AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 | 2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000003	07/06/2015		

6. ISSUED BY CODE MSFC

NASA/Marshall Space Flight Center
Office of Procurement
Marshall Space Flight Center AL 35812

7. ADMINISTERED BY *(If other than Item 6)* CODE MSFC

NASA/Marshall Space Flight Center
Sharrief Alamin, PS51
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(256) 961-7622
Marshall Space Flight Center AL 35812

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

CODE | FACILITY CODE

(x) **9A. AMENDMENT OF SOLICITATION NO.**
NNM15552223R

x **9B. DATED** *(SEE ITEM 11)*
07/06/2015

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 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 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.)*

See attached page. Note that the due date for proposals has not changed.

Except as provided herein, all terms and conditions of the document referenced in Item 9 A 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)*	
		Jennifer B McCaghren	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	16C. DATE SIGNED

1. The purpose of Amendment 03 to NNM15552223R is to modify the Request for Proposal (RFP) as follows:

A. Change the Period of Performance from date of award to August 30, 2017 to date of award to June 30, 2017 located in the Statement of Work on page J-1-4.

B. Remove the website https://servirglobal.net/Global/About/OurTeam/SERVIRScienceTeam.aspx and replace it with https://servirglobal.net/Servir-ast located in the Statement of Work on page J-1-2.

C. Remove the Reporting Requirement that states Monthly Status Reports and change it to Semi-Annual Reports located in the Statement of Work on page J-1-3.

D. Remove the Deliverables/Outcomes (required) portion of the bullet that states Monthly Status Reports (1547MA-002) located on page J-1-4 in the Statement of Work.

E. Remove clause 1852.235-74 ADDITIONAL REPORTS OF WORK-RESEARCH AND DEVELOPMENT (FEBRUARY 2003) located in Section H (H.10) on page H-8.

F. Change maximum amount of pages for offerors to submit in their proposal from 16 pages to 15 pages located in Section L.7 pages L-3 and L-4 in the Uniform Contract Format.

G. Removed the Off-site Safety, Health, and Environmental (SHE) Plan requirement from the Statement of Work and the Data Procurement Document

H. Changes are noted by a vertical line in the right margin of the revised text or by attached slip sheet pages.

2. The attached page is included as a slip sheet to the RFP as originally posted.

Pages Deleted	Pages Added
H-9	H-9
J-1-2	J-1-2
J-1-3	J-1-3
J-1-4	J-1-4
L-3	L-3
L-4	L-4

3. All other terms and conditions remain unchanged in full force and effect.

H.9 1852.235-73 FINAL SCIENTIFIC AND TECHNICAL REPORTS. (DEC 2006) CONT.

(e) In accordance with paragraph (d) of the Rights in Data - General clause (52.227-14) of this contract, the Contractor may publish, or otherwise disseminate, data produced during the performance of this contract, including data contained in the final report, and any additional reports required by 1852.235-74 when included in the contract, without prior review by NASA. The Contractor is responsible for reviewing publication or dissemination of the data for conformance with laws and regulations governing its distribution, including intellectual property rights, export control, national security and other requirements, and to the extent the contractor receives or is given access to data necessary for the performance of the contract which contain restrictive markings, for complying with such restrictive markings. Should the Contractor seek to publish or otherwise disseminate the final report, or any additional reports required by 1852.235-74 if applicable, as delivered to NASA under this contract, the Contractor may do so once NASA has completed its document availability authorization review, and availability of the report has been determined.

(End of clause)

H.10 APPLICABLE 508 STANDARDS

- 1194.21 Software Applications and Operating Systems
- 1194.22 Web-Based internet and internet information and Applications

[END OF SECTION]

these are the most important elements. However, new approaches and methods in evaluation allow for projects to measure their effects.

The use of non-market evaluation methods, big data analytics, and network analysis have only recently become more common in evaluation. These approaches have the potential to provide new insight for understanding the value of information in a different manner. Thus, the purpose of this statement of work is to outline an opportunity to identify work over a period of 2 years to conduct robust evaluation for one AST project. This evaluation will focus on assessing the impact and benefits of using NASA satellite data in models on the stakeholders and decision-making processes.

As NASA Applied Sciences, in their Strategic Plan, focuses the next 5 years on enhancing the value and benefits of tools/products, and evaluations such as this one will be key in identifying existing success and suggest changes to improve impact. Furthermore, increased evidence on the vast direct contribution and/or spillover/ diffusion effects of NASA products will help the public understand the important role this agency still plays in innovation, discovery and technological advancement to the benefit of society.

The following links provide background information on the current SERVIR AST projects and in particular the AST project of interest for this evaluation (Jason-2 satellite data):

https://servirglobal.net/Servir-ast

http://catalogue.servirglobal.net/Product?product_id=32

Currently, one of the AST projects uses Jason-2 satellite altimeter data to virtually detect water levels upstream in large rivers in South Asia. Bangladesh receives water from two major upstream rivers – Ganges and Brahmaputra. This AST project has, in collaboration with country partners, helped to improve the flood warning system from an 8 day to a 3 day warning. Local scientists are working to scale-up the model to other neighboring countries. In addition, this AST project has increased capacity to utilize this data for improved resilience of Bangladeshi communities to fluctuations in climate affecting their livelihoods.

