

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE DEC 11 1998	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.	
The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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.**

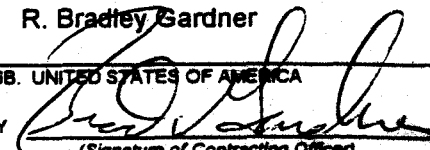
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET 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 incrementally fund the contract in the amount of \$289,375 as follows:

(Continued)

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) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED DEC 11 1998
(Signature of person authorized to sign)			
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		30-105	STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA PAR (48 CFR) 53.243

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$275,580 from \$95,240 to \$370,820 and the available fee allotment by \$13,795 from \$4,760 to \$18,555. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$370,820. This allotment is for the performance of work in accordance with the Limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$18,555 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	<u>Est cost</u>	<u>Fixed Fee</u>	<u>Est Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	<u>0</u>	<u>0</u>	<u>275,580</u>	<u>13,795</u>
Totals	\$13,920,000	\$696,000	\$370,820	\$18,555

Accounting and Appropriation Data

<u>PR Number</u>	<u>Job Order</u>	<u>Dollar Amount</u>	<u>Task Number</u>	<u>Complete/Partial</u>
M .1040	R23867	\$175,000	3	Complete
M .1041	R23816	\$70,000	2	Complete
M .1042	R23816	\$44,375	1	Complete

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 2	3. EFFECTIVE DATE <b>FEB 17 1999</b>	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 23881-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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 incrementally fund the contract in the amount of \$1,909,915 as follows:

(Continued)

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) R. Bradley Gardner
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 2-17-99
(Signature of person authorized to sign)	(Signature of Contracting Officer)

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$1,818,980 from \$370,820 to \$2,189,800 and the available fee allotment by \$90,935 from \$18,555 to \$109,490. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$2,189,800. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$109,490 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

**Contract Tabulation**

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Totals	\$13,920,000	\$696,000	\$2,189,800	109,490

**Accounting and Appropriation Data**

<u>PR Number</u>	<u>Job Order</u>	<u>Dollar Amount</u>	<u>Task Number</u>	<u>Complete/Partial</u>
M .1050	R23816	\$229,565	2	Complete
M .1052	R23867	\$1,680,350	3	Complete

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 3	3. EFFECTIVE DATE <b>MAR 04 1999</b>	4. REQUISITION/PURCHASE REQ. NO. CH.0638	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)

PR: CH.0638; R22413; \$180,000; R22675; \$105,600 (Task 4) (Complete)

**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)

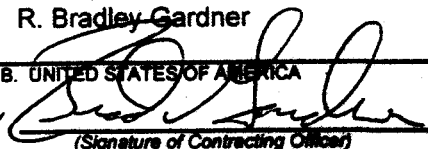
**E. IMPORTANT:** Contractor X is not  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund the contract in the amount of \$285,600 as follows:

(Continued)

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) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3-4-99

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$272,000 from \$2,189,800 to \$2,461,800 and the available fee allotment by \$13,600 from \$109,490 to \$123,090. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$2,461,800. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$123,090 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod 2	0	0	1,818,980	90,935
Mod. 3	<u>0</u>	<u>0</u>	<u>272,000</u>	<u>13,600</u>
Totals	\$13,920,000	\$696,000	\$2,461,800	123,090

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 4	3. EFFECTIVE DATE <b>MAR 09 1999</b>	4. REQUISITION/PURCHASE REQ. NO. M 1053	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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		9B. DATED (SEE ITEM 11)		
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
		10B. DATED (SEE ITEM 13) 11/19/98		

**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)  
PR: M 1053; R23816; \$20,000 (Task 1) (Complete) — \$17,955

**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)

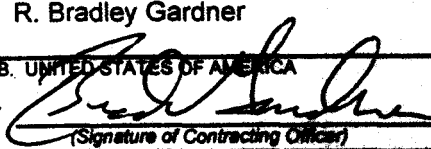
**E. IMPORTANT:** Contractor X is not  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund the contract in the amount of \$17,955 as follows:

(Continued)

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) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 3-9-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

**A. Section B., B.4, Contract Funding**, is modified to increase the available cost allotment by \$17,100 from \$2,461,800 to \$2,478,900 and the available fee allotment by \$855 from \$123,090 to \$123,945. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$2,478,900. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$123,945 is obligated under this contract for payment of fee.

**B. All other terms and conditions remain unchanged.**

Contract Tabulation

	Value		Funding	
	Est Cost	Fixed Fee	Est. Cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Totals	\$13,920,000	\$696,000	\$2,478,900	123,945



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 5	3. EFFECTIVE DATE APR 27 1999	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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.**

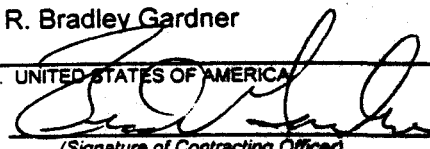
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET 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 incrementally fund the contract in the amount of \$84,995 as follows:

(Continued)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 4-27-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$80,950 from \$2,478,900 to \$2,559,850 and the available fee allotment by \$4,045 from \$123,945 to \$127,990. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$2,559,850. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$127,990 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod 5	0	0	80,950	
Totals	\$13,920,000	\$696,000	\$2,559,850	\$127,990

Accounting and Appropriation Data

PR M.1057; R23816; \$64,995 (Task 2/Complete)  
 PR M.1056; R24310; \$20,000 (Task 5/Complete)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 6	3. EFFECTIVE DATE MAY 21 1999	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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.**

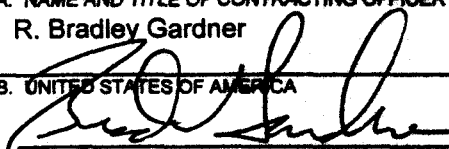
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET 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 incrementally fund the contract in the amount of \$117,880 as follows:

(Continued)

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) R. Bradley Gardner
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 5-21-99

A. *section B.*, 8.4, **Contract Funding**, is modified to increase the available cost allotment by \$112,240 from **\$2,559,850** to **\$2,672,090** and the available fee allotment by \$5,640 from \$127,990 to \$133,630. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$2,672,090. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$133,630 is **obligated** under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	<u>Value</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Funding</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000		\$696,000	\$95,240		\$4,760
Mod. 1	0		0	275,580		13,795
Mod. 2	0		0	1,818,980		90,935
Mod. 3	0		0	272,000		13,600
Mod. 4	0		0	17,100		855
Mod. 5	0		0	80,500		4,045
Mod. 6	0		0	112,240		5,640
<b>Totals</b>	<b>\$13,920,000</b>		<b>\$696,000</b>	<b>\$2,672,090</b>		<b>\$133,630</b>

Accounting and Appropriation Data

PR M.1058; R23867; \$27,880 (Task 3/Complete)  
 PR M.1059; R23816; \$10,000 (Task 6/Complete)  
 PR M.1061; R24310; \$80,000 (Task 5/Complete)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 7	3. EFFECTIVE DATE JUL 08 1999	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS 1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)

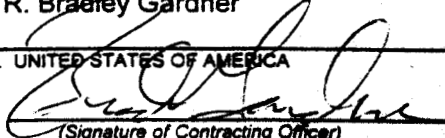
E. IMPORTANT: Contractor X is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund the contract in the amount of \$132,000 as follows:

(Continued)

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) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 7-8-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

A Section B., 8.4, Contract Funding, is modified to increase the available cost allotment by \$125,690 from \$2,672,090 to \$2,797,780 and the available fee allotment by \$6,310 from \$133,630 to \$139,940. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows

(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 \$2,797,780. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$139,940 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	<u>Value</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Funding</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000		\$696,000	\$95,240		\$4,760
Mod. 1	0		0	275,580		13,795
Mod 2	0		0	1,818,980		90,935
Mod. 3	0		0	272,000		13,600
Mod. 4	0		0	17,100		855
Mod. 5	0		0	80,500		4,045
Mod. 6	0		0	112,240		5,640
Mod. 7	0		0	125,690		6,310
Totals	\$13,920,000		\$696,000	\$2,797,780		\$139,940

Accounting and Appropriation Data

PR M.1064; R23816; \$ 10,000 (Task 8/Complete)  
PR M.1065; R24355; \$122,000 (Task 7/Complete)

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE PAGE OF PAGES  
1 2

2. AMENDMENT/MODIFICATION NO. **8** 3. EFFECTIVE DATE **JUL 26 1999** 4. REQUISITION/PURCHASE REQ. NO. **AH.1001** 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) **The Aerospace Corporation  
2350 E. El Segundo Boulevard  
El Segundo, CA 90245-4691**

9A. AMENDMENT OF SOLICITATION NO.   
9B. DATED (SEE ITEM 11)   
10A. MODIFICATION OF CONTRACT/ORDER NO. **NAS1-99050**   
10B. DATED (SEE ITEM 13) **11/19/98**

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)  
**PR: AH.1001; R23816; \$300,000 (Complete) (Task 6)**

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

- 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 data, 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 incrementally fund the contract in the amount of \$300,000 as follows:

(Continued)

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) **R. Bradley Gardner** 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED **7-26-99**

(Signature of person authorized to sign) (Signature of Contracting Officer)

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$285,500 from \$2,797,780 to \$3,083,280 and the available fee allotment by \$14,500 from \$139,940 to \$154,440. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,083,280. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$154,440 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Totals	\$13,920,000	\$696,000	\$3,083,280	\$154,440



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 9	3. EFFECTIVE DATE AUG 13 1999	4. REQUISITION/PURCHASE REQ. NO. AH.1003	5. PROJECT NO. (if applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001	CODE AUG 13 1999	7. ADMINISTERED BY (if other than Item 6)	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS 1-99050	
CODE			10B. DATED (SEE ITEM 13) 11/19/98	
FACILITY CODE				

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)  
PR: AH.1003; R23816; \$10,000 (Complete) (Task 9)

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 F/R 13 103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
	D. OTHER (Specify type of modification and authority)

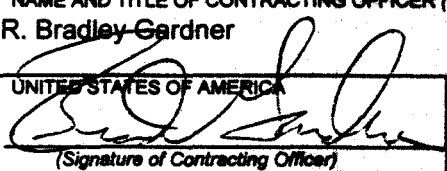
E. IMPORTANT: Contractor X is not  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) R. Bradley Gardner	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 8-13-99
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$9,525 from \$3,083,280 to \$3,092,805 and the available fee allotment by \$475 from \$154,440 to \$154,915. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,092,805. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$154,915 is obligated under this contract for payment of fee.

