

Welcome to the Johnson Space Center

United States Deorbit Vehicle (USDV) Pre-Proposal Conference

Solicitation 80JSC023R0003

October 3, 2023

Submit Questions
through the QR code



Agenda



Speaker	Subject
Ashley Chaves, Contracting Officer	Welcome, Purpose of Pre-Proposal Conference
Dana Weigel, ISS Deputy Program Manager	Welcome, International Space Station Program
Eric Schell	Welcome, Office Of Procurement Directorate
Gary Johnson, SEB Chair	Orientation and Procurement Overview
Rebekah Anchondo, SEB Member	SSP 51101 System Requirements Document (SRD) Changes
Rebekah Anchondo, SEB Member	Concept of Operations (ConOps) Changes
Rebekah Anchondo, SEB Member	Notable Changes from the Draft RFP – SOW & DRDs
Ashley Chaves, Contracting Officer	Overview of Solicitation
Charles Williams, Small Business Specialist	Office of Small Business Programs
Ashley Chaves, Contracting Officer	Question & Answer and Procurement Schedule

* Pricing Pre-proposal meeting will occur at 2:30 pm Central Time

Purpose of Pre-Proposal Conference



- The purpose of this Preproposal Conference is to help industry understand the Government's requirements.
- Presentation of some notable changes made since the release of the draft RFP.
- These slides are not to be interpreted as a comprehensive description of the procurement strategy or requirements in the RFP.
- To the extent there are any inconsistencies between this briefing and the RFP, the RFP will govern.

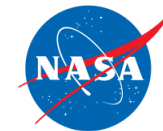
Questions

- Verbal questions will not be entertained during the conference.
- A question-and-answer period will be hosted at the end of the presentation.
- Official responses to written questions received by the Contracting Officer will be posted to the USDV Special Notice on Sam.gov.
- The deadline for submitting questions regarding the RFP or this conference is October 11, 2023.

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Pre-Proposal Conference Logistics



- A copy of this presentation has been posted on the U.S. Deorbit Vehicle (USDV) website at: <https://www.nasa.gov/jsc/procurement/usdv>
- Please ensure microphones are muted during the presentation.
- Please use the Microsoft Teams chat feature for audio and video connection issues only.
- Clarifications and questions on Pre-Proposal Conference content will be answered in the Question-and-Answer period.
- Please submit all questions via the Q&A application link provided: <https://johnson.cnf.io/sessions/y5z5/#!/dashboard> (see QR code)

Submit Questions
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Welcome

Dana Weigel, Deputy Manager
International Space Station Program

Notable Highlights



- Major acquisition tenets:
 - NASA will procure USDV as supply
 - NASA will procure the USDV Launch Vehicle through the NASA Launch Services Program
 - NASA will perform the USDV flight control through the entire USDV mission
- Budget Status
- Dwell (CLIN 3)
 - *Dwell* (CLIN 3) includes the storage of USDV to support an L-12 month call-up
 - Supports delivery of USDV for early contingency deorbit capability
 - Allows for storage of USDV if ISS End of Life is extended
 - All assembly, integration, and test (AI&T) and Acceptance of the full USDV is included in *Production, Integration and Test* (CLIN 2) costs



Figure 1: Proceed Straight to Launch (No Dwell)

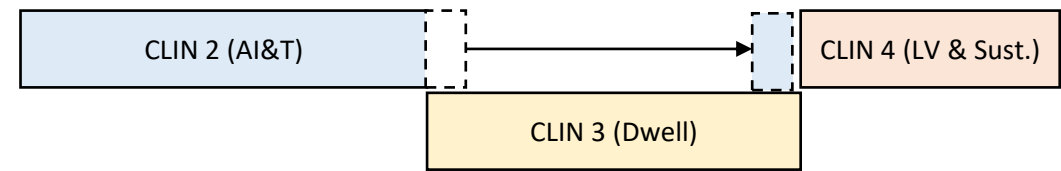
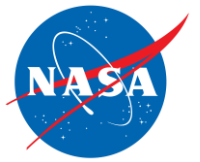


Figure 2: Dwell prior to Launch with some AI&T during Dwell



- Due to the unprecedented risk to public safety posed by an uncontrolled deorbit of ISS, the USDV S&MA requirements repeatedly emphasize several key tenets, including:
 - Utilization of highly reliable, flight-proven systems
 - Resilient spacecraft capable of completing its mission after two failures
 - Rigorous testing, including high-fidelity hardware/software integrated test and verification campaigns
- For highly reliable, flight-proven systems, design and risk trades must weigh reliability of the existing design versus impacts of the required redesign to meet 2 FT. Rationale for these trades should be addressed in:
 - TA.5 *Safety and Mission Assurance (S&MA) Plan*, parts (b) and (c)
- Alternate or Tailored Standards can be proposed but will not be preapproved. Rationale for alternate or tailored standards shall be addressed in:
 - TA.4 *NASA Standards and Specifications Compliance and Tailoring Approach*, **DRD USDV-33** item e





Welcome

Eric Schell
Office of Procurement Directorate



Introduction of Source Evaluation Board

Dr. Gary Johnson
USDV Source Evaluation Board Chair

Source Selection Authority and Acquisition Team Members



- Source Selection Authority
 - Ken Bowersox, Deputy Associate Administrator for Space Operations, NASA Headquarters
- Acquisition Team
 - Gary Johnson, SEB Chair
 - Adam Baker, ISS Program System Engineering & Integration
 - Greg Bond, Vehicle Systems Integration S&MA
 - Michael Boggs, International Space Station (ISS) Program
 - Noah Shamburger, ISS Program Avionics & Software
 - Rebekah Anchondo, ISS Program Transportation Integration
 - Shamim Rahman, JSC Project Management and Systems Engineering
- Contracting Officer
 - Ashley Chaves
- Pricing Analyst
 - Jeremy Iglesias

