 173,868	\$ 12,032	\$ 185,900
Previous	\$ 45,722,265	\$ 2,973,032	\$ 48,695,297
New	\$ 45,896,133	\$ 2,985,064	\$ 48,881,197

ACCOUNTING AND APPROPRIATION DATA

PR.NO.	PY	JQ	RTR	Amount	Task No.	Status
RCG.1016	0	R24468	577-50-10-01	\$185,900.00	RC02	OBLIGATE/COMPLETE
TOTAL				\$185,900		

2. AMENDMENT/MODIFICATION NO. 163
 3. EFFECTIVE DATE See Block 16C
 4. REQUISITION/PURCHASE REQ. NO. See Page 2
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration
 Langley Research Center
 Hampton, VA 23681-0001
 7. ADMINISTERED BY (If other than Item 6) CODE

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
 Lockheed Martin Engineering & Sciences Company
 Attn: H. Pat Haney/Mail Stop 371
 NASA Langley Research Center
 Hampton, VA 23681-0001
 9A. AMENDMENT OF SOLICITATION NO.
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO.
 X NAS1-96014
 10B. DATED (SEE ITEM 13)
 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to increase the incremental funding by \$488,814 (\$456,669 for cost and \$32,145 for fee). Accordingly, the following changes are made to the Contract Schedule:

- A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$46,352,802 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,017,209 is obligated under this contract for payment of fee".
 Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 C. Tom Weih
 Contracting Officer
 15B. CONTRACTOR/OFFEROR
 15C. DATE SIGNED
 16B. UNITED STATES OF AMERICA
 BY *C. Tom Weih*
 (Signature of Contracting Officer)
 16C. DATE SIGNED
 11-5-99

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	49,370,011

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 9,353	647	\$ 10,000	DC12
	\$ 17,207	1190	\$ 18,397	DC20
	\$ 74,824	5176	\$ 80,000	DF22
	\$ 51,442	3559	\$ 55,000	DF26
	\$ 93,530	6470	\$ 100,000	DM51
	\$ 66,585	5158	\$ 71,743	DM52
	\$ 42,089	2912	\$ 45,000	DM54
	\$ 16,835	1165	\$ 18,000	DM55
	\$ 84,805	5869	90,674	DM56
	\$ 456,669	\$ 32,145	\$ 488,814	
This Mod	\$ 456,669	\$ 32,145	\$ 488,814	
Previous	\$ 45,896,133	\$ 2,985,064	\$ 48,881,197	
New	\$ 46,352,802	\$ 3,017,209	\$ 49,370,011	

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
OG.1006	00	R23755	522-19-11-02	\$10,000.00	DC12	OBLIGATE/COMPLETE
DCO.1224	00	R25047	576-02-11-16	\$18,397.00	DC20	OBLIGATE/COMPLETE
RBE.1018	00	R25055	576-03-14-10	\$80,000.00	DF22	OBLIGATE/COMPLETE
RBF.1022	00	R24727	522-81-14-97	\$55,000.00	DF26	OBLIGATE/COMPLETE
RCF.1020	00	R24625	522-12-21-01	\$100,000.00	DM51	OBLIGATE/COMPLETE
RCF.1022	00	R24628	522-12-31-01	\$71,743.00	DM52	OBLIGATE/COMPLETE
RCF.1019	00	R24509	577-30-10-02	\$45,000.00	DM54	OBLIGATE/COMPLETE
RCF.1018	00	R24509	577-30-10-02	\$2,000.00	DM55	OBLIGATE/COMPLETE
RCF.1018	00	R24626	522-12-21-02	\$16,000.00	DM55	OBLIGATE/COMPLETE
RCD.1034	00	R24628	522-12-31-01	\$90,674.00	DM56	OBLIGATE/COMPLETE
			TOTAL	\$488,814		

2. AMENDMENT/MODIFICATION NO 164	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO. (If applicable)
-----------------------------------------	----------------------------------------	----------------------------------------------------	--------------------------------

