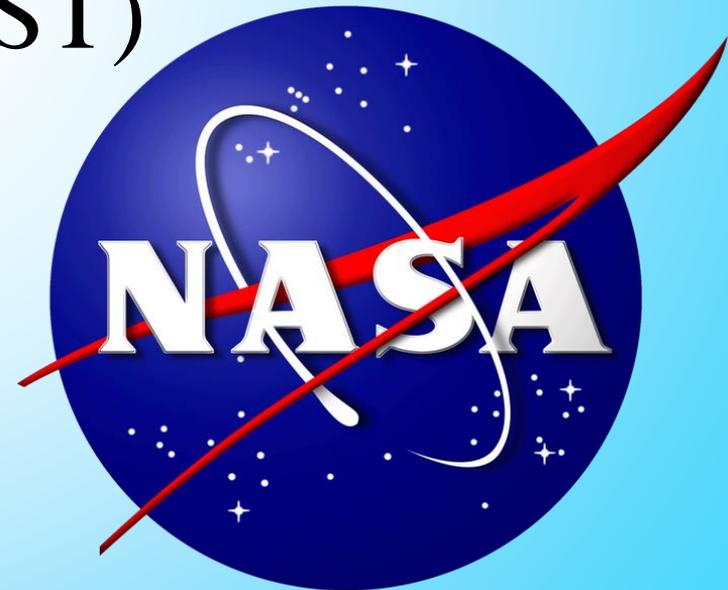


# WELCOME TO THE JOHNSON SPACE CENTER

## JOINT OPERATIONS & INTEGRATED SUPPORT TECHNOLOGY (JOIST) INDUSTRY DAY

April 12, 2016

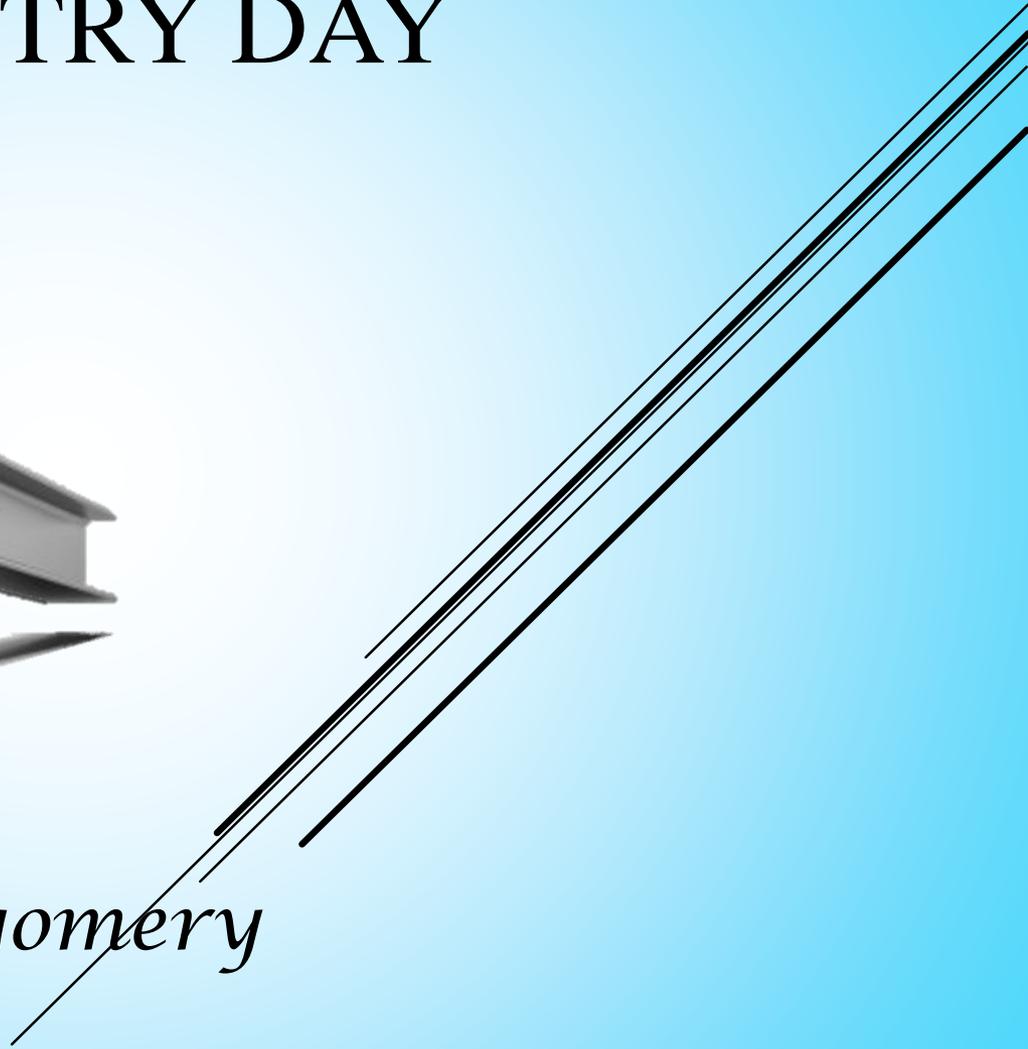
9:00 a.m. – 12:00 p.m.