Changes to SRD, ConOps, SOW and DRDs

**Rebekah Anchondo
SEB Member**

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SSP 51101 System Requirements Document (SRD) Changes



- SSP 51101 United States Deorbit Vehicle (USDV) System Requirements Document (SRD) is now a baselined version
- Significant SRD changes from the Draft RFP include:
 - Added ISS mass and aerodynamic properties to translational maneuver and attitude control requirements
 - Increased mated duration from 1 to 1.5 years
 - Tailored definition of catastrophic hazard
 - Removed requirements associated with NASA responsibility from communication and Control Center requirements
 - Clarified verification requirements for the Reentry Burn Performance
 - Clarified translational maneuver accuracy requirement
 - Added Applicable Documents levied via applicable SSP 50808 requirements
 - Removed duplicative Electrical and Avionics Workmanship standard
 - Clarified applicability of NASA standards and USDV Interface Control Documents (ICDs)
 - Tailored Materials and Process Design Standards, Cleanliness, and Condensation requirements for USDV applicability
 - Tailored Failure Modes and Effects Analysis (FMEA)/Critical Items List (CIL) requirements
 - Levied latest requirements for Operational Use of Software and Electrical Soldering
 - Removed duplicative test requirements (Qualification and Acceptance Environmental Test, Element Test Phase)
 - Replaced MCC-H with NASA Mission Systems

ISS Deorbit Concept of Operations (ConOps) Changes



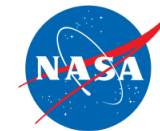
- Significant ConOps changes from the Draft RFP include:
 - Increased dock duration from 1 to 1.5 years
 - Removed references to Medium Class launch vehicle
 - Clarification on catastrophic hazard and 2 failure tolerance (FT)
 - Modified the Notional Deorbit Timeline to include an ISS altitude management strategy that can be accommodated regardless of deorbit timeframe or solar activity
 - Added details on USDV acceptance following SAR and Shipment to the Acceptance Destination
 - Clarification on USDV and Russian Segment responsibilities and capability during deorbit operations
 - Clarification on the Solar Array Rotary Joint (SARJ) positioning below ISS altitude of roughly 260km
 - Clarified beginning of NASA FOD responsibility
 - Clarification on mass and configuration of ISS at deorbit

Statement of Work (SOW) Changes



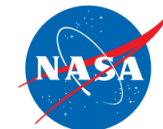
- Significant SOW changes from the Draft RFP include:
 - 1.0 Introduction
 - 1.2: Clarified scope of the CLIN 2 and CLIN 3
 - **CLIN 2 includes acceptance and delivery of the full USDV design and hardware/software, including final assembly, integration, and test performed during Dwell that supports the Government's L-12 month call up for launch**
 - 2.0 Overall General Requirements
 - **2.0: Removed requirement for compatibility with a Medium Performance Class Launch Vehicle**
 - 2.3: Clarified the scope of a single electronic technical library
 - 2.3.2: Clarified number of Category B changes
 - 2.6: Clarified requirements related to “non-NASA missions”
 - 2.6: Clarified requirements related to the provision of Resident Office(s)
 - **2.6: Clarified requirements related to NASA oversight and approval**
 - 2.6: Defined requirement for access to cost data as only for CPIF
 - 2.6: Clarified NASA insight into non-USDV mission reviews, plans, and schedules
 - 2.9.3: Added USDV-to-Near Space Network ICD
 - 2.9.6: Clarified HITL cable lengths
 - 2.10: Clarified IV&V as “third-party”
 - 2.11: Added clarification of the Hazard Analysis process
 - 2.11.1: Clarified requirements for subject matter expertise to integrated hazard assessments
 - 2.11.2: Clarified requirements to conduct FMEA

Statement of Work (SOW) Changes (con't)



- Significant SOW changes from the Draft RFP include (con't):
 - 3.0 Design, Development, Test, and Evaluation (DDT&E) Through Critical Design Review (CDR) (CLIN 1)
 - 3.1: Defined requirement for Earned Value Management System (EVMS) and Integrated Baseline Review (IBR) applicable only for CPIF contract type
 - 3.1: Defined DRD USDV-8 NF533 as applicable only for CPIF contract type
 - 3.1: Defined Integrated Master Schedule (IMS) portion of DRD USDV-7 Integrated Program Management Data Analysis Review (IPMDAR) as applicable for both CPIF and FFP
 - 3.4: Clarified USDV Avionics & Software Simulation and Test Bed specification review contents
 - 3.6-3.10: Reorganized Project Life-cycle Review contents
 - **3.10: Clarified CDR and CLIN 1 closure criteria**
 - 4.0 Production, Assembly, Integration and Test (CLIN 2)
 - 4.2.3: Clarified contents of Avionics & Software Simulation and Test Bed Readiness and Finalization review
 - 4.2.4: Reorganized System Integration Review (SIR) contents
 - 4.4.5: Reorganized System Acceptance Review (SAR) contents
 - **4.5: Changed “Milestone C2-5 Shipment to Launch Site” to “Milestone C2-5 Shipment to Acceptance Destination”**
 - **“Milestone C2-5 includes scope for the shipment to the Acceptance Destination, which is either the Dwell facility, if dwell is needed, or the Launch Site Payload Processing Facility (LS PPF), if proceeding directly to launch.”**

