

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE 12		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. Amendment 2	3. EFFECTIVE DATE See Block 16C.	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) SLS AD

6. ISSUED BY Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, AL 35812	PS42 MJB	7. ADMINISTERED BY (If other than item 6) NASA/MSFC Attn: Monica Heidelberg Marshall Space Flight Center, AL 35812	CODE PS42
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8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)	<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. NNM12ZPS002N
	<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) March 20, 2012
	10A. MODIFICATION OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)

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 0 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)
Not applicable.

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.
	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 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.)

See changes as outlined on pages 2 through 6 of this amendment.

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) Monica Heidelberg Contracting Officer
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
BY _____ (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <u>Monica Heidelberg</u> (Signature of Contracting Officer)
	16C. DATE SIGNED 4/25/12

The purpose of this amendment is to modify NASA Research Announcement (NRA) NNM12ZPS002N, for the Space Launch System (SLS) Advanced Development acquisition as summarized below.

1. Modify the NRA Table of Contents due to added content in Sections 4.0 and 5.0 of the NRA.
2. Modify the NRA Section 4.2.8, Proposal Content, Section 2, Intrinsic Merit to add Appendix E, Subcontractor Information.
3. Modify the NRA Section 4.2.8.5.1.2, Teaming, Partnering and Subcontractor Arrangements, to revise the requirements for submittal of subcontractor information.
4. Modify the NRA Section 4.2.8.5.2.1, Technical Objectives, Methodology, and Innovation, to add subcontractor work efforts.
5. Modify the NRA Section 4.2.8.6.2.4 to revise the requirements for submittal of subcontractor pricing information.
6. Modify the NRA Section 4.2.8.10, Section 4 – Model Grant (if applicable), to add the documents required to be submitted with the proposal.
7. Modify the NRA Section 4.2.8.11.2, revise the required constituent parts of the proposal, page limit, and revise the page numbering format.
8. Modify the NRA Section 5.1.1.2.1, Management Approach, to add “(over 10 percent of the total amount proposed).”
9. Modify the Model Contract Table of Contents to delete G.4 Installation-Accountable Government Property, add H.18 NASA Facilities, Equipment, and Services and Executed Government Agreements, and revise H.19 to read “Special Changes Clause for Space Act Agreements.”
10. Modify the Model Contract Section B, Consideration and Payment to delete item “B” from the clause.
11. Modify the Model Contract Section F to amend Clause F-2, Period of Performance.
12. Modify the Model Contract Section F to add Clause F-3, Option to Extend the Term of the Contract.
13. Modify the Model Contract, Section G, to delete Clause G-4 Installation-Accountable Government Property.

14. Modify the Model Contract Section H to add Clause H-19, Special Changes Clause for Space Act Agreements.
15. The Model Contract, Sections J, List of Documents, Exhibits, and Other Attachments is hereby amended to annotate Attachment J-2, Data Procurement Document (DPD) is to be proposed by Offer.
16. The Model Contract is amended to add Attachment K, Representation and Certification and Other Statements of Offerors.
17. Modify Attachment 3, Data Procurement Document to delete "See Tailoring Instructions".
18. Modify NRA, Appendix E, Subcontractor Information to add a field to input Data Universal Numbering System (DUNS) number and Contractor and Government Entity (CAFE) Code for subcontractors added "inclusive of any reductions or additions the Offeror implements to the subcontractor's proposed price.
19. Modify the Model Grant, 1260.52, Multiple year grant or cooperative agreement to denote TBDs are to be filled in at grant award.
20. Modify the Model Grant, to delete 1260.57 New Technology.
21. Modify the Model Grant, 1260.58 to add the New Technology and Patent Representatives.
22. Modify the Model Grant, Additional Terms to add Base Year, Option Year 1 and 2 Award Amounts and to denote these are fill-ins to be proposed by the Offeror, and added Base Year, Option Year 1 and 2 awarded and fully funded amounts are TBDs and to denote these are to be filled in at grant award.
23. Modify the Model Grant to add Exhibit I, Representation and Certification and Other Statements of Offerors.

Specific changes to the NRA are further identified in the paragraphs below.

1. NRA Table of Contents is hereby amended due to added content in Sections 4.0 and 5.0 of the NRA. See NRA replacement page v.
2. NRA Section 4.2.8, Proposal Content, Section 2, Intrinsic Merit is hereby amended to add Appendix E, Subcontractor Information, to the list of items to be included in the proposal submittal. See NRA replacement page 10.

