

**Johnson Space Center  
Specialized Engineering, Aeronautics, and  
Manufacturing (SEAM)  
Industry Day**



**October 7, 2015  
Virtual via Lync/Telecon  
9:00 – 11:00 am CDT**



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# **Welcome to the Specialized Engineering, Aeronautics, and Manufacturing (SEAM) Industry Day**

**Stacy G. Houston  
Contracting Officer**



# Agenda

<b>Speaker</b>	<b>Subject</b>
Stacy G. Houston, Contracting Officer	Welcome to Industry Day/Introductions
Debra L. Johnson, Director Office of Procurement	Welcome
Charles T. Williams, Small Business Specialist, Office of Procurement	Welcome
Jean C. Haensly, Chief; Planning, Integration, & Control Office Flight Operations Directorate (FOD)	Organization Vision and Objectives
Portia S. Keyes, Contract Specialist	Current Contract Overview
Allison McIntyre, Chair, Procurement Development Team (PDT)	Technical Overview
Portia S. Keyes Contract Specialist	Procurement Schedule and Question/Answer



# Disclaimer

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- **These slides are for information and planning purposes only. No solicitation exists at this time.**
- **This presentation shall not be construed as a commitment by the Government or as a comprehensive description of any future requirements.**
- **If a solicitation is released, it will be synopsisized in the FedBizOpps website and on the NASA Acquisition Internet Service (NAIS).**



# Goals of Industry Day

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- Promote competition on the proposed acquisition
- Develop industry understanding of the Government's current vision and objectives
- Provide industry with the opportunity to meet with the Government early enough in the procurement process to provide input into the SEAM procurement strategy
- Encourage offerors to submit questions and comments electronically via the SEAM website during the virtual Industry Day. The Government will respond officially to all questions submitted by posting them to NAIS and the SEAM procurement websites



# Industry Day Overview

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- The purpose of this Industry Day is to help industry understand the Government's existing requirements and vision for the SEAM contract.
- Clarifications concerning NASA's current structure for this content will be answered in the Question and Answer period.
- A copy of this presentation will be posted on the SEAM website at:  
<http://procurement.jsc.nasa.gov/seam/> .



# Responses to Questions

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- Questions will be answered verbally during Industry Day. Verbal responses to questions will not be considered official. The Government expects that questions received from Industry will be followed up in writing via the SEAM procurement and NAIS websites.
- Questions submitted via the “Anonymous Questions to the Contracting Officer” feature on the SEAM website will be answered and posted to the procurement website and will be considered official responses. If a difference exists between verbal and written responses to questions, the written responses shall govern.



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**Welcome**

**Debra L. Johnson, Director  
Office of Procurement**



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**Welcome**

**Charles T. Williams,  
Small Business Specialist  
Office of Procurement**

# Industry Assistance Office Contact Information

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- Charles T. Williams  
Senior Small Business Specialist
- Rose A. Herrera  
Small Business Specialist
- Irene Oakley-Johnson  
Contract Specialist
- Main phone number:  
(281) 483-4512
- All emails should be sent to: [jsc-industry-assistance@mail.nasa.gov](mailto:jsc-industry-assistance@mail.nasa.gov)
- Location:  
Building 1, Suite 453
- Address:  
NASA Johnson Space Center,  
Industry Assistance Office  
Mail Code: BA  
2101 NASA Parkway  
Houston, TX 77058



