



Wallops Range Operations Services Industry Day

NASA/GSFC/Wallops Flight Facility



Technical Lead: Steven Kremer

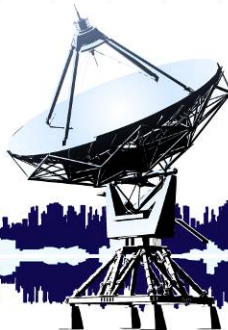
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September 04, 2008

WALLOPS RANGE OPERATIONS SERVICES

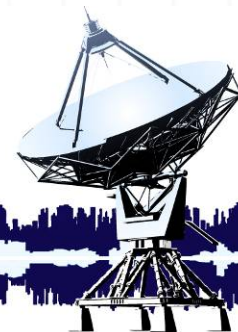




Disclaimer



In the event of any inconsistency between data provided in these charts or today's tour and the Final RFP, the language in the Final RFP, including any amendments, will govern.

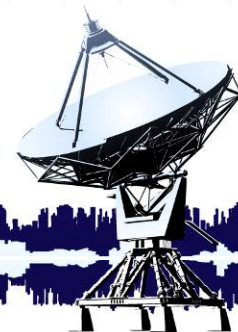




Today's Logistics

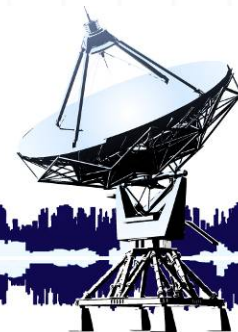


- Four exits to the building
- Restrooms down the hallway to your right
- Cafeteria open from 11AM – 1PM
- Tour divided alphabetically by company name
 - A-J Morning Tour/Afternoon Presentation
 - K-Z Morning Presentation/Afternoon Tour
- This presentation will be placed in procurement library
- Please silence all cell phones
- Please do not interfere with employees performing their job
- No verbal questions – PLEASE submit in writing to CO
- Please sign the attendance list in the lobby





**First tour group can now follow
your tour guides**

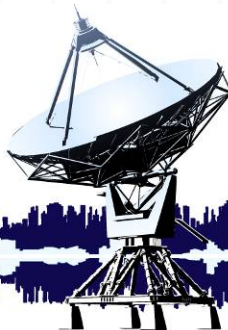




Today's Presentation Agenda



- Overview
 - Wallops Vision/Mission
 - Range Services
- Technical Overview (SOW/RTOs)
 - Various Asset Locations
- Procurement Overview
- Adjourn (both groups)



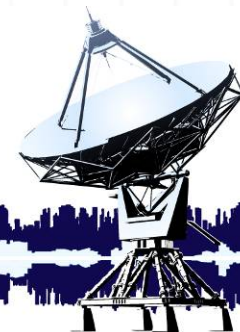


Facility Overview



Three Major Parcels (6000 Acres)

- Wallops Main Base (1900 Acres)
 - Administrative and Technical Offices
 - Tracking and Data Acquisition
 - Range Control Center
 - Ordnance Storage/Processing
 - R&D, Processing Facilities
 - Research Airport
 - Navy Administration/Housing
 - Coast Guard Housing
- Wallops Island (3000 Acres)
 - Launch Sites
 - Blockhouses
 - Radar and Optical Tracking
 - Processing Facilities
 - Navy Operational Facilities
- Wallops Mainland (100 Acres)
 - Radar and Command/Communications
 - Optical Tracking
- Marshland (1000 Acres)



WALLOPS RANGE OPERATIONS SERVICES



Wallops Vision and Mission

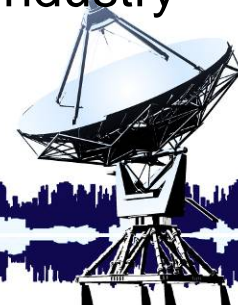


Vision

- Wallops Flight Facility will be a national resource for enabling low-cost aerospace-based science and technology research

Mission

- Provide low-cost, highly capable suborbital & orbital carriers, mission management, and mission services to enable Earth and space science research
- Provide advanced aerospace technology development, testing, operational support, and facilitation of the commercial launch industry to enable frequent, safe, and low-cost access to space
- Support other NASA goals and objectives by providing science and technology education and outreach programs, including innovative partnerships with academia, other Government agencies, and industry