3. NRA Section 4.2.8.5.1.2, Teaming, Partnering, and Subcontractor Arrangements is hereby amended as follows. See NRA replacement page 11.

From: "Offerors shall submit information on all subcontracts over 10 percent of the total amount proposed per Appendix E, Subcontractor Information."

To: "Offerors shall also submit information on all significant subcontracts over 10 percent of the total amount proposed per Appendix E, Subcontractor Information. This 10 percent calculation shall take into account any reductions or additions the Offeror implements to the subcontractor's proposed price."

4. NRA Section 4.2.8.5.2.1, Technical Objectives, Methodology, and Innovation is hereby amended as follows. See NRA replacement page 12

From: "Offerors shall provide a description of the technical objectives and methodology proposed to accomplish the work effort."

To: "Offerors shall provide a description of the technical objectives and methodology proposed to accomplish the work effort to include any significant subcontractor efforts."

5. NRA Section 4.2.8.6.2.4 is hereby amended as follows. See NRA replacement page 15.

From: "Offeror's price proposal, subcontractor proposal, or team member proposal, shall adhere to the provisions of this Price Section. Subcontractors or team members may submit their price proposals directly to the Government (no later than the date and time specified in this NRA) to avoid providing proprietary pricing information to the prime contractor."

To: "Offeror's price proposal, subcontractor's price proposal, or team member's price proposal, shall adhere to the provisions of this Price Section. Subcontractors or team members may submit their price proposals directly to the Government (no later than the date and time specified in this NRA) to avoid providing proprietary pricing information to the prime contractor. Subcontractor price proposals submitted directly to the Government shall adhere to the same submission and formatting standards described in 4.2.8.11 and 4.3 of this NRA."

6. NRA Section 4.2.8.10, Section 4 – Model Grant (if applicable) is hereby amended as follows. See NRA replacement page 17.

From: "A Model Grant, which includes all applicable provisions, special conditions, additional terms, and required publications and reports, is provided as Attachment 2 to this NRA. Offerors shall also provide a SOW."

To: “A Model Grant, which includes all applicable provisions, special conditions, additional terms, and required publications and reports, is provided as Attachment 2 to this NRA. Offerors proposal shall address Key Personnel and the highlighted items within Additional Terms of the grant. In addition, Offerors shall designate their deviations and exceptions using the track changes feature with their proposal. Offerors shall also provide a SOW.”

7. NRA Section 4.2.8.11.2 is hereby amended to delete “at least” from the second sentence, add Appendix E, Subcontractor Information as a required constituent part of the proposal, update the page limit for Appendix E, Subcontractor Information and Price and revise page numbering format. See NRA replacement page 18.

8. NRA Section 5.1.1.2.1, Management Approach, is hereby amended to add “(over 10 percent of the total amount proposed)” as follows. See replacement page 22.

From: “The Government will evaluate the Offeror’s relevant past performance (previous 5 years), including the record of any significant proposed subcontractors or teaming partners.”

To: “The Government will evaluate the Offeror’s relevant past performance (previous 5 years), including the record of any significant proposed subcontractors (over 10 percent of the total amount proposed) or teaming partners.”

9. Model Contract, Table of Contents, is hereby amended to delete G.4 Installation-Accountable Government Property and replace with G.4 RESERVED, add H.18 NASA Facilities, Equipment, and Services and Executed Government Agreements, and amend H.19 to read “Special Changes Clause for Space Act Agreements.” See replacement pages A-3 and A-4.

10. Model Contract Section B, Consideration and Payment is hereby amended to delete item “B” from clause. See replacement page B-2.

11. Model Contract Section F, Clause F.2 Period of Performance is hereby amended to remove TBD, change Estimated Cost and Fee to read Firm Fixed Price and highlight these items to be proposed by Offeror. See replacement page F-1.

12 Model Contract Section F is hereby amended to add F.3 Option to Extend the Term of the Contract. See replacement page F-2.

13. Model Contract, Section G, is hereby amended to delete Clause G-4 Installation-Accountable Government Property and replace with G-4 RESERVED. See Model Contract replacement page G-3.

14. Model Contract, Section H, is hereby amended to add Clause H-19 Special Changes Clause for Space Act Agreements. See Model Contract replacement page H-11.

