

**NNC14-HTIDS-NPO (06/20/2014)**  
**NOTICE OF PARTNERING OPPORTUNITY WITH GRC**  
**FOR THE HELIOPHYSICS TECHNOLOGY AND INSTRUMENT DEVELOPMENT FOR**  
**SCIENCE (H-TIDES) SOLICITATION**

PREFACE

The NASA Glenn Research Center is leading a proposal development effort in response to NASA proposal solicitations. The technical areas which GRC seek partnership arrangements are those that contribute to science and exploration technology objectives described in solicitations to develop and apply new technologies that will yield the next generation of innovative instruments for relevant investigations.

1 GENERAL INFORMATION

The National Aeronautics and Space Administration (NASA) has issued a NASA Research Announcement (NRA) NNH14ZDA001N-HTIDS Appendix B.3 entitled "Heliophysics Technology and Instrument Development for Science" (H-TIDeS), posted on the internet at:

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={140DFC9E-037D-F799-0D41-8BFDF7C15695}&path=init>

Proposals to this NRA are due via NSPIRES on August 15, 2014. The NASA Glenn Research Center (GRC) intends to submit a proposal to offer instrument and technology demonstrations for this and closely-related solicitations. This Notice is intended to allow interested non-Government entities to team with GRC consistent with the instructions provided below.

2 PURPOSE OF NOTICE

NASA Glenn Research Center (GRC) is issuing this Notice of Partnering Opportunity for the purpose of openly and competitively selecting prospective team members to assist it in the preparation of proposals to be submitted by GRC to NASA in response to this and closely-related solicitations. This process is being conducted in accordance with NASA FAR Supplement 1872.308. By this Notice, GRC is seeking information from partners regarding their availability, cost, capabilities, and past performance that relates to the maturation, development, integration, and operation of CubeSats or the underlying component or subsystem technologies. This Notice also authorizes NASA GRC to award grants, cooperative agreements and/or contracts to its selected partner(s) without further competition or justification, for execution of any GRC proposal that is selected by NASA.

3 OVERVIEW

This Notice is not to be construed as a commitment by the Government to enter into a partnership. This Notice is subject to revision or cancellation at any time.

Based on the responses to this Notice, GRC anticipates selecting organizations with which GRC would then immediately work directly and individually to develop, complete, and submit proposals in response to the above-mentioned solicitation. During the proposal development phase, specific roles and cost estimates for the selected partners will be developed. For any GRC proposal that is selected by NASA, GRC intends to negotiate, without further competition or justification, a grant,

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cooperative agreement, or contract with each proposal partner, consistent with their agreed upon role and this Notice. During these procurement negotiations, the specific statement of work, terms and conditions, and procurement value will be determined.

There will be no exchange of funds between GRC and the teaming partners during the preparation of proposals. NASA will not be responsible for any costs incurred by respondents in preparing a response to this Notice or by the selected partners in assisting GRC in the preparation of proposals.

#### 4 DETAILS OF THE OPPORTUNITY

The H-TIDeS program NRA cited above solicits proposals for investigations that are relevant to NASA's programs in Heliophysics. The H-TIDeS program seeks to investigate key Heliophysics science questions by addressing the best possible science and/or technology investigations that can be carried out with instruments flown on CubeSats or other platforms. Advancement in Heliophysics science requires the development and application of new technologies that will yield the next generation of innovative instruments.

This Notice solicits partners for the maturation, development, integration, flight preparation, and flight operation of a 6U CubeSat bus consisting of components and subsystems appropriate to support a GRC-built instrument related to the study of the heliospheric environment in Deep Space. Besides standard subsystems for flight, the CubeSat will require a propulsion system for Deep Space maneuvering with a delta-V with between 1-4 km/s or best achievable. The CubeSat must operate with the variable and known environmental conditions of Deep Space in the vicinity of the Earth-Moon system.

Respondents should identify the integrated team to provide the CubeSat bus and components or subsystems consistent with the guidance in this Notice and the NRA. Respondents should also identify potential roles they offer to perform in the full range of maturation, development, integration, flight preparation, and flight operation activities addressed in the NRA.

#### 5 EVALUATION CRITERIA

NASA GRC will evaluate the submitted information from the Respondents based on the following criteria, listed in descending order of importance:

- (1) Relevance of technology concepts to the solicitation and this Notice.
- (2) Relevant experience, past performance, technical capability, and availability of key personnel. This criterion evaluates the proposer's relevant recent experience, past performance in similar development activities, technical capability to perform the development and key personnel available to support the development.
- (3) Cost and schedule control. This criterion evaluates the respondent's ability to control both cost and schedule.

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(4) Facilities. This criterion evaluates the respondent's facilities (development, testing, analysis, and operations) to conduct the development or demonstration of the proposed task.

(5) Cost sharing. This criterion evaluates the extent and type of non-mandatory cost sharing proposed, if any, and the potential partner's commitment to do so.

GRC anticipates completing its evaluation and selection process on or about July 11, 2014. Selected partners will be contacted directly by GRC to develop proposals. At that time, GRC may ask for supplemental information.

All responses will be treated as proprietary information and controlled as such.

## 6 RESPONSE INSTRUCTIONS

Responses are limited to no more than 2 pages that address the evaluation criteria in not less than 12-point font.

Respondents should include the following for evaluation against the criteria above:

- (1) Proposed contributions relevant to the solicitation and details of this opportunity described above including contributed components or subsystems, maturation activities and project roles.
- (2) Evidence of successful participation in previous, similar development efforts.
- (3) Evidence of successful cost and schedule control in previous similar development programs and evidence of relevant management processes.
- (4) Descriptions of facility operational and analysis capability, availability, and access to meet the proposed component or subsystem, maturation, and project roles.
- (5) Any cost sharing that would be offered for a potential contract or cooperative agreement.

Responses are due to NASA GRC no later than 5 p.m. EDT on July 1, 2014. Any responses received after this time and date will be handled as late proposals in accordance with Federal Acquisition Regulation 15.208.

Responses to this Notice must be submitted in the form of a Portable Data Format (PDF) file. Responses and technical questions should be submitted via e-mail to Ms. Carol Tolbert ([carol.m.tolbert@nasa.gov](mailto:carol.m.tolbert@nasa.gov)). Any procurement process related questions may be submitted via e-mail to Mr. Timothy Pierce ([timothy.c.pierce@nasa.gov](mailto:timothy.c.pierce@nasa.gov)) or by phone at (216) 433-2147.

## 7 ADDITIONAL INFORMATION RELEASES

The Internet site, or URL, for the NASA/GRC Business Opportunities page is <http://prod.nais.nasa.gov/cgi-bin/eps/bizops.cgi?gr=D&pin=22>

It is the responsibility of potential respondents to monitor the NASA Acquisition Internet Service (NAIS), GRC Procurement site for any further information concerning this Notice.