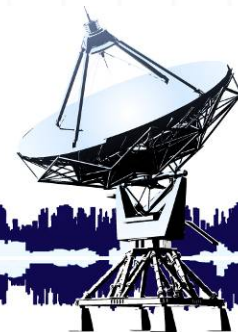




Wallops Programmatic Characteristics



- Highly responsive flight programs (days, weeks, or months)
- Flexible science carriers and operations capabilities
- High volume of missions (>100 active missions continuously)
- Lower cost, higher risk missions (managed risk)
- High degree of in-house capabilities
- Worldwide mission implementation
- High inter-reliance among programs
 - Programs support and compliment each other
 - Shared personnel and multi-program facilities

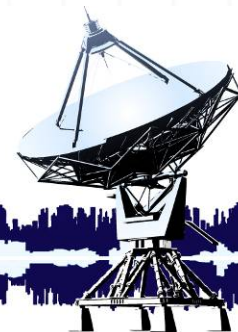




Wallops Range Services Overview

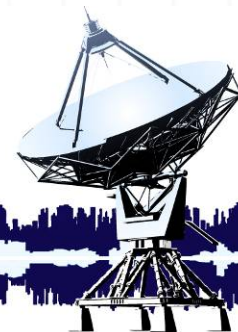


- Wallops Range Operations Services provides operations, maintenance and engineering of the Range instrumentation.
- Range instrumentation includes meteorological, telemetry, radar, command, range control, optical, and air traffic management systems in support of NASA, DoD, University, and commercial launch and flight projects.
- Wallops mobile range instrumentation assets enable Range services at other locations around the world.





Technical Overview (SOW and RTOs) of DRFP NNG08214467J



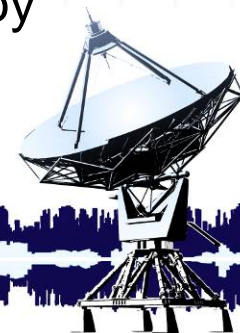


Technical Overview

SOW Background



- Goal and Objectives for the Range Operations Contract (ROC)
 - Goal: Ensure every customer using ROC services are safely successful
 - Objectives: Decrease costs and increase service capability, maintain or improve operational proficiency and flexibility, and increase systems reliability
 - This contract is performance-based
- Statement of Work Structure
 - SOW contains scope of contract services required
 - Indefinite Delivery Indefinite Quantity (IDIQ) task orders met by implementing SOW elements required



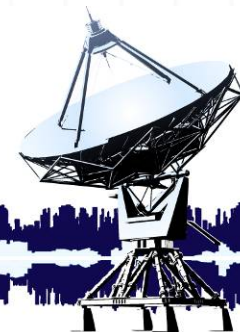


Technical Overview

SOW Background (continued)



- Section 1 – Description of Services
- Section 2 – General
- Section 3 – Program Management
- Section 4 – Integrated Range Services Management
- Section 5 – Range Engineering Services
- Section 6 – Telemetry Operations Services
- Section 7 – Radar Operations Services
- Section 8 – Range Control Center Services
- Section 9 – Range Communications, Timing, and Command Services
- Section 10 – Photography, Video, Optical Tracking, Television, and Production Lab Services
- Section 11 – Meteorological Services
- Section 12 – Mobile Electric Power and Hydro-Mechanic Services
- Section 13 – Air Traffic Management Services
- Section 14 – Wide Area Network Services
- Section 15 – Logistics Support Services



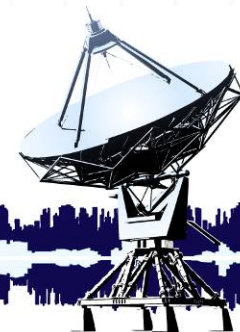


Technical Overview

RTO #1 – Wallops Range Operations



- **Instructions** – Deliver a Task Implementation Plan (TIP) and an associated Cost Proposal
- **Period of Performance** – July 9, 2009 through July 8, 2014
- **Task Assignment** – Provide services as specified in the SOW to meet the mission set and associated requirements detailed or referenced in the RTO and the performance metrics defined in the SOW



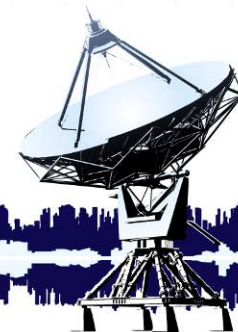


Technical Overview

RTO #2 – Range Services for Minotaur Launch



- **Instructions** – Deliver a Task Implementation Plan (TIP) and an associated Cost Proposal
- **Period of Performance** – August 1, 2009 through March 1, 2010 (Launch occurs on February 1, 2010)
- **Task Assignment** – Provide services as specified in the SOW to meet the Minotaur launch range services requirements detailed or referenced in the RTO and the performance metrics defined in the SOW



