

FA2391-23-S-2403
Pioneering Aerospace Capabilities, Engineering and Research (PACER)

CALL:
Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR)

27 JAN 2025

OVERVIEW INFORMATION

Broad Agency Announcement Type:

The PACER BAA FA2391-23-S-2403. Offerors should monitor www.SAM.gov for any additional notices or modifications to this CALL announcement.

NAICS Code:

The NAICS Code for this acquisition is 541715 (Research and Technology in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)), and the small business size standard is 1,000 employees. The following Small Business Administration (SBA) size standard exceptions may apply: *Aircraft, Aircraft Engine and Engine Parts* is 1,500 employees; *Other Aircraft Parts and Auxiliary Equipment* is 1,250 employees; and *Guided Missiles and Space Vehicles, Their Propulsion Units and Propulsion Parts* is 1,300 employees.

Federal Agency Name:

Air Force Research Laboratory, Aerospace Systems Directorate, AFRL/RQ

Moratorium on White Papers:

Beginning from the date of publication of this CALL and continuing until six months after the due date for Proposals, no White Papers submitted during the PACER BAA Open Period covering the topic specified in this CALL, "RQV Topic 18 – Multidisciplinary Design, Analysis and Optimization (MDAO)" will be accepted.

DUE DATE AND TIME:

CALL (solicitation): PROPOSAL DUE DATE AND TIME: **Tuesday, 01 APRIL 2025, 1:00 P.M. local time, Wright-Patterson AFB, OH.**

Submission:

Proposals must be submitted to the Primary Contracting Point of Contacts (POCs):
Contracting Officer, AFRL/RQKPC Erin Plessinger; erin.plessinger@us.af.mil
Contract Specialist, AFRL/RQKPC, Sal Spinier; sal.spanier@us.af.mil

Electronic submission is required. Offerors, please request a [DoD Safe Drop-Off link](#) by email to sal.spanier@us.af.mil at least 4 calendar days prior to Proposal due date.

Type of Contract / Instrument:

The Air Force reserves the right to award the instrument best suited to the nature of research proposed. Accordingly, the Government may award any appropriate contract type under the FAR or Other Transaction (OT) for Prototype, grant, cooperative agreement, or OT for Research. The Air Force may also consider award of an appropriate technology transfer mechanism if applicable. It is anticipated that awards under this CALL will likely be Multiple Award Fair Opportunity (MAFO) IDIQ contracts with Cost Plus Fixed Fee (CPFF), Cost Reimbursement, Cost Share (at the discretion of the offeror), and/or Firm Fixed Price (FFP) task orders. Cost reimbursement contracts require successful offerors to have an accounting system considered adequate for tracking costs applicable to the contract. The IDIQ minimum guarantee required by FAR 16.504(a)(1) will be the initial Task Order solicited with this CALL. We anticipate that the initial task order will be a CPFF type task order.

Estimated Total Program Cost:

Shared IDIQ ceiling of \$200M (for the program; not per contract).

Anticipated Number of Awards:

The Air Force anticipates one or more Multiple Award IDIQ awards for this CALL. However, the Air Force reserves the right to award zero, one, or more contracts for all, some or none of the solicited efforts based on the offeror's ability to perform desired work and funding fluctuations.

Brief Program Summary Multidisciplinary, Aerodynamics, and Structures Technology Research (MASTR) IDIQ:

The objective of MASTR IDIQ is to conduct basic, applied, advanced, and demonstration / validation research to develop and demonstrate, integrate, and transition new aerospace vehicle technologies to the warfighter. These technologies include advanced research and development in structures, aerodynamics, and multidisciplinary science and technologies. The goal of these technology advancements is to improve cost effectiveness, increase vehicle survivability, increase mission performance, and introduce new capabilities. Task Orders shall be used to conduct basic, applied, advanced, and demonstration/validation research and technology development in the following AFRL/RQV technical competencies/research areas.