6. ISSUED BY CODE	7. ADMINISTERED BY (If other than item 5) CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

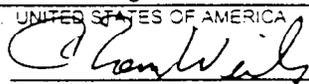
The purpose of this modification is to increase the incremental funding by \$158,906 (\$147,375 for cost and \$11,531 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$46,500,177 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,028,740 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
	C. Tom Weih Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 11-10-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

FILE COPY

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	49,528,917

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 32,341	2237	\$ 34,578	DC27
	\$ 9,189	654	\$ 9,843	DC32
	\$ 54,907	4558	\$ 59,465	DS13
	\$ 50,938	4082	\$ 55,020	DF26
	\$ 147,375	\$ 11,531	\$ 158,906	
This Mod	\$ 147,375	\$ 11,531	\$ 158,906	
Previous	\$ 46,352,802	\$ 3,017,209	\$ 49,370,011	
New	\$ 46,500,177	\$ 3,028,740	\$ 49,528,917	

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task.No.</u>	<u>Status</u>
DCO.1223	00	R25047	576-02-11-16	\$34,578.00	DC27	OBLIGATE/COMPLETE
RDE.1017	00	R24859	548-41-32-01	\$9,843.00	DC32	OBLIGATE/COMPLETE
RCC.1005	00	R24900	632-65-00-01	\$59,465.00	DS13	OBLIGATE/COMPLETE
RCC.1004	00	R24504	242-23-02-13	\$55,020.00	DS18	OBLIGATE/COMPLETE
TOTAL				\$158,906		

AMENDMENT OF SOLICITATION		MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ NO		1 2	
165		See Block 16C		See Page 2		5. PROJECT NO (If applicable)	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 5) CODE					

National Aeronautics and Space Administration
Langley Research Center
Hampton, VA 23681-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.
Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$781,078 (\$730,622 for cost and \$50,456 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$47,230,799 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,079,196 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY Original Signed by	NOV 19 1999
		(Signature of Contracting Officer)	

FILE COPY

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Mod No. 165		0		0		0		\$781,078
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	50,309,995

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 46,765	3235	\$ 50,000	DA24
	\$ 60,795	4206	\$ 65,000	DF19
	\$ 14,030	971	\$ 15,000	DF23
	\$ 40,838	2740	\$ 43,578	DF27
	\$ 91,192	6308	\$ 97,500	DI20
	\$ 477,003	32997	\$ 510,000	DS09
	\$ 730,622	\$ 50,456	\$ 781,078	
This Mod	\$ 730,622	\$ 50,456	\$ 781,078	
Previous	\$ 46,500,177	\$ 3,028,740	\$ 49,528,917	
New	\$ 47,230,799	\$ 3,079,196	\$ 50,309,995	

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBJ.1028	00	M3684	992-20-03-31	\$50,000.00	DA24	OBLIGATE/COMPLETE
RBE.1022	00	R24729	522-81-12-97	\$25,000.00	DF19	OBLIGATE/COMPLETE
RBE.1022	00	R24741	522-63-11-97	\$40,000.00	DF19	OBLIGATE/COMPLETE
RBF.1028	00	R24727	522-81-14-97	\$15,000.00	DF23	OBLIGATE/COMPLETE
RBD.1015	00	R24373	505-90-60-02	\$43,578.00	DF27	OBLIGATE/COMPLETE
RDF.1025	00	R24484	577-60-30-01	\$97,500.00	DI20	OBLIGATE/COMPLETE
RCD.1037	00	R24560	242-72-76-10	\$175,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24644	522-63-31-03	\$50,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24652	522-62-11-01	\$75,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24874	576-10-11-01	\$40,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24854	522-11-41-50	\$35,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24664	522-83-11-01	\$100,000.00	DS09	OBLIGATE/COMPLETE
RCD.1037	00	R24645	522-63-41-01	\$35,000.00	DS09	OBLIGATE/COMPLETE
			TOTAL	\$781,078		

AMENDMENT OF SOLICITATION		MODIFICATION OF CONTRACT		1. CONT.	T ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 166		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2		5. PROJECT NO. (If applicable)		
8. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		CODE	7. ADMINISTERED BY (If other than Item 5)		CODE		

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
			10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

