

Central-Process Recertification, Operation and Maintenance (CROM)



Industry Day Presentation
February 23, 2015

Industry Day Agenda

- *Glenn Research Center (GRC) Basic Information, History & Core Competencies*
- *GRC Real Property Details*
- *GRC Maintenance Contract Structure*
- *GRC Operations & Maintenance Organizational Structure*
- *CROM RFP Overview*
- *CROM Statement of Work Overview*
- *CROM Section J “Attachments” Overview*
- *Questions*
- *Walking Tour (ERB & CAEB)*

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GRC Basic Information, History & Core Competencies

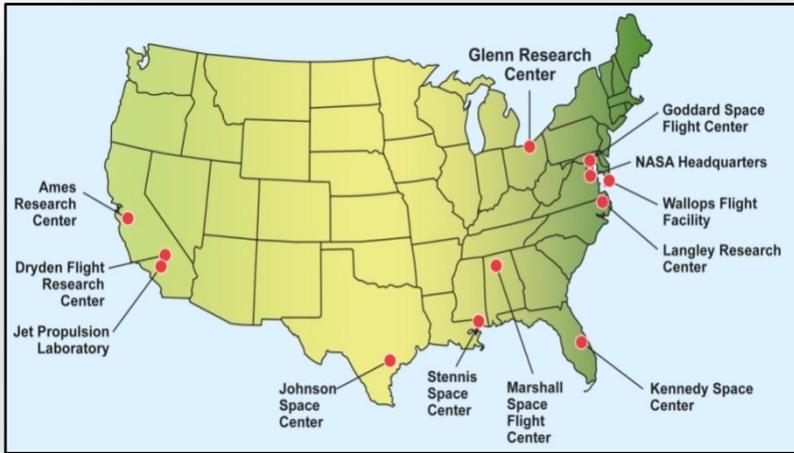


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Glenn Research Center (GRC)



Ten Major NASA Centers



GRC Consists of Two Sites



6,400 acres



**Plum Brook Station
Sandusky, Ohio**

342 acres



**Lewis Field
Cleveland, Ohio**

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GRC Lewis Field History



- ***Established in 1942 as part of the National Advisory Committee for Aeronautics***
- ***Focus on research & technology for aero propulsion***
- ***Named after George W. Lewis, Head of NACA***



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GRC Lewis Field History



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GRC's Current Core Competencies

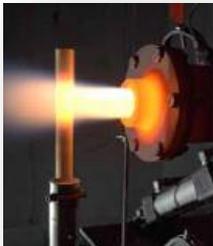
**Communications
Technology &
Development**



**Power, Energy
Storage &
Conversion**



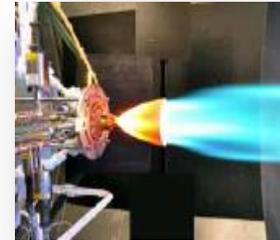
**Materials and
Structures for
Extreme
Environments**