Technical Competencies/Research Areas List:

- Multidisciplinary Science & Technology
- Classified Design and Experimental Studies
- Structures Technology
- Aerodynamic Technologies
 - Weapons Integration
 - Airframe Propulsion Integration
 - Advanced Aerodynamic Technologies
 - Advanced Aerodynamic Design and Analysis
 - Aerodynamic Experimentation & Validation
- Systems Engineering

Brief Program Summary MASTR - Capabilities Study Initial Task Order:

Through the use of the Capabilities Study Task Order, under the Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR) IDIQ, AFRL/RQV will conduct basic, applied, advanced, and demonstration/validation research and technology development in the following technical competencies/research areas (see MASTR Basic IDIQ SOO for further details on each of these technical areas): Multidisciplinary Science & Technology, Classified Design and Experimental Studies, Structures Technology, Aerodynamic Technologies, Systems Engineering. Research and technology development in these technical competencies may require the use of technology demonstration vehicles, ground test facilities, flight test facilities, and/or laboratory experiments to develop, analyze, and assess aerospace vehicle structures technologies for transition to the warfighter.

Technical Requirements/Tasks:

- Identify Technology Gap and Conceptual Research Project
- Define Strategy for Increased Security Levels

Communication Between Prospective Offerors and Government Representatives: All communication prior to and after the Proposal deadline shall be directed to the Contracting POCs listed below:

Contracting POCs

Erin Plessinger
Contracting Officer
AFRL/RQKPC
erin.plessinger@us.af.mil

Sal Spanier
Contract Specialist
AFRL/RQKPC
sal.spanier@us.af.mil

FULL TEXT ANNOUNCEMENT:

1. PROGRAM DESCRIPTION:

Air Force Research Laboratory, AFRL/RQV, The Aerospace Vehicles Division, is soliciting IDIQ and Task Order Proposals on the following research effort: **RQV Topic #18 Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR)**

1.1. Statement of Objectives: See the following Attachments:

Attachment 1 MASTR IDIQ Statement of Objectives (SOO)

Attachment 2 MASTR Capabilities Study Initial Task Order SOO

This effort falls within the PACER BAA (FA2391-23-S-2403), Technical Objective Area RQV Topic 18 – Multidisciplinary Design, Analysis and Optimization (MDAO).

RQV Topic 18 – Multidisciplinary Design, Analysis and Optimization (MDAO):

Discover, develop and demonstrate MDAO methods and technologies to enable next-generation aerospace vehicles and provide Air Force decision makers risk-quantified effectiveness assessments of concepts and technologies. Areas of interest include but are not limited to multidisciplinary, multi-fidelity system level effectiveness based design optimization, risk-quantified multi-fidelity coupled analyses and sensitivities, goal oriented adaptive analyses, risk-quantified gradient and non-gradient based design space exploration including machine learning, physics- and statistics-based Reduced Order Models (ROMs), optimization methods, uncertainty quantification methods, model based systems engineering, robust model construction methods, data assimilation methods, digital engineering design methods, multidisciplinary technologies (such as active aeroelastic wing, active flutter suppression, multifunctional structures, etc..), additive manufacturing for design and testing, and experimental validation via ground or flight testing.

1.2. Within Scope Modification:

Potential offerors are advised that due to the inherent uncertainty of research and development efforts, awards resulting from this announcement may be modified during performance to make within scope changes, to include but not limited to, modifications which increase overall contract ceiling amount and modifications under authority of DFARS 235.006-71.

1.3. Deliverable Items:

1.3.1. Data Items:

Contract Data Requirements List (CDRL):

CDRL	Title
A001	Scientific and Technical Reports - Final Report
A002	Contract Funds Status Report (CFSR)
A003	Funds and Man-Hour Expenditure Report
A004	Contractor Spend and Expenditure Plan
A005	Project Planning Chart
A006	Status Report
A007	Scientific and Technical Reports - Interim Report
A008	Presentation Material
A009	Test Plan
A010	Test Procedure
A011	Scientific and Technical Reports - Flight Test Data
A012	Software Design Description (SDD)
A013	Software Development Plan (SDP)