B All other terms and conditions remain unchanged.

Contract Tabuladon

	<u>Est Cost</u>	<u>Value</u> Fixed Fee	<u>Est cost</u>	<u>Funding</u> Fixed Fee
Contract Awards	13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$3,092,805</b>	<b>\$154,915</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 10		3. EFFECTIVE DATE <b>SEP 28 1999</b>	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
CODE			10B. DATED (SEE ITEM 13) 11/19/98
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)

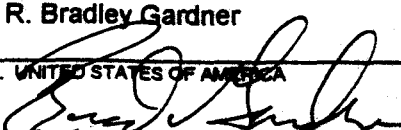
**E. IMPORTANT:** Contractor X is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund the contract in the amount of \$120,000 as follows:

(Continued)

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) R. Bradley Gardner	
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 9-28-99

**FILE**

A. Section B., 8.4, Contract Funding, is modified to increase the available cost allotment by \$114,290 from 83,092,805 to \$3,207,095 and the available fee allotment by \$5,710 from \$154,915 to \$160,625. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$3,207,095. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$160,625 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est cost</u>	<u>Value</u> <u>Fixed Fee</u>	<u>Est. cost</u>	<u>Funding</u> <u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
<b>Totals</b>	<b>613,920,000</b>	<b>\$696,000</b>	<b>\$3,207,095</b>	<b>\$160,625</b>

Accounting and Appropriation Data  
 AH 1010; R23816; \$50,000 (Task 2/Complete)  
 AH 1011; R23816; \$10,000 (Task 8/Complete)  
 AH 1012; R23816; \$50,000 (Task 6/Complete)  
 AH 1013; R23816; \$10,000 (Task 10/Complete)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 11	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO. AH.1016		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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691			(x)	9A. AMENDMENT OF SOLICITATION NO.
				9B. DATED (SEE ITEM 11)
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
				10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: AH.1016; R-23816; \$30,000 (Task 8) (Complete)

**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 incrementally fund the contract in the amount of \$30,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10 20 99

FILE COPY 1

A. Section B, B.4, Contract Funding, is **modified** to increase the available **cost allotment** by \$28,575 from \$3,207,095 to \$3,235,670 and the available fee **allotment** by \$1,425 from \$160,625 to \$162,050. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 **\$3,235,670**. This **allotment is for the performance of** work in accordance with the **limitations and completion dates as set forth** in **task orders** authorized by the Contracting Officer.

(b) An additional amount of **\$162,050** is obligated under this contract for payment of fee.

B. All other **terms** and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
<b>Contract Award</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$95,240</b>	<b>\$4,760</b>
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$3,235,670</b>	<b>\$162,050</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 12	3. EFFECTIVE DATE NOV 02 1999	4. REQUISITION/PURCHASE REQ. NO. OBB.1027	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98

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)  
PR:OBB.1027; R-23499; \$10,000 (Task 11) (Complete)

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 data, 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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-2-99

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$9,500 from \$3,235,670 to \$3,245,170 and the available fee allotment by \$500 from \$162,050 to \$162,550. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,245,170. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$162,550 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	Est. cost	Fixed Fee	Est. cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$3,245,170	\$162,550



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 13	3. EFFECTIVE DATE <b>NOV 16 1999</b>	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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 incrementally fund the contract in the amount of \$400,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-16-99
(Signature of person authorized to sign)			

FILE COPY

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$380,332 from \$3,245,170 to \$3,625,502 and the available fee allotment by \$19,668 from \$182,218. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,625,502. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$182,218 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	<u>380,332</u>	<u>19,668</u>
Totals	\$13,920,000	\$696,000	\$3,625,502	\$182,218

Block 12. Accounting and Appropriation Data:

PR AH.1017; R-24461; 29790000100; \$200,000 (Complete) (Task 6)

PR AH.1018; R-24461; 29790000100; \$200,000 (Complete) (Task 8)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 14	3. EFFECTIVE DATE <b>NOV 17 1999</b>	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		"	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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 incrementally fund the contract in the amount of \$40,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-17-99
(Signature of person authorized to sign)			

**A.** section B, B.4, Contract **Funding**, is modified to increase the available cost allotment by **\$38,000** from **\$3,625,502** to **\$3,663,502** and the available fee allotment by **\$2,000** from **\$182,218** to **\$184,218**. As a result thereof, **paragraphs (a)** and **(b)** of **B.4** are restated as follows:

**(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 **\$3,663,502**. This **allotment is for the performance of work** in accordance with **the limitations and completion dates as set forth in task orders** authorized by the Contracting Officer.

**(b)** An additional amount of **\$184,218** is obligated under this contract **for payment of fee**.

**B.** All **other** terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Fixed Fee</u>
Contract Award	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$95,240</b>	<b>\$4,760</b>
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	<b>38,000</b>	<b>2,000</b>
Totals	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$3,663,502</b>	<b>\$184,218</b>

**Block 12. Accounting and Appropriation Data:**

**PR AH.1014; R-24355; 40989000300; \$30,000 (Complete) (Task 7)**

**IR OBB.1030; R-25076; 83940005000; \$10,000 (Complete) (Task 12)**

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 15	3. EFFECTIVE DATE <b>NOV 18 1999</b>	4. REQUISITION/PURCHASE REQ. NO. OBB.1032	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98

**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)  
PR OBB.1032; R-23499; 21010000100; \$40,000 (Complete) (Task 11)

**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 incrementally fund the contract in the amount of \$40,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-18-99

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$38,118 from \$3,663,502 to \$3,701,620 and the available fee allotment by \$1,882 from \$184,218 to \$186,100. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,701,620. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$186,100 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	<u>38,118</u>	<u>1,882</u>
Totals	\$13,920,000	\$696,000	\$3,701,620	\$186,100

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 16		3. EFFECTIVE DATE <b>DEC 07 1999</b>	4. REQUISITION/PURCHASE REQ. NO. AH. 1021	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98
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)**

PR: AH.1021; R-23816; 29790000100; \$8,008 (Complete) (Task 6)

**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 incrementally fund the contract in the amount of \$8,008 as follows:

(Continued)

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)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	18B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	18C. DATE SIGNED 12-7-99
(Signature of person authorized to sign)			

**FILE COPY**

A. Section B, 8.4, Contract Funding, is modified to increase the available cost allotment by \$8,008 from \$ \$3,701,620 to \$3,709,628, with no change to the available fee allotment. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$3,709,628. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$186,100 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	Est Cost	Fixed Fee	Est cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Totals	\$13,920,000	\$696,000	\$3,709,628	\$186,100



**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE		PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 17	3. EFFECTIVE DATE <b>DEC 14 1999</b>	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98

**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 OFFLY 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 data, 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 incrementally fund the contract in the amount of \$248,872 as follow:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 12-14-99

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$237,490 from \$3,709,628 to \$3,947,118 and the available fee allotment by \$11,382 from \$186,100 to \$197,482. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,947,118. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$197,482 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	Est. cost	Fixed Fee	Est. cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	- 0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	2,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Totals	\$13,920,000	\$696,000	\$3,947,118	\$197,482

Block 12. Accounting and Appropriation Data

PR AH.1023; R24461; 29790000100; \$64,371; Task 2 (Complete)  
PR AH.1022; R24461; 29790000100; \$184,501; Task 8 (Complete)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 18	3. EFFECTIVE DATE <b>DEC 16 1999</b>	4. REQUISITION/PURCHASE REQ. NO. OBB.1036	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo. CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: OBB.1036; R-25076; 83940005000; \$50,600; Task 12 (Complete)

**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 incrementally fund the contract in the amount of \$50,600 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 12-16-99
(Signature of person authorized to sign)			

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$48,199, and the available fee allotment by \$2,401. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$3,995,317. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$199,883 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Totals	\$13,920,000	\$696,000	\$3,995,317	\$199,883

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 19	3. EFFECTIVE DATE <b>JAN 10 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1024	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/00	
CODE	FACILITY CODE			

**11. 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)**

PR: AH.1024; R-24461; 29790000100; \$40,000; Task 6 (Complete)

**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 incrementally fund the contract in the amount of \$40,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1-10-00
(Signature of person authorized to sign)			

File Copy

A. section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$38,095, and the available fee allotment by \$1,905. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$4,033,412. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$201,788 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	Est cost	Fixed Fee	Est. cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Totals	\$13,920,000	\$696,000	\$4,033,412	\$201,788

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 20		4. REQUISITION/PURCHASE REQ. NO. AH.1027	1	2
3. EFFECTIVE DATE JAN 21 2000		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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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)  
PR: AH.1027; R-24461; 29790000100; \$10,000; Task 13 (Complete)

**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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 1-21-00
(Signature of person authorized to sign)			

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,042,912. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$202,288 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	<u>Value</u> Fixed Fee	<u>Est. cost</u>	<u>Funding</u> Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$4,042,912	\$202,288



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE <b>FFR 01 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1029	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR:AH.1029 R-24461; 29790000100; \$26,000; Task 10 (Complete)

**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 incrementally fund the contract in the amount of \$26,000 as follows:

(Continued)

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) Sharyn Hilstrom
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 2-1-00

**FILE COPY**

A. Section B, 8.4, Contract Funding, is modified to increase the available cost allotment by \$24,759 and the available fee allotment by \$1,241. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$4,067,671. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$203,529 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	<u>Value</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Funding</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000		\$696,000	\$95,240		\$4,760
Mod. 1	0		0	275,580		13,795
Mod. 2	0		0	1,818,980		90,935
Mod. 3	0		0	272,000		13,600
Mod. 4	0		0	17,100		855
Mod. 5	0		0	80,500		4,045
Mod. 6	0		0	112,240		5,640
Mod. 7	0		0	125,690		6,310
Mod. 8	0		0	285,500		14,500
Mod. 9	0		0	9,525		475
Mod. 10	0		0	114,290		5,710
Mod. 11	0		0	28,375		1,425
Mod. 12	0		0	9,500		500
Mod. 13	0		0	380,332		19,668
Mod. 14	0		0	38,000		2,000
Mod. 15	0		0	38,118		1,882
Mod. 16	0		0	8,008		0
Mod. 17	0		0	237,490		11,382
Mod. 18	0		0	48,199		2,401