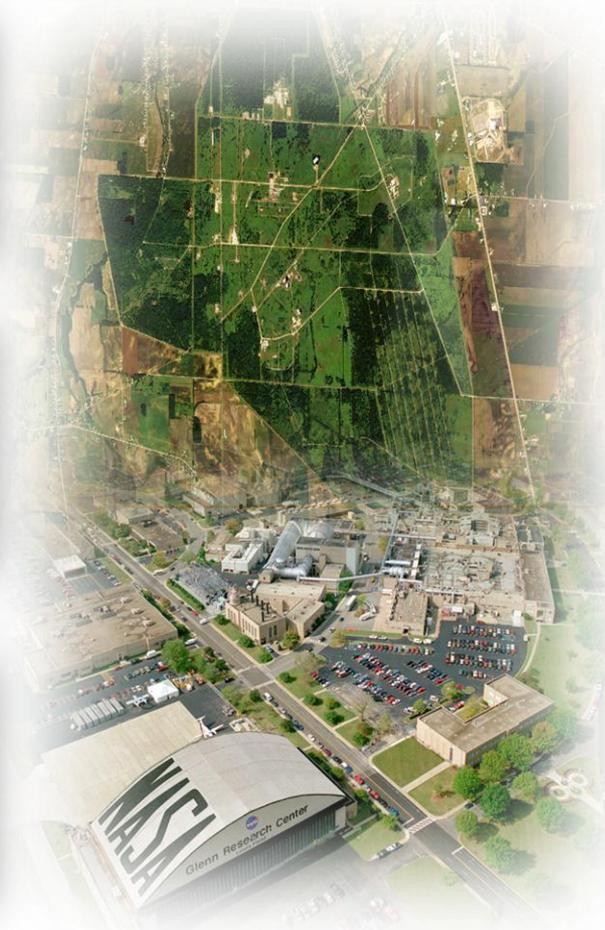
**Air-Breathing
Propulsion**



**In-Space
Propulsion &
Cryogenic Fluids
Management**



**Physical
Sciences &
Biomedical
Technologies in
Space**



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GRC Real Property Details



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GRC Lewis Field Real Property

- ***“Major CPS Operations” Buildings: B5, B9, B23, B37, B38, B64, B114, B143***
- ***Electrical Substations: 12***
- ***Major Cooling Towers: 5***

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GRC Lewis Systems

- ***Combustion Air***
- ***Atmospheric Exhaust***
- ***Altitude Exhaust***
- ***Service Air***
- ***Cooling Tower***
- ***High Voltage Distribution (Control only)***
- ***Variable Frequency***
- ***Pressure Vessels and Systems, Research & Institutional (e.g., Propellants, Fuel distribution, inert, etc..)***
- ***High Pressure Steam (Certification only)***

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GRC Maintenance Contract Structure



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Current GRC Facility Contracts

- **GRC currently has five (5) Engineering, Operations & Maintenance contracts:**
 - **Glenn Engineering Support Services III (GESS III)**
 - **Test Facilities Operations & Maintenance (TFOME) Contract**
 - **Facilities Operations, Repair & Maintenance II (FORM II) Contract**
 - **Implementation, Maintenance, Operations of Central-Process System (IMOC) Contract**
 - **Glenn Pressure Systems Certification (GPSC) Contract**
 - » **IMOC and GPSC are being combined into CROM**



GRC Operations & Maintenance Organizational Structure



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GRC's O&M Organization

- **Maintenance Program Manager**
 - *GRC Point of Contact with NASA Headquarters*
- **Pressure Systems Manager (PSM)**
 - *GRC Point of Contact for Pressure Systems*
- **Systems Managers**
 - *Senior level engineers that are responsible for all aspects of assigned systems (equipment and system requirements, operating policies & procedures, configuration control, systems maintenance, RCM, etc.)*
 - » *CPS Mechanical System Manager*
 - » *CPS Electrical System Manager*
 - » *CPS Controls Systems Manager*
 - » *High Voltage Systems Manager*
 - » *Cryogenics Systems Manager*

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GRC's O&M Organization (cont.)

- ***Building Managers***

- *Fosters communications of building related issues with building occupants and stakeholders*
- *Captures and tracks building related issues and facilitates a resolution with the SMs and the Facilities Operations, Repair & Maintenance Contractor*



CROM Primary Contacts

- ***CROM Contractor's primary Points of Contact (POC)***
 - *Contracting Officer (CO)*
 - » *Only Government individual with the authority to enter into, administer, and/or terminate this contract and make related determinations and findings*
 - *Contracting Officer's Representative (COR)*
 - » *Advisor to the CO regarding schedule and financial matters associated with the contract.*
 - » *Contractor's primary POC regarding the status of on-going work and the financial aspects of the contract*
 - *Alternate Contracting Officer's Representative (ACOR)*
 - » *Acts as the COR in his/her absence*
 - *Technical Representative (TR)*
 - » *Advisor to the COR regarding technical and quality matters associated with the contract.*

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CROM RFP Overview



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CROM Contract Summary

Title:	Central-Process Recertification, Operation and Maintenance (CROM)
Place of Performance:	NASA Glenn Research Center, Lewis Field (Pressure Systems at Plum Brook Station)
Contract Type:	Cost Plus, Fixed Fee & IDIQ,
Procurement:	Total Small Business Set-Aside
NAICS Code:	561210 (Facilities Support Services)
Contract Period:	Five (5) years (Including options)
Phase-in:	Thirty (30) days