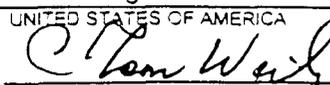
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$462,258 (\$427,632 for cost and \$34,626 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$47,658,431 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,113,822 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 11-24-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Mod No. 165		0		0		0		\$781,078
Mod No. 166		0		0		0		\$462,258
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	50,772,253

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$56,118	\$3,882	\$60,000	DA06
	\$56,118	\$3,882	\$60,000	DA09
	\$56,118	\$3,882	\$60,000	DA10
	\$56,118	\$3,882	\$60,000	DA14
	\$133,012	\$14,246	\$147,258	DA21
	\$70,148	\$4,852	\$75,000	DA26
	\$ 427,632	\$ 34,626	\$ 462,258	
This Mod	\$ 427,632	\$ 34,626	\$ 462,258	
Previous	\$ 47,230,799	\$ 3,079,196	\$ 50,309,995	
New	\$ 47,658,431	\$ 3,113,822	\$ 50,772,253	

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBJ.1035	00	R24706	522-31-31-96	\$60,000.00	DA06	OBLIGATE/COMPLETE
RBJ.1032	00	R24710	522-31-11-92	\$60,000.00	DA09	OBLIGATE/COMPLETE
RBJ.1033	00	R24702	522-32-21-93	\$60,000.00	DA10	OBLIGATE/COMPLETE
RBJ.1034	00	R24702	522-32-21-93	\$60,000.00	DA14	OBLIGATE/COMPLETE
RBB.1007	00	R24535	714-05-20-01	\$60,000.00	DA21	OBLIGATE/COMPLETE
RBB.1007	00	R24756	522-31-31-03	\$60,000.00	DA21	OBLIGATE/COMPLETE
RBB.1007	00	R24961	522-32-21-02	\$10,000.00	DA21	OBLIGATE/COMPLETE
RBB.1008	00	R24524	522-25-31-60	\$17,258.00	DA21	OBLIGATE/COMPLETE
RBA.1017	00	R24912	522-31-31-05	\$75,000.00	DA26	OBLIGATE/COMPLETE
			TOTAL	\$462,258		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTR ID CODE		PAGE OF PAGES	
		1	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
167	See Block 16C	See Page 2	

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

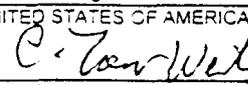
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$470,217 (\$437,866 for cost and \$32,351 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$48,096,297 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,146,173 is obligated under this contract for payment of fee".
 Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	12-16-99

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Mod No. 165		0		0		0		\$781,078
Mod No. 166		0		0		0		\$462,258
Mod No. 167		0		0		0		\$470,217
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	51,242,470

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 140,295	9705	\$ 150,000	DA20
	\$ 29,451	2037	\$ 31,488	DC21
	\$ 70,148	4853	\$ 75,000	DC26
	\$ 17,260	2740	\$ 20,000	DF19
	\$ 109,885	8115	\$ 118,000	DGO3
	\$ 70,828	4901	\$ 75,729	RF01
	\$ 437,866	\$ 32,351	\$ 470,217	
This Mod	\$ 437,866	\$ 32,351	\$ 470,217	
Previous	\$ 47,658,431	\$ 3,113,822	\$ 50,772,253	
New	\$ 48,096,297	\$ 3,146,173	\$ 51,242,470	

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBI.1025	0	R24584	522-51-31-10	\$150,000	DA20	OBLIGATE/COMPLETE
DCO.1176	00	R25047	576-02-11-16	\$6,488.00	DC21	OBLIGATE/COMPLETE
DCO.1176	00	R24496	577-40-10-02	\$10,148.00	DC21	OBLIGATE/COMPLETE
RDE.1023	00	R24496	577-40-10-02	\$14,852.00	DC21	OBLIGATE/COMPLETE
RDA.1020	00	R24744	577-30-30-90	\$75,000.00	DC26	OBLIGATE/COMPLETE
OD.1005	00	R24600	522-81-13-02	\$20,000.00	DF19	OBLIGATE/COMPLETE
RB.1082	00	R26006	522-31-21-01	\$118,000.00	DG03	OBLIGATE/COMPLETE
RFQ.1010	00	C295302	295-32-01-00	\$42,256.00	RF01	OBLIGATE/COMPLETE
RFQ.1011	00	C295302	295-32-01-00	\$33,473.00	RF01	OBLIGATE/COMPLETE
			TOTAL	\$470,217		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT CODE		PAGE OF PAGES	
		1	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
168	See Block 16C	See Page 2	