As new sites are identified for the use of Jason-2 data, NASA through this solicitation will try to capture the impacts, benefits and cost of this type of warning system.

2.0 DESCRIPTION OF WORK TO BE PERFORMED

Task 1: The contractor shall assess and evaluate (qualitatively and quantitatively) the value of the Jason-2 AST project and its contribution to SERVIR impacts/outcomes.

(a) What are the impacts of the Bangladesh JASON-2 based AST project satellite altimetry in flood forecasting?
(b) What is the value (costs, benefits) of the JASON-2 based AST project? What is the value of the data in the flood model to societal benefits and what is the return-on-investment?

Task 2: The contractor shall measure the scientific and technical contribution to increase capacity to the region it serves.

(a) How are benefits from the JASON-2 AST project distributed across the differing groups (users, stakeholders, scientists)?
(b) How does the JASON-2 AST project impact scientific and technical capacity in the region?

3.0 REPORTING REQUIREMENTS

The contractor shall provide:

- Outline of the research timeline and products/deliverables
- Semi-Annual Reports (per DRD 1547MA-002)
- Mid-Point report
- Final Comprehensive report
- Final conference meetings/presentation
- The Contractor shall report and document this work and fulfill the requirements of associated Data Requirements Description (DRD) as outlined in Data Procurement Document (DPD) 1547 (Attachment J-2). The contractor shall determine the data restriction that applies to each data deliverable and mark or transmit the data restriction in accordance with section 2.3.3 of the Data Procurement Document.
- The contractor shall provide technical information concerning any invention, discovery, improvement, or innovation made by the contractor in the performance of work under this contract. Technology Reports shall be prepared in accordance with DRD 1547CD-001.
- The contractor shall prepare and submit a Final Scientific and Technical Report that complies with the requirements of NFS 1852.235-73 in accordance with DRD 1547MA-001.
- The contractor shall prepare and submit a Semi-Annual Reports in accordance with DRD 1547MA-002.
- The contractor shall report mishaps and safety statistics to the MSFC Industrial Safety Branch in accordance with DRD 1547SA-001. The contractor shall submit directly into the NASA Mishap Information System (NMIS) or shall use the forms listed in section 15.4 of DRD 1547SA-001 or electronic equivalent to report mishaps and related information required to produce the safety metrics.

4.0 DELIVERABLES/OUTCOMES (required)

- Final Scientific and Technical Report (1547MA-001) and Semi-Annual Reports (1547MA-002)
- Presentation to SERVIR leadership at the conclusion of the project
- Presentation of findings at Scientific Conferences/Meetings
- Monthly teleconferences for status updates and as needed
- Data resulting from the funding of this award

5.0 PERIOD OF PERFORMANCE

The period of performance shall begin immediately upon contract award and end June 30, 2017.

L.7 1852.215-81 PROPOSAL SHEET LIMITATIONS (FEB 1998)

a) The following sheet (page) limitations are established for each portion of the proposal submitted in response to this RFP.

Section	Description	Sheet Limit
Proposal Cover Sheet – Title Page	Please provide a title to your proposal including the name of your team members and their affiliations, date, and the RFP number for this call.	1 page
Proposal Summary – Purpose and Objectives	Summarize and state clearly the proposed work, the objective(s) to be met, and justification of approach/method. Also state the intended research question(s) to be addressed in this scope of work.	1 page
Background and Introduction	Provide a brief description of past work and research highlighting the potential strengths and weaknesses of methods/approaches to answer the selected research question(s).	Max 3 pages
Scientific/Technical Approach Section	State the selected approach and intended method to answer the selected question(s), describe in detail the proposed activities for this proposal, and provide expected outcomes and results. This section must include a justification for the selection of the work outlined and method/approach selected for data collection and analysis.	Max 10 pages
The following sections below are required but are not subject to the 15 page limit stated above:		

Total Sheet Count		**15 pages (diagrams and illustrations are NOT part of the page count)**
Team/Management Section	Please give a brief list/description of the team members(s) and role(s). (Bios of each person should be provided in the Bios section)	**Max 1 page**
Cost/Price Estimates	Please provide in details a breakdown of all estimated costs for all inputs (personnel-wages, salaries, fringe benefits; other direct costs; supplies; F&A; travel; equipment; other) with a budget narrative to justify each type of estimate.	**No limitations**
Deliverables	Please list in detail the proposed deliverables, which should include those listed in the RFP (Final Report, Presentation to SERVIR leadership at the conclusion of the project, scientific presentations or journal articles (if applicable), and all data resulting from the project).	**Max 3 pages**
Bios of Team	Please provide for each team member a biographical sketch including the past 10 years of work, relevant work experience, professional positions, publication history, and current/pending funding for those with grants/cooperative agreements	**No limitations**
Timeline of work	Provide a timeline depicting the activities for the project and highlight significant milestones	**Max 3 pages**
Other supporting documents	These could include diagrams/illustrations, citations/references, examples of past work, and other similar	**No limitations**