Solicitation 80KSC019R0002
Gateway Logistics Services (GLS)

Industry Day Briefing

June 26, 2019

Vision: Provide flexibility needed to support Gateway buildout and utilization, and establish baseline multi-award IDIQ contract for Artemis
Introduction

- Purpose: Increase potential Offerors’ understanding of the solicitation requirements
- Briefing is for information and planning purposes only
  - Nothing stated here today shall be construed as a commitment by the Government or as a comprehensive description of any future requirements
  - Interested parties should monitor the Federal Business Opportunities website
- Restrooms
- Emergency Exits
- Food and drinks are not permitted in the theater
Introduction

• Questions
  – Industry participants should text or email questions to the information provided at check-in
  – Questions will not be addressed in real-time during the briefing
  – All questions will be addressed at the end on a non-attribution basis

• Agenda
  – GLS Overview
  – Requirements Overview
  – Solicitation
  – Break
  – Questions and Answer Session
Explore Moon to Mars

Gateway Logistics Services
Industry Day

Mark Wiese
Logistics Element Manager
**Introduction**

- **Artemis 1:** First human spacecraft to the Moon in the 21st century
- **Artemis 2:** First humans to the Moon in the 21st century
- **First high power Solar Electric Propulsion (SEP) System**
- **First pressurized crew module delivered to Gateway**
- **Artemis 3:** Crewed mission to Gateway and Lunar surface

**Lunar South Pole Crater Target Site**

- **Commercial Lunar Payload Services**
  - CLPS delivered science and technology payloads

- **Early South Pole Crater Rim Mission(s)**
  - First robotic landing on eventual human lunar return and ISRU site
  - First ground truth of polar crater volatiles

- **Descent Element Test**
  - First large-scale lander on the Moon

- **Humans on the Moon - 21st Century**
  - First crew leverages infrastructure left behind by previous missions

**Timeline:**

- **2019**
- **2024**
Gateway is Essential for 2024 Landing

- Initial Gateway focuses on the minimum systems required to support a 2024 human lunar landing while also supporting Phase 2
- Provides command center and aggregation point for 2024 human landing
- Establishes strategic presence around the Moon – US in the leadership role
- Creates resilience and robustness in the lunar architecture
- Provides building block for the future, expanded capabilities on and around the Moon
### Integrated Artemis Manifest: 2019-2024

#### 2019
- **Sustainable Low-Earth Capability**
  - ISS MCB (transition)
  - LEO Commercialization Studies

#### 2020
- Commercial Crew Test Flights and Certification

#### 2021
- Other LEO Commercialization Activities (in work):
  - Multi-Agency Working Group through NSfC
  - ISS Capabilities Modernization
  - Government LEO Research Policy (through NSfC)
  - LEO Commercial Capabilities Solicitation

#### Development/Procurement Starts Now (2019)
- **Sustainable Lunar Orbit Staging Capability**
  - NextSTEP Hab ground prototypes complete

#### 2022
- **Sustainable Lunar Surface Exploration**
  - CLPS opportunity
  - NDL, ISRU, HPSC

#### 2023
- Artemis 1 (towed lander flight; 13 Cubesats, 1 lunar probe review)
- CLV HPC
- CLV wing mock-ups

#### 2024
- 3 CLVs
  - Tray, Decant, and Ascent Modules

#### 2025
- 3 CLVs
  - Tray, Decant, and Ascent Modules

#### 2026
- 3 CLVs
  - Tray, Decant, and Ascent Modules

#### 2027
- 3 CLVs
  - Tray, Decant, and Ascent Modules

#### 2028
- 3 CLVs
  - Tray, Decant, and Ascent Modules

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**Artemis 1**
- Crew Capability
- Orion + Service Module

**Artemis 3**
- Crew + Surface Logistics
- Human Lunar Landing

**Artemis 5**
- Crew + Surface Logistics
- Human Lunar Landing

**Artemis 7**
- 4 CLVs
- LLTV/Bridal Veil, IO, Demonstration Module

**Artemis 8**
- 4 CLVs
- LLTV/Bridal Veil, IO, Demonstration Module

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**Human Lunar Landing**
- Orion + Service Module
- LLTV/Bridal Veil, IO, Demonstration Module
- Lunar Surface Assist Deployment

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**Human Lunar Landing**
- Orion + Service Module
- LLTV/Bridal Veil, IO, Demonstration Module
- Lunar Surface Assist Deployment
Requirements Overview
Concept of Operations
GLS Requirements Approach

• Focus
  – Key required performance capabilities (e.g., upmass, power, telemetry)
  – Interfaces with NASA systems (e.g., cargo, Gateway and ground systems)
  – System safety (e.g., human safety, Gateway safety, cargo safety)

• Inform for Traceability
  – NASA Insight: continuous visibility for requirements traceability and implementation
  – Data Deliverable Requirements: provides data required for independent NASA review or approval

• Gateway Integration
  – Mission Technical Reviews: performed primarily through a series of focused reviews for system acceptance and flight/operational readiness
  – Verification & Testing: verify interface requirements with Gateway, jointly when appropriate
  – Leverage: industry standards and best practices
GLS Mission (CLIN 1) Top Level Requirements

Cargo Delivery

- Provide **multiple deliveries** to the Gateway in NRHO around the Moon
- Capability to provide **fast transit** to Gateway (launch to docking ≤ 30 days)
- Capability to **load some cargo late** (at least L-7 days)
- Accommodate powered and unpowered cargo/payloads using **standard or mission specific interfaces**

Mass & Power

- Total Mass at Gateway Arrival ≤ 14 mT
- Pressurized Cargo/Payld Mass ≥ 3.4 mT
- Unpressurized Cargo/Payld Mass ≥ 1.0 mT
- Payload/Cargo Power ≥ 1.8 kW

Visiting Vehicle

- Perform **autonomous RPOD** at the Gateway
- Dock with **Gateway Docking System compliant docking interface**
- Capability to **remain docked for up to 3 years**
- Have **power/thermal control independence**
- Provide **system functionality** for safe crew operations
- Provide a stowage system that makes **cargo readily accessible and easy to use by the crew**
- **Integrate with Artemis/Gateway systems** such as Vehicle System Manager, comm/data networks, ECLSS, internal vehicular robotics

Disposal & End of Mission

- **Dispose of trash**, mass equivalent to that delivered
- Perform **autonomous undocking and departure**
- Transport to **approved disposal orbit/location**
Specialized Missions (CLIN 2) Top Level Requirements