Statement of Work (SOW) Changes (con't)



- Significant SOW changes from the Draft RFP include (con't):

- 5.0 Dwell (CLIN 3)

- 5.0: Updated to reference ISO Class 8 clean room in accordance with ISO 14644-1, Cleanrooms and Associated Controlled Environments, Part 1: Classification of air cleanliness by particle concentration
 - **5.1: Relocated the Dwell Release Review (DRR) from CLIN 4 to CLIN 3**

- 6.0 Launch Vehicle Integration and Sustaining (CLIN 4)

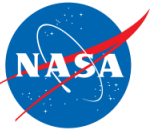
- 6.2.2: Clarified requirements for pre-launch ground processing, integration and test
 - **6.2.6: Added Post Verification Review (PVR)**

Data Requirements Descriptions (DRDs)



- Significant DRD changes from the Draft RFP include:
 - No eliminated or added DRDs:
 - Modified DRDs:
 - Various DRDs modified to specify applicability of CPIF or FFP
 - Added clarification for NASA-Owned/Contractor Held records (Introduction)
 - Added clarification for marking International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR) data (Introduction)
 - Program Management Plan (PMP) (USDV-1) – Added prime and subcontractors to performance management system approach; added approach to manufacturing/production spares
 - Program Management Review (PMR) (USDV-2) – Modified requirements for PMR reporting
 - Work Breakdown Structure (WBS) and WBS Dictionary (USDV-6) – Removed wording related to Cost and Software Data Reporting (CSDR) plan
 - Integrated Program Management Data Analysis Report (IPMDAR) (USDV-7) – Updated to comply with DI-MGMT-81861, Rev C
 - Contractor Financial Management Report (NF533) (USDV-8) – Clarified required reporting
 - Safety Data Package (SDP) (USDV-21) Removed references to CIL; clarified FMEA applicability
 - Technology Readiness Level (TRL) Assessment and Technology Maturity Maturation Assessment Plan (USDV-23) – Added approach to mature USDV technologies on existing contracts or NASA missions, if applicable

Data Requirements Descriptions (DRDs) (con't)



- Significant DRD changes from the Draft RFP include (con't):
 - Modified DRDs (con't):
 - Verification and Validation (V&V) Plan (USDV-26) Expanded V&V Plan content, as well as definition of Verification Closure Notices (VCNs)
 - USDV Transportation and Logistics Requirements Plan (USDV-29) – Provided better definition of the content
 - USDV Spacecraft Readiness Plan (USDV-30) – Clarified cleanliness requirements
 - USDV Acceptance Data (USDV-36) – Clarified Certificate of Conformance and Acceptance Data elements; added training simulator to the scope
 - Changed the following DRDs from Type 1 to Type 2:
 - Specification for USDV Hardware-In-The-Loop (HITL) Test Bed (DRD USDV-46)
 - Specification for USDV SDIL Simulator for ISS Integration Testing (DRD USDV-47)
 - FOR Data Package (USDV-48)



Overview of Solicitation 80JSC023R0003

**Ashley Chaves
Contracting Officer**

**Submit Questions
through the QR code**



Points of Contact



- **Contracting Officer:**

Ashley Chaves

ashley.h.chaves@nasa.gov

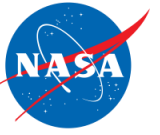
JSC-USDV@mail.nasa.gov

- **USDV web address:**

<https://www.nasa.gov/jsc/procurement/usdv>

Send questions in writing to the Contracting Officer.

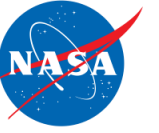
General Information



- Competition: Full and Open
- Type of Contract:
 - Single-award Hybrid Cost Plus Incentive Fee and Firm Fixed Price core with Indefinite Delivery Indefinite Quantity (IDIQ) Firm Fixed Price (FFP) task orders
 - OR
 - Single-award Firm Fixed Price core with Indefinite Delivery Indefinite Quantity (IDIQ) Firm Fixed Price (FFP) task orders
- NAICS Code: 336414 Guided Missile and Space Vehicle Manufacturing
- Period of Performance:
 - Base period: 4/18/2024 – 3/31/3031
 - Option Year 1: 4/1/2031 – 9/30/2031
 - Option Year 2: 10/1/2031 – 9/30/2032
 - Option Year 3: 10/1/2032 – 9/30/2033
 - Option Year 4: 10/1/2033 – 9/30/2034
 - Option Year 5: 10/1/2034 – 9/30/2035

- Prospective offerors should ensure their company is listed in the online database(s) for the following:
 1. System for award management: <https://www.sam.gov/SAM/>
 2. U. S. Department of Labor Veterans' Employment and Training Service, VETS-4212 Reports: <https://vets4212.dol.gov/vets4212/>
 3. Unique Entity Identifier (UEI) (formerly the Data Universal Numbering System (DUNS)): <https://www.sam.gov/>
- The System for Award Management (SAM) is a Federal Government owned and operated free web site that collects data from suppliers, validates and stores this data, and disseminates it to various government acquisition agencies.
- You are required to create an account in SAM.
 - Verify that your information in this database is current.

- When reading the RFP, note that:
 - Important Information is contained in the SF33 and numerous clauses and provisions have been incorporated, via full text and/or referenced text, throughout the document.
 - Clauses incorporated by reference have the same force and effect as if they were included in their full text.
 - Section J includes documents and other attachments
 - For example, Data Requirement Descriptions, Applicable and Reference Documents list, etc.
- The RFP and amendments take precedence over this conference



- The Small Business Administration's new regulation changes the definition of a joint venture to exclude populated joint ventures.
- Joint Ventures are defined in 13 C.F.R. 121.103(h).
- All parties to the Joint Venture must sign the Model Contract.

