

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 00001	3. EFFECTIVE DATE 09/09/2014	4. REQUISITION/PURCHASE REQ. NO. 4200516081	5. PROJECT NO. (If applicable)	
6. ISSUED BY NASA/Goddard Space Flight Center Attn: Ashley N. McQueen, Code 210.S Greenbelt, MD 20771	CODE GSFC	7. ADMINISTERED BY (If other than Item 6) NASA/Goddard Space Flight Center Attn: Ashley N. McQueen, Code 210.S Greenbelt, MD 20771		CODE GSFC

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO. NNG140516081R
		(X)	9B. DATED (SEE ITEM 11) 08/27/2014
			10A. MODIFICATION OF CONTRACT/ORDER NO.
			10B. DATED (SEE ITEM 13)
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 1 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 your 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.
<input type="checkbox"/>	
<input 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).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

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

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

The purpose of this amendment is to correct Clause B.3 GSFC 52.11-90 Supplies and/or Services To Be Provided (MAR 2014) and Attachment B - Deliverables List as accordingly:

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)	
		Ashley N. McQueen	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		<i>Ashley N. McQueen</i> (Signature of Contracting Officer)	9-9-14

B.3 GSFC 52.211-90 Supplies and/or Services To Be Provided (MAR 2014)

The Contractor shall provide all resources (except as may be expressly stated in the contract as furnished by the Government) necessary to deliver and/or perform the items below in accordance with the Statement of Work (SOW), incorporated as Attachment A.

Hardware Deliverable Schedule

Contract Line Item No.	Description	Reference	Quantity	Delivery Date	Shipping Class
0001	Integrated Dewar System, including: a. Dewar b. Cryocooler c. Cryocooler electronics d. Pressure relief devices	Deliverables Document	1	Fourteen (14) months After Contract Award (ACA)	Class III
0002	Dewar Cart or Work Stand	Deliverables Document	1	14 months ACA	Class III
0003	Shipping Container	Deliverables Document	1	14 months ACA	Class III
0004	Spare Parts, to include at the least following: a. O-Rings b. Access Port Blank Plate c. Screws, bolts, nuts for Vacuum Jacket, Access ports, and Closeout Plates	Deliverables Document	a. 2 of each size used on the Dewar b. 1 of each size c. Spare hardware greater than or equal to 25% of actual quantity in the assembly	14 months ACA	Class III
0005	Spare Cryocooler	Deliverables Document	1	10 months ACA	Class III

Contract Data Requirements List

Contract Line Item No.	Description	Reference	Quantity	Delivery Date	Shipping Class
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0006	Structural Review Documentation: **a. Layout of the Dewar and stand **b. Assembly drawing and detail drawings of all structural elements and the tank	Deliverables Document	1 1 Set	5 Weeks ACA	Class IV*
0007	Mission Assurance Plan	Deliverables Document	1 copy	5 Weeks ACA	Class IV*
0008	Quality Manual	Deliverables Document	1 copy	5 Weeks ACA	Class IV*
0009	End Item Data Package: a. Assembly drawing and parts list of the dewar and workstand b. As-built version of 0006 b c. Detail drawings of access plates d. Design report (BPVC compliance or AIAA S-080 compliance)	Deliverables Document	1 1 1 1	14 Months ACA	Class IV*
0010	Test Plans	Deliverables Document	A/R	11Months ACA	
0011	Test Reports	Deliverables Document	A/R (e.g. thermal, leak, pressure, NDE)	13 Months ACA	
0012	Material Certifications	SSCO-RQMT-000008	A/R	13 Months ACA	
0013	Certificate of Conformance	SSCO-RQMT-000008	1	14 Months ACA	
0014	Report of any re-work or repair that was performed to meet the requirements of the specification	SSCO-RQMT-000008	1	14 Months ACA	

0015	Safety Data Package	SSCO-RQMT-000008	1	11Months ACA	
0016	Polymeric Materials and Organic Composites Usage List	SSCO-RQMT-000008	1	11Months ACA	
0017	Inorganic Materials and Inorganic Composites Usage List	SSCO-RQMT-000008	1	11Months ACA	
0018	Monthly telecon to discuss progress, status, and problems with Dewar	Deliverables Document	All	To Be Determined	
0019	Contract Kick-off Review	Deliverables Document	1	2 Weeks ACA	
0020	Preliminary Design Review	Deliverables Document	1	3 Months ACA	
0021	Critical Design Review	Deliverables Document	1	5 Months ACA	
0022	Pre-Test Review	Deliverables Document	1	12 Months ACA	
0023	Pre-Ship Review	Deliverables	1	14 Months ACA	
0024	Small Business Subcontracting Plan and Reporting	I.78 1852.219-75 and H.7	1	Semi-Annual, April 30 th and October 30 th	Electronic Subcontract Reporting System (eSRS) and Summary Subcontract Reports (SSRs)
0025	Monthly Progress Reports	C.2 GSFC 52.235-91	All	15th calendar day of each month	Electronic Format/COR & CO (letter transmittal only)
0026	Financial Management Reports	G.4 1852.242-73 and G.7 GSFC 52.242-90	All	In accordance to Attachment E – Financial Management Reporting Requirements	Electronic Format (letter transmittal only)