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# **Vision and Objectives**

**Jean C. Haensley, Chief  
Planning, Integration, & Control Office  
Flight Operations Directorate**



# Objectives of SEAM Procurement

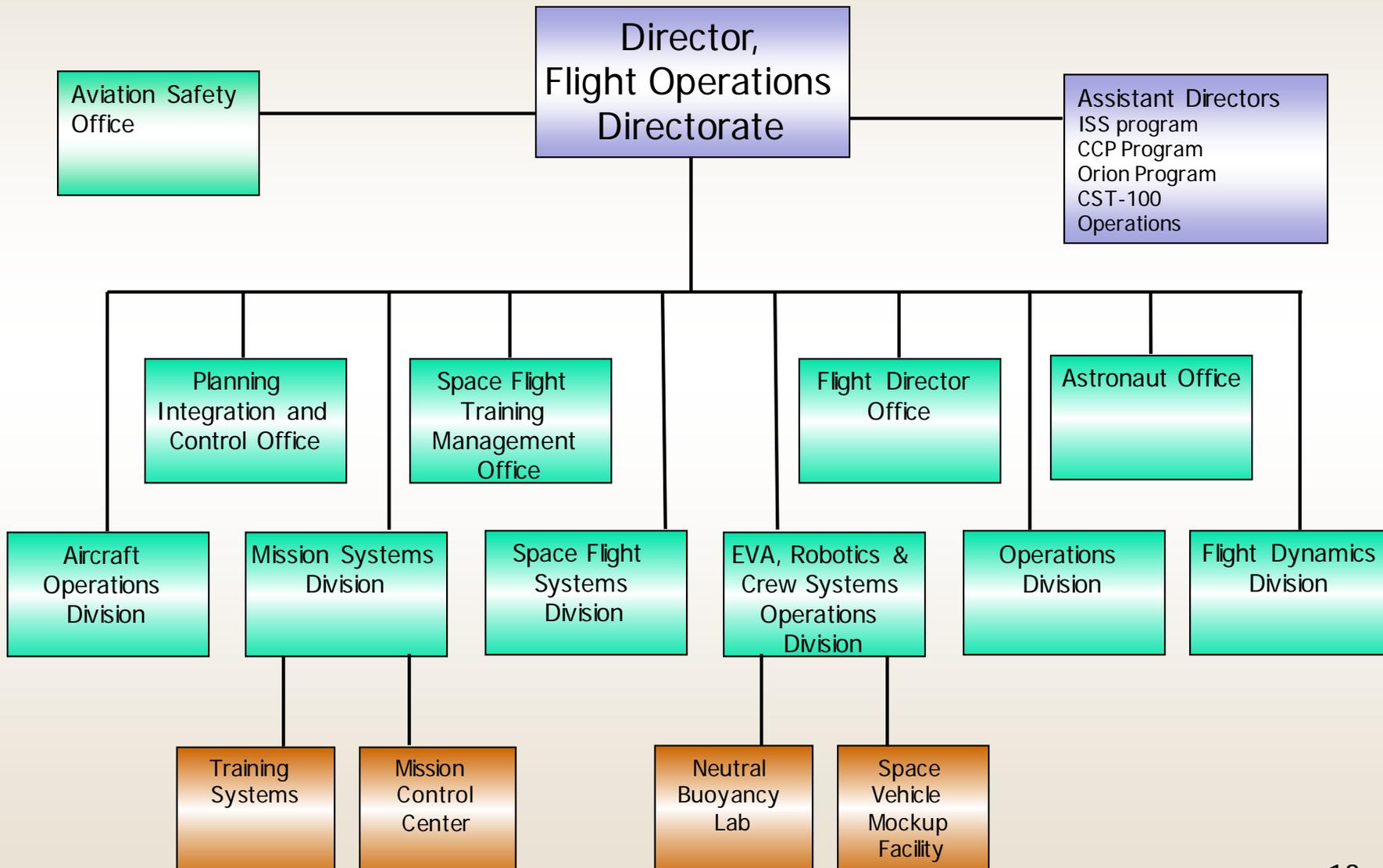
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The National Aeronautics and Space Administration (NASA) Johnson Space Center (JSC) Flight Operations Directorate (FOD) is considering a multi-award Indefinite-Delivery Indefinite-Quantity (IDIQ) contract to enable completion of projects and specialized engineering activities in support of FOD operations, facilities, and aircrafts.

- Flexible contract mechanism
- Maintain competition at the task order level
- Provide for specialized engineering services when required



# FOD Organization Chart





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# **Current Contract Overview**

**Portia S. Keyes, Contract Specialist**



# Current Contracts Overview

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- Contract Number: NNJ13RA60C
- Contract Name: Aircraft Autopilot and Electrical Systems Support
- Prime Contractor: American Systems Corporation, Inc
- Contract Type: IDIQ/Cost Plus Fixed Fee (CPFF)
- Period of Performance: 06/1/13 - 05/31/18 including options



# Current Contracts Overview

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- Contract Number: NNJ13RA60C
- Scope currently provided include:
  - Aerospace electrical engineering:
    - Electrical and avionics support
    - Software engineering design, analysis, integration, testing
    - Controls and modeling design, analysis, integration, testing
    - Instructions for continuing airworthiness



# Current Contracts Overview

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- Contract Number: NNJ12JB11B
- Contract Name: Aircraft Mechanical Engineering Services and Support Contract (AMES)
- Prime Contractor: Engineering and Software Systems Solutions, Inc. (ES3)
- Contract Type: Time & Material (T&M)
- Period of Performance: 01/18/12 - 01/17/17



# Current Contracts Overview

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- Contract Number: NNJ12JB11B
- Scope currently provided include:
  - Aerospace mechanical engineering:
  - Sustainment, alteration, and improvement of aircraft mechanical systems
  - Structural and dynamic analysis
  - Design of aero structures and mechanisms
  - Mechanism analysis
  - Aircraft and aircraft systems ground testing



# Current Contracts Overview

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- Contract Number: NNJ12JB12B
- Contract Name: Aircraft Aeronautics and Structural Engineering Services Contract
- Prime Contractor: ATA Engineering
- Contract Type: T&M
- Period of Performance: 12/20/11- 12/19/16



# Current Contracts Overview

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- Contract Number: NNJ12JB12B
- Scope currently provided include:
  - Aerospace structural engineering:
    - Structural, dynamic analysis and loads determination
    - Assessment of static and dynamic load effects
    - Test-verified finite element model development
    - Detailed stress analysis
    - Aeroelastic analysis
    - Ground vibration (modal) testing
    - Dynamic and static strain testing