WALLOPS RANGE CONTROL ASSETS



Range Control Center



Control Tower



**Aeronautical
Control Center**

WALLOPS MAIN BASE FIXED RADAR ASSETS



Radar 18



**Surveillance Radar
(Airspace)**

WALLOPS ISLAND FIXED RADAR ASSETS



Radar 5



**Airport
Surveillance Radar**

**Blockhouse 3
Pad 3**

Blockhouse 2

Pad 2

Blockhouse 1

Pad 1

Pad 0-A



**Pathfinder Ocean
Surveillance Radar**



Radar 3

Pad 0-B

WALLOPS FIXED TELEMETRY ASSETS



2.4-Meter

7.3-Meter #1

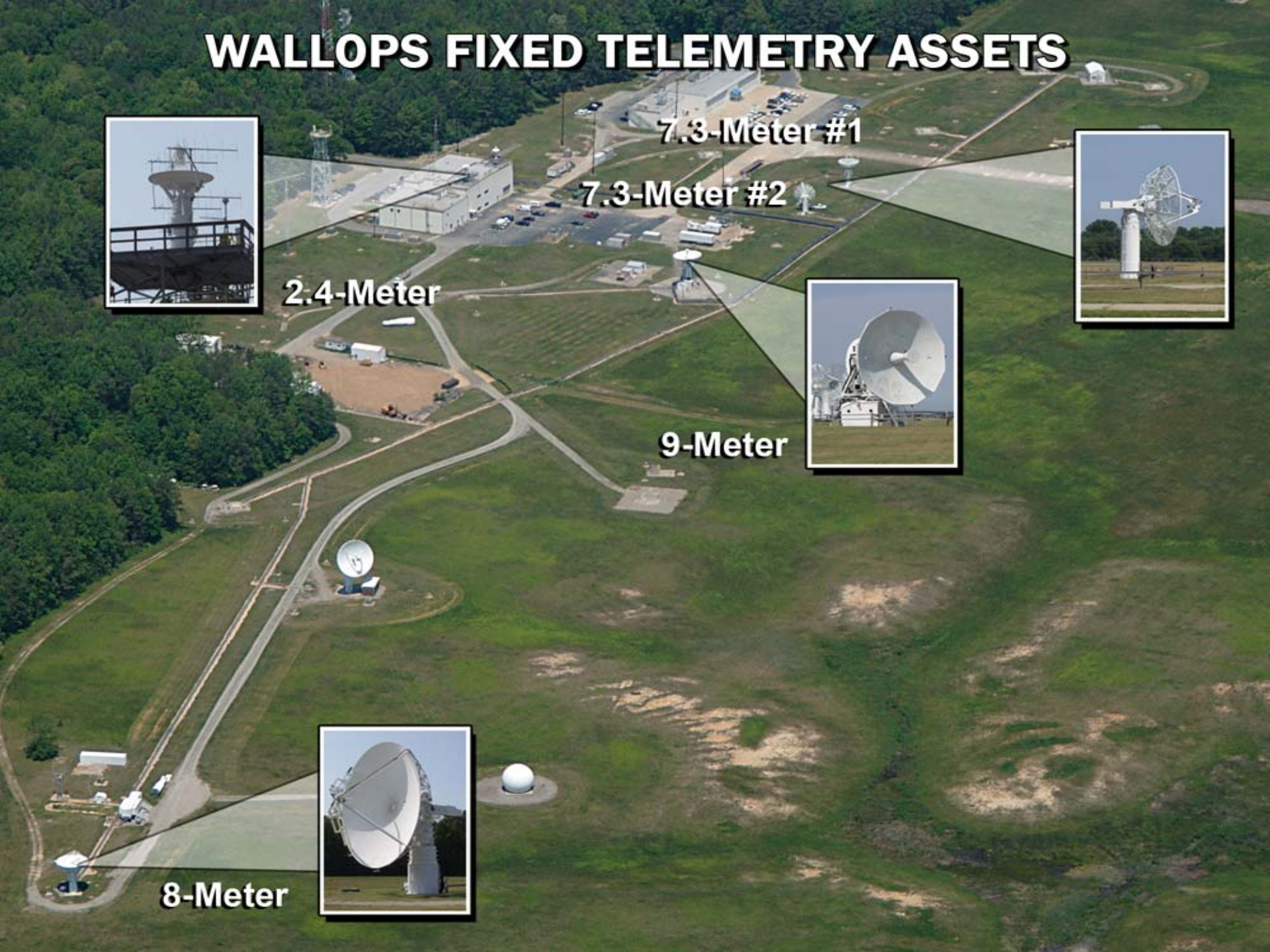
7.3-Meter #2



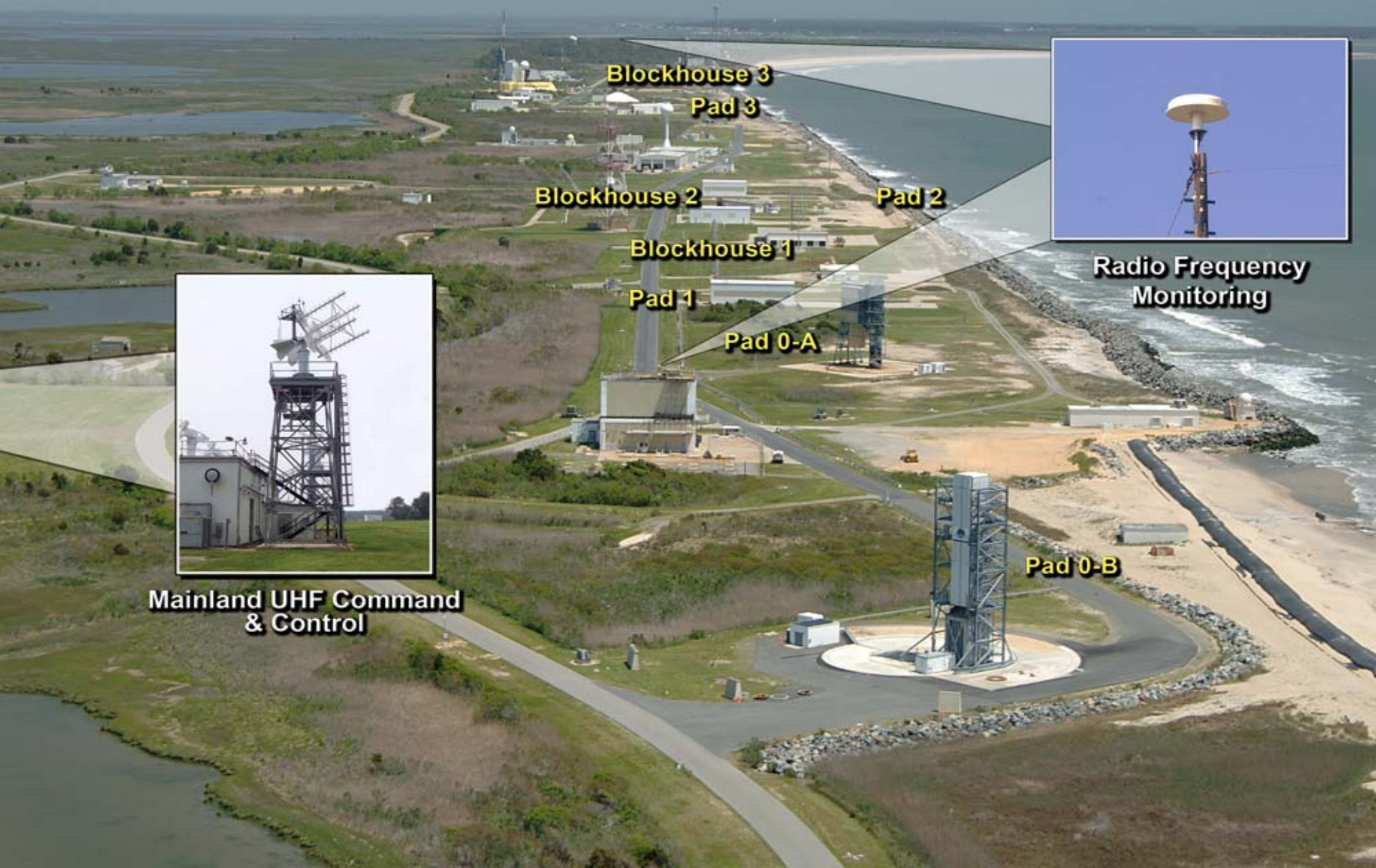
9-Meter



8-Meter



WALLOPS ISLAND COMMAND & FREQUENCY MONITORING ASSETS



Blockhouse 3
Pad 3

Blockhouse 2
Pad 2

Blockhouse 1

Pad 1

Pad 0-A

Pad 0-B



Mainland UHF Command
& Control



Radio Frequency
Monitoring

WALLOPS COMMAND & FREQUENCY MONITORING ASSETS