	<u>Est cost</u>	<u>Value</u> <u>Fixed Fee</u>	<u>Funding</u> <u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Totals	\$13,920,000	\$696,000	\$4,067,671	\$203,529

1. 30

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 22	3. EFFECTIVE DATE FEB 01 2000	4. REQUISITION/PURCHASE REQ. NO. OBB.1046	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 11/19/98

**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)  
PR:OBB.1046; R-24161; 83920000100; \$35,060; Task 14 (Complete)

**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 incrementally fund the contract in the amount of \$35,060 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 2-1-00
(Signature of person authorized to sign)			

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**

A. Section B, 8.4, Contract Funding, is **modified** to increase the available cost allotment by \$33,391 and the available fee allotment by \$1,669. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 **\$4,101,062**. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$205,198 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	<u>Value</u>		<u>Funding</u>	
			<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
<b>Contract Award</b>	<b>\$13,920,000</b>		<b>\$696,000</b>	<b>\$95,240</b>	<b>\$4,760</b>
Mod. 1	0		0	275,580	13,795
Mod. 2	0		0	1,818,980	90,935
Mod. 3	0		0	272,000	13,600
Mod. 4	0		0	17,100	855
Mod. 5	0		0	80,500	4,045
Mod. 6	0		0	112,240	5,640
Mod. 7	0		0	125,690	6,310
Mod. 8	0		0	285,500	14,500
Mod. 9	0		0	9,525	475
Mod. 10	0		0	114,290	5,710
Mod. 11	0		0	28,575	1,425
Mod. 12	0		0	9,500	500
Mod. 13	0		0	380,332	19,668
Mod. 14	0		0	38,000	2,000
Mod. 15	0		0	38,118	1,882
Mod. 16	0		0	8,008	0
Mod. 37	0		0	237,490	11,382
Mod. 18	0		0	48,199	2,401

	<u>Est cost</u>	<u>Value</u> <u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Funding</u> <u>Fixed Fee</u>
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	<u>33,391</u>	<u>1,669</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$4,101,062</b>	<b>\$205,198</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 23	3. EFFECTIVE DATE <b>MAR 02 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH. 1037	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98

**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)**

PR: AH.1037; R-24461; 29790000100; \$30,000; Task 10 (Complete)

**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 incrementally fund the contract in the amount of \$30,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3-2-00
(Signature of person authorized to sign)			

A. Section B, 8.4, Contract Funding, is modified to increase the available cost allotment by \$28,572 and the available fee allotment by \$1,428. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,129,634. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$206,626 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,375	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401



	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est Cost</u>	<u>Fixed Fee</u>
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mud. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	<u>0</u>	<u>0</u>	<u>28,572</u>	<u>1,428</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$4,129,634</b>	<b>\$206,626</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 24	3. EFFECTIVE DATE <b>MAR 17 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH. 1039 and OBB.1060	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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 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 incrementally fund the contract in the amount of \$664,416 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 3-17-00
(Signature of person authorized to sign)			

NSN 7540-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)

FAR (48 CFR) 53.243

**FILE COPY**

A. Section B, 8.4, Contract Funding, is modified to increase the available cost allotment by \$632,777 and the available fee allotment by \$31,639. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$4,762,411. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$238,265 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

Contract Award	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639
Totals	\$13,920,000	\$696,000	\$4,762,411	\$238,265

**Block 12, Accounting and Appropriation Data:**

**PR AH.1039, R-24461, 29790000100; \$594,416; Task 10 (Complete)**  
**PR OBB.1060; R-24161; 83920000100; \$70,000; Task 15 (Complete)**

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3
2. AMENDMENT/MODIFICATION NO. 25	3. EFFECTIVE DATE APR 20 2000	4. REQUISITION/PURCHASE REQ. NO. AH. 1043	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 11/19/98

**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)  
PR AH.1043; R24461; 29790000100; \$10,000; Task 16 (Complete)

**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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 4-20-00
(Signature of person authorized to sign)			

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to *increase* the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,771,911. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$238,765 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	\$9,500	\$500
Totals	\$13,920,000	\$696,000	\$4,771,911	\$238,765

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 28	3. EFFECTIVE DATE MAY 23 2000	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4891 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3944  Attn: Mr. John Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/10/99
9999	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 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 data, 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: Limitation of Funds Clause
	D. OTHER (Specify type of modification and authority)

**14. IMPORTANT: Contractor is not. X 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 \$40,903 in incremental funding pursuant to the Contract Funding clause of this contract and to restate Paragraphs (a) and (b) of Paragraph 3. to modify the funding for the total contract. The total amount allotted for the purpose of payment of cost is decreased by \$38,858 and the funding for fixed fee is decreased by \$2,045. The allotment period remains October 3 4 2000. Therefore, Paragraphs (a) and (b) of Paragraph 3 are restated as follows:

(Continued)  
**EXECUTED BY ALL PARTIES**

Expect as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as hereinafter amended, remains unchanged and in full force and effect.	
15A. NAME AND TITLE OF SIGNER (Type or print) John R Harry Manager, Contracts and Pricing	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharyn Hillstrom
15B. CONTRACTOR OFFICER John R Harry (Signature of person authorized to sign)	15C. DATE SIGNED 5/22/00
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED 5-23-00
BY Sharyn Hillstrom (Signature of Contracting Officer)	

**FILE COPY**



A. Section B., B.4, Contract Funding, is modified to decrease the available cost allotment by \$38,858 and the available fee allotment by \$2,045. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,733,053. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$236,720 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	\$9,500	\$500
Mod. 26	0	0	(38,858)	(2,045)
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$4,733,053</b>	<b>\$236,720</b>

**Block 12: Accounting and Appropriation Data:**

PR: CH.0638; R-22413; RTR: 853-10-00-01; (\$20,514) (Deobligate); Task 4  
PR: OBB.1036; R-25076; RTR: 839-40-00-50; (\$20,389)(Deobligate); Task 12

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 27	3. EFFECTIVE DATE <b>MAY 19 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH. 1045	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3944  Attn: Mr. John Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		9B. DATED (SEE ITEM 11)		
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
		10B. DATED (SEE ITEM 13) 11/19/98		

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)

PR: AH.1045; R-24461; RTR 29790000100; \$50,000 (Task 16) (Complete)

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 \_\_\_\_\_ s o the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section / b / line / h / li b / k / l / r / subject matter where feasible.)

purpose of this modification is incrementally in the contract in the amount of 5 000 as follows

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) Sharyn Hilstrom
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 5-19-00

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**

A. **Section B., B.4, Contract Funding, is modified** to increase the available cost allotment by \$47,500 and the available fee allotment by \$2,500. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$4,780,553. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$239,220 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	\$9,500	\$500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Totals	\$13,920,000	\$696,000	\$4,780,553	\$239,220

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES	
		1	1	3

2. AMENDMENT/MODIFICATION NO. <b>28</b>	3. EFFECTIVE DATE <b>JUN 06 2000</b>	4. REQUISITION/PURCHASE REQ. NO. <b>See Page 3</b>	5. PROJECT NO. (If applicable)
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6. ISSUED BY <b>National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001</b>	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)  <b>The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988</b>  Attn: Mr. John R. Harry	(x)           X	9A. AMENDMENT OF SOLICITATION NO.  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS1-99050</b>  10B. DATED (SEE ITEM 13) <b>11/19/99</b>
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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 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 incrementally fund the contract in the amount of \$74,932 as follows:

(Continued)

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) <b>Sharyn Hilstrom</b>		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED <b>6-6-00</b>

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$71,316 and the available fee allotment by \$3,616. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,851,869. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$242,836 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Est Cost</u>	value	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Funding</u>	<u>Fixed Fee</u>
Mod. 25	0		0	\$9,500		\$500
Mod. 26	0		0	(38,858)		(2,045)
Mod. 27	0		0	47,500		2,500
Mod. 28	0		0	71,316		3,616
Totals	\$13,920,000		\$696,000	\$4,851,869		\$242,836

**Block 12. Accounting and Appropriation Data**

PR: OD.1061; R-23648; RTR: 45473000100; \$14,932(Task 11, Mod. 2) (Complete)

PR: OD.1061; R-23499; RTR: 21010000100; \$40,000(Task 11, Mod. 2) (Complete)

PR AH.1052; R-24461; RTR: 29790000100; \$10,000(Task 17) (Complete)

PR: AH.1053; R-24461 ;RTR: 29790000 100;\$10,000 (Task 18) (Complete)



**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. 29		3. EFFECTIVE DATE <b>JUN 28 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1058	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98

**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: AH.1058; R-24461; RTR: 29790000100; \$50,000 (Task 13, Mod. 2) (Complete)

**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 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 incrementally fund the contract in the amount of \$50,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED <b>JUN 28 2000</b>
(Signature of person authorized to sign)			

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**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$47,500 and the available fee allotment by \$2,500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,899,369. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$245,336 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	Value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
*continued*

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	<u>47,500</u>	<u>2,500</u>
Totals	\$13,920,000	\$696,000	\$4,899,369	\$245,336

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 30	3. EFFECTIVE DATE JUN 30 2000	4. REQUISITION/PURCHASE REQ. NO. AH.1060	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)**

PR: AH.1060; R-24461; RTR: 29790000100; \$10,000 (Task 9, Mod. 1) (Complete)

**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 data, 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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	18B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	18C. DATE SIGNED 6-30-00
(Signature of person authorized to sign)			

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount dotted by the Government to this contract is \$4,908,869. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$245,836 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	Est Cost	Fixed Fee	Est. Cost	Fixed Fee
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$4,908,869	\$245,836

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 31	3. EFFECTIVE DATE JUL 10 2000	4. REQUISITION/PURCHASE REQ. NO. AH.1063	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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988 Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		9B. DATED (SEE ITEM 11)		
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
		10B. DATED (SEE ITEM 13) 11/19/98		