A014	Software User Manual (SUM)
A015	Data Base Design Description (DBDD)
A016	Data Accession List (DAL)
A017	System/Subsystem Design Description (SSDD)
A018	Developmental Design Drawings/Models and Associated Lists
A019	Computer Software Product
A020	Material and Processing Digital Data Package (MPDDP)
A021	Technical Report-Study/Services
A022	Interface Design Description (IDD)
A023	Interface Requirements Specification (IRS)
A024	Computational Aerodynamic Model (CAM)
A025	System Architecture Model (SAM)
A026	Interface Control Document (ICD)
A027	Flight Flutter Test Report
A028	Internal Loads and Static Strength Analysis Report
A029	Software Test Description (STD)
A030	Software Test Plan (STP)
A031	Software Test Report (STR)
A032	Management Plan
A033	Report, Record of Meeting/Minutes
A034	Cost Data Summary Report (CDSR) (DD Form 1921)
A035	Computer Operation Manual (COM)
A036	Computer Software Product End Items - Data Base
A037	Firmware Support Manual (FSM)
A038	Software Center Operator Manual (SCOM)
A039	Software Input/Output Manual (SIOM)
A040	Software Product Specification (SPS)
A041	Software Quality Assurance Report
A042	Software Requirements Specification (SRS)
A043	Software Version Description (SVD)
A044	System Safety Hazard Analysis Report (SSHA)
A045	System Engineering Management Plan (SEMP)
A046	Test Plans/Test Procedures
A047	Operations Security (OPSEC) Plan
A048	Program Protection Implementation Plan (PIIP)
A049	Scientific and Technical Reports: Critical Technologies Identification Assessment

A050	Software Resources Data Reporting (SRDR): Development, Maintenance and Enterprise Resource Planning Development Reports, and Data Dictionary
A051	Software Resources Data Reporting: Final Developer Report and Data Dictionary
A052	Software Resources Data Reporting: Initial Developer Report and Data Dictionary
A053	Engineering Data for Provisioning (EDFP)
A054	Flutter Analysis Report
A055	Briefing Material
A056	Computational Aerodynamics Analysis Results
A057	Airworthiness Compliance Report
A058	Airworthiness Certification Basis
A059	Commercial Derivative Aircraft (CDA) Airworthiness Certification Data
A060	System/Software Integration Laboratory (SSIL) Development Management Plan
A061	Airframe Rigidity Test Report
A062	Durability and Damage Tolerance (DADT) Analysis Report
A063	Durability and Damage Tolerance (DADT) Test Report
A064	Software Development Summary Report
A065	Cybersecurity Implementation Plan
A066	Security Classification Guide
A067	Federal Aviation Administration Airworthiness Substantiation Data
A068	Commercial Engineering Design Data and Associated Lists
A069	Scientific and Technical Reports: Security Plan
A070	Scientific and Technical Reports: R&R Annual Update

*See Attachment 5 for the Contract Data Requirements List

1.3.2. Hardware:

Test articles, subcomponents, tooling, geometry data, etc. Hardware will be managed with a contract line-item number.

1.3.3. Software:

Design tools, analysis tools, simulation, and experimentation development, etc. Software will be managed with a contract line-item number.

1.4. **Period of Performance:**

Basic IDIQ PoP:

- Overall PoP: 132 months
- Ordering Period: 120 months

Initial TO PoP:

- Overall PoP: 6 months
- Technical Period of Performance: 3 months
- Reporting: 3 months

1.5. Other Requirements:

1.5.1. Program Security Classification:

Secret DD Form 254 Contract Security Program Specifications Attachment 4. Offerors must verify their Cognizant Security Office information is current with Defense Counterintelligence and Security Agency (DCSA) at www.dcsa.mil.

1.5.2. OPSEC:

Operations Security (OPSEC) requirements, per the PACER BAA, FA2391-23-S-2403, (Revision 1) dated 5 June 2024 (page 10), shall be incorporated into the Statements of Work.

1.5.3. Export Control:

Information involved in this research effort is subject to Export Control (International Traffic in Arms Regulation (ITAR) 22 CFR 120-131, or Export Administration Regulations (EAR) 15 CFR 710-774). A Certified DD Form 2345, Military Critical Technical Data Agreement, is required to be submitted with the Proposal.

1.5.4. Export-Controlled Items:

As prescribed by DFARS 225.7901-4, DFARS 252.225-7048, "Export-Controlled Items (JUN 2013)" shall be contained in ALL resulting contracts. The contractor must have an active DD Form 2345, *Militarily Critical Technical Data Agreement*, and a NIST 800-171 assessment in SPRS.