# WELCOME TO THE JOIST INDUSTRY DAY



*Audrey C. Montgomery*  
Contracting Officer

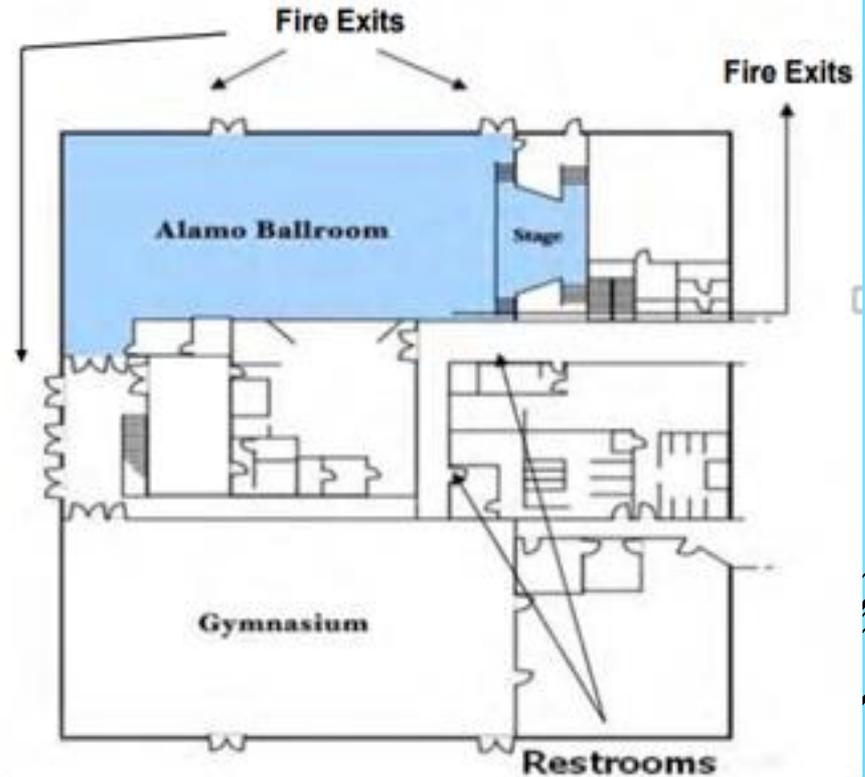




# SAFETY AND ADMINISTRATIVE

Restrooms can be found in the hallway outside this ballroom.

Fire exits are at the front entrance and side exit doors. In the event of a fire, you must move at least 75 ft. away from the building.