**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)**

PR: AH.1063; R-24461; RTR: 29790000100; \$11,500 (Task 19) (Complete)

**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 data, 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 incrementally fund the contract in the amount of \$11,500 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-10-00
(Signature of person authorized to sign)			

NSN 7540-01-152-9070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 38 (Rev. 10-83)

Prescribed by GSA  
FAR (48 CFR) 53.243

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$10,952 and the available fee allotment by \$548. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$4,919,821. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$246,384 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639



Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	<u>0</u>	<u>0</u>	<u>10,952</u>	<u>548</u>
Totals	\$13,920,000	\$696,000	\$4,919,821	\$246,384

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 32	3. EFFECTIVE DATE <b>JUL 14 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1064	5. PROJECT NO. (If applicable)
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23881-0001	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)**

PR: AH.1064; R-24461; RTR: 29790000100; \$200,000 (Task 13) (Complete)

**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 incrementally fund the contract in the amount of \$200,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 7-14-00
(Signature of person authorized to sign)			

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**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$190,477 and the available fee allotment by \$9,523. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,110,298. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$255,907 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	<u>190,477</u>	<u>9,523</u>
Totals	\$13,920,000	\$696,000	\$5,110,298	\$255,907

## AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 3

2. AMENDMENT/MODIFICATION NO.

33

3. EFFECTIVE DATE

JUL 21 2000

4. REQUISITION/PURCHASE REQ. NO.

AH.1066

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)

The Aerospace Corporation  
2350 E. El Segundo Boulevard  
El Segundo, CA 90245-4691  
C/O 1000 Wilson Boulevard, Suite 2600  
Arlington VA 22209-3988

Attn: Mr. John R. Harry

CODE

FACILITY CODE

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-99050

10B. DATED (SEE ITEM 13)

11/19/98

X

## 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)

PR: AH.1066; R-24461; RTR: 29790000100; \$40,000 (Task 17) (Complete)

## 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 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 incrementally fund the contract in the amount of \$40,000 as follows:

(Continued)

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)  
Sharyn Hilstrom

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

Sharyn Hilstrom  
(Signature of Contracting Officer)

7-21-00

NSN 7546-01-152-8070

30-105

PREVIOUS EDITION UNUSABLE

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA  
FAR (48 CFR) 53.243

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$38,095 and the available fee allotment by \$1,905. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(a) For purposes of payment or cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$5,148,393. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$257,812 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	)	1,818,980	90,935
Mod. 3	0	)	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	)	112,240	5,640
Mod. 7	0	)	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	<u>38,095</u>	<u>1,905</u>
Totals	\$13,920,000	\$696,000	\$5,148,393	\$257,812

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 34	3. EFFECTIVE DATE <b>AUG 16 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1071	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: AH.1071; R-24389; RTR: 89610000500; \$64,985 (Task 19, Mod. No. 1) (Complete)

**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 incrementally fund the contract in the amount of \$64,985 as follows:

(Continued)

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) Sharyn Hilstrom		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 8-16-00
(Signature of person authorized to sign)			

**FILE COPY**



A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$61,891 and the available fee allotment by \$3,094. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,210,284. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$260,906 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	<u>61,891</u>	<u>3,094</u>
Totals	\$13,920,000	\$696,000	\$5,210,284	\$260,906

OAS Approval #: 2700-0042

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 35	3. EFFECTIVE DATE SEP 18 2000	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)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4891 C/O 1000 Wilson Boulevard, Suite 2800 Arlington VA 22209-3944  Attn: Mr. John Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
	X	10B. DATED (SEE ITEM 13) 11/19/99
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 10, 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 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 data, 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: <b>Limitation of Funds Clause</b>
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not X 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 initial matter where feasible.)

The purpose of this modification is to deobligate \$170,730 in incremental funding pursuant to the Contract Funding clause of this contract and to restate Paragraphs (a) and (b) of Paragraph 3. to modify the funding for the total contract. The total amount allotted for the purpose of payment of cost is decreased by \$162,600 and the funding for fixed fee is decreased by \$8,130. The allotment period remains December 31, 2000. Therefore, Paragraphs (a) and (b) of Paragraph 3 are restated as follows:

(Continued)

18A. NAME AND TITLE OF BUYER (Type or print) John R. Harry, Manager Contracts and Pricing		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharyn Hillstrom	
18B. CONTRACT NUMBER John R. Harry	18C. DATE SIGNED 9/15/00	18B. UNITED STATES OF AMERICA BY Sharyn Hillstrom	18C. DATE SIGNED 9-18-00

30-106 FILE COPY

**NAS1-99050**  
**Modification No. 35**

Page 2 of 3

A. Section B., B.4, Contract Funding, is modified to decrease the available cost allotment by \$162,600 and the available fee allotment by \$8,130. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,047,684. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$252,776 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	273,580	13,795
Mod. 2	0	0	1,818,980	90,985
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

NAS1-99050  
Modification No. 35

Page 3 of 3

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	\$9,500	\$500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130) = 170,73
Totals	\$13,920,000	\$696,000	\$5,047,684	\$252,776

162,600  
8,130

**Block 12: Accounting and Appropriation Data:**

PR: M.1052; R-24461; RTR 297-90-00-01; (\$97,650) (Deobligate); Task 3

PR: M.1058; R-24461; RTR 297-90-00-01; (\$12,080) (Deobligate); Task 3

PR: M.1056; R-24310; RTR 409-89-00-01; (\$5,600) (Deobligate); Task 5

PR: M.1061; R-24310; RTR 409-89-00-01; (\$28,900) (Deobligate); Task 5

PR: M.1065; R-24355; RTR 409-89-00-03; (\$23,600) (Deobligate); Task 7

PR: AH.1014; R-24355; RTR 409-89-00-03; (\$2,900) (Deobligate); Task 7

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. <b>36</b>		3. EFFECTIVE DATE <b>SEP 20 2000</b>		4. REQUISITION/PURCHASE REQ. NO. <b>AH.1072</b>		5. PROJECT NO. (if applicable)	
6. ISSUED BY <b>National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001</b>		7. ADMINISTERED BY (if other than item 6)		CODE		PAGE OF PAGES 1 3	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  <b>The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988</b>		(x)	9A. AMENDMENT OF SOLICITATION NO.
Attn: Mr. John R. Harry			9B. DATED (SEE ITEM 11)
CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS1-99050</b>
FACILITY CODE			10B. DATED (SEE ITEM 13) <b>11/19/98</b>

**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: AH.1072; R-26945; RTR: 47876000100; \$10,000 (Task 20) (Complete)

**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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) <b>Sharyn Hilstrom</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED <b>9-20-00</b>
(Signature of person authorized to sign)			

**FILE COPY**

A. Section B, B.4, Contract Funding, is **modified** to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,057,184. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$253,276 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
<b>Mod. 25</b>	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
<b>Mod. 27</b>	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
<b>Mod. 29</b>	0	0	4 7 m	500
Mod. 30	0	0	9,500	500
<b>Mod. 31</b>	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
<b>Mod. 36</b>	0	0	9,500	500
<b>Totals</b>	\$13,920,000	\$696,000	\$5,057,184	\$253,276



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 37	3. EFFECTIVE DATE <b>OCT 17 2000</b>	4. REQUISITION/PURCHASE REQ. NO. AH.1077	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		FACILITY CODE		9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	

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)  
PR: AH.1077; R-24461; RTR: 29790000100; \$10,000 (Task 21) 1 pl

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 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 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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 10-17-00

**FILE COPY**

A. Section B, B4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,066,684. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$253,776 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0		14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<i>value</i>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	<u>9,500</u>	<u>500</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$5,066,684</b>	<b>\$253,776</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 38	3. EFFECTIVE DATE NOV 21 2000	4. REQUISITION/PURCHASE REQ. NO. See Page 3	5. PROJECT NO. (If applicable)
6. 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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
CODE	FACILITY CODE	

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 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 _____ as in paying office, appropriation data, 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 incrementally fund the contract in the amount of \$62,778 as follows:

(Continued)

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)	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharyn Hilstrom
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 11-21-00
(Signature of person authorized to sign)	BY <u>Sharyn Hilstrom</u> (Signature of Contracting Officer)

FILE COPY

A. Section B, B4, Contract Funding, is **modified** to increase the available **cost allotment** by \$59,790 and **the** available fee allotment by \$2,988. **As** a result thereof, **paragraphs (a) and (b) of B4 are** restated as follows:

(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 **\$5,126,474**. This **allotment** is for **the performance** of work in accordance **with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer**.

(b) An additional amount of \$256,764 is obligated under **this contract** for payment of fee.

B. All **other** terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
<b>Contract Award</b>	\$13,920,000	\$696,000	\$95,240	<b>\$4,760</b>
<b>Mod. 1</b>	0	0	275,580	13,795
<b>Mod. 2</b>	0	0	<b>1,818,980</b>	90,935
Mod. 3	0	0	<b>272,000</b>	<b>13,600</b>
<b>Mod. 4</b>	0	0	17,100	855
Mod. 5	0	0	<b>80,500</b>	4,045
<b>Mod. 6</b>	0	0	112,240	5,640
<b>Mod. 7</b>	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
<b>Mod. 10</b>	0	0	114,290	5,710
<b>Mod. 11</b>	0	0	28,575	1,425
<b>Mod. 12</b>	0	0	9,500	500
<b>Mod. 13</b>	0	0	380,332	<b>19,668</b>
<b>Mod. 14</b>	0	0	38,000	2,000
Mod. 15	0	0	38,118	
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	<b>2,401</b>
<b>Mod. 19</b>	0	0	38,095	
<b>Mod. 20</b>	0	0	9,500	500
<b>Mod. 21</b>	0	0	24,759	1,241
<b>Mod. 22</b>	0	0	33,391	1,669
<b>Mod. 23</b>	0	0	28,572	<b>1,428</b>
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0		
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2,988
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$5,126,474</b>	<b>\$256,764</b>

**Block 12. Accounting and Appropriation Data**

PR: AH.1081; R24461; 29790000100; \$16,206 (Task 13) (Complete)

PR: AH.1081; R26722; 29780000100; \$14,272 (Task 13) (complete)