1.5.5. Contractor Performance Assessment Reporting System (CPARS):

Not Applicable.

1.6. The below provisions/clauses shall be included, but not limited to the following:

- FAR 52.204-27 Prohibition on a ByteDance Covered Application (Full Text)
- DFARS 252.204-7008 Compliance with Safeguarding Covered Defense Information Controls (Full Text)
- DFARS 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting (Full Text)
- DFARS 252.204-7018 Prohibition of the Acquisition of Covered Defense Telecommunications Equipment or Services (Full Text)
- DFARS 252.204-7019 NIST SP 800-171 DoD Assessment Requirements – Please be aware the offeror is required to implement NIST SP 800-171 pursuant to DFARS Clause 252.204-7012 (Full Text)
- DFARS 252.204-7020 NIST SP 800-171 DoD Assessment Requirements
- DFARS 252.215-7009 Proposal Adequacy Checklist
- DFARS 252.228-7001 Ground and Flight Risk (Full Text)
- H0023 Air Force Research Laboratory – Wright Research Site Security Requirements (JUN 2023) (Full Text)

1.7. Other Information:

1.7.1. Government Furnished Property (GFP):

GFP is not anticipated to be made available for the Initial Task Order. However, if future Task Orders would benefit from the use of GFP, in accordance with FAR 45.201(b), the contractor is responsible for all costs related to making the property available for use, such as payment of all transportation, installation or rehabilitation costs.

1.7.2. Government Furnished Information (GFI):

Not Anticipated on Initial Task Order. If required must be identified in the Proposal.

1.7.3. Base Support/Network Access:

TBD for future Task Orders.

1.7.4. Data Rights Desired:

Noncommercial Technical Data: To Be Determined
 Noncommercial Computer Software (NCS): To Be Determined
 NCS Documentation: To Be Determined
 Commercial Computer Software Rights: To Be Determined

The Air Force Research Laboratory is engaged in the discovery, development, and integration of warfighting technologies for our air, space, and cyberspace forces. As such, rights in noncommercial technical data and NCS developed or delivered under this contract are of significant concern to the Government. The Government will therefore evaluate any restrictions on the use of noncommercial technical data, NCS, and NCS documentation which could result in transition difficulty or less-than full and open competition for subsequent development of this technology.

In accordance with DFARS 252.227-7013(b)(1) and 252.227- 7014(b)(1), the Government shall receive unlimited rights in all noncommercial technical data and computer software developed exclusively with Government funds.

In accordance with DFARS 252.227-7013(b)(2) and DFARS 252.227- 7014(b)(2), the Government shall receive Government Purpose Rights (GPR) in all noncommercial technical data and computer software developed with mixed funding. "Developed with mixed funding" means, "development was accomplished partially with costs charged to indirect cost pools and/or costs not allocated to a government contract, and partially with costs charged directly to a government contract." Offerors that propose delivery of noncommercial technical data, NCS, or NCS documentation subject to GPR should fully explain how a portion of the data was developed at private expense. Specifically, offerors must explain what noncommercial technical data, NCS, or NCS documentation developed with costs charged to indirect cost pools and/or costs not allocated to a Government contract will be incorporated, how the incorporation will benefit the program, and address whether those portions or processes are segregable.

Offerors that propose delivery of noncommercial technical data with Limited Rights, NCS with Restricted Rights, or NCS documentation with Limited Rights will be considered. Proposals should fully explain what noncommercial technical data, NCS, or NCS documentation developed with costs charged to indirect cost pools and/or costs not allocated to a Government contract will be incorporated and how the incorporation will benefit the program and whether those portions or processes are segregable.

Offerors shall include the data rights assertions as required by DFARS 252.227-7017, Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software. The assertions list is included in Section K and due at time of proposals. Assertions must be completed with specificity. Each assertion must identify the technical data or computer software to be delivered, and the associated item, component, or process developed exclusively or partially at private expense to which it pertains. Nonconforming data rights assertion lists will not be accepted until submitted in accordance with DFARS 252.227-7017.

Terms used in this section are defined in the clauses at 252.227-7013, Rights in Technical Data-Noncommercial Items, and 252.227-7014, Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation.