Specialized Delivery

- Provide **multiple deliveries** to the Gateway in NRHO around the Moon
- Capability to provide **fast transit** to Gateway (launch to docking ≤ 30 days)
- Deliver specialized payloads (i.e. **robotic arm**, other Lunar Enterprise Elements)

Visiting Vehicle

- Perform **autonomous RPOD** at the Gateway
- Dock with **Gateway Docking System compliant docking interface**
- Have **power/thermal control independence**
- Accommodate **mission specific interfaces** with Gateway and specialized payload
- Support **robotic arm self-deployment and walk-off** onto the Gateway
- **Integrate with Artemis/Gateway systems** such as Vehicle System Manager, comm/data networks, ECLSS

Mass & Power

- Total Mass at Gateway Arrival ≤ 14 mT
- Payload mass ≥ 2.2 mT
- Payload/Cargo Power ≥ 1.8 kW

Disposal & End of Mission

- Perform **autonomous undocking and departure**
- Transport to **approved disposal orbit/location**
### Statement of Work (SOW) Requirements

#### (3.0) Overall General Mission Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 Vehicle Integration</td>
<td>3.6 Risk Management</td>
</tr>
<tr>
<td>3.2 Program Management</td>
<td>3.7 Safety and Mission Assurance</td>
</tr>
<tr>
<td>3.3 Mission Integration Management</td>
<td>3.8 Configuration Management</td>
</tr>
<tr>
<td>3.4 Mission Analysis</td>
<td>3.9 Scheduling</td>
</tr>
<tr>
<td>3.5 Mission Operations</td>
<td>3.10 Public Relations</td>
</tr>
</tbody>
</table>

#### (4.0) Gateway Logistics Services (GLS) Missions (CLIN 1)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Required Capability</td>
<td>4.5 Discrepant Hardware</td>
</tr>
<tr>
<td>4.2 Cargo Integration</td>
<td>4.6 Equipment Interface Demonstration</td>
</tr>
<tr>
<td>4.3 NASA Insight and Approval</td>
<td>4.7 Data Review for Crew Privacy</td>
</tr>
<tr>
<td>4.4 Reviews</td>
<td></td>
</tr>
</tbody>
</table>

#### (6.0) Specialized Delivery Missions (CLIN 2)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1 Required Capability</td>
<td>6.5 Mission Analyses</td>
</tr>
<tr>
<td>6.2 Specialized Mission Requirements</td>
<td>6.6 Launch Site Support</td>
</tr>
<tr>
<td>6.3 NASA Insight and Approval</td>
<td>6.7 Specialized Mission S&amp;MA Requirements</td>
</tr>
<tr>
<td>6.4 Reviews</td>
<td>6.8 Specialized Mission Task Orders</td>
</tr>
</tbody>
</table>
Technical Requirements: GLS-RQMT-001

3.02 Logistics Services & System Capabilities
3.03 Autonomy and Docking
3.04 Habitable Volume
3.05 Crew Accommodations
3.06 Payloads and Cargo
3.07 Docked Operations and Interfaces
3.08 Power
3.09 Communications
3.10 Structure
3.11 Natural & Induced Environments
3.12 Safety
3.13 Design & Construction
### Data Requirements Description (DRD)

#### Required for All CLINs

<table>
<thead>
<tr>
<th>Item</th>
<th>Document</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLS-001</td>
<td>Integrated Master Plan (IMP) &amp; Integrated Master Schedule (IMS)</td>
<td>2</td>
</tr>
<tr>
<td>GLS-002</td>
<td>Mission Success Criteria &amp; Determination Methodology</td>
<td>1</td>
</tr>
<tr>
<td>GLS-003</td>
<td>Mission Integration and Operations Management Plan (MIOMP)</td>
<td>1</td>
</tr>
<tr>
<td>GLS-004</td>
<td>Safety and Mission Assurance Plan(s)</td>
<td>1</td>
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<tr>
<td>GLS-005</td>
<td>Mishap Notification, Investigation and Mishap Preparedness, and Contingency Plan</td>
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<tr>
<td>GLS-006</td>
<td>Safety Data Package (SDP)</td>
<td>1</td>
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<tr>
<td>GLS-007</td>
<td>Orbital Debris Assessment and End of Mission Disposal Plan</td>
<td>1</td>
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<tr>
<td>GLS-008</td>
<td>Safety Documentation Required by Non-NASA Entities</td>
<td>2</td>
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<tr>
<td>GLS-009</td>
<td>Safety Documentation Required for Processing in NASA Provided Facilities</td>
<td>1</td>
</tr>
<tr>
<td>GLS-010</td>
<td>Alternatives to NASA Standards and Specifications</td>
<td>2</td>
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<tr>
<td>GLS-011</td>
<td>Mass Properties Data</td>
<td>2</td>
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<tr>
<td>GLS-012</td>
<td>Verification &amp; Validation Plan</td>
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<td>GLS-013</td>
<td>Information Technology (IT) Security Management Plan</td>
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<td>GLS-014</td>
<td>Information Technology (IT) System Security Documents (ITSSDs)</td>
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<tr>
<td>GLS-015</td>
<td>Technical Imagery Plan</td>
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<tr>
<td>GLS-016</td>
<td>Post Arrival Assessment</td>
<td>2</td>
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<td>GLS-017</td>
<td>Post Departure Assessment</td>
<td>2</td>
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<tr>
<td>GLS-018</td>
<td>Post Mission Report</td>
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#### Required for CLIN 1

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<tr>
<th>Item</th>
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<tbody>
<tr>
<td>GLS-101</td>
<td>Common Configuration Integration Milestone Reviews Documentation</td>
<td>1</td>
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<tr>
<td>GLS-102</td>
<td>Mission Technical Reviews Documentation</td>
<td>2</td>
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<tr>
<td>GLS-103</td>
<td>Vehicle Interface Definition Document (IDD)</td>
<td>1</td>
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<tr>
<td>GLS-104</td>
<td>Pressurized Cargo Interface Control Document (ICD), Interface Control Agreement (ICA), or Stowage Integration Agreement (SIA)</td>
<td>1</td>
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<tr>
<td>GLS-105</td>
<td>Unpressurized Cargo Interface Control Document</td>
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<tr>
<td>GLS-106</td>
<td>Mission Resource Allocation Document (MRAD)</td>
<td>1</td>
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<tr>
<td>GLS-107</td>
<td>Engineering Computer-Aided Design (CAD) Models</td>
<td>2</td>
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<tr>
<td>GLS-108</td>
<td>Launch Vehicle Flight Software Input for IV&amp;V Acceptance Data</td>
<td>2</td>
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<td>GLS-109</td>
<td>Launch Vehicle Guidance, Navigation and Controls Input for IV&amp;V Acceptance Data</td>
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<tr>
<td>GLS-110</td>
<td>Launch Vehicle Key Systems Qualification and Acceptance Data</td>
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#### Required for CLIN 2