- Proposals are required to be submitted through NASA's Enterprise File Sharing and Sync Box (EFSS Box) platform.
- Provision L.18 of the solicitation includes instructions for submission of proposals through this system; however,
- Offerors are highly advised to test the system prior to the delivery date to ensure there will be no perturbations that would result in a late proposal.
- Late proposals will be handled pursuant to FAR 52.215-1(c)(3).
- Review the proposal instructions, coordinate with the point of contact in advance of the delivery and ask questions if any instructions are not clear.
- Review paragraph (f)(4) of FAR 52.215-1, "Instructions to Offerors – Competitive Acquisition".

- Offeror's initial proposal should contain the best terms from a price and technical standpoint.
- The Government preference is to award without discussions; however, the Government reserves the right to conduct discussions with those Offerors who have made it to competitive range.
- If discussions are held, the Offeror will:
 - Have the opportunity to address weaknesses and;
 - Be requested to resubmit the SF33 with Final Proposal Revisions (FPR) which will include clearly marked changes.

Proposal L.24 Due Dates



- Proposal Volume III, Past Performance
 - Due **10/16/2023 at 1:30 pm Central Time**
- Proposals Volumes I Cost and Price Factor, Volume II Mission Suitability Factor, Volume IV Responsibly Considerations and Volume V Model Contract and Additional Requirements
 - Due **11/17/2023 at 1:30 pm Central Time**

Section B: USDV Pricing Schedules



- To maximize value to the Government and increase competition, this acquisition allows offerors flexibility in proposing a contract type for CLIN 1 Design, Development, Testing, and Evaluation that best suits their technical solution.
 - CLIN 1 Cost Plus Incentive Fee
 - OR
 - CLIN 1 Firm Fixed Price
- Offeror shall only provide one pricing proposal of either CPIF or FFP for CLIN 1
 - Attachment L-01A, USDV Hybrid Cost Price Template
 - Attachment L-01B, USDV Fixed Price Templates
- The flexibility only applies to CLIN 1, all other CLINs remain Firm Fixed Price

Proposal Formatting



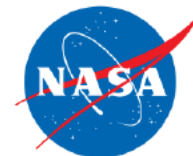
- Instructions for proposal arrangement, page limitations, copies, and due dates are specified in Provision L.24, Proposal Arrangement, Page Limitations, Copies, and Due Dates.
 - Offerors shall submit their proposals in accordance with the instructions in Provision L.24.
 - Pages submitted in excess of the limitations specified in this provision will not be evaluated by the Government and will be returned to the offeror in accordance with NFS 1815.204-70(b).
 - Minor informalities or irregularities in a proposal that can be adjusted, corrected, or waived without being prejudicial to other offerors may be accepted if it is immaterial to the acquisition.
 - However, any pages contained in a page-limited section of your proposal which do not comply with the RFP requirements may be returned by the Government and not evaluated.
- Pay close attention to ensure that the number of pages, page margins, font type, font size, and page size are in conformance to Provision L.25.
- Please note page limitations.
 - Some volumes/sections are subject to a page limitation and others are not.
 - Proposal information must be provided in the correct volume.
 - Proposal information in a page-limited volume or section should not be moved to another volume/section without such page limitations.
- Having non-conforming pages returned may affect the Government's evaluation of a proposal, and how the proposal is ultimately rated.

Section B: USDV Pricing Schedules



- CLIN 1 DDT&E THROUGH CDR (CORE)
 - If Offerors propose CPIF
 - Offerors will propose the Target Cost; Target, Minimum, and Maximum fees
 - The Government has outlined the cost sharing for cost underruns and overruns as follows:
 - Government 60 percent; Contractor 40 percent
 - 100% Cost incentive
 - If Offerors propose FFP
 - Offerors will complete the FFP Offeror Fill-In (OFI) for CLIN 1
- CLIN 2 PRODUCTION, ASSEMBLY, INTEGRATION AND TEST (CORE)
 - Offerors shall complete the OFI's for
 - CLIN 2 Core
 - CLIN 2A Critical Spares
 - Price for CLIN 2 Core is valid for up to one year beyond the proposed CLIN 2 Core Authority to Proceed (ATP) date
 - CLIN 2 price includes the full USDV final assembly, integration, and test performed during Dwell that supports the Government's L-12 month call up for launch.

Section B USDV Pricing Schedules



- CLIN 3 DWELL (IDIQ)
 - Includes storing the USDV in the Dwell facility prior to shipment to the Launch Site Payload Processing Facility (PPF) and reporting on the Dwell status at the quarterly Program Management Review
 - Pricing is outlined on a Firm Fixed Price per Quarter in Table

Pricing Element	GFY 2028	GFY 2029	GFY 2030	GFY 2031	GFY 2031 Option Period 1	GFY 2032 Option Period 2	GFY 2033 Option Period 3	GFY2034 Option Period 4	GFY 2035 Option Period 5
	10/1/2027-9/30/2028	10/1/2028-9/30/2029	10/1/2029-9/30/2030	10/1/2030-3/31/2031	4/1/2031-9/30/2031	10/1/2031-9/30/2032	10/1/2032-9/30/2033	10/1/2033-9/30/2034	10/1/2034-9/30/2035
Dwelling Price Per Quarter Year	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI

Section B USDV Pricing Schedules

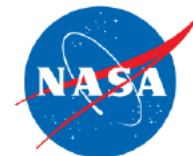


- CLIN 4 LAUNCH VEHICLE (LV) INTEGRATION AND SUSTAINING (IDIQ)

- LV integration and sustaining engineering and operations including final LV integration and testing, pre-launch preparation, flight execution preparation, launch and flight operations, and procurement of hardware
- TABLE B.6: CLIN 4 LAUNCH VEHICLE (LV) INTEGRATION AND SUSTAINING PRICING (\$/HR)

Pricing Elements	GFY 2024	GFY 2025	GFY 2026	GFY 2027	GFY 2028	GFY 2029	GFY 2030	GFY 2031	GFY 2031 Option Period 1	GFY 2032 Option Period 2	GFY 2033 Option Period 3	GFY 2034 Option Period 4	GFY 2035 Option Period 5
	04/18/2024- 9/30/2024	10/1/2024- 9/30/2025-	10/1/2025- 9/30/2026	10/1/2026- 9/30/2027	10/1/2027- 9/30/2028	10/1/2028- 9/30/2029	10/1/2029- 9/30/2030	10/1/2030- 3/31/2031	4/1/2031- 9/30/2031	10/1/2031- 9/30/2032	10/1/2032- 9/30/2033	10/1/2033- 9/30/2034	10/1/2034- 9/30/2035
Program Manager	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Engineer	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Technician	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Business	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Administrative	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Non-Labor Resources (%) Maximum percentage	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI

Section B USDV Pricing Schedules



- CLIN 5 SPECIAL TASKS AND STUDIES (IDIQ) (FFP)
 - Special studies and analyses, risk reduction activities, provide materials, and/or fabricate incidental hardware in support of this contract
 - Sub-CLIN 5A Special Studies (FFP) IDIQ by GFY

B.7.1 SUBCLIN 5A SPECIAL TASKS AND STUDIES (\$/HR or %)

Pricing Elements Technical/Admin	GFY 2024	GFY 2025	GFY 2026	GFY 2027	GFY 2028	GFY 2029	GFY 2030	GFY 2031	GFY 2031 Option Period 1	GFY 2032 Option Period 2	GFY 2033 Option Period 3	GFY 2034 Option Period 4	GFY 2035 Option Period 5
	04/18/2024- 9/30/2024	10/1/2024- 9/30/2025	10/1/2025- 9/30/2026	10/1/2026- 9/30/2027	10/1/2027- 9/30/2028	10/1/2028- 9/30/2029	10/1/2029- 9/30/2030	10/1/2030- 3/31/2031	4/1/2031- 9/30/2031	10/1/2031- 9/30/2032	10/1/2032- 9/30/2033	10/1/2033- 9/30/2034	10/1/2034- 9/30/2035
Level 1 (90/10)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Level 2 (75/25)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Level 3 (50/50)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Level 4 (25/75)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Non-Labor Resources (%) Maximum percentage	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI

Section B USDV Pricing Schedules



- CLIN 5 SPECIAL TASKS AND STUDIES (IDIQ) (FFP)
 - Special studies and analyses, risk reduction activities, provide materials, and/or fabricate incidental hardware in support of this contract
 - Sub-CLIN 5B Evaluation Requirements (FFP) IDIQ by GFY
 - B.7.2 SUBCLIN 5B SPECIAL TASKS AND STUDIES (\$)

Pricing Elements	GFY 2024	GFY 2025	GFY 2026	GFY 2027	GFY 2028	GFY 2029	GFY 2030	GFY 2031	GFY 2031 Option Period 1	GFY 2032 Option Period 2	GFY 2033 Option Period 3	GFY 2034 Option Period 4	GFY 2035 Option Period 5
	04/18/2024-9/30/2024	10/1/2024-9/30/2025	10/1/2025-9/30/2026	10/1/2026-9/30/2027	10/1/2027-9/30/2028	10/1/2028-9/30/2029	10/1/2029-9/30/2030	10/1/2030-3/31/2031	4/1/2031-9/30/2031	10/1/2032-9/30/2033	10/1/2032-9/30/2033	10/1/2033-9/30/2034	10/1/2034-9/30/2035
Tier I (125 hrs.)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Tier II (250 hrs.)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Tier III (500 hrs.)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Tier IV (750 hrs.)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI
Tier V (1000 hrs.)	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI	OFI

Section B USDV Pricing Schedules



- JSC PROCUREMENT INSTRUCTION (JPI) 52.216-90 IDIQ MINIMUM AND MAXIMUM ORDERING LIMITS (NOV 2018)
 - Applies to
 - CLIN 3: Dwell
 - CLIN 4: Launch Vehicle Integration and Sustaining
 - CLIN 5: Special Tasks and Studies
 - Minimum ordering value \$100,000
 - Total IDIQ ceiling: \$302 million

Section D Packaging and Marking



- NONE

Section E INSPECTION AND ACCEPTANCE



- Updated clauses to clarify which apply to FFP only or CPIF only
- Updated E.2 FAR 52.246-11 HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT
 - Added requirement for AS9115, Quality Management System – Requirements for Aviation, Space and Defense Organizations – Deliverable Software
- E.3 Updated NFS 1852.246-71 GOVERNMENT CONTRACT QUALITY ASSURANCE FUNCTIONS
 - Removed Critical Item Lists
- E.5 Updated PRELIMINARY INSPECTION AT SOURCE AND FINAL INSPECTION AND ACCEPTANCE AT DESTINATION
 - Added that final inspection and acceptance is performed at the hardware/software acceptance destination