15. Model Contract, Sections J, List of Documents, Exhibits, and Other Attachments is hereby amended as follows. See replacement page J-1.

J-2 * Data Procurement Document (DPD) J-2-1 through *

16. Model Contract is hereby amended to add Attachment K, Representation and Certification and Other Statements of Offerors.

17. Attachment 3, Data Procurement Document is hereby amended to delete "See Tailoring Instructions". See Data Procurement Document replacement page J-2-17 and J-2-18.

18. NRA, Appendix E, Subcontractor Information is hereby amended to add a field to input Data Universal Numbering System (DUNS) number, Contractor and Government Entity (CAFE) Code for subcontractors and added "inclusive of any reductions or additions the Offeror implements to the subcontractor's proposed price." See replacement page E-1.

19. Model Grant, 1260.52, Multiple year grant or cooperative agreement is hereby amended to denote TBDs are to be filled in at grant award. See replacement page 5 of the Model Grant.

20. Model Grant is hereby amended to delete provision 1260.57 New Technology. See replacement page 6 of the Model Grant.

21. Model Grant, 1260.58, Designation of New Technology Representative and Patent Representative is hereby amended to add the New Technology and Patent Representatives. See replacement page 10 of the Model Grant.

22. Model Grant, Additional Terms is hereby amended to add Base Year, Option Year 1 and 2 Award Amounts and to denote these are fill-ins to be proposed by the Offeror and added Base Year, Option Year 1 and 2 awarded and fully funded amounts are TBDs and to denote these are to be filled in at grant award. See replacement page 11 of the Model Grant.

23. Model Grant is hereby amended to add Exhibit I, Representation and Certification and Other Statements of Offerors.

24. The following pages of the NRA NNM12ZPS002N solicitation are revised or added as attached hereto and made an inseparable part thereof. Some pages of the NRA, Model Contract and Model Grant are amended only to incorporate text which rolled over from previous pages

Revised Pages

NRA: page v, 6, 10, 11, 12, 15, 17, 18, and 22

NRA: page E-1, Appendix E Subcontractor Information

Model Contract: pages A-3, A-4, B-2, F-1, F-2, G-3, H-11, and J-1

Attachment 3 - Data Procurement Document (DPD): pages J-2-17 and J-2-18

Model Grant: pages 5 through 12

Added Page
NRA: page 30

25. The amendment consists in its entirety of Standard Form 30, pages 2 - 6, and the revised/added pages listed in Paragraph 24 above. No other changes are incorporated at this time. All other terms and conditions of the NRA will remain in full force and effect.

NOTE: The NRA, Appendix E Subcontractor Information, Model Contract and Model Grant with its associated changes will be posted in its entirety with this amendment. The changes within these documents can be identified by the track change bar on the right-hand side of the documents.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** XXX **ISSUE:** Draft
2. **DRD NO.:** XXXXSA-ASHE
3. **DATA TYPE:** 2
4. **DATE REVISED:**
5. **PAGE:** 1/5

6. **TITLE:** Alternate Safety, Health, and Environmental (SHE) Plan

7. **DESCRIPTION/USE:** To provide the Government a signed agreement confirming the contractor's commitment to comply with OSHA, EPA, Alabama Department of Environmental Management at MSFC, or Louisiana Department of Environmental Quality at Michoud Assembly Facility (MAF), and DOT regulations and to use MSFC MPR 8715.1 as the contractor's Safety, Health, and Environmental (SHE) program while performing the work associated with this contract.

8. **OPR:** AS10/QD12 9. **DM:** PS42

10. **DISTRIBUTION:** Per Contracting Officer's letter

11. **INITIAL SUBMISSION:** To be provided no later than 30 days after award.

12. **SUBMISSION FREQUENCY:** After approval, to be updated as required.