<table>
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<tr>
<th>Item</th>
<th>Document</th>
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<tbody>
<tr>
<td>GLS-201</td>
<td>Specialized Missions Technical Reviews</td>
<td>1</td>
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<tr>
<td>GLS-202</td>
<td>Launch Vehicle/Element Interface Control Document (ICD)</td>
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<tr>
<td>GLS-203</td>
<td>Launch Vehicle/Element ICD Requirements Verification Matrix</td>
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<td>GLS-204</td>
<td>Vehicle Data Package</td>
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<tr>
<td>GLS-205</td>
<td>Mission Specific Drawings</td>
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<tr>
<td>GLS-206</td>
<td>Launch Vehicle/Element Integrated Procedures</td>
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<tr>
<td>GLS-207</td>
<td>Mission Specific Hardware Test Plan</td>
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<tr>
<td>GLS-208</td>
<td>Mission Specific Hardware Test Report</td>
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<tr>
<td>GLS-209</td>
<td>Quick Look Flight Report</td>
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<tr>
<td>GLS-210</td>
<td>Performance and Guidance Accuracy Analysis (PGAA)</td>
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<tr>
<td>GLS-211</td>
<td>Final Mission Analysis (FMA)</td>
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<tr>
<td>GLS-212</td>
<td>Element/Expended Stage Separation Analysis</td>
<td>1</td>
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<tr>
<td>GLS-213</td>
<td>Payload Fairing Venting Analysis</td>
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<td>GLS-214</td>
<td>Payload Fairing Clearance Analysis</td>
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<tr>
<td>GLS-215</td>
<td>Vehicle Pre-Flight Controls and Stability Analysis</td>
<td>1</td>
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<tr>
<td>GLS-216</td>
<td>Coupled Dynamic Loads Analysis</td>
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<tr>
<td>GLS-217</td>
<td>Integrated Thermal Analysis</td>
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<tr>
<td>GLS-218</td>
<td>RF Link Analysis</td>
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<tr>
<td>GLS-219</td>
<td>Element/Vehicle EMC, RF, and EED Compatibility Analysis</td>
<td>1</td>
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<tr>
<td>GLS-220</td>
<td>Mission Specific Software</td>
<td>1</td>
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<tr>
<td>GLS-221</td>
<td>Vehicle and GSE Telemetry Formats</td>
<td>2</td>
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<tr>
<td>GLS-222</td>
<td>Vehicle and GSE Telemetry (test, pre-launch, and launch)</td>
<td>2</td>
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<tr>
<td>GLS-223</td>
<td>Vehicle Space Charging and Single Event Effects Analysis</td>
<td>1</td>
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</tbody>
</table>
Solicitation
Overview and Pricing
Overview

- Solicitation Number: 80KSC019R0002
- Commercial Acquisition
- Unrestricted full and open competition
- Indefinite Delivery/Indefinite Quantity (IDIQ)
- Multiple award / ability to on-ramp
- Fixed Price Contract
- Guaranteed Minimum: 2 missions
  - Task order with delivery to Gateway = one mission
- Total Award Amount
  - $7 billion inclusive of all contracts awarded
- FAA licensed launches – NASA owns excess vehicle performance
CLIN Structure

• Schedule of Supplies and/or Services
  – CLIN structure provides flexibility to meet known and unknown Gateway requirements
  – The Contractor shall provide all services, facilities, and resources necessary to furnish the Contract Line Item Numbers (CLINs) below:

<table>
<thead>
<tr>
<th>CLIN</th>
<th>Description of Supplies and Service</th>
<th>Max Qty</th>
<th>Unit</th>
<th>Unit Price ($)</th>
<th>Total Amount ($)</th>
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<tbody>
<tr>
<td>1</td>
<td>Gateway Logistics Services Missions</td>
<td>TBD</td>
<td>Lot</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>101</td>
<td>Initial GLS Mission</td>
<td>1</td>
<td>Each</td>
<td>See Table 1-2</td>
<td>See Table 1-2</td>
</tr>
<tr>
<td>102</td>
<td>Standard GLS Missions</td>
<td>TBD</td>
<td>Each</td>
<td>See Table 1-3</td>
<td>See Table 1-3</td>
</tr>
<tr>
<td>103</td>
<td>Mission Unique Capabilities</td>
<td>TBD</td>
<td>Each</td>
<td>See Table 1-4</td>
<td>See Table 1-4</td>
</tr>
<tr>
<td>2</td>
<td>Specialized Delivery Missions</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Special Tasks and Studies</td>
<td>TBD</td>
<td>Each</td>
<td>See Table 1-5</td>
<td>See Table 1-5</td>
</tr>
</tbody>
</table>
Initial GLS Mission (SubCLIN 101) (1st Mission)

- ATP is L-48 months (may be delayed at time of order)
- Initial delivery of a logistics vehicle via Commercial Launch Vehicle (CLV) to Gateway
  - Common Configuration Integration Reviews
    - Systems Requirements Review
    - Preliminary Design Review
    - Critical Design Review
    - System Certification Review
- Includes autonomous docking, one-year on-orbit support and disposal
- CLV shall have 1 successful flight of a common launch vehicle configuration before the Initial GLS mission

<table>
<thead>
<tr>
<th>SubCLIN 101</th>
<th>FIXED PRICE IN CALENDAR YEAR ORDERED</th>
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</thead>
<tbody>
<tr>
<td>2020</td>
<td>TBP</td>
</tr>
<tr>
<td>2021</td>
<td>TBP</td>
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<tr>
<td>2022</td>
<td>TBP</td>
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<tr>
<td>2023</td>
<td>TBP</td>
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</tbody>
</table>

Standard GLS Missions (SubCLIN 102) (Follow on Missions)

- ATP is L-30 months (may be delayed at time of order)
- Standard logistic service requirements needed after the Initial GLS mission to include delivery of a logistics vehicle via CLV to Gateway
- Includes autonomous docking, one-year on-orbit support and disposal
- A vehicle that has not previously flown to Gateway in the same common GLS configuration is required to perform Common Configuration Integration Reviews at no additional cost to the price above
- Accelerated Milestone Payment Schedule to incentivize mission success