THIRD PARTY SOFTWARE (COMMERCIAL AND NONCOMMERCIAL):

If any such software, noncommercial or commercial, is not reasonably identifiable at proposal submission, it must still be approved by the contracting officer prior to incorporation. This obligation to obtain pre- approval by the contracting officer, as described above, continues throughout contract administration.

Noncommercial Computer Software:

DFARS 252.227-7014(d) describes requirements for incorporation of third party noncommercial copyrighted computer software and computer software documentation and is incorporated as follows: The Contractor shall not, without the written approval of the Contracting Officer, incorporate any copyrighted computer software or computer software documentation in the software or documentation to be delivered under this contract unless the Contractor is the copyright owner or has obtained for the Government the license rights necessary to perfect a license or licenses in the deliverable software or documentation of the appropriate scope set forth in DFARS 252.227- 7014(b), and prior to delivery of such -

- a. Computer software, has provided a statement of the license rights obtained in a form acceptable to the Contracting Officer;
- or
- b. Computer software documentation has affixed to the transmittal document a statement of the license

rights obtained.

In addition, all noncommercial computer software will receive the appropriate level rights set forth in DFARS 252-7014(b), which could include: Unlimited rights, GPR, Restricted Rights, or specifically negotiated license.

Commercial Computer Software:

For commercial computer software, the Government will neither accept nor execute a DD Form 250 for such software deliverables until the Contractor obtains from all third party software suppliers and/or vendors (Licensor) licenses for any commercial computer software to be delivered that are consistent with Federal Statutes, Federal Case Law, and Federal Regulations.

The following is a non-exhaustive list of terms and conditions which are inconsistent with Federal law and shall not be included in the commercial computer software license agreement between the Licensor and the Government:

- 1 The license shall not subject the Government to a contingent liability or a liability that is indefinite or indeterminate, including but not limited to: indemnification clauses, unilateral price increases, the right to attorney fees, automatic assessment of charges, or automatic renewal provisions. These provisions constitute obligations in advance or in excess of an appropriation and violate the Anti-Deficiency Act.
- 2 The license shall be governed by Federal Statutes, Federal Case Law, and Federal Regulations, and shall not be subject to the laws or jurisdiction of any municipality, state, or foreign country. The license shall not bind the Government to litigation in a particular forum or venue or require the Government to participate in arbitration.
- 3 The license shall not include non-substitution language that would preclude or limit the Government from using another vendor/reseller and/or product to fulfill Government requirements.
- 4 The Licensor shall not have the authority to unilaterally terminate the license. All remedies available shall be consistent with the Disputes and Termination Clauses in the underlying basic contract.
- 5 The Licensor shall not have the right to enter the premise or monitor Government networks for the purpose of auditing the use of the license.
- 6 The Licensor shall not have the authority to control or otherwise influence any litigation between a third party and the Government. The United States Department of Justice has the sole authority to represent the Government in all litigation matters.
- 7 The Licensor shall not use the fact that the Government is using the Licensor's products in any notification or advertisement to the public (e.g., no publicity rights permitted).
- 8 The license shall not require automatic updates or give Licensor the authority to unilaterally replace the software.

[IF APPLICABLE] Additionally, the Contractor may be required to obtain licenses that comply with the following terms and conditions, based on the Government's needs

- 1 [IF APPLICABLE] The license shall not disclaim all warranties through use of an "as is" provision.
- 2 [IF APPLICABLE] The license shall neither restrict the Government from using the product at various sites nor limit use of the product by various Government agencies or third parties performing work on behalf of the Air Force under the [PROGRAM NAME]. In performance of the [PROGRAM NAME], Government personnel as well as Government contractors may use the software, subject to any negotiated limits on number of users, as applicable.
- 3 [IF APPLICABLE] [The license shall not limit the Government's use of the software at other Government and Government contractor sites.] [The license shall authorize the Government to use the software at the following sites: [list].]
- 4 [IF APPLICABLE] The license shall not restrict the Government from copying or embedding elements of accessible code into other applications (e.g., nesting code, derivative works).