# AGENDA

| <b>Speaker</b>   | <b>Subject</b>                                  |
|--|---|
| <b>Audrey C. Montgomery</b><br>Contracting Officer                                       | <b>Welcome to Industry Day/Introductions</b>    |
| <b>Debra L. Johnson, Director</b><br>Office of Procurement                               | <b>Welcome</b>                                  |
| <b>Charles T. Williams,</b><br>Senior Small Business Specialist<br>Office of Procurement | <b>Welcome</b>                                  |
| <b>Brian K. Kelly, Director</b><br>Flight Operations Directorate                         | <b>FOD Organization Vision and Objectives</b>   |
| <b>Audrey C. Montgomery</b><br>Contracting Officer                                       | <b>Current Contracts Overview</b>               |
| <b>Joy L. Barckholtz</b><br>PDT Chair  | <b>Technical Overview</b>                       |
| <b>Audrey C. Montgomery</b><br>Contracting Officer                                       | <b>Procurement Schedule and Question/Answer</b> |



# 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 JOIST contract.
- ▶ Clarifications concerning the way in which we conduct business today will be answered in the Question and Answer period.
- ▶ A copy of this presentation will be posted on the JOIST website at:  
<http://procurement.jsc.nasa.gov/JOIST/>



# 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 on the FedBizOpps website.



# 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 Joint Operations and Integrated Support Technology (JOIST) procurement strategy.
- ▶ Encourage offerors to submit questions and comments electronically via the JOIST website or in person during Industry Day. The Government will respond officially to all questions submitted by posting them to FedBizOpps and the JOIST procurement websites.



# RESPONSES TO QUESTIONS

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- ▶ All questions during the JOIST Industry Day will be submitted on index cards (provided) and will be anonymous unless you include your name/Company name.
- ▶ Verbal responses to questions will not be considered official.
- ▶ Questions submitted electronically and in writing 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.

WELCOME

*Debra L. Johnson*

Director, Office of Procurement



WELCOME

*Charles T. Williams*

Senior Small Business Specialist,  
Office of Procurement





# INDUSTRY ASSISTANCE OFFICE CONTACT INFORMATION



- ▶ Charles T. Williams  
Senior Small Business  
Specialist
- ▶ Rose A. Herrera  
Small Business Specialist
- ▶ Irene Oakley-Johnson  
Contract Specialist
- ▶ Richard T. Slater  
Small Business 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

# FLIGHT OPERATIONS DIRECTORATE (FOD) VISION AND OBJECTIVES

*Brian K. Kelly*

Director, Flight Operations  
Directorate



# CURRENT CONTRACTS OVERVIEW



*Audrey C. Montgomery*  
Contracting Officer



# CURRENT CONTRACTS OVERVIEW - NAMIS

- ▶ NASA Aircraft Management Information System (NAMIS)
- ▶ Contract Number: NNN13JB36B/NNN15JA06B
- ▶ Prime Contractor: Science Applications International Corporation (SAIC)
- ▶ Contract Type: CPFF/IDIQ
- ▶ Period of Performance:  
11/19/2012 – 11/18/2016
  - ▶ Option 2:  
11/19/2016 – 11/18/2017





# CURRENT CONTRACTS OVERVIEW

## – NAMIS, CONT'D



- ▶ The NASA Aircraft Management Information System (NAMIS) is a NASA-wide, Enterprise-class, highly-specialized aircraft management system that includes:
  - ▶ Flight scheduling, crew records and proficiency management.
  - ▶ Availability to other Government agencies and commercial entities.
  - ▶ Tracking for 3 levels of aircraft maintenance; capabilities include:
    - ▶ aircraft-related logistics management
    - ▶ aircraft configuration control
    - ▶ development and support of maintenance and operations manuals to include work cards and technical reference manuals
    - ▶ quality assurance support and trend analysis
    - ▶ cost tracking and reporting





# CURRENT CONTRACTS OVERVIEW

## – NAMIS, CONT'D

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- ▶ Multiple interfaces that include NASA, Department of Defense, and contractor-owned systems.
- ▶ Software designed to accommodate regulations applicable to both Public Aircraft and the Federal Aviation Administration certificated aircraft.
- ▶ Airworthiness certification and certification of crew qualifications and proficiency/currency.