<table>
<thead>
<tr>
<th>SubCLIN 102</th>
<th>FIXED PRICE IN CALENDAR YEAR ORDERED</th>
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<tbody>
<tr>
<td>2020</td>
<td>TBP</td>
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<tr>
<td>2021</td>
<td>TBP</td>
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<td>2023</td>
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<td>2024</td>
<td>TBP</td>
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<tr>
<td>2025</td>
<td>TBP</td>
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<tr>
<td>2026</td>
<td>TBP</td>
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Gateway Logistics Services (GLS) Missions (CLIN 1)

<table>
<thead>
<tr>
<th>Mission Unique Capabilities (SubCLIN 103)</th>
<th>FIXED-PRICE BY CALENDAR YEAR ORDERED</th>
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<tbody>
<tr>
<td><strong>SubCLIN 103</strong></td>
<td>2020</td>
</tr>
<tr>
<td>Additional 6-month docked operations</td>
<td>TBP</td>
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<tr>
<td>Fast Transit to Gateway</td>
<td>TBP</td>
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<tr>
<td>(if capability not in baseline service)</td>
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<tr>
<td>EVA Translation Path/Anchor Points</td>
<td></td>
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<tr>
<td>Extended visit (beyond 3-years)</td>
<td></td>
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<tr>
<td>Late cargo load</td>
<td></td>
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<tr>
<td>Gateway refueling</td>
<td></td>
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<tr>
<td>Additional payload power</td>
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<tr>
<td>Undock, maneuver, and re-dock</td>
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<tr>
<td>Long-term habitation</td>
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<tr>
<td>Co-manifested SLS Launch</td>
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<tr>
<td>Miscellaneous capabilities</td>
<td></td>
</tr>
</tbody>
</table>

- Requirements over and above SubCLIN 101 & 102
- Extend on-orbit support for additional 2 years in 6 month increments (*pre-priced*)
- Fast transit to Gateway (*pre-priced*) if not in baseline service
- Allows for the design, manufacture, test and qualification of mission unique hardware

Capabilities to be proposed at a later date if needed.
## Gateway Logistics Services (GLS) Missions (CLIN 2)

<table>
<thead>
<tr>
<th>CLIN 2</th>
<th>FIXED PRICE IN CALENDAR YEAR ORDERED</th>
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</thead>
<tbody>
<tr>
<td>Specialized Delivery Mission</td>
<td>Priced via a Gateway Logistics Task Order (GLTO)</td>
</tr>
</tbody>
</table>

- Specialized logistic services for delivering other Gateway and Lunar elements
- **CLV shall have 3 successful flights of a common launch vehicle configuration before each Specialized Delivery Mission**
- Robotic Arm integration and delivery to Gateway can be acquired as Mission Unique Capability or a stand-alone mission
- Includes monitoring, controls, ground instrumentation & access, hardware and software requirements
  - Provide the Element Adapter and Test Element Adapter
  - Control of thermal environments during ascent
  - Redundant payload separation indications
  - Capability to meet spin rate requirements
## Gateway Logistics Services (GLS) Missions (CLIN 3)

### Special Tasks & Studies (CLIN 3)

<table>
<thead>
<tr>
<th>COMPOSITE LABOR RATES (% TECHNICAL / % ADMINISTRATIVE)</th>
<th>LABOR RATE BY CALENDAR YEAR ORDERED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CY 2020</td>
</tr>
<tr>
<td>1 (90/10)</td>
<td>TBP</td>
</tr>
<tr>
<td>2 (50/50)</td>
<td>TBP</td>
</tr>
<tr>
<td>3 (10/90)</td>
<td>TBP</td>
</tr>
</tbody>
</table>

- Firm Fixed Price Labor Rate (Composite Skill Mix and Burden)
- Includes:
  - Special studies and analyses
  - Advance planning and feasibility studies in support of future contemplated missions
  - Development, fabrication, and test of hardware/software to support planning studies or special tests
  - Mission or cargo unique studies
  - Material provisions
  - Implementation of changes required due to changes in requirements
Terms and Conditions

Solicitation
Launch Delays

- Contract clause 2.2.19, Adjustments To Mission Schedule
- Postponement period for both NASA and the Contractor includes:
  - Excusable Delays
    - No Charge - Includes, but is not limited to the following: Range Mission Rules and Range Launch Requirements, Launch vehicle failure investigation, and FAR 52.212-4(f), Excusable delays (e.g. Acts of God, fires, floods)
  - Grace Days
    - No Charge - NASA and the Contractor are each allowed up to a maximum of 150 grace days subject to the schedule below:

<table>
<thead>
<tr>
<th>Period</th>
<th>Months Prior to Standard Launch Window</th>
<th>Maximum Grace Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>L-&quot;X&quot; (ATP) through L-12</td>
<td>150</td>
</tr>
<tr>
<td>2</td>
<td>L-12 through L-6</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>L-6 through Launch</td>
<td>30</td>
</tr>
</tbody>
</table>

- Contractor/NASA Delay Days
  - Outside of Excusable Delays and Grace Days, each party may request to delay the launch window up to eighteen (18) months
  - Contractor/NASA delay days beyond the postponement period shall be subject to equitable adjustment
# Milestone Payments

Table 2-1: Initial GLS Milestone Payment Schedule (SubCLIN 101)

<table>
<thead>
<tr>
<th>Milestone/ Payment #</th>
<th>Criteria - Work Plan Events -</th>
<th>Estimated Scheduled Date</th>
<th>Percentage of Total Task Order Value</th>
<th>Payment</th>
<th>Termination for Convenience Repayment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ATP / Task Order Award</td>
<td>ATP + 1 Week</td>
<td>10%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>2</td>
<td>System Requirements Review (SRR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>Preliminary Design Review (PDR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>4</td>
<td>Critical Design Review (CDR)</td>
<td>TBP</td>
<td>10%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>5</td>
<td>System Certification Review (SCR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>6</td>
<td>Vehicle Baseline Review (VBR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>7</td>
<td>Mission Integration Review (MIR)</td>
<td>TBP</td>
<td>10%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>8</td>
<td>Unpressurized Cargo Integration Review (if applicable)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>25%</td>
</tr>
<tr>
<td>9</td>
<td>Pressurized Cargo Integration Review (PCIR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>10</td>
<td>Flight Readiness Review (FRR)</td>
<td>TBP</td>
<td>15%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>11</td>
<td>Launch</td>
<td>TBP</td>
<td>15%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>12</td>
<td>Delivery</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>13</td>
<td>One-Year Operational Support</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>14</td>
<td>End of Mission Review (EMR)</td>
<td>TBP</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
</tbody>
</table>
## Milestone Payments