6. ISSUED BY	7. ADMINISTERED BY (If other than Item 6)
National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	

3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

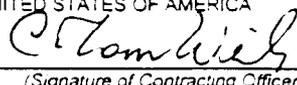
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the incremental funding by \$138,199 (\$129,256 for cost and \$8,943 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$48,225,553 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,155,116 is obligated under this contract for payment of fee".
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		C. Tom Weih Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY 	12-16-99
		(Signature of Contracting Officer)	

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Mod No. 165		0		0		0		\$781,078
Mod No. 166		0		0		0		\$462,258
Mod No. 167		0		0		0		\$470,217
Mod No. 168		0		0		0		\$138,199
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	51,380,669

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 82,491	5708	\$ 88,199	RB02
	\$ 46,765	3235	\$ 50,000	DI22
	\$ 129,256	\$ 8,943	\$ 138,199	
This Mod	\$ 129,256	\$ 8,943	\$ 138,199	
Previous	\$ 48,096,297	\$ 3,146,173	\$ 51,242,470	
New	\$ 48,225,553	\$ 3,155,116	\$ 51,380,669	

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBL1045	00	R24956	522-17-31-20	\$88,199	RB02	OBLIGATE/COMPLETE
RDH.1025	00	R22264	258-70-21-06	\$30,000	DI22	OBLIGATE/COMPLETE
RDH.1025	00	R24055	258-80-00-10	\$20,000	DI22	OBLIGATE/COMPLETE
			TOTAL	\$138,199		

2. AMENDMENT/MODIFICATION NO. 169 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. See Page 2 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001 7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001

9A. AMENDMENT OF SOLICITATION NO. (x) 9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO. X NAS1-96014 10B. DATED (SEE ITEM 13) 7/1/96

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) See Page 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this modification is to increase the incremental funding by \$140,825 (\$131,461 for cost and \$9,364 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B.4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:
 "(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$48,357,014 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,164,480 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA BY C. Tom Weih (Signature of Contracting Officer) 16C. DATE SIGNED 12-16-99

Basic - Mod No. 160	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	48,665,297
Mod No. 161		0		0		0		\$30,000
Mod No. 162		0		0		0		\$185,900
Mod No. 163		0		0		0		\$488,814
Mod No. 164		0		0		0		\$158,906
Mod No. 165		0		0		0		\$781,078
Mod No. 166		0		0		0		\$462,258
Mod No. 167		0		0		0		\$470,217
Mod No. 168		0		0		0		\$138,199
Mod No. 169		0		0		0		\$140,825
Totals	\$	48,296,125	\$	3,338,931	\$	51,635,056	\$	51,521,494

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 23,382	1618	\$ 25,000	DF21
	\$ 28,059	1941	\$ 30,000	DM57
	\$ 61,809	4544	\$ 66,353	DS10
	\$ 18,211	1261	\$ 19,472	RD01
	\$ 131,461	\$ 9,364	\$ 140,825	
This Mod	\$ 131,461	\$ 9,364	\$ 140,825	
Previous	\$ 48,225,553	\$ 3,155,116	\$ 51,380,669	
New	\$ 48,357,014	\$ 3,164,480	\$ 51,521,494	

ACCOUNTING AND APPROPRIATION DATA

<u>PR NO.</u>	<u>PY</u>	<u>JO</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
RBF.1032	00	R24729	522-81-12-97	\$25,000	DF21	OBLIGATE/COMPLETE
RFH.1013	00	R24373	505-90-60-02	\$30,000	DM57	OBLIGATE/COMPLETE
RCD.1043	00	R21889	529-10-11-01	\$31,353	DS10	OBLIGATE/COMPLETE
RCD.1043	00	R24540	714-05-10-01	\$35,000	DS10	OBLIGATE/COMPLETE
RDE.1028	00	R24859	548-41-32-01	\$19,472	RD01	OBLIGATE/COMPLETE
			TOTAL	\$140,825		