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Performance Period

- **Five (5) Year Performance Period:**

- *Phase-In Period* 09/01/2015 – 09/30/2015
- *Base Period* 10/01/2015 – 09/30/2017
- *Option Period 1* 10/01/2017 – 09/30/2018
- *Option Period 2* 10/01/2018 – 09/30/2019
- *Option Period 3* 10/01/2019 – 09/30/2020
- *6-Month Option to Extend* 10/01/2020 – 03/31/2021

- **Phase-In Period (maximum of 30 days)**

- *If cost proposed, it shall be on a Firm Fixed-Price basis*

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Government Request For Proposal (RFP) Format

<u>Section</u>	<u>Title</u>	<u>Comments</u>
A	Solicitation/Contract Form	
B	Supplies or Services & Prices/Cost	
C	Descriptions/Specs/Work Statement	
D	Packaging & Marking	
E	Inspection & Acceptance	
F	Deliveries or Performance	
G	Contract Administration Data	
H	Special Contract Requirements	
I	Contract Clauses	
J	List of Attachments	
K	Representations, Certs & Other	
L	Instructions, Conditions to Offerors	<i>What Proposals must contain</i>
M	Evaluation Factors for Awards	<i>How Proposals will be evaluated</i>

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Acquisition

- **Combination of IMOC and GPSC Contract**
- **Sources Sought Notice was issued on September 25, 2014**
- **Synopsis issued on February 6, 2015**
- **Draft RFP issued on February 18, 2015**
- **Industry Day/Tour Invitation issued for February 23, 2015**
- **Important Upcoming Dates (Tentative)**
 - *Issue Final RFP* 03/27/2015
 - *Proposal Due Date* 04/27/2015
 - *Evaluations Complete* 06/12/2015
 - *Contract Award* 08/01/2015
 - *Phase-In Start* 09/01/2015
 - *Contract Start* 10/01/2015

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CROM Statement of Work Overview



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CROM Statement of Work Overview

- ***Section C – Statement of Work (SOW)***
- ***The SOW has seventeen (17) sections***
 - *Sections C.1 through C.6 provide the general requirements for the Contract*
 - *Sections C.7 through C.14 contain the operations & maintenance requirements for all of the systems*
 - *Sections C.15 through C.17 contain reporting requirements and definitions*

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CROM Statement of Work Overview

- ***Contract divided into two (2) sections:***
 - *Base Work*
 - *Indefinite Delivery, Indefinite Quantity (IDIQ)*

- ***Base Work includes:***
 - *Staffing for Base Work activities*
 - *Contract Management staffing*
 - *Minor Repair (usually under \$10K)*
 - *Base Operations, Maintenance & Certification Effort*
 - » *General Operations & Maintenance*
 - » *Preventative Maintenance (PM) & Program Maintenance (PGM)*
 - » *Certification of Systems*

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CROM Statement of Work Overview

- ***IDIQ Work includes:***
 - *Staffing for IDIQ Work*
 - *Major Repairs (usually over \$10K)*
 - *Repair of Obsolete Items (ROI)*
 - *Service Requests (SR)*
 - *Upgrades*
- ***Significant amount of Government-Furnished Property & Services (C.5)***

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CROM Statement of Work Overview