The Contractor may obtain agreement from the Licensor to insert the clause below in its respective software licenses intended to be transferred to the Government:

"In the event that any of the provisions of the [Software License] are determined to be inconsistent with Federal law or do not otherwise satisfy the Government's needs, the parties to the [Software License] hereby agree that such provisions shall be null and void as they pertain to the Government. Specifically, the following sections are hereby deleted from the [Software License] [and/or amended as indicated below]: [Section X: deleted; Section Y: amended as follows [...]]"

If the Licensor will not agree to the terms and conditions cited herein and/or as contained in DFARS 227.72, the Contractor shall retain the current license on behalf of and for the benefit of the US Government

if permissible under its license and such use will not subject the Government to the terms of the license. If the software in question is required to be delivered to the Government, the Licensor must grant the Government a sublicense that allows the Government to use the software to meet its requirements. The Contractor shall provide documentation to clearly correlate or map any commercial computer software to be delivered to:

- 1.1. Contract Line-Item Numbers (CLINS);
- 1.2. Contract Deliverables (CDRLS);
- 1.3. Paragraphs in the statement of work (SOW); and
- 1.4. Portions of any functional block diagrams and/or system architecture diagrams, so that it can be readily determined where certain commercial computer software corresponding to certain software license agreement(s) are physically located on the system to be delivered under the contract.

2. **AWARD INFORMATION:**

2.1. Anticipated Award Date: Anticipated contract award date is approximately AUGUST 2025.

2.2. Anticipated Funding: CAPABILITIES STUDY TASK ORDER range of \$10,000-\$15,000.

3. **ELIGIBILITY INFORMATION:**

See PACER BAA FA2391-23-S-2403

4. **PROPOSAL SUBMISSION INFORMATION:**

Overview: This CALL is One-Step CALL. Proposals will be solicited via THIS CALL.

4.1. CALL - Proposal Instructions:

4.1.1. General Instructions: This CALL consists of offerors submitting Technical and Cost/Business Proposals for the following:

- MASTR IDIQ (plus the following Initial Task Order)
- MASTR Capabilities Study Initial Task Order

****To be eligible for award the USAF must receive a technical and cost proposal for the IDIQ and a technical and cost proposal for the Initial Task Order.***

After receipt, Proposals will be evaluated in accordance with the award criteria in Section 4.1.2. below. Proposals will be categorized and subsequently elected for negotiations.

4.1.2. Technical/Management and Cost/Business volumes should be submitted in separate volumes and MUST be valid for at least **225** days. Offerors **MUST** state this on the cover page of each volume of their proposal. IDIQ TO AND SPECIFIC BY TASKS. OFFERORS MUST SUBMIT A TO PROPOSAL ALONG WITH THE IDIQ PROPOSAL.

4.1.2.1.

Specific Proposal Submission Instructions:

To be eligible for award the USAF must receive a technical and cost proposal for the Basic IDIQ (MASTR) **AND** a technical and cost proposal for the Capabilities Study Initial Task Order.

Combined proposals will not be accepted. Technical/Management and Cost/Business volumes should be submitted in separate volumes and MUST be valid for at least 225 days. Offerors **MUST** state this on the cover page of each volume of their proposal.

After receipt, Proposals will be evaluated in accordance with the award criteria below. Proposals will be categorized and subsequently elected for negotiations.

Offerors should apply the restrictive notice prescribed in FAR 52.215-1(e) Instructions to Offerors—Competitive Acquisition. Offerors should consider proposal instructions contained in the Broad Agency Announcement (BAA) Guide for Industry, which can be accessed on line at

<https://www.afrl.af.mil/Portals/90/Documents/HQ/BAA%20Ind%20Guide%202020.pdf?ver=7AivkWvoUoptKgypgCulvw%3d%3d> This guide is specifically designed to assist the offeror in understanding the BAA proposal process.

- **REMINDER:** *To be eligible for award the USAF must receive a technical and cost proposal for the Basic IDIQ (MASTR) and a technical and cost proposal for Capabilities Study Initial Task Order.*

4.1.3. Proposals MUST reference the announcement number FA2391-23-S-2403, CALL Name, and the relevant Topic Number.

4.1.4. Offerors MUST submit one electronic copy of their Proposals per the directions in the Request for Proposal. Please contact the Contracting POC identified in the CALL if there are any issues submitting an electronic copy.