Table 2-2: Standard GLS Milestone Payment Schedule (SubCLIN 102) - Basic and Accelerated

<table>
<thead>
<tr>
<th>Milestone/Payment #</th>
<th>Criteria -Work Plan Events-</th>
<th>Estimated Scheduled Date</th>
<th>Basic Payment Schedule Percentage of Total Task Order Value</th>
<th>Accelerated Payment Schedule Percentage of Total Task Order Value</th>
<th>Payment</th>
<th>Termination for Convenience Repayment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ATP / Task Order Award</td>
<td>ATP + 1 Week</td>
<td>10%</td>
<td>20%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>2</td>
<td>Vehicle Baseline Review (VBR)</td>
<td>TBP</td>
<td>10%</td>
<td>15%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>Mission Integration Review (MIR)</td>
<td>TBP</td>
<td>10%</td>
<td>10%</td>
<td>$TBD</td>
<td>50%</td>
</tr>
<tr>
<td>4</td>
<td>Unpressurized Cargo Integration Review (if applicable)</td>
<td>TBP</td>
<td>10%</td>
<td>5%</td>
<td>$TBD</td>
<td>25%</td>
</tr>
<tr>
<td>5</td>
<td>Pressurized Cargo Integration Review (PCIR)</td>
<td>TBP</td>
<td>15%</td>
<td>10%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>6</td>
<td>Flight Readiness Review (FRR)</td>
<td>TBP</td>
<td>20%</td>
<td>15%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>7</td>
<td>Launch</td>
<td>TBP</td>
<td>15%</td>
<td>15%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>8</td>
<td>Delivery</td>
<td>TBP</td>
<td>5%</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
<tr>
<td>9</td>
<td>End of Mission Review (EMR)</td>
<td>TBP</td>
<td>5%</td>
<td>5%</td>
<td>$TBD</td>
<td>--</td>
</tr>
</tbody>
</table>
Mission Success

- Contract Clause 2.2.17, Mission Success Determination, Investigation, and Corrective Action
  - Accomplishment criteria will be defined in Task Order
  - Mission success determination made at completion of final milestone event (End of Mission Review)
- Final determination
  - Mission Success: results in 100% payment at the total mission price
  - Partial Mission Success: results in a reduction of the task order price to reflect the reduced value of services received throughout performance
  - Failed Mission: results in a reduction of the task order price to the amount of the last fully successful milestone event. The reduction will be assessed in the Mission Success Determination
- When a milestone event is not completed successfully, commercial interim payments may be withheld entirely or reduced unilaterally by the Contracting Officer to account for pending reductions to the task order price
NASA Insight and Approval

- Contract Clause 2.2.16 NASA Insight and Approval
  - NASA will have insight into and/or approval of certain tasks and milestones to ensure reasonable steps taken that result in highest probability of mission success
  - NASA approval is defined as providing authority to proceed and/or formal acceptance of requirements, plans, tests, or success criteria in specified areas
  - NASA insight is defined as gaining an understanding necessary to knowledgeably concur/nonconcur with the Contractor’s actions through interaction, watchful observation, documentation review, meeting attendance, reviews, tests and compliance evaluations
  - Contractor required to obtain from Major Subcontractors signed commitments that they will comply with this clause
    - Applicable to subcontractors that will perform more than $50M worth of work/supplies or that will manufacture critical vehicle components (e.g., propulsion, avionics, flight controls, separation systems, etc.)
- SOW Paragraph 4.3, NASA Insight and Approval for Gateway Logistics Services Missions
  - NASA retains approval authority for areas such as the portions of the logistics service that interface with Gateway hardware, cargo and operations
- SOW Paragraph 6.3, NASA Insight and Approval for Specialized Missions
  - NASA retains approval for areas such as Gateway and launch vehicle interfaces, mission unique hardware, launch commit criteria, element handling procedures, launch go/no-go
Domestic Source Criteria and Compliance

• Participation in this procurement is restricted to prime Contractors and Major Subcontractors (team members, subcontractors, sub-tier contractors, and suppliers expected to contribute $50 million or more towards performance) meeting the definition of United States commercial provider
  – Reference:
    • 2.2.22 Domestic Source Criteria and Compliance
    • Addendum To FAR 52.212-3, Domestic Source Certification
  • Offerors must certify they are a United States commercial provider
    – More than 50 percent owned by United States nationals, or
    – Meet the criteria defined for a subsidiary of a foreign company meeting criteria defined by Secretary of Transportation
  • Launch vehicles must be domestic end products - cost of components mined, produced or manufactured in the United States exceeds 50 percent of the cost of all its components
  • Launch services must be domestic - cost for launch services performed by United States industry sources exceeds 50 percent of the cost of the total required launch services
Government Furnished Property and Services

• Government Furnished Property and Services
  – Reference 2.2.12, NFS 1852.245-76: Command & Data Handling Gateway Simulator/Emulator will be provided
    • Additional property may be added based on mission requirements in the task order
  – Reference 2.2.25, Use of Government Property, Facilities, Assets, or Services
    • Contractor responsible for arranging any contracts or agreements outside of this contract with other Government agencies
    • Contractor shall obtain use of any property, facilities, assets or services available from a NASA Center or Component Facility (a “Performing Organization”) for performance of this contract through the use of the appropriate agreement (e.g. Space Act Agreement, Government Task Agreement, Task Plan)
Instructions to Offerors

Solicitation
General Instructions

- Proposal Volumes and Page Count

<table>
<thead>
<tr>
<th>Volume Type</th>
<th>No. of Paper Copies</th>
<th>No. of Electronic Copies</th>
<th>Page Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume I: Price and Administration</td>
<td>1 original</td>
<td>2</td>
<td>None</td>
</tr>
<tr>
<td>Volume II: Mission Suitability</td>
<td>1 original, 4 copies</td>
<td>2</td>
<td>150</td>
</tr>
<tr>
<td>Volume III: Past Performance</td>
<td>1 original, 2 copies</td>
<td>2</td>
<td>25</td>
</tr>
</tbody>
</table>