**UHF Command Receive
& Frequency Monitoring**



**Radio Frequency
Monitoring**

WALLOPS METEOROLOGICAL ASSETS



2.4-Meter



**Met Ops
Balloon Launch Facility**

WALLOPS ISLAND METEOROLOGICAL ASSETS



Blockhouse 3
Pad 3

Blockhouse 2
Pad 2

Blockhouse 1

Pad 1

Pad 0-A

300-Foot
Anemometer Tower

Pad 0-B



Met Ops Balloon Launch Facility



SPANDAR Meteorological Radar

WALLOPS OPTICAL ASSETS



Camera Station 9
Mainland Next to Radar 5



Camera Station 15



Camera Station 2

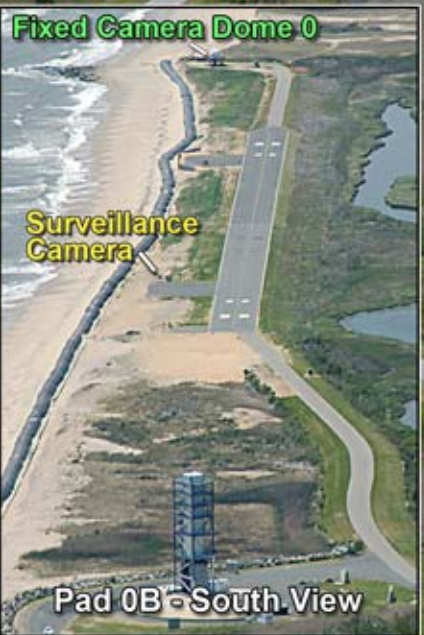


Mobile Dome
2 Locations:
West of Pad 0-B
South of Pad 0-B



Camera Station 4
Mainland Next to SPANDAR

WALLOPS ISLAND SURVEILLANCE UNIT LOCATIONS



WALLOPS RANGE ASSETS AT POKER FLAT

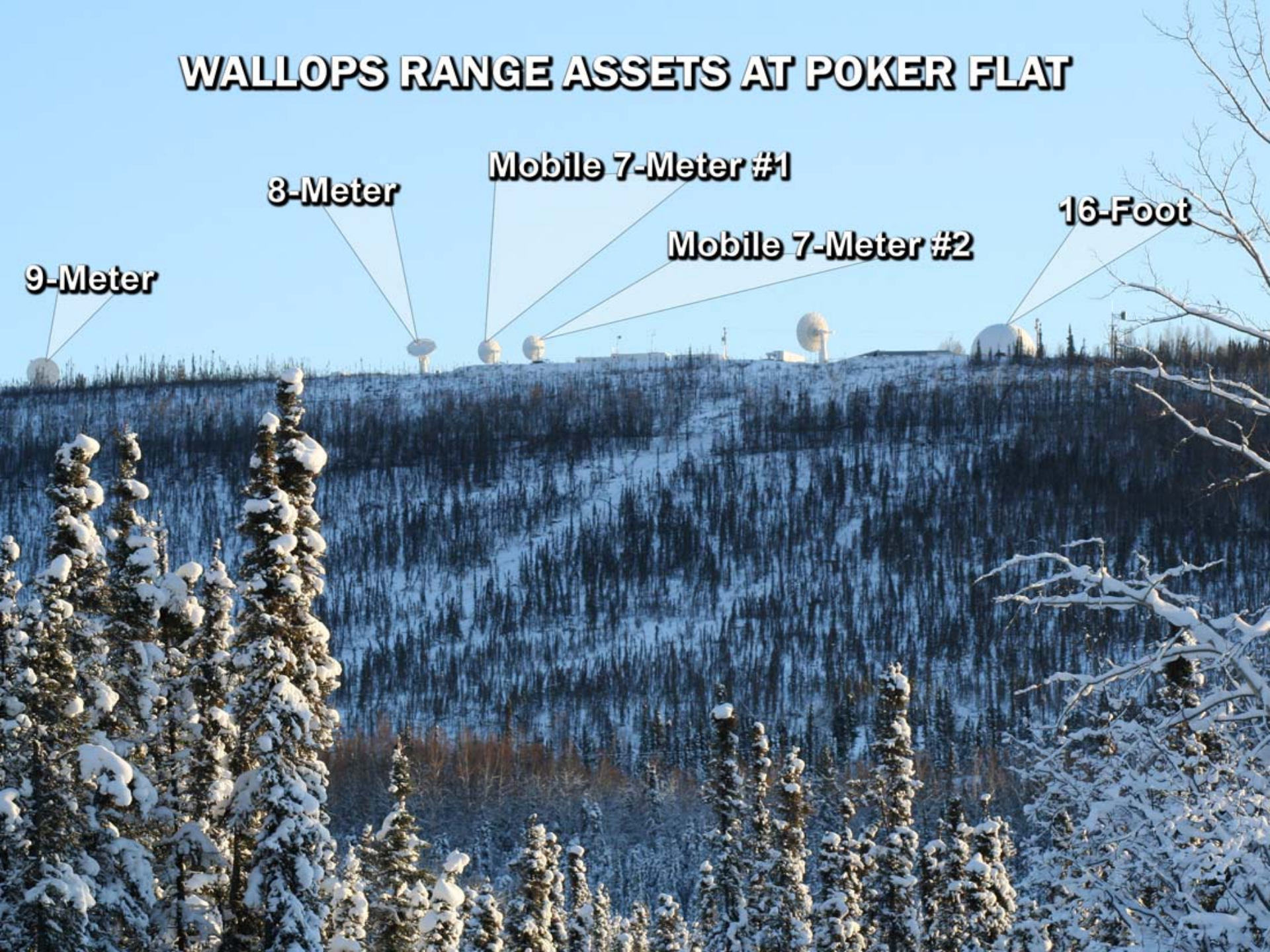
9-Meter

8-Meter

Mobile 7-Meter #1

Mobile 7-Meter #2

