

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. 000001	3. EFFECTIVE DATE 08/20/2012	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Stennis Space Center Office of Procurement Building 1100 Room 251H Stennis Space Center MS 39529-6000	CODE SSC	7. ADMINISTERED BY (If other than Item 6) NASA/Stennis Space Center Office of Procurement Building 1100 Room 251H Stennis Space Center MS 39529-6000	CODE SSC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. NNS12438659R	
		x 9B. DATED (SEE ITEM 11) 08/20/2012	
		10A. MODIFICATION OF CONTRACT/ORDER NO.	
		10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.			

12. ACCOUNTING AND APPROPRIATION DATA (If required)

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

CHECK ONE	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:
	D. OTHER (Specify type of modification and authority)

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

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

INCO TERMS 2: DESTINATION

The purpose of this amendment is to incorporate the following questions and answers into the subject solicitation:

Q1 - The technical specifications call for a Cast - Split Body Valve Design. As long as the valve does NOT have a Seat Retainer, is a Cast Standard Globe Valve Design acceptable? This question is based on the fact that the original specifications that were released in May, allowed for a Cast Standard Globe Valve Design, as long as there was NO Seat Retainer [Reference A3 Chemical Steam Generator (CSG) Remote Operated Liquid Oxygen (LOX) Valve Sheet].

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) Carol Burnside	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>A1 - First, the offeror is advised that the specifications referenced as being released in May should NOT be used for proposal preparation purposes, as changes to the requirement have been made since previous releases. Proposals shall be based upon the information contained in the Request for Proposal (RFP) package and any subsequent amendments. Failure to comply with the RFP requirements may result in the proposal being determined nonresponsive and excluded from further consideration. Regarding the valve design, having no technical details on the suggested Cast Standard Globe Valve Design, whether it would be considered acceptable cannot be determined at this time. The offeror is advised, however, that the current Valve Data Sheet contained in the RFP requires that the valve be split-body design and that the seat assembly not be mechanically retained in the body by a cage, seat retainer, or similar design.</p> <p>Q2 - Is the Cylinder Actuator mandatory? Would a Spring/Diaphragm Actuator for Fail Closed Action be acceptable?</p> <p>A2 - A diaphragm actuator is unacceptable. A piston/cylinder actuator is specified in the RFP because the flow direction of this valve is over-the-plug and instability is anticipated as the valve plug nears the seat. The velocities across the valve seat are expected to be high as the valve transitions from open position to closed position and a piston/cylinder actuator is required to accurately control the valve plug during this operation.</p> <p>Q3 - The RFP Valve Data Sheet indicates that a Soft Seat material of 100% PTFE or 100% PCTFE is required. Would a metallic or metal-metal seal be acceptable?</p> <p>A3 - These valves will be the main LOX valves for the CSGs. This location is very violent and a more forgiving seat arrangement is required. While alternative seat designs will initially seal, the repeated abuse from the operating environment will quickly result in a LOX leak. If there were an additional valve downstream of this one, a situation like this would not be as problematic. However, a leak at this valve location will allow LOX into the main combustion chamber and, therefore, the steam plenum proper Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>creating a significant ignition hazard. A softer seat will allow for a better seal for a longer period. Because of all these issues, the PTFE (Teflon) or PCTFE (Kel-F) seat is required and no other material will be considered acceptable. Further, all materials specified in the Valve Data Sheet were selected for specific reasons. As such, any deviation from the specified materials or other requirements must be accompanied by documentation clearly demonstrating the capability of the offeror's proposed product to perform within the environment in which these valves will be required to operate.</p> <p>Q4 - The RFP Valve Data Sheet indicates that a Soft Seat material of 100% PTFE or 100% PCTFE is required. Would a filled PTFE be acceptable? A4 - No, a PTFE filled with any amount of differing material be it carbon, fiberglass, or other is unacceptable. The material requirement for the seat is 100% PTFE or 100% PCTFE.</p> <p>B. Due to the delay in issuance of this amendment caused by Hurricane Isaac, the current offer due date of 3pm Local Time, August 31, 2012 IS extended until 3pm Local Time, September 7, 2012.</p> <p>C. As stated in block 14 of the SF30, all other terms and conditions are unchanged.</p>				