2. AMENDMENT/MODIFICATION NO. 170	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO. (If applicable)
------------------------------------------	----------------------------------------	----------------------------------------------------	--------------------------------

8. ISSUED BY CODE National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	7. ADMINISTERED BY (If other than item 5) CODE
-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF Mutual Agreement
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to provisionally increase the estimated cost (excluding fee) of the contract by \$5,000,000 in accordance with Lockheed's proposal 529A-99Q dated 17 December 1999 to provide for an interim means for the continuance of work under current task orders. This increase will be subsequently definitized by bilateral modification upon agreement by both parties. Accordingly, the following changes are made to the Contract Schedule:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) H. P. HANEY PROGRAM MANAGER	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rosemary C. Froehlich Contracting Officer
15B. CONTRACTOR/OFFICER H. P. Haney Signature of person authorized to sign	16B. UNITED STATES OF AMERICA Rosemary C. Froehlich Signature of Contracting Officer
15C. DATE SIGNED 12/21/99	16C. DATE SIGNED 12-21-99

FILE COPY

- I. Section B, B.2, Estimated Cost and Award Fee, the total estimated cost is increased by \$5,000,000 from \$48,296,125 to \$53,296,125. The maximum available award fee shall remain unchanged at \$3,338,931.
- II. All other items remain unchanged.

Contract Summary

		Cost	Fee	Total	Funding Limitation
Basic - Mod No. 160		\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 48,665,297
Mod No.	161	0	0	0	\$30,000
Mod No.	162	0	0	0	\$185,900
Mod No.	163	0	0	0	\$488,814
Mod No.	164	0	0	0	\$158,906
Mod No.	165	0	0	0	\$781,078
Mod No.	166	0	0	0	\$462,258
Mod No.	167	0	0	0	\$470,217
Mod No.	168	0	0	0	\$138,199
Mod No.	169	0	0	0	\$140,825
Mod No.	170	- - 5,000,000	0	0	0
Totals		\$ 53,296,125	\$ 3,338,931	\$ 56,635,056	\$ 51,521,494

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 2

2. AMENDMENT/MODIFICATION NO 171	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE	7. ADMINISTERED BY (If other than item 5) CODE
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3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Lockheed Martin Engineering & Sciences Company Attn: H. Pat Haney/Mail Stop 371 NASA Langley Research Center Hampton, VA 23681-0001	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-96014
		10B. DATED (SEE ITEM 13) 7/1/96
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 3 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Page 3

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the incremental funding by \$1,899,813 (\$1,775,900 for cost and \$123,913 for fee). Accordingly, the following changes are made to the Contract Schedule:

A. Under Section B, B 4 CONTRACT FUNDING, is deleted in its entirety and the following substituted therefor:

"(a) For purposes of payment of cost, exclusive of fee, in accordance with the "Limitation of Funds" clauses, the total amount allotted by the Government to this contract is \$50,132,914 the above allotment covers the following period of performance: July 1, 1996 through September 30, 2000.

An additional amount of \$3,288,393 is obligated under this contract for payment of fee".

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) C. Tom Weih Contracting Officer
15B. CONTRACTOR OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 12-30-97
(Signature of person authorized to sign)	(Signature of Contracting Officer)

NSN 7540-01-152-3070

PREVIOUS EDITION UNUSABLE

-105

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA
FAR 48 CFR 53.243

	<u>Estimated Cost</u>	<u>Award Fee</u>	<u>CPAF</u>	<u>Funding</u>
Basic - Mod No. 160	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056	\$ 48,665,297
Mod No. 161	0	0	0	\$30,000
Mod No. 162	0	0	0	\$185,900
Mod No. 163	0	0	0	\$488,814
Mod No. 164	0	0	0	\$158,906
Mod No. 165	0	0	0	\$781,078
Mod No. 166	0	0	0	\$462,258
Mod No. 167	0	0	0	\$470,217
Mod No. 168	0	0	0	\$138,199
Mod No. 169	0	0	0	\$140,825
Mod No. 170	5,000,000	0	5,000,000	0
Mod No. 171	0	0	0	1,899,813
Totals	\$ 53,296,125	\$ 3,338,931	\$ 56,635,056	\$ 53,421,307