PR: AH.1083; R26722; 29780000100; \$1 1,000 (Task 17) (Complete)

P R AH.1082; R26722; 29780000 100; \$21,300 (Task 19) (Complete)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 39	3. EFFECTIVE DATE NOV 22 2000	4. REQUISITION/PURCHASE REQ. NO. AH.1085	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23881-0001	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98

**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: AH.1085; R26722; 29780000100; \$10,000 (Task 22) (Complete)

**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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 11-22-00
(Signature of person authorized to sign)			

FILE COPY

A. Section B., B4, **Contract Funding**, is modified to increase the available cost allotment by **\$9,500** and the available fee allotment by **\$500**. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 **\$5,135,974**. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of **\$257,264** is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639



Contract Tabulation  
Continued

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2988
Mod. 39	0	0	<u>9,500</u>	<u>500</u>
Totals	\$13,920,006	\$696,000	\$5,135,974	\$257,264

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1      3
2. AMENDMENT/MODIFICATION NO. 40		3. EFFECTIVE DATE <b>DEC 13 2000</b>		4. REQUISITION/PURCHASE REQ. NO. AH.1089
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)				
The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry				
9A. AMENDMENT OF SOLICITATION NO.		<input checked="" type="checkbox"/>		
9B. DATED (SEE ITEM 11)				
10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050		<input checked="" type="checkbox"/>		
10B. DATED (SEE ITEM 13) 11/19/98				
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)**

PR: AH.1089; R26945; 47876000100; \$110,000 (Task 20) (Complete)

**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 X is not 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 incrementally fund the contract in the amount of \$110,000 as follows:

(Continued)

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) Sharyn Hilstrom	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)	16C. DATE SIGNED 12-13-00
(Signature of person authorized to sign)			

FILE COPY

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$104,762 and the available fee allotment by \$5,238. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,240,736. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$262,502 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2988
Mod. 39	0	0	9,500	500
Mod. 40	0	0	<u>104,762</u>	<u>5,238</u>
Totals	\$13,920,000	\$696,000	\$5,240,736	\$262,502

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE  
PAGE OF PAGES  
1 3

2. AMENDMENT/MODIFICATION NO. 41  
3. EFFECTIVE DATE  
4. REQUISITION/PURCHASE REQ. NO. AH.1092  
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE DEC 14 2000  
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)

The Aerospace Corporation  
2350 E. El Segundo Boulevard  
El Segundo, CA 90245-4691  
C/O 1000 Wilson Boulevard, Suite 2600  
Arlington VA 22209-3988

Attn: Mr. John R. Harry

CODE FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-99050

X

10B. DATED (SEE ITEM 13)

11/19/98

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)

PR: AH.1092; R24481; 29790000100; \$50,000; R26722; 297800000100; \$51,522 (Task 13) (Complete)

**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 incrementally fund the contract in the amount of \$101,522 as follows:

(Continued)

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)  
Sharyn Hilstrom

15B. CONTRACTOR/OFFEROR  
15C. DATE SIGNED  
158. UNITED STATES OF AMERICA  
16C. DATE SIGNED  
BY Sharyn Hilstrom 12-14-00  
(Signature of person authorized to sign) (Signature of Contracting Officer)

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$97,151 and the available fee allotment by \$4,371. As a result thereof, paragraphs (a) and (b) of B.4 are restated as Mows:

(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 \$5,337,887. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$266,873 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0		13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	value		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2988
Mod. 39	0	0	9,500	500
Mod. 40	0	0	104,762	5,238
Mod. 41	0	0	<u>97,151</u>	<u>4,371</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$5,337,887</b>	<b>\$266,873</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 42	3. EFFECTIVE DATE <b>DEC 21 2000</b>	4. REQUISITION/PURCHASE REQ. NO. OBB.1135	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98

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 6 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: OBB.1135; R27427; 78441000100; \$10,000; (Task 24) (Complete)

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 incrementally fund the contract in the amount of \$10,000 as follows:

(Continued)

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) Sharyn Hilstrom
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <i>Sharyn Hilstrom</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 12-21-00

FILE COPY



A. Section B., B4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$5,347,387. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$267,373 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
<b>Mod. 2</b>	0	0	1,818,980	<b>90,935</b>
Mod. 3	0	0	272,000	<b>13,600</b>
<b>Mod. 4</b>	0	0	17,100	855
<b>Mod. 5</b>	0	0	<b>80,500</b>	<b>4,045</b>
<b>Mod. 6</b>	0	0	112,240	5,640
<b>Mod. 7</b>	0	0	125,690	6,310
<b>Mod. 8</b>	0	0	285,500	<b>14,500</b>
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
<b>Mod. 14</b>	0	0	<b>38,000</b>	<b>2,000</b>
<b>Mod. 15</b>	0	0	38,118	<b>1,882</b>
<b>Mod. 16</b>	0	0	8,008	0
<b>Mod. 17</b>	0	0	237,490	<b>11,382</b>
<b>Mod. 18</b>	0	0	48,199	<b>2,401</b>
Mod. 19	0	0	<b>38,095</b>	<b>1,905</b>
<b>Mod. 20</b>	0	0	9,500	<b>500</b>
<b>Mod. 21</b>	0	0	24,759	<b>1,241</b>
<b>Mod. 22</b>	0	0	<b>33,391</b>	<b>1,669</b>
Mod. 23	0	0	28,572	<b>1,428</b>
Mod. 24	0	0	632,777	<b>31,639</b>

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	4 7 m	2,500
Mod. 28	0	0	71,316	3,616.
Mod. 29	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2,988
Mod. 39	0	0	9,500	500
Mod. 40	0	0	104,762	5,238
Mod. 41	0	0	97,151	4,371
Mod. 42	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$5,347,387	\$267,373

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 43	3. EFFECTIVE DATE DEC 28 2000	4. REQUISITION/PURCHASE REQ. NO. OBB.1138	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/00
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)**

PR: OBB.1138; R23499; 21010000100; \$51,955; (Task 11) (Complete)

**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 incrementally fund the contract in the amount of \$51,955 as follows:

(Continued)

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) Shatyn Hilstrom
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <i>Shatyn Hilstrom</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 12-28-00

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available **cost allotment** by **\$49,481** and the available fee allotment by **\$2,474**. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 **\$5,396,868**. This allotment is for the performance of work in accordance with the **limitations and completion dates as set forth in task orders** authorized by the Contracting Officer.

— (b) An additional amount of **\$269,847** is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1	0	0	275,580	13,795
Mod. 2	0	0	1,818,980	90,935
Mod. 3	0	0	272,000	13,600
Mod. 4	0	0	17,100	855
Mod. 5	0	0	80,500	4,045
Mod. 6	0	0	112,240	5,640
Mod. 7	0	0	125,690	6,310
Mod. 8	0	0	285,500	14,500
Mod. 9	0	0	9,525	475
Mod. 10	0	0	114,290	5,710
Mod. 11	0	0	28,575	1,425
Mod. 12	0	0	9,500	500
Mod. 13	0	0	380,332	19,668
Mod. 14	0	0	38,000	2,000
Mod. 15	0	0	38,118	1,882
Mod. 16	0	0	8,008	0
Mod. 17	0	0	237,490	11,382
Mod. 18	0	0	48,199	2,401
Mod. 19	0	0	38,095	1,905
Mod. 20	0	0	9,500	500
Mod. 21	0	0	24,759	1,241
Mod. 22	0	0	33,391	1,669
Mod. 23	0	0	28,572	1,428
Mod. 24	0	0	632,777	31,639

Contract Tabulation  
Continued

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Mod. 25	0	0	9,500	500
Mod. 26	0	0	(38,858)	(2,045)
Mod. 27	0	0	47,500	2,500
Mod. 28	0	0	71,316	3,616
Mod. 29 -	0	0	47,500	500
Mod. 30	0	0	9,500	500
Mod. 31	0	0	10,952	548
Mod. 32	0	0	190,477	9,523
Mod. 33	0	0	38,095	1,905
Mod. 34	0	0	61,891	3,094
Mod. 35	0	0	(162,600)	(8,130)
Mod. 36	0	0	9,500	500
Mod. 37	0	0	9,500	500
Mod. 38	0	0	59,790	2,988
Mod. 39	0	0	9,500	500
Mod. 40	0	0	104,762	5,238
Mod. 41	0	0	97,151	4,371
Mod. 42	0	0	9,500	500
Mod. 43	0	0	<u>49,481</u>	<u>2,474</u>
Totals	\$13,920,000	\$696,000	\$5,396,868	\$269,847

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. <b>44</b>	3. EFFECTIVE DATE <b>1-12-01</b>	4. REQUISITION/PURCHASE REQ. NO.	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)  The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988  Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS1-99050</b>	
			10B. DATED (SEE ITEM 13) <b>11/19/98</b>	
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)**

**PR: OBB.1148; R27427; \$63,388; (Task 24) (Complete) PR: AH.1094; R26722; \$70,627; (Task 22) (Complete)**

**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)

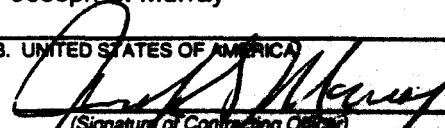
**E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

purpose of this modification is to incrementally fund the contract in the amount of \$134,015 as follows:

(Continued)

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) <b>Joseph S. Murray</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED January 12, 2001
(Signature of person authorized to sign)			

**FILE COPY**

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$127,681 and the available fee allotment by \$6,334. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 **\$5,524,549**. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$273,181 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1 thru 43	0	0	5,301,628	265,087
Mod 44	0	0	<u>127,681</u>	<u>6,334</u>
Totals	\$13,920,000	\$696,000	5,524,549	276,181

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 45	3. EFFECTIVE DATE 1-30-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988 Attn: Mr. John R. Harry			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
				10B. DATED (SEE ITEM 13) 11/19/98	
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)**

PR: PR: AH.1098; R26722; \$18,945; (Task 19) (Complete)

**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 data, 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.

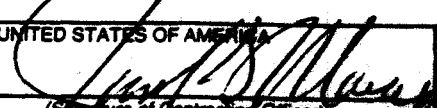
**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

Correction: Modification 44 Contract Funding, paragraph (b), the fee amount "\$273, 181" should have read "\$276.181".