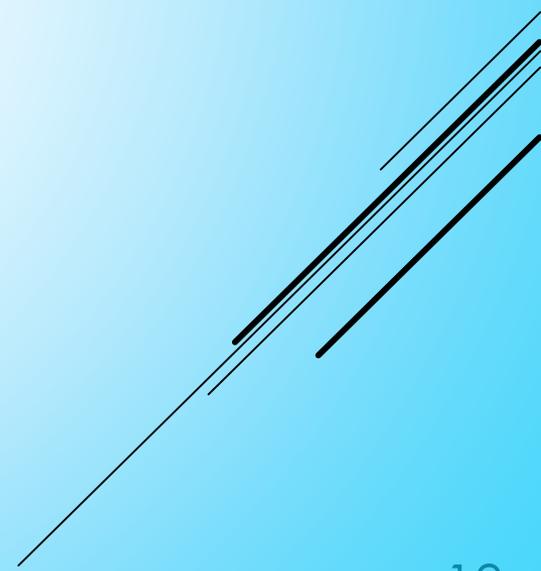
# CURRENT CONTRACTS OVERVIEW

## – NAMIS, CONT'D



### ▶ Also includes:

- ▶ Development and quick turn-around support for unique operations and management activities, including user assistance and application development support for Information Technology (IT) systems, applications, and infrastructure.





# CURRENT CONTRACTS OVERVIEW

## – ATIC



- ▶ Advanced Technology & Integration Contract (ATIC)
- ▶ Contract Number: NNN14RA02C
- ▶ Prime Contractor: Tietronix
- ▶ Contract Type: FFP/IDIQ
- ▶ Period of Performance: 04/01/13 – 03/31/19





# CURRENT CONTRACTS OVERVIEW – ATIC, CONT'D



- ▶ Design, development, testing, integration, and delivery of advanced technologies, specialized office IT, and custom software engineering and research development of applications and solutions for improving the effectiveness and efficiencies of mission operations and other systems. This includes:
  - ▶ Project integration, configuration, and data management (CDM) support
  - ▶ IT resource management (ITRM) planning
  - ▶ Configuration management (CM) of unique-facilities' planning and utilization not provided by JSC's Center Operations Directorate (COD)
  - ▶ Office automated systems (OAS) support
  - ▶ IT planning and investment management
  - ▶ Enhanced desktop or workstation support not provided by JSC's Information Resources Directorate (IRD)



# CURRENT CONTRACTS OVERVIEW – FDOC (SOW 2.7) & NSOC (SOW 2.9)



- ▶ Neutral Buoyancy Laboratory (NBL)/Space Vehicle Mockup Facility (SVMF) Operations Contract (NSOC)
  - ▶ Contract Number: NNJ10HD35C
  - ▶ Prime Contractor: Raytheon
  - ▶ Contract Type: CPAF IDIQ
  - ▶ Period of Performance: 07/30/2010 – 09/30/2017
- ▶ Facilities Development and Operations Contract (FDOC)
  - ▶ Contract Number: NNJ09HD46C
  - ▶ Prime Contractor: Lockheed Martin Corporation
  - ▶ Contract Type: CPAF IDIQ
  - ▶ Period of Performance: 11/07/2008 – 09/30/2016





# CURRENT CONTRACTS OVERVIEW – FDOC (SOW 2.7) & NSOC (SOW 2.9)



- ▶ Specialized help desk support for FOD that is not provided by JSC's Information Resources Directorate (IRD) to include operating systems and user/contractor-installed custom and commercial-off-the-shelf (COTS) software tools
- ▶ Procurement, installation, administration, and maintenance of FOD office environment server hardware and software systems providing file, web, database, etc. for FOD-unique business office environments, production and development
- ▶ Maintenance on NASA-supplied IT equipment
- ▶ Interface with NASA-provided IT resources and systems



# PROPOSED JOIST CONTRACT

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- ▶ Solicitation Number: NNN17580323R
- ▶ NAICS Code and Size Standard
  - ▶ The NAICS Code is 541512 – Computer Systems Design Services
  - ▶ The size standard is \$27.5 million
- ▶ Period of Performance contemplated is 10/01/2017 – 09/30/2022
- ▶ Contract Types: TBD



# 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.

# TECHNICAL OVERVIEW (PROPOSED JOIST CONTRACT)

*Joy Barckholtz*

PDT Chair





# JOIST OVERVIEW

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- ▶ The Flight Operations Directorate of the NASA, Johnson Space Center (JSC) is considering a new contract Joint Operations & Integrated Systems Technology (JOIST).