	<u>Cost</u>	<u>Award Fee</u>	<u>Total</u>	<u>Task Order No.</u>
	\$ 30,262	4738	\$ 35,000	DC23
	\$ 215,119	14881	\$ 230,000	DC24
	\$ 369,444	25556	\$ 395,000	DF19
	\$ 226,553	13260	\$ 239,813	DF28
	\$ 158,223	11777	\$ 170,000	DG01
	\$ 37,412	2588	\$ 40,000	DI13
	\$ 98,207	6794	\$ 105,000	DI19
	\$ 60,795	4206	\$ 65,000	DM47
	\$ 51,442	3559	\$ 55,000	DM54
	\$ 462,974	32027	\$ 495,000	DS15
	\$ 65,471	4529	\$ 70,000	RB02
	\$ 1,775,900	\$ 123,913	\$ 1,899,813	
This Mod	\$ 1,775,900	\$ 123,913	\$ 1,899,813	
Previous	\$ 48,357,014	\$ 3,164,480	\$ 51,521,494	
New	\$ 50,132,914	\$ 3,288,393	\$ 53,421,307	

ACCOUNTING AND APPROPRIATION DATA

<u>PR.NO.</u>	<u>PY</u>	<u>JQ</u>	<u>RTR</u>	<u>Amount</u>	<u>Task No.</u>	<u>Status</u>
DCO.1218	00	R23815	576-02-11-11	\$35,000	DC23	OBLIGATE/COMPLETE
RDE.1011	00	R24859	548-41-32-01	\$155,000	DC24	OBLIGATE/COMPLETE
RDE.1011	00	R24827	522-61-31-01	\$75,000	DC24	OBLIGATE/COMPLETE
RBE.1029	00	R24729	522-81-12-97	\$75,000	DF19	OBLIGATE/COMPLETE
RBE.1029	00	R24741	522-63-11-97	\$120,000	DF19	OBLIGATE/COMPLETE
RBE.1029	00	R25056	576-03-15-10	\$200,000	DF19	OBLIGATE/COMPLETE
RBE.1030	00	R24601	522-81-13-01	\$239,813	DF28	OBLIGATE/COMPLETE
RBJ.1037	00	R24734	522-51-31-95	\$170,000	DG01-	OBLIGATE/COMPLETE
RD.1034	00	R22293	258-70-21-06	\$40,000	DI13	OBLIGATE/COMPLETE
RDH.1030	00	R24497	577-40-10-01	\$60,000	DI19	OBLIGATE/COMPLETE
RDH.1030	00	R24508	577-40-30-02	\$45,000	DI19	OBLIGATE/COMPLETE
RCF.1026	00	R24625	522-62-21-01	\$18,000	DM47	OBLIGATE/COMPLETE
RCF.1026	00	T23326	251-30-07-11	\$47,000	DM47	OBLIGATE/COMPLETE
RCF.1032	00	R24635	522-63-41-11	\$55,000	DM54	OBLIGATE/COMPLETE
RCE.1042	00	R24470	242-35-20-04	\$12,000	DS15	OBLIGATE/COMPLETE
RCE.1042	00	R24962	522-17-21-02	\$65,000	DS15	OBLIGATE/COMPLETE
RCE.1042	00	R24473	242-23-04-12	\$118,000	DS15	OBLIGATE/COMPLETE
RCE.1042	00	R24504	242-23-02-13	\$250,000	DS15	OBLIGATE/COMPLETE
RCE.1042	00	R24505	242-23-02-12	\$50,000	DS15	OBLIGATE/COMPLETE
RBL.1050	0	M3883	992-20-03-31	\$70,000	RBO2	OBLIGATE/COMPLETE
TOTAL				\$1,899,813		