# Current Contracts Overview

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- Contract Number: NNJ10HD35C
- Contract Name: Neutral Buoyancy Laboratory and Space Vehicle Mockup Facility Contract (NSOC)
- Prime Contractor: Raytheon Technical Services Company, LLC
- Contract Type: Cost-Plus-Award-Fee/Incentive-Fee (CPAF/IF) IDIQ
- Period of Performance: 10/1/10 – 09/30/19 including options
- Scope currently provided on contract include: Engineering, Dive Operations, Manufacturing, and Facility Operations



# Proposed Contract

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- Solicitation Number: NNJ16567749R
- NAICS Code and Size Standard
  - The NAICS Code is 541330, Engineering Services
  - The size standard is \$38.5M
- Period of Performance contemplated is July 1, 2016 - June 30, 2021
- Contract Types: TBD
- Proposed technical requirements:
  - Task Category A: Aero Structural Engineering and Analysis
  - Task Category B: Aero Mechanical Systems
  - Task Category C: Aero Avionics, Electrical, and Software
  - Task Category D: General Engineering Services
- Offerors should review Chapter 8 of the DCAA Audit Manual to determine if they are subject to full or modified Cost Accounting Standards (CAS) coverage and if they require an adequate Disclosure Statement prior to award. *The link is: [http://www.dcaa.mil/cam/Chapter\\_08 - Cost Accounting Standards.pdf](http://www.dcaa.mil/cam/Chapter_08_-_Cost_Accounting_Standards.pdf).*

# Special Consideration

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## NOTE TO PROSPECTIVE OFFERORS

Prospective offerors are reminded not to contact incumbent personnel (either directly or through electronic means) during duty hours or at their place of employment, as such contacts are disruptive to the performance of the current contracts.



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# **Technical Overview**

# **Task Category Statements of Work**

Allison McIntyre, PDT Chair



# Task Category A

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## *Aero Structural Engineering and Analysis*

- Aircraft Support
- Technical Support
- Engineering Services
  - Flight Testing
  - Mechanical Design
  - Vibro-acoustics
  - Computational Fluid Dynamics
  - Thermal Analysis
  - Mechanism/nonlinear Dynamic Analysis
- System Engineering and Integration Support
- Testing Services
- Quality Assurance Support



# Task Category B

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## *Aero Mechanical Systems*

- Aircraft Support
- Technical Support
- Engineering Services
  - Flight Testing
  - System & Component obsolescence
  - Sustainment, alteration, and improvement of aircraft mechanical systems
  - Structural and dynamic analysis
  - Mechanical design
  - Mechanism analysis
  - Strength of material studies, evaluation, and testing
  - Support staff as needed for research
- Quality Assurance Support



# Task Category C

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*Aero Avionics, Electrical, and Software*

- Aircraft Support
- Technical Support
- Engineering Services
  - Avionics Integration
  - Circuit Design
  - Telemetry system design
  - Payload electrical interface design
  - Wire Harness Design
  - Navigation System Design
  - Analysis of circuits, electrical loads, Bus, RF, timing
- Quality Assurance Support



# Task Category D

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## *General Engineering Services*

- Mockup and Trainer Support
- Technical Support
- Engineering Services
  - System Engineering
  - Hazard Analysis
  - Acceptance Test Plans
  - Installation and Operations documentation
  - Design modeling and drawing
  - Stress analysis
  - Hydraulic and Electro-Hydraulic systems design
  - Electrical Systems Design and integration



# Task Category D cont.

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- Engineering Services
  - Mechanical System Design
  - Fabrication
  - Softgoods production (i.e. sewing)
  - Lighting system design, test and integrations
  - Video systems engineering
  - Programmable Logic Controller programming
  - System Engineering and Integration Support
  - Information Technology
- Rapid Prototyping Services
- Testing Services
- Quality Assurance Support



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# **Procurement Schedule and Q&A**

**Portia S. Keyes, Contract Specialist**



# Procurement Schedule

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- The Government intends to issue sections C (Statement of Work), L (Instructions, Conditions, and Notices to Offerors) and M (Evaluation Factors for Award) in a **draft** format.
- Following the release of the Draft sections C, L, and M, Industry will have an opportunity to submit anonymous questions in writing so that the Government may officially respond.
- The procurement schedule will be posted to the procurement website:

<http://procurement.jsc.nasa.gov/seam/schedule.asp>



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## Question and Answer Period

# One-on-One Communication with Industry

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- October 7, 2015 1:00pm - 5:00pm CDT and  
October 8, 2015 8:00am - 3:00pm CDT
- No more than 3 individuals may represent any party or team of parties
- Only 1 virtual meeting will be allowed
- Meetings will not exceed 20 minutes in length



# HOW TO GET CONNECTED

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- <http://procurement.jsc.nasa.gov/seam/>
- NASA/JSC Business Opportunities Home Page  
Set up your user profile  
<http://prod.nais.nasa.gov/cgi-bin/eps/bizops.cgi?gr=D&pin=73>
- NASA Acquisition Internet Service (NAIS)  
<http://procurement.nasa.gov>
- JSC Procurement Website  
<http://procurement.jsc.nasa.gov/>
- Industry Assistance – Bldg. 1 - JSC



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**Thank you for attending!**

**Visit:**

<http://procurement.jsc.nasa.gov/seam/>