# JOIST OVERVIEW – CONT'D

- ▶ The following contracts may be combined into JOIST in their entirety:
  - ▶ The NASA Aircraft Management Information System (NAMIS), NNJ13JB36B/NNJ15JA06B
  - ▶ The Advanced Technology & Integration Contract (ATIC), NNJ14RA02C
- ▶ Sections of the following contracts may be combined into JOIST in part:
  - ▶ The Facilities Development and Operations Contract (FDOC), NNJ09HD46C (including, but not limited to Statement of Work (SOW) Section 2.7)
  - ▶ The Neutral Buoyancy Laboratory (NBL)/Space Vehicle Mockup Facility (SVMF) Operations Contract (NSOC), NNJ10HD35C (including, but not limited to SOW Section 2.9)



# JOIST TIER STRUCTURE

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The JOIST contract includes the following three tiers of development, sustaining, and maintenance for software, systems, and support:

**Tier 1:** Highly-Specialized Operations Systems  
Technology, Software, & Support

**Tier 2:** Specialized Management and Mission Support  
Services

**Tier 3:** Advanced Research and Development  
Technology Support



# JOIST TIER STRUCTURE – CONT'D

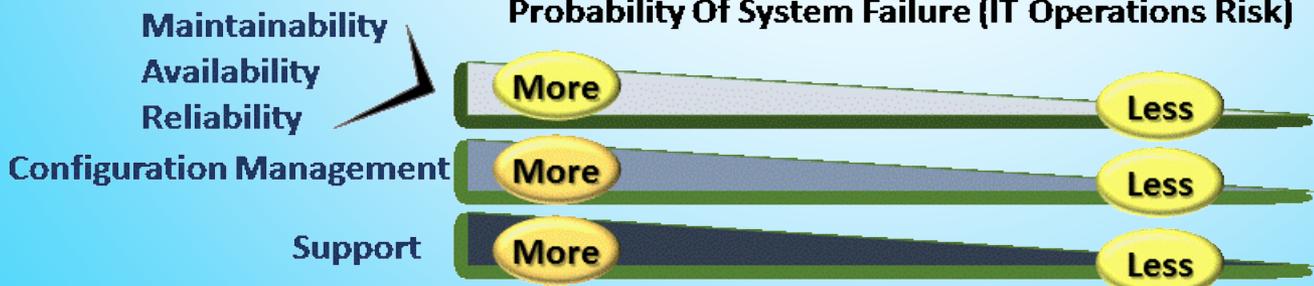
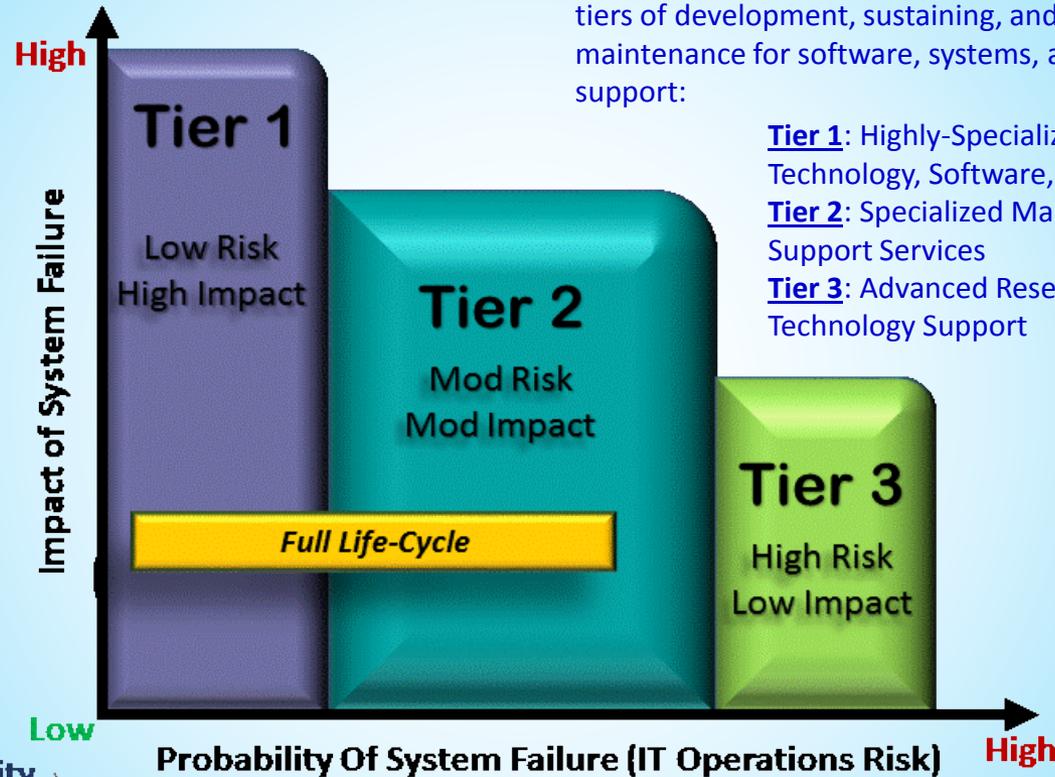