16-Foot



WALLOPS MOBILE ASSETS AT BERMUDA

Mobile
Telemetry System



Mobile
Radar
System



Mobile
Radar
System



Mobile Power System



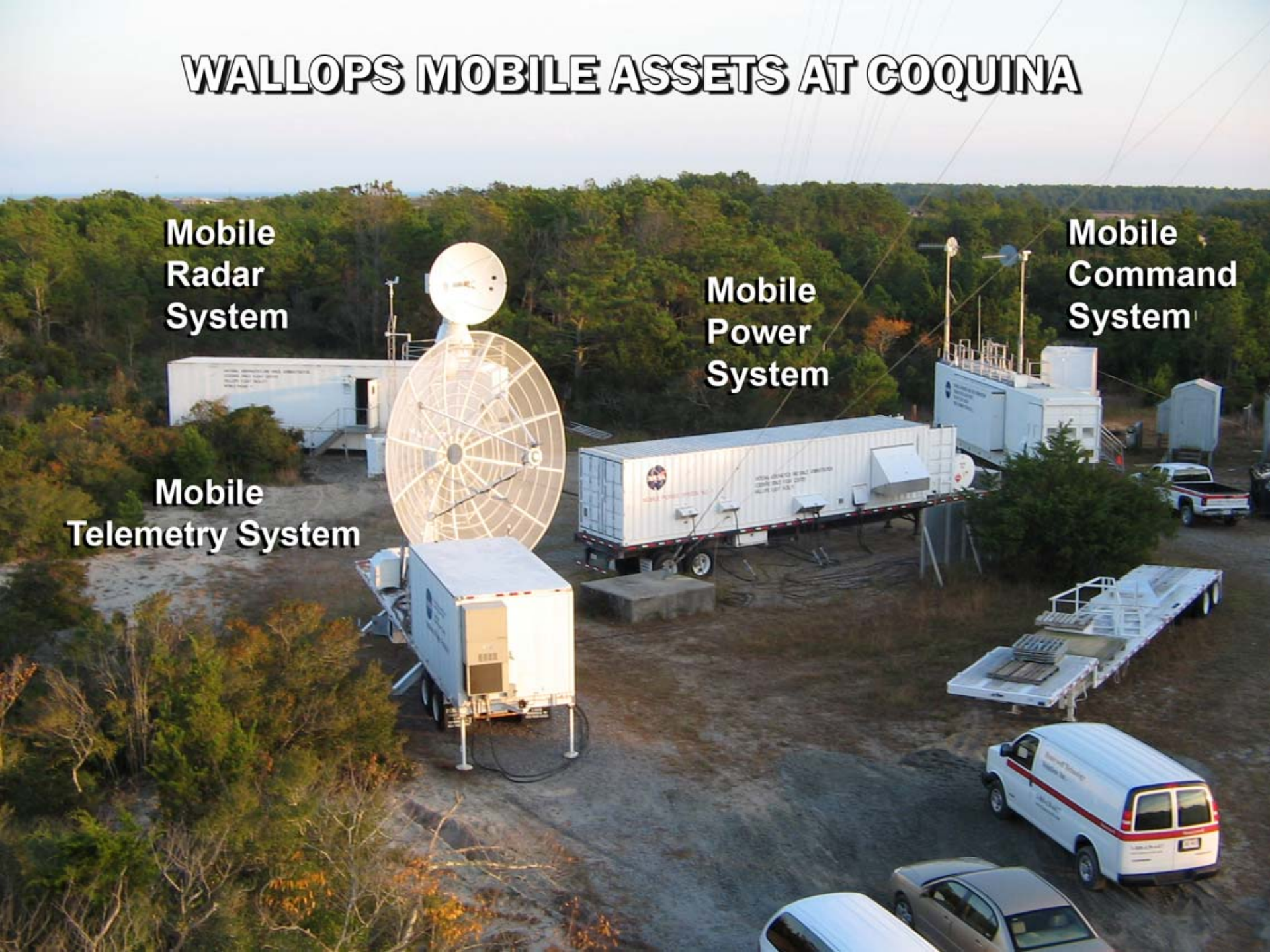
WALLOPS MOBILE ASSETS AT COQUINA

Mobile
Radar
System

Mobile
Command
System

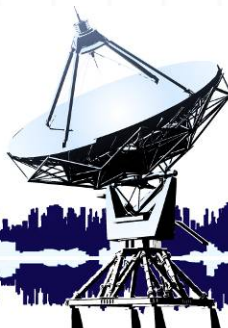
Mobile
Power
System

Mobile
Telemetry
System





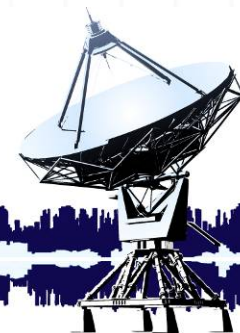
Today's Wallops Range Customers



WALLOPS RANGE OPERATIONS SERVICES

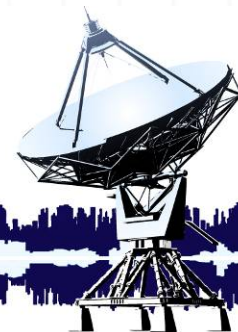


Future Wallops Range Customers





Procurement Overview of DRFP NNG08214467J



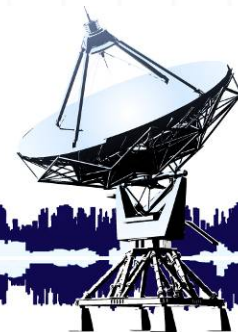


Procurement Overview

Wallops' Requirement



- The Wallops Flight Facility provides launch and research Range services to NASA and other Government and non-Government organizations.
