

The purpose of this notice is to provide potential offerors information regarding the Basic and Applied Aerospace Research and Technology (BAART), formerly known as Structures, Materials, Aerodynamics, Aerothermodynamics, and Acoustics Research and Technology 2 (SMAAART 2), procurement strategy and identify key upcoming milestones.

This acquisition is aligned with Langley Research Center's (LaRC) Product Line Portfolio. As such, LaRC intends to group technical tracks of work described in the Performance Work Statement (WS) as either unrestricted or small business set-aside award. See attached notice to potential offers for more details. Please note that BAART includes multiple technical tracks that allow contractors to propose to some or all of the technical areas.

The multiple award IDIQ contract has an ordering period of five (5) years from award, and the North American Industry Classification System (NAICS) code for this procurement is 541712, Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology), with a size standard of 1500 employees (not to exceed).

If you have questions or comments, please contact Mercer Hurst, Contract Specialist or Octavia Hicks, Contracting Officer at [LARC-BAART@mail.nasa.gov](mailto:LARC-BAART@mail.nasa.gov).

Documents related to this procurement will be available on the internet using the URL <http://prod.nais.nasa.gov> .

Potential offerors are responsible for monitoring this site for the release of the solicitation and amendments. Potential offerors are also responsible for downloading their own copy of the solicitation and any amendments.

## Notice to All Potential Offerors Regarding BAART Procurement Strategy

The following is a summary of key strategy decisions:

1. The procurement has been renamed to “Basic and Applied Aerospace Research and Technology (BAART).” **SEE NOTE BELOW REGARDING NAME CHANGE AND LOCATION OF FUTURE POSTINGS.**
2. The scope of the BAART is to support research and technology development for aerospace systems that support NASA’s goals in the areas of: Advanced Materials and Structural Systems; Aerodynamics, Aerothermodynamics, and Acoustics; Systems Analysis and Concepts; Entry, Descent, and Landing; Measurement Systems and Autonomous Technologies; and Flight-Critical and Intelligent Flight Systems. The research scope ranges in maturity from fundamental tool and technology development through integrated technology demonstrations, potentially to include flight demonstrations, and vehicle concepts and performance conditions within the speed regimes of subsonic through hypersonic atmospheric flight. The scope of BAART includes: the current multiple award SMAAART contract issued to Analytical Services & Materials Inc. (AS&M, NNL10AA03B), Alliant Techsystems Inc. (ATK, NNL10AA04B), The Boeing Company (NNL10AA05B), Lockheed Martin Corporation (NNL10AA06B), and Northrop Grumman Systems (NNL10AA07B); the current multiple award Flight Critical Systems Research III (FCSR III) issued to The Boeing Company (NNL13AA03B), Honeywell International Inc.( NNL13AA04B), Rockwell Collins, Inc. (NNL13AA05B) and Saab Sensis Corporation (NNL13AA06B); and includes portions of scope of the current multiple award Inflatable Aerodynamic Decelerator (IAD) issued to Airborne Systems North America of CA Inc. (NNL12AA02B), ILC Dover LLC.( NNL12AA03B), and Lockheed Martin Space Systems Company (NNL12AA04B); and the current single award contract Systems Analysis & Concept Development (SAC-D) issued to Spaceworks Enterprises, Inc. (NNL11AA05B).
3. Period of Performance (PoP) is five years from contract start date.
4. North American Industry Classification System (NAICS) code for this procurement is 541712, Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology), with a size standard of 1500 employees (not to exceed).
5. The BAART procurement groups technical tracks of work described in the PWS as either unrestricted or small business set-aside award as follows: (A) Advanced Materials and Structural Systems, Aerodynamics, Aerothermodynamics, and Acoustics (**Full and Open**), (B) Systems Analysis and Concepts (**Small Business Set-Aside**), (C) Entry, Descent, and Landing (**Full and Open**), (D) Measurement Systems and Autonomous Technologies (**Full and Open**), (E) Flight-Critical and Intelligent Flight Systems (**Full and Open**). For the small business set aside technical track, an offeror must be able to perform at least 50% of the cost of contract performance incurred for personnel (FAR 53.219-14, Limitations on Subcontracting). Multiple awards will be made to offerors in each technical track. Offerors can propose to all or some of the technical tracks for which they are eligible for award.

