

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>05</b>	PAGE OF PAGES <b>1</b>   <b>2</b>
2. AMENDMENT/MODIFICATION NO. <b>021</b>	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) <b>EXTERNAL TANK</b>		
6. ISSUED BY Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, AL 35812	CODE <b>PS42M</b>	7. ADMINISTERED BY (If other than Item 6) <b>Jocelyn G. Connelly/ACO (504) 257-3805</b>		CODE <b>PS42M</b>	
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) <b>Lockheed Martin Corporation P.O. Box 29304 New Orleans, LA 70189</b>				(X) 9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				(X) 10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NNM04AA02F</b>	
				10B. DATED (SEE ITEM 13) <b>10-27-03</b>	
CODE <b>100016</b>	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 one (1) copy 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 DATA 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 data specified.

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

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

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>Clause 52.243-2 Changes Cost Reimbursement and FAR 43.103a</b>
	D. OTHER Specify type of modification and authority)

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

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

	Provisional <u>Estimated Cost</u>	Negotiated <u>Estimated Cost</u>	<u>Contract Value</u>	<u>Amount Allotted</u>
Previous Contract Total	\$ -0-	\$ 20,252,556	\$ 20,252,556	\$ 19,599,000
This Modification	\$ -0-	\$ 1,081,208	\$ 1,081,208	\$ -0-
Revised Contract Total	\$ -0-	\$ 21,333,764	\$ 21,333,764	\$ 19,599,000

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) <b>Bradley P. Cartwright Director, Contracts and Estimating</b>		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Harry B. Craig Shuttle Team Lead</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)		BY <u>/s/ Harry B. Craig</u> (Signature of Contracting Officer)	

- I. The purpose of this modification is to incorporate the requirements of Project Change Proposal (PCP) B90417, entitled "Additional FY04 Contractor Acquired Property Requirements."
- II. Section B. Clause B.2, Paragraph (a) Space Flight, Control and Data Communications (SFC&DC), is hereby revised to increase the Negotiated Cost and Contract Value by \$1,081,208 for PCP B90417. The new totals for Negotiated Cost and Contract Value for this paragraph are shown on the attached B-1 page.
- III. Section J, Attachment J-2, Contractor Acquired Property is hereby revised to add PCP B90417, as authorized by SA 021, and to add Off Cycle Letter/ 04MI-0582, for the CO2 Blast System. The NASA CO Authorization Date on Item # A7760 (Gusmer Pumps) is also changed to 08/25/04 to reflect the execution date of Modification No. 016.
- IV. The following pages of the contract are revised as appended, and made an inseparable part hereof.  
Revised Pages  
B-1 and J-2-1
- V. This modification consists in its entirety of Standard Form 30, page 2, and the revised pages listed in paragraph IV. above.
- VI. In consideration of the modification agreed to herein as complete equitable adjustment of all claims arising out of or attributable to the issuance of the change(s) and/or contractor proposals) listed below, the contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to said contract change(s) and/or contractor proposal(s), and/or for such additional obligation as may be required by this modification.

Contract Change Identification

CCBD ET3-00-9889, Dated 08/27/04

Contract Proposal Number

PCP B90417 (04M0-0682), PCIN  
071330, Dated 08/06/04

Supplemental Agreement No. 021

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

**B.1 BRIEF DESCRIPTION OF WORK**

The Contractor shall furnish all personnel, facilities, equipment, material, supplies and services (except as may be expressly set forth in this contract as furnished by the Government) and otherwise do all things necessary to, or incident to, performing and providing the following items of work:

To facilitate the Space Shuttle External Tank Project under this consolidated facilities contract by providing Government furnished property and the acquisition of other property for use as needed as further described in Attachment J-1.

(End of clause)

**B.2 ESTIMATED COST FOR FACILITIES**

The total estimated cost for complete performance of this contract for each category is stated below. This is a cost reimbursable contract only and therefore the Government shall not pay the Contractor a fee for performing this contract.

(a) Space Flight, Control and Data Communications (SFC&DC)

	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ 9,371,556	\$ 9,371,556
This Mod	<u>\$ 1,081,208</u>	<u>\$ 1,081,208</u>
Total	\$ 10,452,764	\$ 10,452,764

(b) Construction of Facilities (CoF)

	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ 10,881,000	\$ 10,881,000
This Mod	<u>\$ -0-</u>	<u>\$ -0-</u>
Total	\$ 10,881,000	\$ 10,881,000

(c) Construction of Facilities (CoF) Environmental Studies

	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ -0-	\$ -0-
This Mod	<u>\$ -0-</u>	<u>\$ -0-</u>
Total	\$ -0-	\$ -0-

Recapitulation of Total Contract Value \$ 21,333,764

**ATTACHMENT J-2**

**CONTRACTOR ACQUIRED PROPERTY**

<b>ITEM # /QUARTERLY REPORT /LETTER # REFERENCE</b>	<b><u>SUPPLEMENTAL AGREEMENT #</u></b>	<b><u>PCP #</u></b>	<b><u>NASA CO AUTHORIZATION DATE</u></b>
A7638	002	B90409	12/12/03
4 <sup>TH</sup> Q 2003/ 03MI-1157			12/17/03
4 <sup>TH</sup> Q 2003/ 03MI-1169			12/22/03
1 <sup>ST</sup> Q 2004/ 04MI-0247			04/05/04
OFF CYCLE/ 04MI-0297			04/26/04
OFF CYCLE/ 04MI-0363			05/19/04
OFF CYCLE/ 04MI-0410			06/08/04
2 <sup>ND</sup> Q 2004/ 04MI-0512			07/07/04
A7760 (GUSMER PUMPS)	016	B81807A	08/25/04
OFF CYCLE/ 04MI-0582			08/04/04
RETURN TO FLIGHT REQUIREMENTS	021	B90417	TBD