- The Range operations will meet current and future commitments to NASA and external customers.
- Development of the Range providing NASA a Research Range for the future.



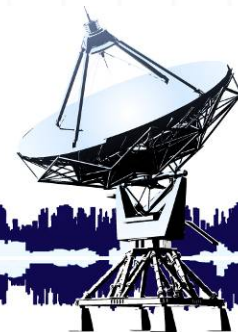


Procurement Overview

RFP Information



- Cost Reimbursable, Award Fee, Indefinite Delivery, Indefinite Quantity Contract
(CP/AF IDIQ)
- The period of performance is 5 years – No options
- Full and Open Competition
 - NAICS Code – 517919 Other Telecommunications \$23M
- We Anticipate Small Business Participation
 - Note Small Business Clauses included in Sections H and I
- Work is ordered through the Wallops Institutional Information Management System (WIIMS)



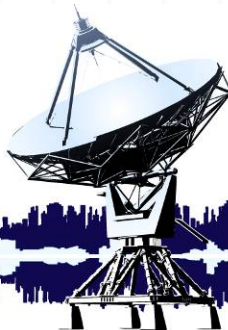


Procurement Overview

Activities to Date



- Sources Sought Synopsis posted 01 April 2007
- Updated Synopsis posted 21 April 2008
- Draft RFP posted 12 August 2008
- Industry Day on 04 September 2008



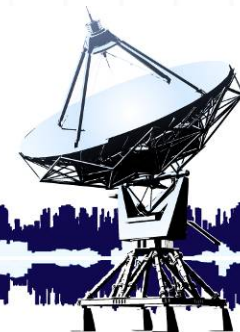


Procurement Overview

Anticipated Schedule



- Final RFP Release Mid October 2008
- Proposals Received Late November 2008
- Selection 30 April 2009
- Phase-In Award (separate PO) 09 May 2009
- Phase-In Complete 08 July 2009
- Start of Technical Performance 09 July 2009



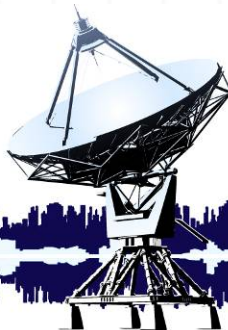


Procurement Overview

RFP Information (continued)



- A Range Services Bridge Contract is being implemented to continue work while this Range Services Contract is established
- Phase-In
 - A separate fixed price contract for the 60 day phase-in awarded to the contractor selected
 - Hiring, Training and Preparing for Day 1
 - Seamless Transition
 - Partnering Atmosphere