- Delivery Instructions
  - Address: Central Industry Assistance Office (CIAO), 7110 N. Courtenay Parkway, Merritt Island, FL
  - Pre-coordination of hand-delivered proposals is required at least 24 hours in advance with the Contracting Officer via e-mail at scott.g.syring@nasa.gov
  - Offerors are strongly encouraged to notify the Contracting Officer via email and provide the delivery method (i.e. Hand delivery, FedEx, USPS, UPS, etc.) one day prior to proposal delivery
  - Proposals must be appropriately marked to ensure timely delivery (e.g. Solicitation #, CO Name, Office Code)

- Proposal Due Date:
  - No less than 30 days after release of solicitation (see final solicitation for due date)
  - Past Performance Volume and questionnaires will be requested by an earlier date

- All questions or comments regarding this solicitation are required to be submitted to the contracting officer, Scott Syring, via email: scott.g.syring@nasa.gov
Volume I: Price and Administration

• Administration
  – Standard Form 1449 with Blocks 12, 17, and 30 completed
  – Representations, Certifications, And Other Statements Of Bidders
    • Incorporated by reference in resultant contract
  – Organizational Conflicts of Interest (OCI) Avoidance Plan (*Contract Attachment 06*)
    • Identification of an OCI, methodology, potential OCIs, procedures to avoid, steps to take when OCI is identified or is probable, personnel training
  – Model Contract
    • All TBPs need to completed
    • Information shall be consistent with each proposal volume
  – Statement of Acceptance/Summary of Exceptions
    • List and explanation of any exceptions or conditional assumptions made
    • Proposals which do not clearly indicate exceptions to the proposed contract terms and conditions will be construed as acceptance of them, verbatim
Volume I: Price and Administration

- Pricing is required to be proposed using the ‘GLS CLINs 1 & 3’ spreadsheet in Appendix A, GLS Pricing Workbook
  - Initial GLS Mission (SubCLIN 101) - Single fixed-price shall be proposed for each order year through 2023
  - Standard GLS Missions (SubCLIN 102) - Single fixed-price shall be proposed for each order year through 2026
  - Mission Unique Capabilities (SubCLIN 103)
    - Single fixed-price shall be proposed for each order year through 2026 for the ‘Additional 6-month docked operations’ and ‘Fast Transit to Gateway’ capabilities (if not included in baseline service)
  - Special Tasks and Studies (CLIN 3)
    - Single fixed-price composite labor rate shall be proposed for each of the three labor categories, for each order year, through 2026
- Financial Information (in support of responsibility determination) – Copy of financial statements, available credit, limits of general liability insurance coverage
- Security for Government Financing – Form of security (e.g. paramount lien, other assets, irrevocable letter of credit) available to satisfy requirement for financing payments (ref. 2.2.20, Security for Launch Service Payment Financing)
- Government Furnished Equipment, Property and Services (GFEPS) – Complete worksheet to show all existing Government furnished equipment, services, or property provided under other contracts or agreements
- Milestone Payment Schedule
  - Should be consistent with associated Work Plans proposed in Mission Suitability Volume
  - ‘Percent of Total Contract Value’ shall not exceed cumulative payment percentage for each milestone event
Volume II: Mission Suitability – Technical Approach

- **Space System Architecture (Contract Attachment 07)**
  - Design Reference Mission – Offeror shall provide their proposed GLS Mission (CLIN 1) architecture
    - Describe all services, equipment, and infrastructure necessary to perform program management, mission operations, mission integration, launch site support, ground and flight system safety, and mission assurance
    - Address need to have one successful flight of the common launch vehicle configuration
    - Describe capability to provide additional docked operations support in 6-month increments and Fast Transit to Gateway
    - Capabilities proposed beyond the GLS Mission requirements shall be part of services and included in GLS mission price
  - Performance Capabilities – Describe launch vehicle and logistic vehicle performance capabilities with supporting rationale showing how approach will ensure mission success
    - Logistics vehicle mass
    - Pressurized/unpressurized cargo mass
    - Logistics vehicle pressurized volume
    - Mission margins
    - Power availability for payloads
    - Data downlink and command capability
    - Transit time to Gateway
    - Cargo hand-over load schedule
  - Gateway Integration Assessment: Describe solution to address risks and plans for Gateway integration
  - Application of Heritage Design(s): Describe heritage of space components and systems that are already designed, operational, available, and applicable to the launch and logistics vehicles
Volume II: Mission Suitability – Technical Approach

• **GLS Mission Approach**
  – Describe approach to performing GLS Missions (CLIN 1) via submission of:
    • Integrated Master Plan as described in the DRD GLS-001, *Integrated Master Plan & Integrated Master Schedule*
    • DRD GLS-003, *Mission Integration and Operations Management Plan (MIOMP)*

• **Specialized Missions Capability (Contract Attachment 08)**
  – Provide overview of ability to perform CLIN 2, Specialized Delivery Missions, (i.e. Robotic Arm or Other Lunar Enterprise Elements)
  – Describe extensibility of proposed system, with supporting rationale and assumptions, to deliver additional lunar exploration assets
  – Explain launch vehicle selection approach, upmass capabilities, transfer vehicle capabilities, and maximum payload volume available
  – Response should take into account need to have three successful flights of the common launch vehicle configuration
Volume II: Mission Suitability – Technical Approach

• **NASA Insight and Approval**
  – Compliance. Describe how Offeror will comply with NASA Insight and Approval terms and conditions and SOW requirements
  – Notification. Describe methodology for notifying NASA of qualification or test anomalies involving similar vehicles, systems, subassemblies and components
  – Accommodations. Describe the proposed facilities and services that will be available at major manufacturing and engineering locations for NASA personnel

• **Engineering:** Describe design and construction standards and specifications via submission of Data Items 1 – 3 of DRD GLS-010, *Alternatives to NASA Standards and Specifications*

• **Work Plans**
  – Offerors may propose changes to Attachment 09, Work Plans, to align with the contractor’s standard service process as long as the proposed changes achieve a comparable outcome
    • Initial GLS Mission (subCLIN 101): ATP shall be no earlier than L-48
    • Standard GLS Missions (subCLIN 102): ATP shall be no earlier than L-30
  – Offeror shall populate proposed ‘L+’ dates for the last three milestones in each Work Plan
Volume II: Mission Suitability – Management Plan

• Organizational Structure
  – Organizational structure and project management approach, with rationale, to manage requirements under a fixed-price
  – Risks associated with the approach should be identified and impacts addressed

• Associate Contractor Agreements – Approach for implementing Associate Contactor Agreements in accordance with clause, 2.2.32