The JOIST contract includes the following three tiers of development, sustaining, and maintenance for software, systems, and support:

**Tier 1:** Highly-Specialized Operations Systems Technology, Software, & Support

**Tier 2:** Specialized Management and Mission Support Services

**Tier 3:** Advanced Research and Development Technology Support





# JOIST TIER STRUCTURE – TIER 1



## **Tier 1: Highly-Specialized Operations Systems Technology, Software, & Support**

**Highly Ordered**

**Highly Responsive**

**Low Operational System Risk/High Impact**

Custom, as opposed to COTS or commodity IT systems or applications, and includes complex coding/applications and/or the complex integration of COTS components that are integral parts of the mission support requirements of NASA and/or its external government or commercial enterprise partners.



# JOIST TIER STRUCTURE – TIER 1, CONT'D

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1. Highly-specialized operations systems technology software, herein known as JOIST Tier 1 Software, to a Capability and Maturity Model Integration (CMMI) Level 3 quality assurance standard with an independent certification of CMMI-Level 3 or better.
2. Software/applications on IT infrastructure meeting or exceeding government-specified highly-available uptime requirements among distinct (a) development environments, (b) integration & test environments, and (c) operational hosting environments.



# JOIST TIER STRUCTURE – TIER 2



## Tier 2: Specialized Management and Mission Support Services

|                 |                 |  |
|-----------------|-----------------|--|
| Highly Flexible | Very Responsive | Moderate Operational System Risk/Moderate Impact |
|-----------------|-----------------|--|

Specialized IT not offered or not provided by the NASA Agency or JSC local IT Enterprise organizations or its contractors.

1. End user support services, help desk services
2. Back-end enabling infrastructure administration and support
3. Government Furnished Equipment (GFE) IT support
4. COTS and custom software development and support



# JOIST TIER STRUCTURE – TIER 2 CONT'D

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5. Logistical support services including, but not limited to,
  - ▶ Facility utilization optimization support
  - ▶ Technical, schedule, and budgetary efficiency services and support
  - ▶ Consolidated Capital Planning & Investment Control (CPIC) support, including cross-organizational CPIC interface reporting
  - ▶ IT Security Planning and risk management support, including cross-organizational IT security compliance reporting
6. Quick turnaround, real-time, multi-media training and mission products to support Astronaut Office and Programs