The purpose of this modification is to incrementally fund the contract in the amount of \$18,945 as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED January 30, 2001
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

NSN 7540-01-152-9070  
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

**FILE COPY**



A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$18,043 and the available fee allotment by \$902. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$5,542,592. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$277,083 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1 thru 44	0	0	5,429,309	271,421
Mod 45	0	0	<u>18,043</u>	<u>902</u>
Totals	\$13,920,000	\$696,000	5,542,592	277,083

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE  
PAGE OF PAGES  
1 2

2. AMENDMENT/MODIFICATION NO. 46  
3. EFFECTIVE DATE 2-16-01  
4. REQUISITION/PURCHASE REQ. NO.  
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)  
The Aerospace Corporation  
2350 E. El Segundo Boulevard  
El Segundo, CA 90245-4691  
C/O 1000 Wilson Boulevard, Suite 2600  
Arlington VA 22209-3988  
Attn: Mr. John R. Harry  
9A. AMENDMENT OF SOLICITATION NO.  
9B. DATED (SEE ITEM 11)  
10A. MODIFICATION OF CONTRACT/ORDER NO.  
NAS1-99050  
10B. DATED (SEE ITEM 13)  
11/19/98  
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)  
PR: AH.1099; JO:R26722; \$18455; Task 13; Complete--PR: AH.1101; JO:R26722; \$16,363; Task 16; Complete--PR:AH.1102; JO: R27704; \$10,000 Task 25 (Complete)

**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 incrementally fund the contract in the amount of \$44,817 as follows:

(Continued)

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)  
Joseph S. Murray  
15B. CONTRACTOR/OFFEROR  
15C. DATE SIGNED  
16B. UNITED STATES OF AMERICA  
BY  16C. DATE SIGNED  
February 16, 2001  
(Signature of person authorized to sign) (Signature of Contracting Officer)

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$42,803 and the available fee allotment by \$2,014. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$5,585,395. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$279,097 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Contract Award	\$13,920,000	\$696,000	\$95,240	\$4,760
Mod. 1 thru 45	0	0	5,447,352	272,323
Mod 46	0	0	42,803	2,014
Totals	\$13,920,000	\$696,000	5,585,395	279,097

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 47	3. EFFECTIVE DATE 3-8-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691 C/O 1000 Wilson Boulevard, Suite 2600 Arlington VA 22209-3988 Attn: Mr. John R. Harry		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		9B. DATED (SEE ITEM 11)		
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
		10B. DATED (SEE ITEM 13) 11/19/98		

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF \_\_\_\_\_ ATIONS**

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)**

PR: AH.1103; JO:R26722; \$61267; Task 21-1; Complete--PR: AH.1105; JO:R26722; \$412/JO R27704 \$105,000; Task 25-1; Complete--PR:0861161; JO: R27707; \$114,812 Task 27 (Complete)

**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 data, 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)

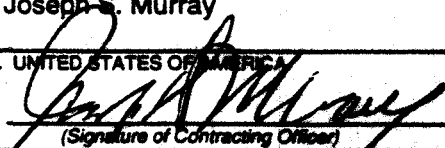
**E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

The purpose of this modification is to incrementally fund the contract in the amount of \$44,817 as follows:

(Continued)

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)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	18B. UNITED STATES OF AMERICA BY 	18C. DATE SIGNED March 8, 2001
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

**FILE COPY**

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$268,134 and the available fee allotment by \$13,357. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$5,853,529. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$292,454 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 46	\$13,920,000	\$696,000	5,585,395	279,097
Mod 47	0	0	268,134	13,357
Totals	\$13,920,000	\$696,000	\$5,853,529	\$292,454

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<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 48		3. EFFECTIVE DATE 3-20-01		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001		7. ADMINISTERED BY (If other than Item 6)		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
				10B. DATED (SEE ITEM 13) 11/19/98	
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)  
 PR: AH.1112; JO:R26722; \$30,785; Task 10-4; Complete--PR: AH.1113; JO:R26722; \$45,298; Task 22-2; Complete  
 PR: AH.1114; JO: R27800; \$100,000 Task 26; Complete

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

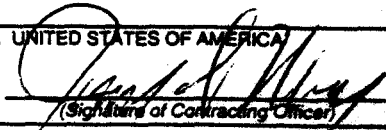
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE (such as changes in budget office, appropriation data, etc.) SET FORTH 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 incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED March 20, 2001

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$167,698 and the available fee allotment by \$8,385. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$6,021,227. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$300,839 is obligated under this contract for payment of fee.

B, All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 46	\$13,920,000	\$696,000	5,853,529	292,454
Mod 48	0	0	167,698	8385
Totals	\$13,920,000	\$696,000	\$6,021,227	\$300,839

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. <b>49</b>		3. EFFECTIVE DATE <b>5-1-01</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY <b>National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001</b>		7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) <b>The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691</b>	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS1-99050</b>
		10B. DATED (SEE ITEM 13) <b>11/19/98</b>

**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)  
 PR: AH.1117; JO: R26722; \$17,421; Task 3-8; \$1,426 Task 5-3; \$1,232 Task 7-3 Total \$20,079 Complete (Noted \$147 over PR funds)  
 PR: OBB.1172; JO: R24161; \$9,651 Task 27; Complete

**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 data, 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)

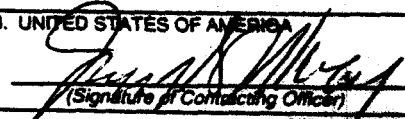
**E. IMPORTANT: Contractor X is not required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

The purpose of this modification is to incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Joseph S. Murray</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	18B. UNITED STATES OF AMERICA BY 	18C. DATE SIGNED <b>May 1, 2001</b>

FILE COPY



A. Section B., B.4, Contract Funding is **modified** to increase the available cost allotment by \$28,218 and the available fee allotment by \$1,412. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 **\$6,049,445**. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of **\$302,251** is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 48	\$13,920,000	\$696,000	6,021,227	300,839
Mod 49	0	0	<u>28,218</u>	<u>1,412</u>
Totals	\$13,920,000	\$696,000	\$6,049,445	\$302,251

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 50	3. EFFECTIVE DATE 5-18-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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)**

PR: AH.1122; JO:R26722; \$5,000; Task 16-Mod 4; Complete

**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)

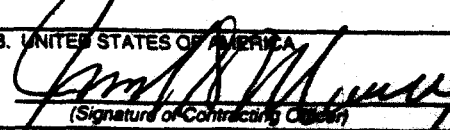
**E. IMPORTANT:** Contractor X is not, is required to sign this document and return \_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED May 18, 2001

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**

A. Section B., 8.4, Contract Funding, is modified to increase the available cost allotment by \$4,762 and the available fee allotment by \$238. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$6,054,207. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$302,489 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 49	\$13,920,000	\$696,000	6,049,445	302,251
Mod 50	0	0	<u>4,762</u>	<u>238</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$6,054,207</b>	<b>\$302,489</b>

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 51	3. EFFECTIVE DATE 7-11-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: AH.1134; JO:R26722; \$10,000; Task 23; Complete

**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)

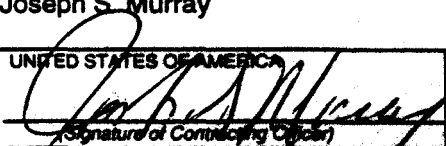
E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED July 11, 2001
(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

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,063,707. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$302,989 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 49	\$13,920,000	\$696,000	6,054,207	302,489
Mod 50	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$6,063,707	\$302,989

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 52	3. EFFECTIVE DATE AUG 17 2001	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE		9B. DATED (SEE ITEM 11)		
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
		10B. DATED (SEE ITEM 13)		11/19/98

Offers  is extended.  is not extended.

**THE PLACE DESIGNATED**  
virtue of this amendment

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: AH.1023; JO:R24461; \$(37,500); Task 2-6; Complete PR: AH.1024; JO:R24461; \$(16,500); Task 6-6; Complete PR: AH.1022; JO:R24461; \$(5,500); Task 8-6; Complete PR: AH.1060; JO:R24461; \$(5,500); Task 9-2; Complete PR: AH.1066; JO:R24461; \$(750); Task 17-3; Complete PR: AH.1053; JO:R24461; \$(450); Task 18-1; Complete Total all PRs \$(66,200)

**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) Bilateral-Contract Funding (11852.232-81) (JUN 1990)

**E. IMPORTANT:** Contractor is not 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 de-obligate incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Marie D. Smith Manager, Civil & Commercial Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER Joseph S. Murray	
15B. CONTRACTOR/OFFEROR Marie Smith (Signature of person authorized to sign)	15C. DATE SIGNED 8/14/2001	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 8-17-01

A. Section B, B.4, Contract Funding, is modified to decrease the available cost allotment by \$(63,048) and the available fee allotment by \$(3,152). As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,000,659. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$299,837 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 51	\$13,920,000	\$696,000	6,063,707	302,989
Mod 52	0	0	<u>-63,048</u>	<u>-3,152</u>
Totals	\$13,920,000	\$696,000	\$6,000,659	\$299,837

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 53	3. EFFECTIVE DATE 8-13-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: OBB.1189; JC \$10,000; Task 28; Complete

**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)

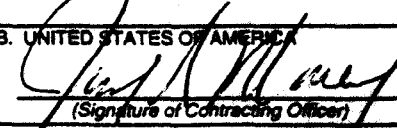
**E. IMPORTANT:** Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The purpose of this modification is to incrementally fund as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray
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 August 13, 2001

FILE COPY



A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$9,500 and the available fee allotment by \$500. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$6,010,159. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$300,337 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

**Contract Tabulation**

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 52	\$13,920,000	\$696,000	6,000,659	299,837
Mod 53	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$6,010,159	\$300,337

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 54	3. EFFECTIVE DATE 8-30-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 11/19/98

**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)  
PR: OBB.1194; JO:R25103; \$62,430; Task 28, Mod 1; Complete

**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)

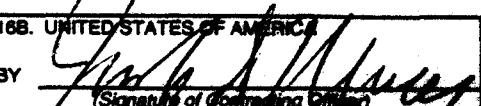
**E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