• Subcontract Management Plan (Contract Attachment 10)
  – Describe approach for managing subcontractors, including flow down of requirements and schedule management
  – Provide evidence of teaming arrangements and signed commitments to insight and approval requirements
  – Explain how NASA will be granted access to subcontractor, or sub-tier contractors, regardless of dollar value, when insight and approval is required

• Safety and Mission Assurance (S&MA) Plans – Corporate S&MA Plans as described in DRD GLS-004, Safety and Mission Assurance Plan(s), including additional information needed specific to the GLS requirements (not part of page count – additional information will count)

• Government Property Management Information – As required in NFS provision 1852.245-80, Government Property Management Information
Volume II: Mission Suitability – Small Business

• **Small Business Subcontracting Plan (Contract Attachment 11)** (Large Business Only)
  – Offerors shall propose goals based on their independent assessment of the small business subcontracting opportunities for this requirement pursuant to their standard company practices
  – Commercial plan is the preferred type of subcontracting plan for this procurement

• **Commitment to the Small Business Program** (All Offerors)
  – Describe work that will be performed by small businesses - identify work to be subcontracted that is considered “high technology.”
  – If subcontractor(s) is known, connect the work to subcontractor and specify the extent of commitment to use the subcontractor(s)
  – Provide information demonstrating the extent of commitment to utilize small business concerns
Volume III: Past Performance

• **Recent and Relevant Performance**
  – Describe past performance on up to five (5) recent (within three (3) years from the RFP release date) efforts similar in size, content, and complexity to the requirements of this solicitation
  – The same information shall be provided for each qualifying major team members, subcontractors, and suppliers
  – Past Performance Questionnaires – Questionnaire should be submitted for each effort described here

• **Small Business Past Performance**
  – Statement of small business participation over the last three (3) years on work that is relevant to this effort, with special emphasis on the division of the company, which will perform the proposed contract
  – Provide Summary Subcontracting Reports and Individual Subcontracting Reports (on relevant contracts)

• **Mission Failure History**
  – Describe any launch and/or mission performed during past three (3) years, which were less than fully successful
  – Provide explanation of condition that caused the failure and summary of any corrective action taken as a result
  – Discuss probable root cause approach and how impacts to subsequent missions and customers were mitigated

• **Terminations** – Describe Government contracts terminated (partial or complete) within the past three (3) years
Evaluation Factors for Award

Solicitation
Evaluation Factors for Award

• Overview
  – Best Value Source Selection: Price, Mission Suitability, and Past Performance
  – Proposals which do not demonstrate compliance with clause 2.2.22, *Domestic Source Criteria*, will be determined non-compliant and excluded from the evaluation
  – Administration: will be reviewed for completeness and is not an evaluation factor
    • Communications may be held outside of discussions with any Offeror at any time during the evaluation process concerning the administrative information – substantive omissions may result in proposal ineligibility
    • Organizational Conflict of Interest (OCI) Avoidance Plan – incorporated in contract as Attachment 06
      – Contracting Officer will also identify areas in which proposed mitigation requires further action
      – Government may communicate, outside of discussions, with any Offeror at any time during the evaluation process concerning the administrative information
    • Representation and Certifications will become incorporated in contract via reference
      – Proposals with exceptions, inaccurate assumptions or new terms, conditions, or clauses, may result in proposal being determined unacceptable, may preclude award to an Offeror if award is made without discussions, or may otherwise affect an Offeror’s competitive standing
      – NASA reserves the right to make award without discussions
**Evaluation Factors for Award**

*Mission Suitability and Past Performance*, when combined, are approximately equal to Price.

*Price is more important than Mission Suitability, which is more important than Past Performance.*
**Evaluation Factors for Award – Price**

- **Total Evaluated Price (TEP):** Used to evaluate the reasonableness of the proposed prices for the baseline GLS missions – calculated via summation of the following:

<table>
<thead>
<tr>
<th>Description</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial GLS Mission (SubCLIN 101)</td>
<td>Average price of all order years (2020 – 2023)</td>
</tr>
<tr>
<td>Standard GLS Mission (SubCLIN 102)</td>
<td>Average price of all order years (2020 – 2026) multiplied by 2</td>
</tr>
<tr>
<td>Mission Unique Capabilities (SubCLIN 103)</td>
<td>Additional 6-month docked ops – <em>Summation of all order years</em></td>
</tr>
<tr>
<td>Fast Transit to Gateway</td>
<td>Average price of all order years</td>
</tr>
<tr>
<td>Special Tasks and Studies (CLIN 3)</td>
<td>Summation of proposed labor rates multiplied by the hours shown for evaluation purposes</td>
</tr>
<tr>
<td>TEP Adjustment</td>
<td>Mission prices adjusted for “rent free” government equipment, property, or services provided from other contracts or agreements</td>
</tr>
</tbody>
</table>
Evaluation Factors for Award – Factor 1: Price

- **Unbalanced Pricing:**
  - Proposals will be evaluated for unbalanced pricing in accordance with FAR 15.404-1(g)
  - Unbalanced pricing exists when, despite an acceptable TEP, the price of one or more contract line items is significantly over or understated

- **Financial Information** – Information may be used for responsibility determination in accordance with FAR Subpart 9.1
  - Financial Capability – Evaluated for demonstrated financial capability to provide GLS services and properly execute multiple task orders under a contract of this type and magnitude
  - Security for Government Financing – Evaluated to determine if there is adequate security available to cover future financing payments

- **Milestone Payment Schedule** – Evaluated for conformance to proposed work plans and milestone payment limitations for events shown in clause 2.2.18, *Milestone Payments, Events, and Completion Criteria*
Evaluation Factors for Award – Factor 2: Mission Suitability

- Mission Suitability Subfactors:

<table>
<thead>
<tr>
<th>Mission Suitability Subfactors</th>
<th>Weight (Points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Approach</td>
<td>550</td>
</tr>
<tr>
<td>Management Plan</td>
<td>400</td>
</tr>
<tr>
<td>Small Business Utilization</td>
<td>50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>

**Mission Suitability subfactors** and the total Mission Suitability factor shall be evaluated using the below adjectival ratings, definitions, and percentile ranges.