0027	Organizational Conflict of Interest (OCI) Avoidance Plan	1.98 1852.237-72	All	30 calendar days ACA	Electronic Format/CO (letter transmittal only)
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***NOTE: All deliverables, other than reports/documentation, are designated as Shipping Class III. All reports/documentation deliverables specified under Clause B.3, unless specified (electronic/format, etc.), are considered Class IV and shall be shipped via the most advantageous commercial transportation means considered to be in the best interest of the Government.**

****NOTE: The Contracting Officer's Representative (COR) will complete a review of documentation items 0006 a. and b. within 15 business days after receipt. The COR will respond with approval to proceed or provide a report on deficiencies. Fabrication of the Dewar shall not proceed until approved by the COR.**

(End of clause)

Deliverables

The Contractor shall deliver the items required under this contract as follows:

ITEM NO.	ITEM DESCRIPTION	QUANTITY	SHIPPING DATE
Hardware:			
0001	Integrated dewar system, including: a. Dewar b. Cryocooler c. Cryocooler electronics d. Pressure relief devices	1	Within 14 months of contract award
0002	Dewar cart or work stand	1	Within 14 months of contract award
0003	Shipping container	1	Within 14 months of contract award
0004	Spare parts, to include at least the following items: a. o-rings b. access port blank plate c. screws/bolts/nuts for vacuum jacket, access ports, and closeout plates	2 of each size used on the dewar 1 of each size spare hardware greater than or equal to 25% of actual quantity in the assembly	Within 14 months of contract award
0005	Spare cryocooler	1	Within 10 months of contract award
Documentation:			
0006	Structural Review Documentation: a* Layout of the dewar and stand b* Assembly drawing and detail drawings of all structural elements between the external structural interface and the tank	1 1 set	Within 5 weeks of contract award
0007	Mission Assurance Plan	1 copy	Within 5 weeks of contract award
0008	Quality Manual	1 copy	Within 5 weeks of contract award
0009	End Item Data Package a. Assembly drawing and parts list of the dewar and workstand b. As-built version of 0006 b c. Detail drawings of access plates d. Design report (BPVC compliance or AIAA S-080 compliance)	1 1 1 1	Within 14 months of contract award
0010	Test plans	A/R	Within 11 months of contract award

Attachment B
NNG140516081R

ITEM NO.	ITEM DESCRIPTION	QUANTITY	SHIPPING DATE
0011	Test reports	A/R (e.g thermal, leak, pressure, NDE)	Within 13 months of contract award
0012	Material certifications	A/R	Within 13 months of contract award
0013	Certificate of Conformance	1	Within 14 months of contract award
0014	Report of any re-work or repair that was performed to meet the requirements of the specification	1	Within 14 months of contract award
0015	Safety Data Package	1	Within 11 months of contract award
0016	Polymeric Materials and Organic Composites Usage List	1	Within 11 months of contract award
0017	Inorganic Materials and Inorganic Composites Usage List	1	Within 11 months of contract award
	Project Reviews		
0018	Monthly telecon to discuss progress, status, and problems with the dewar	All	Agreed upon time and date
0019	Contract Kick-off Review	1	Within 2 weeks of contract award
0020	Preliminary Design Review	1	Within 3 months of contract award
0021	Critical Design Review	1	Within 5 months of contract award
0022	Pre-Test Review	1	Within 12 months of contract award
0023	Pre-Ship Review	1	Within 14 months of contract award
0024	Small Business Subcontracting Plan and Reporting	All	Annually for the twelve month period ending September 30. Reports are due 30 days after the close of each reporting period.
0025	Monthly Progress Reports	All	15th calendar day of each month
0026	Financial Management Reports	All	In accordance to Attachment E – Financial Management Reporting Requirements
0027	Organizational Conflict of Interest (OCI) Avoidance Plan	All	30 calendar days ACA

*NOTE: The GSFC Contacting Officer's Representative (COR) will complete review of documentation items 0006 a. and b. within 15 business days after receipt. The COR will respond with approval to proceed or provide a report on deficiencies. Fabrication of the dewar **shall not** proceed until approved by the COR.