The purpose of this modification is to incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED August 30, 2001
(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**

A. Section B., B.4, Contract Funding, is ~~modified~~ to increase the available cost allotment by \$49,957 and the available fee allotment by \$2,473. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,060,116. This allotment is for the performance of work in accordance with the limitations and completion dates set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$302,810 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Est Cost</u>	value	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Funding</u>
					<u>Fixed Fee</u>
Award-Mod 53	\$13,920,000		\$696,000	6,010,159	300,337
Mod 54	0		0	49,957	2,473
Totals	\$13,920,000		\$696,000	\$6,060,116	\$302,810

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 55	3. EFFECTIVE DATE 9-13-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98

**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 9 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)**

PR: OBB.1199; JO:R27534; \$100,828; Task 28, Mod 1; Complete (Also See Block 14 Below)

**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)

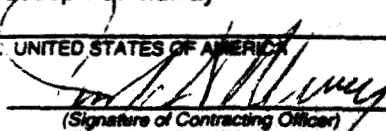
**E. IMPORTANT:** Contractor X is not required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

This mod corrects the task number in block 12 of mod 54 from "Task 28 Mod 1" to read "Task 23 Mod 1". The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED September 13, 2001
(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

A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$96,050 and the available fee allotment by \$4,778. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,156,166. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$307,588 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 54	\$13,920,000	\$696,000	6,060,116	302,810
Mod 55	0	0	96,050	4,778
Totals	\$13,920,000	\$696,000	\$6,156,166	\$307,588

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 56	3. EFFECTIVE DATE 12-3-01	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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)  
PR: OBB.1207; JO:R23499; \$89,000; Task 11-Mod 7; PR: OBB.1209; JO: R25103; \$10,000; Task 31; PR: AH1143; JO: R28528; \$45,907; Task 30.

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

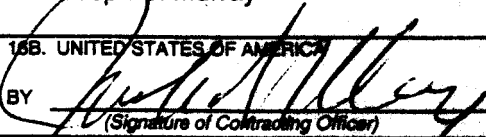
(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET 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 modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED December 3, 2001

A. Section B, B.4, Contract Funding, is modified to increase the available cost allotment by \$137,983 and the available fee allotment by \$6,924. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,294,149. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$314,512 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 55	\$13,920,000	\$696,000	6,156,166	307,588
Mod 56	0	0	137,983	6,924
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$6,294,149</b>	<b>\$314,512</b>

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. <b>57</b>	3. EFFECTIVE DATE <b>12-17-01</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY <b>National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-0001</b>		7. ADMINISTERED BY (if other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) <b>The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691</b>	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS1-99050</b>
		10B. DATED (SEE ITEM 13) <b>11/19/98</b>

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)  
PR: AH.1147; JO:R28877; \$10,000; Task 32

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)

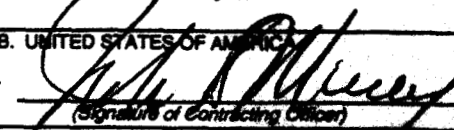
E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Contracted by ICF Martin Marietta)

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) <b>Joseph S. Murray</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED <b>December 17, 2001</b>
(Signature of person authorized to sign)		(Signature of Contracting Officer)	



A. Section B., B.4, Contract Funding, is modified to increase the available cost allotment by \$137,983 and the available fee allotment by \$6,924. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,303,649. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$315,012 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 56	\$13,920,000	\$696,000	6,294,149	314,512
Mod 57	0	0	9,500	500
Totals	\$13,920,000	\$696,000	\$6,303,649	\$315,012

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE  
 2. AMENDMENT/MODIFICATION NO. **58**  
 3. EFFECTIVE DATE **1-24-02**  
 4. REQUISITION/PURCHASE REQ. NO.  
 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)  
**The Aerospace Corporation  
 Attn: Marie Smith  
 2350 E. El Segundo Boulevard  
 El Segundo, CA 90245-4691**  
 9A. AMENDMENT OF SOLICITATION NO.  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO.  
**NAS1-99050**  
 10B. DATED (SEE ITEM 13)  
**11/19/98**

**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)  
 PR: AH.1149; JO:R28877; \$39,965; Task 32-- PR: OBB.1220; JO:R22675; \$10,000; Task 33-- PR: AH.1150; JO:R28528; \$10,000; Task 34 ALL COMPLETE

**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 data, 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 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.)  
**This modification corrects the Modification 57, paragraph A, increase amount from "\$137,983" and "8,924" to "\$9,500" and "\$500" respectively. No other amounts are impacted by this correction. The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:**

(Continued)

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)  
**Joseph S. Murray**  
 15B. CONTRACTOR/OFFEROR  
 15C. DATE SIGNED  
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
**Joseph S. Murray**  
 16B. UNITED STATES OF AMERICA  
 BY   
 (Signature of Contracting Officer)  
 16C. DATE SIGNED  
**January 24, 2002**

A. Section B., B.4, Contract Funding, is modified to increase the available cast and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs fa) and (b) of 8.4 are restated as follows:

(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 \$6,360,754. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$317,892 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 57	\$13,920,000	\$696,000	6,303,649	315,012
Mod 58	0	0	<u>57,105</u>	<u>2,880</u>
Totals	\$13,920,000	\$696,000	\$6,360,754	\$317,892

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 59	3. EFFECTIVE DATE FEB 27 2002	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		90. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 11/19/98

**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 74.**

(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 data, 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) FAR 43.103 (a), (3), Agreement of the Parties

**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 the requirement to perform classified work as may be specified in individual Task Assignments issued under this contract. The applicable contract clauses and documentation are added as specified herein. Accordingly, the contract is revised as follows:

(Continued)

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) Marie D. Smith, Manager Civil & Commercial Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR Marie Smith (Signature of person authorized to sign)	15C. DATE SIGNED 21 Feb. 2002	16B. UNITED STATES OF AMERICA BY [Signature] (Signature of Contracting Officer)	16C. DATE SIGNED 2-27-02

NSN 7540-01-182-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA  
FAR (48 CFR) 53.243

FILE COPY

**I. CONTRACT CLAUSES** The following contracts clauses are add by reference:

52.204-2 -- Security Requirements (August 1996)  
852.204-75 Security Classification Requirements. (September 1989)  
(Insert: Top Secret and Modification 59, Attachment 1)

**II. Attachment 1: DD Form 254, Department of Defense Contract Security Classification Specification dated February 14, 2002**

**B. All other terms and conditions remain unchanged.**

**Contract Tabulation**

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 58	\$13,920,000	\$696,000	6,360,754	317,892
Mod 59	0	0	0	0
Totals	\$13,920,000	\$696,000	\$6,360,754	\$317,892

**DEPARTMENT OF DEFENSE  
CONTRACT SECURITY CLASSIFICATION  
SPECIFICATION**

*(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)*

**CLEARANCE AND SAFEGUARDING**

A. Facility Clearance Required

**TOP SECRET**

B. Level Of Safeguarding Required

**TOP SECRET**

**2. THIS SPECIFICATION IS FOR: (X and complete as applicable)**

**3. THIS SPECIFICATION IS: (X and complete as applicable)**

<input checked="" type="checkbox"/>	A. PRIME CONTRACT NUMBER <b>NAS1-99050</b>		A. ORIGINAL (Complete Date In All Cases) Date (YYMMDD) <b>98/11/09</b>
	B. SUBCONTRACT NUMBER	<input checked="" type="checkbox"/>	B. REVISED (Supersedes all previous specs) Revision No. Date (YYMMDD) <b>MODIFICATION</b> <b>02/02/14</b>
	C. SOLICITATION OR OTHER NUMBER		C. FINAL (Complete Item 5 In All Cases) Date (YYMMDD)
	Due 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 254?**  YES  NO. If Yes, complete the following:  
In response to the contractor's request dated N/A retention of the classified material is authorized for the period N/A

**6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)**

A. Name, Address, And Zip Code <b>THE AEROSPACE CORPORATION 2350 EAST EL SEGUNDO BLVD. EL SEGUNDO, CA 90245</b>	B. Cage Code <b>12782</b>	C. Cognizant Security Office (Name, Address, And Zip Code) <b>DEFENSE SECURITY SERVICES 1 WORLD TRADE CENTER SUITE 622 LONG BEACH, CA 90831-0622</b>
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**7. SUBCONTRACTOR**

A. Name, Address, And Zip Code <b>N/A</b>	B. Cage Code <b>N/A</b>	C. Cognizant Security Office (Name, Address, And Zip Code) <b>N/A</b>
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**8. ACTUAL PERFORMANCE**

A. Location <b>SEE BLOCK 13</b>	B. Cage Code	C. Cognizant Security Office (Name, Address, And Zip Code)
------------------------------------	--------------	--

**9. GENERAL DESCRIPTION OF THIS PROCUREMENT:**  
**RESEARCH AND DEVELOPMENT OF TECH ( ) FOR ICED ( ) AND  
SUPPORT TO NASA FOR T ANS INFORMATIONAL COMMUNICATIONS STUDY**

10. CONTRACTOR 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) <b>N/A</b>					

12. **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 unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval

to  Direct  Through (Specify)

"NASA LANGLEY RESEARCH CENTER, M/S 126, HAMPTON, VA 23681-2199"  
ATTN: Joe Murray, 757-864-2415

To the Office of Public Affairs, National Aeronautics and Space Administration, Washington, DC 20546, for review.  
\*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. **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.)