4.1.5. The cost file(s) spreadsheets must be in Microsoft Excel and include the formulas for calculating cost element bases (i.e., G&A, O/H, etc.)

4.1.6. Offerors are advised that only Contracting Officers are legally authorized to contractually bind or otherwise commit the Government.

4.1.7. The cost of preparing Proposals in response to this BAA is not considered an allowable direct charge to any resulting or any other contract; however, it may be an allowable expense to the normal bid and proposal indirect cost as specified in FAR 31.205-18.

4.1.8. **No classified technical proposals or cost volumes are expected. Offerors are encouraged to keep all elements of the proposal package unclassified.** In the rare case where an offeror has a need to submit a classified appendix, please contact the Technical POC identified in the CALL for delivery instructions.

4.2. Technical/Management Proposal:

4.2.1. IDIQ AND TASK ORDER (TO) INSTRUCTIONS:

4.2.1.1. Page Limitations: The following describes proposal page limitations.

- The Technical/Management Proposal shall be limited to 25 pages. Technical/Management proposals and Statements of Work must be provided in Microsoft Word. Signed pages may be submitted in Adobe.
- Font shall be standard 10-point business font Arial.
- Character spacing must be "normal," not condensed in any manner.
- Pages shall be double-spaced (must use standard double-space function in Microsoft Word), double sided (each side counts as one page), 8.5 by 11 inches, with at least one-inch margins on both sides, top and bottom.
- All text, including text in tables and charts, must adhere to all font size and line spacing requirements listed herein. Font and line spacing requirements **do not** have to be followed for illustrations, flowcharts, drawings, diagrams, cover page, table of contents, and restrictive/proprietary markings (in header or footer). These exceptions shall not be used to circumvent formatting requirements and page count limitations by including lengthy narratives in such items.
- Pages shall be numbered starting with the cover page being Page 1, and the last page being no greater than 25. The page limitation covers all information including indices, photographs, foldouts (counted as 1 page for each 8.5 by 11 portion) tables, charts, appendices, attachments, resumes, etc.

- g. The proposal page limit does not include the offeror's proposed Statement of Work (SOW); however, the same formatting rules apply to the SOW, which is limited to **10 pages**.
- h. **Please Note: The Government will check the Proposal and SOW for conformance to the stated requirements. Any pages in excess of the stated page limitation after the format check will not be considered for review purposes.**

4.3. Technical/Management Proposal:

4.3.1. The Technical/Management proposal(s) shall include a discussion of the nature and scope of the research and the technical approach. Additional information on prior work in this area, descriptions of available equipment, use of base support (if requested), data and facilities and resumes of personnel who will be participating in this effort should also be included as attachments to the technical proposal. These volumes shall include a SOW detailing the technical tasks proposed to be accomplished under the proposed effort and suitable for contract incorporation. **Do not include any proprietary information in the SOW.** Refer to the BAA Guide for Industry referenced above to assist in SOW preparation. In addition to the contractor proposed SOW, a Government generated Supplemental SOW containing additional contracting requirements will be included in any resulting contracts (See PACER BAA Attachment 8).

4.3.2. Any questions concerning the technical proposal or SOW preparation shall be referred to the Technical POCs listed in the CALL.

4.4. Cost/Business Proposal:

4.4.1. Separate the Proposal into a **business section** and **cost section**. If adequate price competition does not exist, and the threshold for a negotiated contract is equal to or expected to exceed \$2,000,000.00, submission of certified cost or pricing data may be required.