# JOIST TIER STRUCTURE – TIER 3



## Tier 3: Advanced Research and Development Technology Support

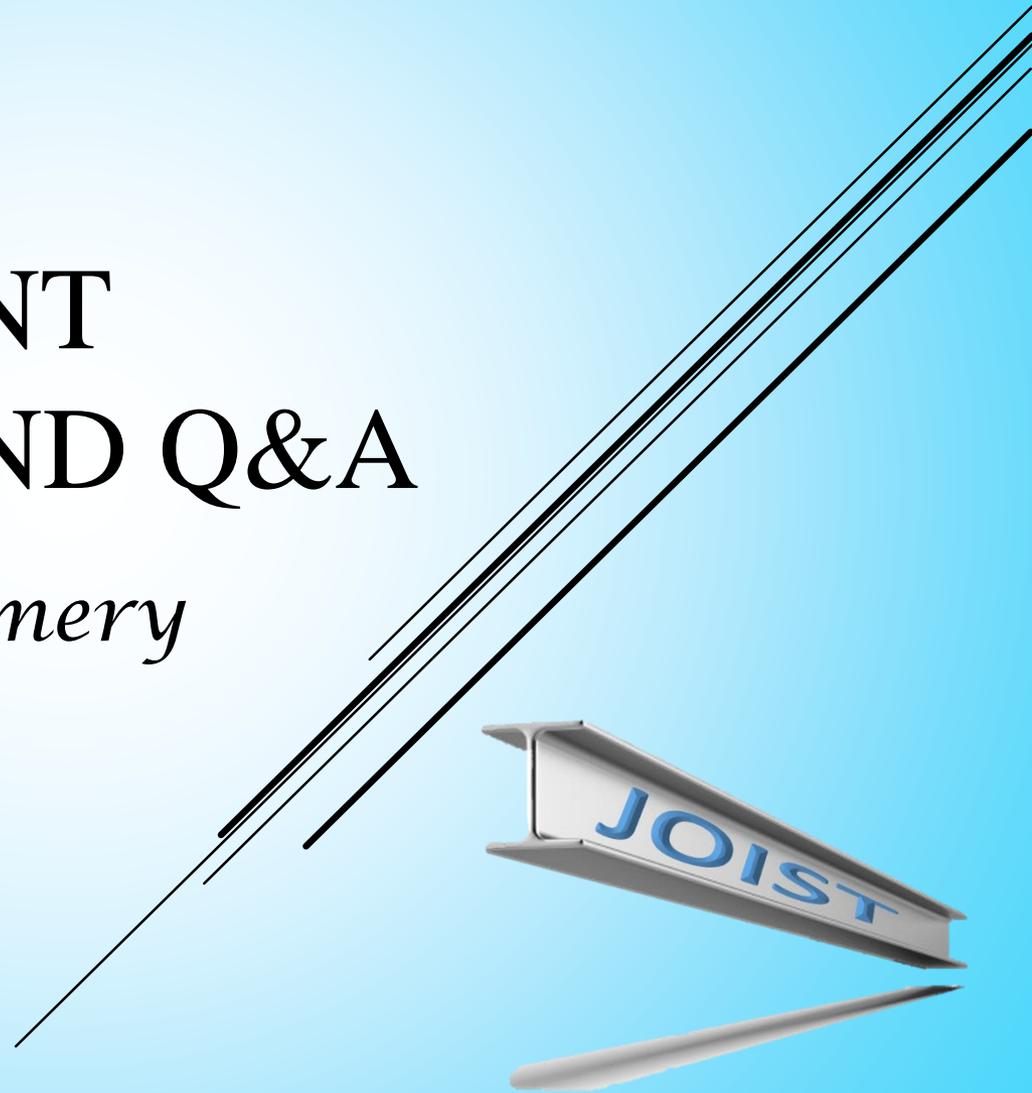
|                 |            |   |
|-----------------|------------|---|
| Highly Entropic | Responsive | High Operational System Risk/Low Impact |
|-----------------|------------|---|

Prototype paradigm-shifting software and supporting hardware development and technology research, in the pursuit of next-generation mission operations design solutions for improving the effectiveness and efficiencies of mission operations systems and other systems.

1. Design, development, testing, integration and delivery of advanced technologies
2. Highly specialized custom software engineering
3. Research & Development of applications and solutions

# PROCUREMENT SCHEDULE AND Q&A

*Audrey C. Montgomery*  
Contracting Officer





# PROCUREMENT SCHEDULE

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- ▶ The Government does intend to issue a Draft Request For Proposal (RFP)
- ▶ Following the release of the Draft RFP, Industry will have an opportunity to submit anonymous questions in writing so that the Government may officially respond
- ▶ A more detailed procurement schedule will be posted to the JOIST website as soon as it is available