Section F DELIVERIES OR PERFORMANCE



- Updated clauses to clarify which apply to FFP only or CPIF only
- F.2 COMPLETION OF WORK
 - CLIN 1 DDT&E through CDR per the Attachment J-30, Work Plan
 - CLIN 2 PRODUCTION, ASSEMBLY, INTEGRATION AND TEST refer to Clause F.3 52.211-8, Time of Delivery
 - CLIN 3-5 IDIQ refer to IDIQ clauses I.4 FAR 52.216-18 Ordering
- Updated F.3 FAR 52.211-8 TIME OF DELIVERY
 - Completion of Milestone C2-5 Shipment to Launch Site: August 1, 2028
 - Assumes required to launch December 1, 2028
 - Offerors will complete the Completion of Milestone C2-5 Shipment to Acceptance Destination as a Calendar Date
- Clarified F.3 OPTION TO EXTEND clause
 - Applies to CLINs 3-5 that are IDIQ
 - Clarified option periods

Section G CONTRACT ADMINISTRATION DATA



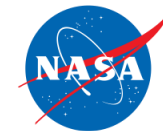
- Updated clauses to clarify which apply to CPIF only

Section H SPECIAL CONTRACT REQUIREMENTS



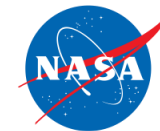
- Updated list of clauses to clarify which apply to CPIF only
- Updated H.2 NFS 1852.209-71 LIMITATION OF FUTURE CONTRACTING clause:
 - Deleted sub-paragraph (b) (2) related to impairment due to potential effect on other interests of the contractor.
 - Deleted sub-paragraph (c) (2) related to the requirement to participate in technical reviews or provide engineering consultant services on its own proposals/quotations, products or services.
- H.4 CROSS-WAIVER OF LIABILITY EXTENDED FOR ISS ACTIVITIES
- Updated H.6 NFS 1852.235-71 KEY PERSONNEL AND FACILITIES
 - Clarified that Key Personnel and Key Facilities are required to have names provided
- Updated H.9 NASA INSIGHT AND APPROVAL

Section H SPECIAL CONTRACT REQUIREMENTS



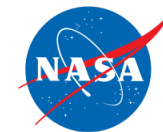
- Updated H.18 TECHNICAL DATA AND COMPUTER SOFTWARE – WITHHOLDING OF PAYMENT
 - Paragraph c to outline the withholding percentage
- Added H.26 CONTRACTOR BUSINESS SYSTEMS
 - Defines requirements for contracts under 41 U.S.C chapter 15
- Added H.27 FAR 52.223-94 JSC ENVIRONMENTAL COMPLIANCE
- Updated H.28 USDV COMMUNICATIONS requirements

Section I CONTRACT CLAUSES



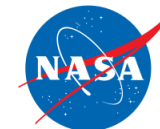
- Updated list of clauses to clarify which apply to FFP only or CPIF only; clarified fill-ins
- Added the following clauses to I.1:
 - FAR 52.211-15, DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS
 - FAR 52.223-11, OZONE-DEPLETING SUBSTANCES AND HIGH GLOBAL WARMING POTENTIAL HYDROFLUOROCARBONS
 - FAR 52.234-1, INDUSTRIAL RESOURCES DEVELOPED UNDER TITLE III, DEFENSE PRODUCTION ACT
 - FAR 52.246-25, LIMITATION OF LIABILITY-SERVICES
 - NFS 1852.203-70, DISPLAY OF INSPECTOR GENERAL HOTLINE POSTERS
 - NFS 1852.203-71, REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS
- FAR 52.215-21 REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA-MODIFICATIONS

Section I CONTRACT CLAUSES



- Added I.3 FAR 52.204-27 PROHIBITION ON A BYTEDANCE COVERED APPLICATION
- I.5 FAR 52.216-18 ORDERING
 - Orders may be issued through **March 31, 2031**
- I.8 FAR 52.217-7 OPTION FOR INCREASED QUANTITY - SEPARATELY PRICED LINE ITEM (CLIN 2A Critical spares)
 - Government may order at any time between contract award and two years after contract award
 - Long lead parts to meet a 2-year call-up delivery to launch site processing facility of a second USDV vehicle, whereas the Long Lead Parts procured under CLIN2 (Milestone C2-1) is for nominal USDV delivery, which doesn't include the 2-year call-up window.
- Updated I.18 FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES to JUN 2023 version
- Clarified I.23 NFS 1852.216-80 TASK ORDERING PROCEDURE. (OCT 1996) ALTERNATE II applies to FFP IDIQ only
 - Applies to CLINs 3-5
- Clarified I.26 that NFS 1852.234-2 EARNED VALUE MANAGEMENT SYSTEM. (NOV 2015) (DEVIATION) applies to CPIF only

Section J LIST OF ATTACHMENTS



- Eliminated:
 - J-02 DRD Submission Matrix (rolled into J-01)
 - J-35 Launch Vehicle Compatibility
- Updated:
 - J-03 Acronyms and Abbreviations
 - J-04 Definitions
 - J-05 Applicable and Reference Documents List
 - J-30 Work Plans
 - Clarified instructions
 - Added Table A.2 CLIN CORE (Firm Fixed Price) Work Plan
 - Modified Table A.1 CLIN 1 CORE (CPIF) Work Plan so that it is not required if FFP proposed for CLIN 1
 - Milestone C2-5 changed from “Shipment to Launch Site” to “Shipment to Acceptance Destination”;
 - Milestone C2-4 System Acceptance payment percentage defined as 30%
 - Add Note that “Offerors shall provide a price for CLIN 2 CORE that is valid for up to one year beyond the proposed CLIN 2 CORE ATP date”
 - J-32 Standard Labor Categories – added a mapping to Key Personnel Positions
 - J-37 Incentive Fee Plan – deleted reference to Performance Incentive and clarified that it is required only for CPIF

Section K REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS



- Check all appropriate boxes and fill-in all designated “Offeror Fill-ins”.
- Ensure your annual representations and certifications are up to date in sam.gov.
- Provision K.21 – Approval to incorporate limited rights data within data deliverable to the Government will be made after award.