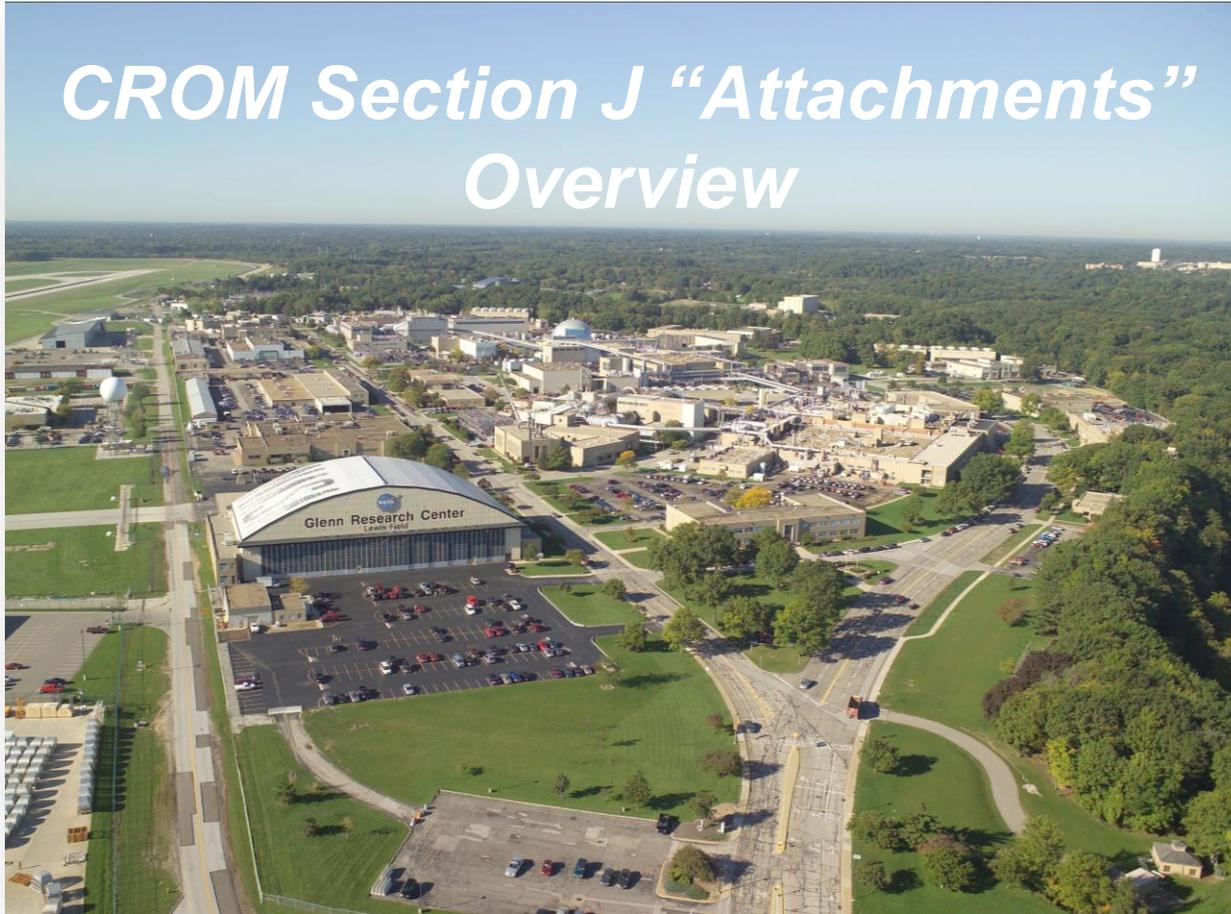
- ***Specific Activities not contained within the scope of this contract (C3)***
- ***Definition of interfaces with Government Personnel and other Government Contractors (C.4.11)***
- ***Operations & Maintenance Requirements for Central Process Systems and Equipment (C8)***
- ***Operations & Maintenance Requirements for Cryogenics Systems and Equipment (C9)***
- ***Control Requirements for High Voltage Systems and Equipment (C10)***
- ***Certification Requirements for Pressurized Vessels and Systems (C11)***
- ***Comprehensive requirements are provided for the Computerized Maintenance Management System-CMMS (C13)***

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CROM Section J “Attachments” Overview



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CROM Section J “Attachments” Overview

- ***Section J “Attachments”***
 - *EXCEL Spreadsheets*
 - *Operating Instructions*
 - *History Data*
 - *Asset Information*
 - *Pricing Templates*
 - *Forms*
 - *Policy Documents*

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CROM Section J “Attachments” Overview

- ***Section J Attachment numbering format:***
 - *Attachments J-C-1 through J-C-17 contain detailed information*
 - *Attachments are numbered according to the RFP Section Letter and the Paragraph in which they are referenced*

Example: *Attachment J-C-1.1 References Section C1.1*

- ***Some Attachments have not been included in the Draft RFP, but will be included when the Final RFP is issued***



CROM Section J “Attachments” Overview

- ***Note that some Attachments contain Government-provided information, and some Attachments are templates for Offerors to fill out and include in their proposal***

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Questions?



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