**REFERENCE BLOCK 10E(1,2)**

**ACTUAL PERFORMANCE SHALL OCCUR AT THE FOLLOWING LOCATIONS OR OTHER FACILITIES AS NECESSARY:**

**(NOTE: ACCESS TO SENSITIVE COMPARTMENTED INFORMATION (SCI) AND SCI FACILITIES SHALL BE NECESSARY FOR CONTRACTOR PERFORMANCE.)**

(1) **THE AEROSPACE CORPORATION**  
**2350 EAST EL SEGUNDO BLD.**  
**EL SEGUNDO, CA 90245**

(2) **NATIONAL SECURITY SPACE ARCHITECTURE (NSSA) - GOVERNMENT FACILITY**  
**FAIRFAX, VA**

(3) **THE AEROSPACE CORPORATION, 15049 CONFERENCE CENTER DR, CHANTILLY, VA 20151**

14. **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

**CONTRACTOR SHALL COMPLY WITH ACCESS AND ENTRY REQUIREMENTS FOR SENSITIVE COMPARTMENTED INFORMATION (SCI) AND SCI FACILITIES AS ESTABLISHED BY SPONSORING EXECUTIVE BRANCH AGENCIES. CONSULT RESPONSIBLE SPECIAL SECURITY OFFICER (SSO). (see attached continuation sheet)**

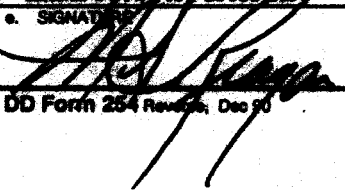
15. **INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)  Yes  No

**CONTRACTOR SHALL BE SUBJECT TO EXECUTIVE BRANCH AGENCY OVERSIGHT INSPECTIONS FOR COMPARTMENTED OPERATIONS AS APPLICABLE TO FACILITIES VISITED.**

16. **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.

a. TYPED NAME OF CERTIFYING OFFICIAL <b>MICHAEL E. REAGAN</b>	b. TITLE <b>Security Specialist</b>	c. TELEPHONE (Include Area Code) <b>757-864-9470</b>
--	--	---

d. ADDRESS (Include Zip Code) <b>NASA LANGLEY RESEARCH CENTER</b> <b>M/S 126, ATTN: MICHAEL REAGAN</b> <b>HAMPTON, VA 23681-2199</b>	17. <b>REQUIRED DISTRIBUTION</b> <input checked="" type="checkbox"/> A. Contractor <input type="checkbox"/> B. Subcontractor <input checked="" type="checkbox"/> C. Cognizant Security Office For Prime And Subcontractor <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
---	---

e. SIGNATURE  
 02/14/00

**CONTINUATION BLOCK 14 OF DD FORM 254, CONTRACT NAS1-99050**

**SCI data furnished to or generated by the contractor will require security handling controls beyond the National Industrial Security Program. Contractor may request supplemental security instructions through supporting government user agency or managing Special Security Officer.**

**All SCI material released to the contractor under this specification will be handled and safeguarded only in approved SCIFacilities.**

**Security classification guidance shall be provided by user agency program manager. All classified information received or generated as a result of this contract remains the property of the U.S. government.**



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 60	3. EFFECTIVE DATE 2-13-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
			10B. DATED (SEE ITEM 13) 11/19/98	
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)**

PR: PR: OBB.1235; JO:R22413; \$10,000; Task 35-- PR: OBB.1228; JO:R26985; \$112,257.00; Task 31 ALL COMPLETE

**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 data, 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)

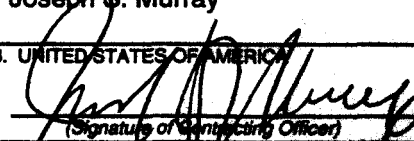
**E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED February 13, 2002
(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

A. Section B., B4, Contract Funding, is modified to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of 8.4 are restated as follows:

(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 \$6,477,189. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$323,714 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 59	\$13,920,000	\$696,000	6,360,754	317,892
Mod 60	0	0	116,435	5,822
Totals	\$13,920,000	\$696,000	\$6,477,189	\$323,714

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 61	3. EFFECTIVE DATE 2-20-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
		X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
			10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: PR: OBB.1243; JO:R23499; \$63,320; Task 11-- COMPLETE

**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 data, 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 modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED February 20, 2002
(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

A. Section B., B.4, Contract Funding, is ~~modified~~ to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$6,556,541. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$327,682 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 60	\$13,920,000	\$696,000	6,477,189	323,714
Mod 61	0	0	<u>79,352</u>	<u>3968</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$6,556,541</b>	<b>\$327,682</b>

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. 62		3. EFFECTIVE DATE 3-7-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98

**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)  
PR: OBB.1245; JO:R22675; \$100,000; Task 33-- PR: AH.1157; JO:R29057; \$683,237; Task 36-- PR: AH.1158; JO:R29058; \$190,729; Task 37  
PR: OBB.1248; JO:R29040; \$10,000, Task 38 ALL COMPLETE

**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)

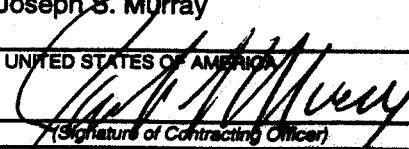
**E. IMPORTANT:** Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED March 7, 2002

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$7,493,628. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$374,561 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 61	\$13,920,000	\$696,000	6,556,541	327,682
Mod 62	0	0	<u>937,087</u>	<u>46,879</u>
Totals	\$13,920,000	\$696,000	\$7,493,628	\$374,561

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. 63	3. EFFECTIVE DATE 3-18-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/10/02

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)  
PR: OBB.1252; JO:R29021; \$55,961; Task 35 Mod 1-- PR: AH.1161; JO:R29069; \$10,000; Task 39-- ALL COMPLETE

**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)

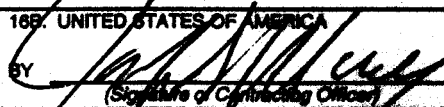
E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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)	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joseph S) Murray
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 March 18, 2002

**FILE COPY**

A. Section B, B.4, Contract Funding, is ~~modified~~ to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$7,556,448. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting officer.

(b) An additional amount of \$377,702 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 62	\$13,920,000	\$696,000	7,493,628	374,561
Mod63	0	0	<u>62,820</u>	<u>3,141</u>
<b>Totals</b>	<b>\$13,920,000</b>	<b>\$696,000</b>	<b>\$7,556,448</b>	<b>\$377,702</b>



**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1 2

2. AMENDMENT/MODIFICATION NO.

64

3. EFFECTIVE DATE

3-29-02

4. REQUISITION/PURCHASE REQ. NO.

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)

The Aerospace Corporation  
Attn: Marie Smith  
2350 E. El Segundo Boulevard  
El Segundo, CA 90245-4691

(x)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NAS1-99050

10B. DATED (SEE ITEM 13)

11/19/98

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)

PR: OBB.1255; JO:R22575; \$110,152; Task 33 Mod 2- COMPLETE

**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 data, 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 modification also provides, incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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)

Joseph S. Murray

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)

March 29, 2002

NSN 7540-01-152-9070

30-105

STANDARD FORM 30 (Rev. 10-83)

PREVIOUS EDITION UNUSABLE

Prescribed by GSA  
FAR (48 CFR) 53.243

FILE COPY

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 65	3. EFFECTIVE DATE 4-10-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER No. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)  
PR: OBB.1258; JO:R27427, \$7,583; JO: R28019 \$2407 Task 41- COMPLETE

**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)

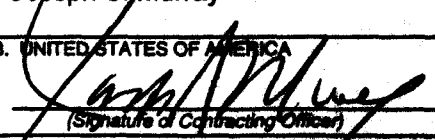
**E. IMPORTANT:** Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray
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 April 10, 2002

**FILE COPY**

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 66	3. EFFECTIVE DATE 4-19-02	4. REQUISITION/PURCHASE REQ. NO.		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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
			X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050	
CODE				10B. DATED (SEE ITEM 13) 11/19/98	
FACILITY CODE					

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 9 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)

PR: AH.1165; JO:R29069; \$100,000; Task 39- COMPLETE PR: OBB.1261; JO:R29021; \$4,600; Task 35- COMPLETE

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)

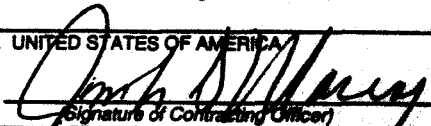
**E. IMPORTANT:** Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED April 19, 2002

NSN 7540-01-152-9070  
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

FILE COPY

A. Section B., B.4, Contract Funding, is modified to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$7,770,474. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$388,428 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	value		Funding	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 65	\$13,920,000	\$696,000	7,670,855	383,447
Mod 66	0	0	99,619	4,981
Totals	\$13,920,000	\$696,000	\$7,770,474	\$388,428

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 67	3. EFFECTIVE DATE 5-10-02	4. REQUISITION/PURCHASE REQ. NO.	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) The Aerospace Corporation Attn: Marie Smith 2350 E. El Segundo Boulevard El Segundo, CA 90245-4691	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-99050
		10B. DATED (SEE ITEM 13) 11/19/98
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)**

PR: OBB.1270; JO:R23499; \$123,394; Task 11-- PR: AH.1168; JO:R28528; \$10,000; Task 40-- PR: OBB.1267; JO:R29172; \$101,408; Task 41 PR: AH.1170; JO:R29177; \$10,000, Task 42 ALL COMPLETE

**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 data, 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)

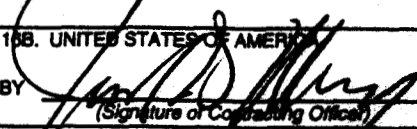
**E. IMPORTANT: Contractor X is not, is required to sign this document and return \_\_\_\_\_ copies to the issuing office.**

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

The modification also provides incrementally funding as described herein. Accordingly the contract is changed as follows:

(Continued)

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) Joseph S. Murray	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED May 10, 2002
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

NSN 7540-01-152-8070  
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-63)  
Prescribed by GSA  
FAR (48 CFR) 53.243

A. Section B, B.4, Contract Funding, is modified to increase the available cost and fee funding as reflected in the Contract Tabulation Funding summary. As a result thereof, paragraphs (a) and (b) of B.4 are restated as follows:

(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 \$8,003,595. This allotment is for the performance of work in accordance with the limitations and completion dates as set forth in task orders authorized by the Contracting Officer.

(b) An additional amount of \$400,109 is obligated under this contract for payment of fee.

B. All other terms and conditions remain unchanged.

Contract Tabulation

	<u>Value</u>		<u>Funding</u>	
	<u>Est Cost</u>	<u>Fixed Fee</u>	<u>Est. Cost</u>	<u>Fixed Fee</u>
Award-Mod 66	\$13,920,000	\$696,000	7,770,474	388,428
Mod 67	0	0	<u>233,121</u>	<u>11,681</u>
Totals	\$13,920,000	\$696,000	\$8,003,595	\$400,109