Section L INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR RESPONDENTS



- Updated L.2 FAR 52.211-3 AVAILABILITY OF SPECIFICATIONS NOT LISTED IN THE GSA INDEX OF FEDERAL SPECIFICATIONS, STANDARDS AND COMMERCIAL ITEM DESCRIPTIONS
 - Updated Availability of Specifications table
- L.3 FAR 52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE, EMERGENCY PREPAREDNESS, AND ENERGY PROGRAM USE
 - USDV is DO-C9 rated order
- Updated L.4 FAR 52.216-1 TYPE OF CONTRACT
- Added L.12 NFS 1852.234-1 NOTICE OF EARNED VALUE MANAGEMENT SYSTEM (Applies to CPIF only)

Section L INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR RESPONDENTS



- **L.15 LIST OF AVAILABLE GOVERNMENT PROPERTY**

- Updated Table L.15-1 List of Available Government Property
 - Noted NDS Block 1 is Type II
 - Updated Note 1 to add “NASA provides for direct communication between the USDV contractor and the NASA NDS Sustaining Engineering contractor. In accordance with Clause H.9, the USDV contractor establishes Associate Contractor Agreement with the NASA Sustaining Engineering contractor. NASA retains decision authority affecting the NDS.”
 - Added dollar values for NSIs and NSDs
- Offerors shall fill in the applicable "OFIs" in Attachment J-33, Government-Furnished Property, Facilities, and Data/Information if requesting GFP

- **L.16 LIST OF AVAILABLE GOVERNMENT FACILITIES**

- Updated Table L.16-1 List of Available Government Facilities
- Offerors shall fill in the applicable "OFIs" in Attachment J-33, Government-Furnished Property, Facilities, and Data/Information if requesting Government Facilities



- L.18 ELECTRONIC SUBMISSION OF PROPOSALS – PROPOSAL MARKING AND DELIVERY THROUGH NASA'S EFSS BOX
- L.20 JSC 52.215-124 COMMUNICATIONS REGARDING THIS SOLICITATION (MAR 2023) (JSC PROCUREMENT INSTRUCTION)
 - Questions are due **October 11, 2023**
- Updated L.21 Offeror Acceptance Period
 - Updated Table 21-1 Cross Reference from Section L to Section M

Section L INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR RESPONDENTS



- L.27 MISSION SUITABILITY (MS) FACTOR – VOLUME II
 - L.27.1 Added assumption that 2 years of dwell was based on a launch delay of 2 years
- L.27.1 TECHNICAL APPROACH (TA) - MISSION SUITABILITY SUBFACTOR 1
 - Added clarification that Attachment L-32 Standard Labor Categories (SLC) are to be mapped to the NASA SLC in Attachment L-05
 - Added mass, Spacecraft dimensions (radial and height), and orbit insertion requirements (inclination and altitude) to TA.2
 - Removed narrative for a Medium Launch Vehicle
 - Added approach to NASA Docking System integration (if applicable)
- L.27.2 MANAGEMENT APPROACH (MA) - MISSION SUITABILITY SUBFACTOR 2
 - Clarified MA.3 Work Plans based on CLIN 1 options for CPIF or FFP
- L.29 Clarified where applicable to CPIF only
- L.30 Updated to reflect CLIN 1 option as CPIF or FFP

Section M EVALUATION FACTORS FOR AWARD

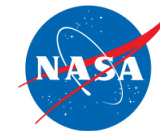


*Price is approximately **equal** to the **combined** importance of the **Mission Suitability** and **Past Performance***



*As Individual Factors, **Mission Suitability** is **more important** than **Past Performance**.*

Section M EVALUATION FACTORS FOR AWARD



- M.2 COST AND PRICE FACTOR (VOLUME I)
 - Clarified cost and price factor instructions
 - If an Offeror proposed CPIF for CLIN 1, then the Government will perform a cost realism analysis on CLIN 1
 - If an Offeror proposed FFP for CLIN 1, then the Government would perform price analysis on CLIN 1
 - For FFP CLINs 2-5, the Government will perform price analysis on CLINs 2-5, regardless of Offerors decision to propose CPIF or FFP for CLIN 1
 - The proposed total evaluated price and the results of the Government's analysis will be presented to the Source Selection Authority (SSA) for consideration in making a source selection decision.