<table>
<thead>
<tr>
<th>ADJECTIVAL RATING</th>
<th>DEFINITIONS</th>
<th>PERCENTILE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>A comprehensive and thorough proposal of exceptional merit with one or more significant strengths. No deficiency or significant weakness exists.</td>
<td>91 - 100</td>
</tr>
<tr>
<td>Very Good</td>
<td>A proposal having no deficiency and which demonstrates over-all competence. One or more significant strengths have been found, and strengths outbalance any weaknesses that exist.</td>
<td>71 – 90</td>
</tr>
<tr>
<td>Good</td>
<td>A proposal having no deficiency and which shows a reasonably sound response. There may be strengths or weaknesses, or both. As a whole, weaknesses not off-set by strengths do not significantly detract from the offeror's response.</td>
<td>51 – 70</td>
</tr>
<tr>
<td>Fair</td>
<td>A proposal having no deficiency and which has one or more weaknesses. Weaknesses outbalance any strengths.</td>
<td>31-50</td>
</tr>
<tr>
<td>Poor</td>
<td>A proposal that has one or more deficiencies or significant weaknesses that demonstrate a lack of overall competence or would require a major proposal revision to correct.</td>
<td>0-30</td>
</tr>
</tbody>
</table>
Evaluation Factors for Award – Factor 2: Mission Suitability

• Technical Approach
  – **GLS Space System Architecture (Contract Attachment 07):** Assessed for the overall understanding of GLS Missions requirements and the Offeror’s technical capability. When additional capabilities are proposed, they will be evaluated for the benefits, credibility, and risk of the proposed capabilities beyond the minimum needed to meet the NASA unique requirements
    – Performance Capabilities: Risk and feasibility of the proposed Performance Capabilities to perform GLS Missions
  – Gateway Integration Assessment
    • Technical approach, risks, and plans for meeting Gateway integration requirements
    • Impact of the Gateway integration approach on the delivery of services under this contract
    • Offeror’s approach to Gateway integration for its impact on NASA
  – Application of Heritage Design(s): Use of Heritage Design(s) as they relate to the Offeror’s ability to perform GLS Missions
Evaluation Factors for Award – Factor 2: Mission Suitability

• Technical Approach
  – **GLS Mission Approach** – Assessed for risk and feasibility of the Offeror’s approach for the delivery of services as reflected in DRD GLS-003, Mission Integration and Operations Management Plan and the Integrated Master Plan in DRD GLS-001, Integrated Master Plan (IMP) & Integrated Master Schedule (IMS)
    • Offeror’s cargo integration and processing approach and flows as well as their mission operations approach
    • Offeror’s understanding of the timing of the key reviews
    • Content of the various products and mission requirements as described in the statement of work
    • Offeror’s approach to the delivery of services for its impact on NASA
  – **Specialized Missions Capabilities (Contract Attachment 08)** – Evaluate the risk and feasibility of the proposed capabilities that will be available to perform specialized Gateway missions
  – **NASA Insight and Approval**
    • Evaluate the insight and approval process and approach for providing NASA personnel the necessary technical, schedule, and risk data, along with other applicable information
    • Evaluation will take into account the process for providing this information to NASA personnel remotely or on-site at Contractor facilities
    • Assess methodology to notify NASA of design, production or operational changes, as well as flight, qualification, or test issues and anomalies involving vehicles, systems, subassemblies, and components related to those proposed for logistics services missions
Evaluation Factors for Award – Factor 2: Mission Suitability

• Technical Approach
  – **Engineering** – Evaluate the completeness, suitability, and feasibility of the Offeror’s submission of Data Items 1 – 3 for DRD GLS-010, Alternatives to NASA Standards and Specifications
  – **Work Plans** – Proposed updates will be evaluated for conformance with the solicitation requirements and feasibility to meet required milestones based on the proposed technical solution
Evaluation Factors for Award – Factor 2: Mission Suitability

• **Management Plan**
  – Evaluated on its ability to ensure mission success taking into account its effectiveness, credibility, suitability, and risk in addition to the items below

  • **Organizational Structure**: Evaluate proposed management team as well as its organizational structure and its effectiveness in being able to manage a fixed-price contract

  • **Associate Contractor Agreements**: Evaluate feasibility of the Offeror’s proposed approach for implementing Associate Contractor Agreements

  • **Subcontract Management Plan**: will be incorporated into the contract as Attachment 10
    – Teaming arrangements (including those with NASA and other local, state, federal and foreign governments)
    – Approach for managing subcontractors, communication methods between the teaming arrangement parties and NASA, and methods for flow-down of insight and approval requirements

  • **Safety and Mission Assurance Plans**: Completeness, suitability, and feasibility of the Offeror’s proposed S&MA plans

  • **Government Property Management Information**: Completeness and applicability to the proposed technical solution
Evaluation Factors for Award – Factor 2: Mission Suitability

• **Small Business Utilization**
  
  – **Small Business Subcontracting Plan (Contract Attachment 11)** (Large business only) – Evaluated in terms of meeting requirements of FAR 19.704, *Subcontracting Plan Requirements*, and NFS, 1819.704, *Subcontracting Plan Requirements*
  
  – **Commitment to the Small Business Program** (All Offerors)
    
    • Extent to which any work performed by a small business subcontractor(s) is identified as “high technology”
    
    • Extent to which identity of small business subcontractor(s) is specified in the proposal as well as the extent of commitment to use small businesses
    
    • Offeror’s established or planned procedures and organization structure for small business outreach, assistance, participation in the Mentor-Protégé Program, counseling, market research and small business identification
      
      – Information should conform to submitted Small Business Subcontracting Plan
Evaluation Factors for Award – Factor 3: Past Performance

- Evaluated in accordance with FAR 15.305(a)(2) and NFS 1815.305(a)(2), and assigned one of the following ratings:
  - Very High Level of Confidence
  - High Level of Confidence
  - Moderate Level of Confidence
  - Low Level of Confidence
  - Very Low Level of Confidence
  - Neutral

- Recent:
  - Efforts performed during the past three years
  - Efforts on newly awarded contracts without any assessable performance completed will not be considered

- Relevant:
  - Each past performance citation will be assigned a Relevant, Somewhat Relevant, or Not Relevant rating
  - Assessment considers each effort’s size, content, and complexity in relation to the requirements of this acquisition

- Government may supplement the information contained in the proposal with information obtained from other sources
Anticipated Milestones
## Milestones

<table>
<thead>
<tr>
<th>Event</th>
<th>Projected Milestones</th>
</tr>
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<tbody>
<tr>
<td>Draft RFP Comments Due</td>
<td>July 10, 2019</td>
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<tr>
<td>Final RFP Release</td>
<td>August 2019</td>
</tr>
<tr>
<td>Proposals Due</td>
<td>September 2019</td>
</tr>
<tr>
<td>Contract Award(s)</td>
<td>December 2019</td>
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BREAK
Questions and Answers