

Marshall Small Business Alliance

**Human Exploration Development & Operations (HEDO)
Office**

**Marshall Operations Systems, Services and Integration (MOSSI II)
Acquisition**

Presented By: Casey Hardy, Contracting Officer

The Huntsville Operations Support Center (HOSC)

- The HOSC mission is to provide system development and operations and maintenance services to meet International Space Station Program (ISS), Space Launch System (SLS), and other NASA/MSFC program/project requirements as needed.
- COLSA Corporation currently serves as the prime contractor for HOSC.

The Mission Operations and Integration (MOI)

- MOI provides support and products for the development and execution of spaceflight operations performed by the Payload and Mission Operations Division. It also includes Plan / Train / Fly ISS science operations integration by providing crew and ground personnel training, flight activity planning, and flight operations to ensure successful payload operations.
 - Teledyne Brown Engineering is the prime contractor for MOI.
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- MOSSI II is considered a bundling acquisition in accordance with FAR Part 7. This will consolidate the HOSC and MO&I requirements into one contract vehicle.
- NAICS Code and Title: 541715 - Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
- Size Standard: 1,250 Employees
- Product or Service Code: R425 - Support - Professional: Engineering / Technical (current PSC for HOSC and MO&I)
- On December 07, 2020, a sources sought notice was posted providing the draft PWS for MOSSI II. This notice generated 11 responses of these were 4 large business and 7 from small business with various categories.
- Due to the magnitude and complexity of this effort, a determination was made to solicit as a Full and Open Competition with aggressive small business subcontracting goals.

- The draft Request for Proposal for the MOSSI II effort is currently under development. It will focus on synergy in consolidating the two contracts with added emphasis on the contractor performing integration across the full scope of work.
- Release of the draft RFP is anticipated in the second quarter of 2021.
- Customer and stake-holder support is provided for mission ground systems development and operations in support of NASA programs, project offices, NASA contractors, payload developers, educational institutions, international partner space agencies, and individuals within these organizations.
- The selected contractor will be tasked to provide operations support for all mission phases... for payload operations in support of the International Space Station (ISS) Program. Support is also required for new or evolving NASA programs.

- The draft MOSSI II Performance Work Statement Structure will contain:
 - Management
 - Technical Integration
 - Operations Preparation
 - Training
 - Mission Execution
 - Ground Systems Development
 - Ground System Operations & Maintenance

- Supporting the following programs/projects:
 - International Space Station
 - Space Launch System
 - Near Earth Asteroid (NEA) Scout
 - Autonomous Mission Operations
 - Delay Tolerant Network
 - IDIQ (Future Program/Projects)



Human Exploration Development & Operations Office