BAART Competition				
TECHNICAL TRACK A	TECHNICAL TRACK B	TECHNICAL TRACK C	TECHNICAL TRACK D	TECHNICAL TRACK E
Advanced Materials & Structural Systems	Systems Analysis & Concepts	Entry, Descent, & Landing	Measurement Systems & Autonomous Technologies	Flight-Critical & Intelligent Flight Systems
Aerodynamics, Aerothermodynamics, & Acoustics				
Full & Open	SB Set-Aside	Full & Open	Full & Open	Full & Open

6. The BAART contract will be awarded as a multiple award Indefinite Delivery Indefinite Quantity (IDIQ) contract, which offers the most flexibility for the work under this contract. The PWS will be structured to support basic and applied research, technology concepts, analysis, development and integration; systems concepts, analysis development and integration; and technology demonstrations, including flight demonstrations. Multiple awards will be made to offerors in each technical track. Offerors can propose to all or some of the technical tracks for which they are eligible for award. BAART will include three different contract types to maximize flexibility. The following describes the contract type structure:

BAART Contract Type														
TECHNICAL TRACK A			TECHNICAL TRACK B			TECHNICAL TRACK C			TECHNICAL TRACK D			TECHNICAL TRACK E		
CPFF	FFP	Cost Share	CPFF	FFP	Cost Share	CPFF	FFP	Cost Share	CPFF	FFP	Cost Share	CPFF	FFP	Cost Share

7. A Small Business Utilization plan will be required from large businesses for technical tracks A, C, D, and E. BAART Small Business Subcontracting goals are as follows for each technical area:

BAART Small Business Goals							
TECHNICAL TRACK A		TECHNICAL TRACK C		TECHNICAL TRACK D		TECHNICAL TRACK E	
Type	Goal	Type	Goal	Type	Goal	Type	Goal
SB	8%	SB	0.1%	SB	Contractor Proposed Goal	SB	10%
SDB	0.70%	SDB	0%	SDB	Contractor Proposed Goal	SDB	2%
WOSB	3.70%	WOSB	0.1%	WOSB	Contractor Proposed Goal	WOSB	2%
HUBZone	0%	HUBZone	0%	HUBZone	Contractor Proposed Goal	HUBZone	0%
VOSB	1.20%	VOSB	0%	VOSB	Contractor Proposed Goal	VOSB	2%
SDVOSB	0.10%	SDVOSB	0%	SDVOSB	Contractor Proposed Goal	SDVOSB	1%

8. Organizational Conflicts of Interest clauses will be in the contract including “Limitation of Future Contracting”, NFS clause 1852.209-71; “Access to Sensitive Information, NFS clause 1852.237-72; NFS clause 1852.237-73, Release of Sensitive Information; and Special Contract Requirements tailored for the BAART contract.
9. The current conformed SMAAART contracts can be found on the NASA LaRC Freedom of Information Act (FOIA) website at: <http://foia.larc.nasa.gov/>
10. A bidder’s library is being established to assist with proposal development. The link will be provided as soon as the webpage has been established.

11. An interested parties listing has been generated and is currently posted on FedBizOps. Any interested parties that would like to be added or updated need to provide a point of contact name, company name, email address, and phone number to [LARC-BAART@mail.nasa.gov](mailto:LARC-BAART@mail.nasa.gov). The interested parties listing will be updated by the end of each calendar month.
12. A Pre-solicitation Conference is tentatively scheduled for Tuesday August 12, 2014, from 9:00 AM – 12:00 PM EDT in the NASA Langley Reid Conference Center, Building 1222, 14 Langley Boulevard, NASA Langley Research Center, Hampton, Virginia. A second session is also scheduled for Wednesday August 13, 2014, from 3:00 PM – 5:00 PM EDT in the NASA Langley Reid Conference Center, Building 1222, 14 Langley Boulevard, NASA Langley Research Center, Hampton, Virginia. A company can attend either event virtually or in person (in person attendance will be limited to 3 individuals per company). Please check FedBizOps for more details regarding both events.
13. The following are **ESTIMATED** key milestone dates (NOTE: These are estimated dates only and may change at any time. Any changes will be posted to FedBizOps.):

Milestone	Date
Draft RFP Issuance	August 4, 2014
Pre-solicitation Conference	August 12 and 13, 2014
Industry Comments Due	August 25, 2014
RFP Issuance	September 2, 2014
Proposals Due	October 2, 2014
Award	March 1, 2015

**NOTE: The Request for Information and Sources Sought Synopsis posted March 3, 2014 and April 16, 2014, entitled “SMAAART\_Follow-On\_RFI and SS—SMAAART2” respectively, will no longer be utilized for any future postings. All attachments (i.e., draft PWS and Interested Parties List) from that synopsis, including this document, will be posted under “BASIC AND APPLIED AEROSPACE RESEARCH AND TECHNOLOGY (BAART)”.**

No solicitation exists; therefore, do not request a copy of the solicitation. If a solicitation is released it will be synopsisized in FedBizOpps and on the NASA Acquisition Internet Service. It is the potential offeror’s responsibility to monitor these sites for the release of any solicitation or synopsis.

Please check FedBizOpps regularly for updates. We look forward to your comments and feedback. If you have questions or comments, please contact [LARC-BAART@mail.nasa.gov](mailto:LARC-BAART@mail.nasa.gov).