# QUESTION AND ANSWER SESSION





# ONE-ON-ONE COMMUNICATION WITH INDUSTRY

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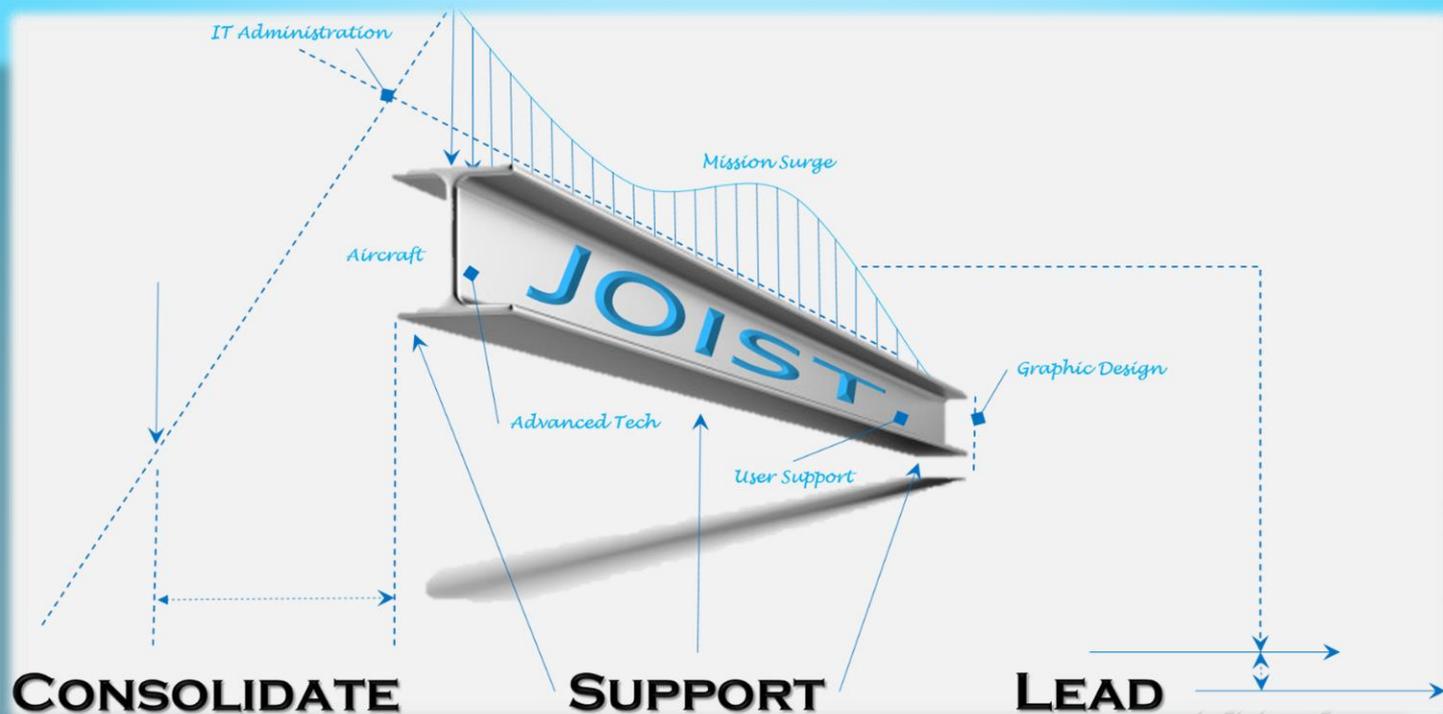
- ▶ Gilruth Discovery Room
- ▶ No more than 5 individuals may represent any party or team of parties
- ▶ Only one meeting will be allowed per company
- ▶ Meetings will not exceed 30 minutes in length



# HOW TO GET CONNECTED

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- ▶ **JOIST Procurement Website:**
  - ▶ <http://procurement.jsc.nasa.gov/JOIST/>
- ▶ **NASA/JSC Business Opportunities Home Page**
  - ▶ Set up your user profile
  - ▶ <https://www.fbo.gov/index?s=agency&mode=form&tab=notices&id=34de981bb83d53e6d98ae2f313077e73>
- ▶ **Federal Business Opportunities Homepage (Fed Biz Opps)**
  - ▶ <https://www.fbo.gov/>
- ▶ **JSC Procurement Website**
  - ▶ <http://procurement.jsc.nasa.gov/>
- ▶ **JSC Office of Small Business Programs**
  - ▶ <http://procurement.jsc.nasa.gov/smbus.html>



THANK YOU FOR  
ATTENDING!

Visit:

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