Section M EVALUATION FACTORS FOR AWARD



- Total Evaluated Price will be the summation of:
 1. CLIN 1 - DDT&E through CDR (CPIF or FFP) Core Contract by GFY
 2. CLIN 2 - Production, Assembly, Integration, and Test (FFP) Core Contract by GFY
 3. CLIN 2A - Option (FFP) Core Contract by GFY
 4. CLIN 3 - Dwell (FFP) IDIQ, Average GFY 2028-2035 x 2yrs
 5. CLIN 4 - Launch Vehicle Integration and Sustaining (FFP) IDIQ by GFY
Pre-Priced Task Order Based on CLIN 4 IDIQ by GFY
 6. CLIN 5 - Special Task & Studies
Sub-CLIN 5A Special Studies (FFP) IDIQ by GFY
Sub-CLIN 5B Evaluation Requirements (FFP) IDIQ by GFY
 7. Government Task Agreements (GTA)
 8. Government Provided (Furnished Property, Facilities, & Data/Information)

Section M EVALUATION FACTORS FOR AWARD



- M.3 MISSION SUITABILITY FACTOR (VOLUME II)

- M.3: Reordered Technical and Management approaches so that Technical Approach is now Subfactor 1 and Management approach is Subfactor 2
- Mission Suitability Subfactor Weighting

Technical Approach 650 points

Management Approach 200 points

Small Business Utilization 150 points

TOTAL 1000 points

- M.5: Clarified Company Information

- The Contracting Officer makes the determination of responsibility per FAR 9.104.
 - Responsible means that the contractor has adequate organizational and financial controls, satisfactory business ethics, financial resources, the ability to successfully perform the work, is eligible, etc.
 - This determination is performed by the CO and is separate from the selection decision.
 - If an offeror is not responsible, then they are not eligible for award.
- The Contracting Officer will also check the Contractor Performance Assessment Reporting System (includes records of the Contractor's previous contracts).
- The Contracting Officer will request an Equal Opportunity clearance and check to ensure the veteran's reports are submitted.
- This determination is performed for offerors in the competitive range or the successful offeror only.

- The Model Contract consists of Sections A-K of the RFP.
 - Sections L and M are used for selection purposes only and shall not be included in the Model Contract (Volume V) submission.
- The Offerors will submit a signed Model Contract with their proposal.
 - The Model Contract becomes the actual contract and so it must be complete and correct.
 - The Model Contract must be signed by a person authorized to commit the offeror.
 - All pages must be returned – not just the pages with the fill-ins.
- The Contracting Officer will sign the Model Contract of the Successful Offeror once all issues are resolved and the selection decision is made.
- Errors or inconsistencies in the Model Contract (that cannot be resolved) may result in an offeror being removed from consideration for award.
- The Model Contract takes precedence over the proposal.
 - Ensure that your prices and rates in the Cost/Price Volume are reflected in Section B of the Model Contract.

GTA Engagement Process



- NASA is currently in blackout with industry, limit interaction to only the NASA USDV Contracting Officer and NASA GTA Point of Contact

NASA GTA POC: NASA/ISS Program Transportation Integration Office, Deputy Manager

Kristi Duplichen (kristi.m.duplichen@nasa.gov)

- Final GTA requests are due to the NASA GTA POC **no later than 5:00 p.m. Central Time on October 10, 2023.**
- The NASA GTA POC will coordinate all GTA requests with NASA Performing Organizations (including other NASA Centers).
- NASA intends to disposition and return all GTA requests received by the GTA due date no later than seven (7) calendar days prior to the USDV proposal (Volume I, II, IV and V) due date.

Charles Williams, Small Business Specialist

JSC Office of Small Business Programs

Small Business Goals Information



- The NASA Agency-level Small Business goals are provided for informational purposes for consideration in the development of individual Offeror Small Business Participation goals.

Small Businesses (SB)	15.7%
Small Disadvantaged Business Concerns (SDB)	5.0%
Women Owned Small Business Concerns (WOSB)	5.0%
Historically Black Colleges and Universities and Other Minority Institutions (HBCU/MI)	1.0%
HUBZone Small Business Concerns (HBZ)	3.0%
Veteran-Owned Small Business Concerns (VOSB)	3.5-4.0%
Service-Disabled Veteran-Owned Small Business Concerns (SDVOSB)	3.0%

- Plans must address all of the elements of FAR Clause 52.219-9 Alternate II.

Industry Assistance Office Contact Information



- Main phone number: (281) 483-4512
- Robert Watts
Small Business Specialist
- Monica Craft
Small Business Specialist
- Tumarrow Romain
Small Business Specialist
- All emails should be sent to: jsc-smallbusiness@mail.nasa.gov
- Location: Building 1, Suite 453
- Address:
NASA Johnson Space Center,
Office of Small Business Programs-JSC
Mail Code: BA
2101 NASA Parkway
Houston, TX 77058-3696

Office of Small Business Programs – Johnson Space Center



- Main phone number: (281) 483-4512
- All emails should be sent to: jsc-smallbusiness@mail.nasa.gov
- Location:
Building 1, Suite 453
- Address:
NASA Johnson Space Center,
Industry Assistance Office
Mail Code: BA
2101 NASA Parkway
Houston, TX 77058-3696

Question & Answer

Submit Questions
through the QR code



5 Minute Break for Industry to Submit Questions

Submit Questions
through the QR code



15 Minute Break

Q&A Site Closed for
New Questions

Question and Answer Period

Schedule



Milestone	Dates
Sources Sought Synopsis	8/19/2022
Industry Day	12/7/2022
Draft Request for Proposal (RFP) Release	5/4/2023
Pre-solicitation Conference	5/9/2023
Final RFP Release	9/18/2023
Pre-proposal Conference	10/3/2023
Final GTA Requests Due to NASA	10/10/2023
Past Performance Volume Due	10/16/2023
NASA GTA Request dispositions provided back to Offeror	No later than 7 calendar days before the proposal due date
Proposals (Remaining Volumes) Due	11/17/2023
Contract Award	4/18/2024
Contract Start	4/18/2024





Thank you for attending the Johnson Space Center
Preproposal Conference
for the U.S. Deorbit Vehicle (USDV)

Pricing Pre-Proposal Conference will start at 2:30 PM Central Time