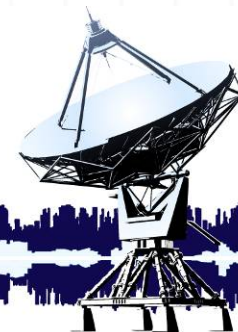


Procurement Overview

Overall Evaluation



- Innovative, Technical, Business, and Management
- Cost Effective
- Source Selection Procedures
 - FAR 15.3 and NFS 1815.3
 - Award Based on Initial Offers
- Mission Suitability Factor – Points
 - Technical Capabilities 500
 - Management Plan 300
 - Safety and Health Plan 100
 - Small Business Subcontracting Plan 100



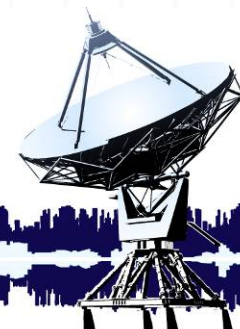


Procurement Overview

Overall Evaluation (cont)



- **Mission Suitability Factor**
 - Cost realism will be used to evaluate costs
 - There will be no point deduction for cost realism applied to this factor
- **Past Performance Factor**
 - **Evaluation Scale:**
 1. Very High Level of Confidence
 2. High Level of Confidence
 3. Satisfactory Confidence
 4. Very Low Confidence or No Confidence
 5. Neutral/Unknown Confidence





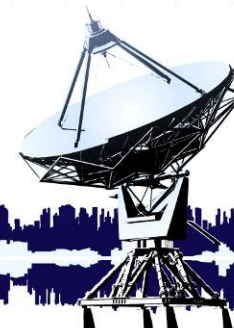
Procurement Overview

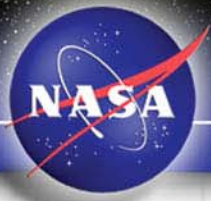
Subcontracting Goals



- The Contracting Officer's assessment of appropriate subcontracting goals for this acquisition, expressed as a percent of IDIQ MAXIMUM ORDERING VALUE, is as follows:

Small Businesses	15%
<i>The following subcategories are inclusive of the above Small Business percentage</i>	
*Small Disadvantaged Business Concerns (Includes SDBs in both targeted and non-targeted areas.)	6.0%
Women Owned Small Business Concerns	3.5%
Historically Black Colleges and Universities	0.5%
HUBZone Small Business Concerns	0.5%
Veteran Owned Small Business Concerns	1.5%
Service-Disabled Veteran-Owned Small Business Concerns	0.5%
Other Small Business Concerns	2.5%



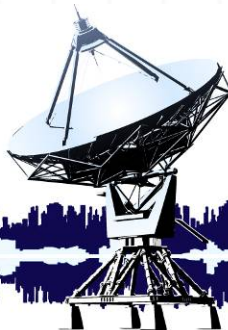


Procurement Overview

Relative Order of Importance of Evaluation Factors



- The Cost Factor is significantly less important than the combined importance of the Mission Suitability Factor and the Past Performance Factor.
- As individual factors, the Cost Factor is less important than the Mission Suitability Factor, but more important than the Past Performance Factor.



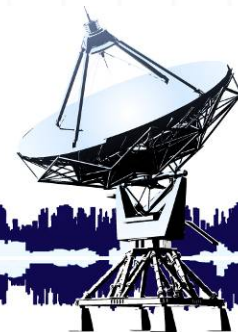


Procurement Overview

Cost Evaluation



- Centered around RTO 1 and 2
- Task orders issued for extraordinary requirements
- Government provided plug numbers for Travel and Material
- Basis of Estimates – insight into the cost estimating processes and methodologies as they relate to the technical approach



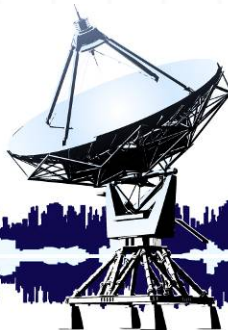


Procurement Overview

Miscellaneous



- Check Websites periodically for pertinent and most recent information
- Until release of the Final RFP, Offerors may continue to communicate with Government personnel
- Upon release of the Final RFP, all Government personnel associated with the acquisition shall refrain from communicating with prospective Offerors and refer all inquiries to the Wallops Range Operations Services Contracting Officer
- All inquiries shall be submitted to the Wallops Range Operations Services Contracting Officer in writing





Wrap-up



- Thanks
- Any questions can be submitted today on the provided cards or later in writing to the Contracting Officer