13. **REMARKS:**

14. **INTERRELATIONSHIP:** DRD STD/SA-MSR, *Mishap and Safety Statistics Report*. SOW paragraph TBD

15. **DATA PREPARATION INFORMATION:** See Tailoring Instructions
- 15.1 **SCOPE:** The Alternate Safety, Health, and Environmental (SHE) Plan documents the contractor's agreement and commitment to follow the industrial safety, occupational health, and environmental standards and requirements contained in MPR 8715.1 over the duration of the contract.
- 15.2 **APPLICABLE DOCUMENTS:**

29 CFR Part 1910	<i>Occupational Safety and Health Standards</i>
MWI 3410.1	<i>Personnel Certification Program</i>
MPD 8500.1	<i>MSFC Environmental Management Policy</i>
MPR 8500.1	<i>MSFC Environmental Management Program</i>
MPR 8715.1	<i>Marshall Safety, Health and Environmental (SHE) Program</i>
MWI 8621.1	<i>Close Call and Mishap Reporting and Investigation Program</i>
MWI 8715.15	<i>Ground Operations Safety Assessment Program</i>

NOTE: Reference the list provided in the Alternate SHE Plan for additional applicable documents.
- 15.3 **CONTENTS:** The Alternate Safety, Health and Environmental (SHE) Plan shall document the contractor's agreement and commitment to (1) provide a workplace that is incident and injury free, and (2) adhere to and comply with all the requirements contained in MPR 8715.1, MWI 8621.1 and other MSFC SHE documents applicable to the jobs/tasks associated with this contracted effort. The Alternate SHE Plan shall include:
 - a. Company Name.
 - b. NASA Organization contractor is supporting.
 - c. Definition of compliance with the requirements of MPR 8715.1 (e.g. SHE meetings, training, etc.).
 - d. Definition of compliance with the requirements of MWI 8621.1 (i.e. safety statistics, mishaps, close calls reporting).

DRD Continuation Sheet

TITLE: Alternate Safety, Health, and Environmental (SHE) Plan

DRD NO.: XXXXSA-ASHE

DATA TYPE: 2

PAGE: 2/5

15. **DATA PREPARATION INFORMATION (CONTINUED):**

- e. Definitions of compliance with the following requirements
 1. Conduct and document hazardous analysis and readiness reviews for jobs/tasks that contain the potential for employee injury or damage to property or the environmental, including management approval and acceptance of risks, prior to startup and provide to the government when requested.
 2. Develop operating procedures for potentially hazardous jobs/tasks and obtain MSFC Industrial Safety Branch concurrence prior to startup when necessary and provide to the government when requested.
 3. Assess and document employee training needs specific to the jobs/tasks they will perform and provide to the government when requested.
 4. Provide training to employees when required by OSHA, EPA or DOT and provide evidence of training to the government when requested.
 5. Obtain MSFC employee certification to operate NASA owned lifting equipment or perform other operations that the Industrial Safety Branch or Environmental Engineering and Occupational Health Office determine to require a MSFC Safety Certification in accordance with MWI 3410.1, "Personnel Certification Program," as applicable. Contact the Industrial Safety Branch or Environmental Engineering and Occupational Health Office for assistance. (NOTE: Contractors may also be required to submit a plan in accordance with STD/SA-PCP, "Personnel Certification Plan.")
 6. Comply with MPD 8500.1, *MSFC Environmental Management Policy* and MPR 8500.1, *MSFC Environmental Management Program*. Contact Environmental Engineering and Occupational Health Office/AS10 if assistance is needed. (NOTE: Contractors may also be required to submit a plan in accordance with STD/EE-EECR, "Environmental and Energy Consuming Product Compliance Reports.")
 7. Provide the necessary fall protection systems and fall protection training to employees that will be on walking/working surfaces with unprotected sides or edges where the potential exists for them to fall to the next lower level. Provide evidence of training to the Government when requested.
 8. Provide a "competent person" for any operations required by 29 CFR Part 1910 that require a "competent person" and ensure this person has received the training and is knowledgeable to serve as a "competent person." Provide name of "competent person" and documentation of training to the Government when requested.
- f. Provide the person's name and title of who will serve as the day-to-day SHE Point of Contact and is responsible for ensuring all work associated with this contract complies with MPR 8715.1.
- g. Obtain NASA Contracting Officer or official concurrence for implementing this Alternate SHE Plan.
- h. Place a check by the MSFC SHE documents that are applicable to the work associated with this contract. (NOTE: MSFC Contract Specialist/Contracting Officer shall consult with the AS10/QD12 OPR contacts to determine documents that are applicable to specific contract.)

A sample Alternate SHE Plan meeting all the requirements of this DRD is provided in Attachment A. Submission of a completed and signed version of the sample satisfies this requirement.

15.4 **FORMAT:** Contractor format is acceptable.

15.5 **MAINTENANCE:** Changes shall be complete reissue.