- a. See PACER BAA Attachment 2 for the Model Contract. **Note:** The document awarded may include contract line items (CLINs)/clauses/articles in addition to those in the model, and/or some of the CLIN/clauses/articles in the model may be deleted, depending on the specific circumstances of the individual award. Any additions or deletions will be negotiated with the offeror prior to award.
- b. **Business section:** should contain all business aspects to the proposed contract, such as type of contract, any exceptions to terms and conditions of the announcement including the model contract, any information not technically related, etc. Provide rationale for exceptions.
- c. **Associate Contractor Agreements:** Associate Contractor Agreements (ACAs) are agreements between contractors working on Government contracts that require them to share information, data, technical knowledge, expertise, or resources. The contracting officer may require ACAs when contractors working on separate Government contracts must cooperate, share resources or otherwise jointly participate in working on contracts or projects. Prime contractor to subcontractor relationships do not constitute ACAs. For each award, the contracting officer will identify associate contractors with whom agreements are required.
- d. Identify any technical data that will be delivered with less than unlimited rights.
- e. **Subcontracting Plans:** For efforts to exceed \$750,000, Subcontracting Plans shall be submitted in the cost/business proposal. Reference FAR 19.704 and DFARS 219.704 for subcontracting plan requirements. Small business concerns are exempt from this requirement. If an IDIQ contract arrangement is anticipated, the basis for the subcontracting plan should reflect the entire ceiling amount.

- f. Limitations on Pass-Through Charges: As prescribed in FAR 15.408(n)(1) & 15.408(n)(2), provisions 52.215-22, "Limitations on Pass Through Charges- Identification of Subcontract Effort (Oct 2009)," apply.
- g. Completed Certifications and Representations: (Section K) are due with the Proposal. Certifications and Representations (Section K) Attachment 6. Offerors may also be required to submit updated or supplemental Certifications and Representations based on the specifics of their proposal.

4.4.2. If an offeror proposes the use of GFP, the offer must specifically identify each piece of GFP in the Cost/Business Proposal and propose and substantiate a rental cost for evaluation purposes in accordance with FAR 45.202. Include the following information in the proposal:

- a. A list describing all Government property that the offeror or its subcontractors propose to use on a rent-free basis. The list shall identify the accountable contract under which the property is held and the authorization for its use (from the contracting officer having cognizance of the property);
- b. The dates during which the property will be used and, for any property that will be used concurrently in performing two or more contracts, the amounts of the respective uses in sufficient detail to support prorating the rent
- c. The amount of rent that would otherwise be charged in accordance with FAR 52.245-9, Use and Charges; and
- d. The voluntary consensus standard or industry leading practices and standards to be used in the management of Government property, or existing property management plans, methods, practices, or procedures for accounting for property.

4.4.3. Cost Element Breakdown: Clear, concise, and accurate cost proposals reflect the offeror's financial plan for accomplishing the effort contained in the technical proposal. As a part of its cost proposal, the offeror shall submit the information outlined below, together with supporting breakdowns. All direct costs (labor, material, travel, computer, etc.) as well as labor and overhead rates should be provided by contractor fiscal year (CFY). Detailed cost element breakdowns by Government Fiscal Year or calendar year are not required but may be requested. A one-page cost summary must be included unless the CALL specifically waives it. The supporting schedules may include summary level estimating rationale used to generate the proposed costs. The cost element breakdown should include the following if applicable.

- a. **Direct Labor:** Direct labor should be detailed by number of labor hours by category of labor.
- b. **Labor and Overhead Rates:** Direct labor hours, with their applicable rates, must be broken out and the bases used clearly identified. The source of labor and overhead rates and all pricing factors should be identified. For instance, if a Forward Pricing Rate Agreement (FPRA) is in existence, that should be noted, along with the Administrative Contracting Officer's (ACO's) name and telephone number. If the rates are based on current experience in your organization, provide the historical base used and clearly identify all escalation, by year, applied to derive the proposed rates. If computer usage is determined by a rate, identify the basis used and rationale used to derive the rate.
- c. **Material/Equipment:** List all material/equipment items by type and kind with associated costs and advise if the costs are based on vendor quotes, data and/or engineering estimates; provide copies of vendor quotes and/or catalog pricing data.
- d. **Subcontractor Costs:** Submit all subcontractor proposals and analyses with your cost proposal (See FAR 15.404-3(b)). If the subcontractor will not submit cost and pricing information to the offeror, this information must be submitted directly to the Government for analysis. On all subcontracts and interdivisional transfers, provide the method of selection

used to determine the subcontractor and the proposed contract type of each subcontract. An explanation shall be provided if the offeror proposes a different amount than that quoted by the subcontractor. The offeror's proposal must:

- Identify principal items/services to be subcontracted.
 - Identify prospective subcontractors and the basis on which they were selected. If non-competitive, provide selected source justification.
 - Identify the type of contractual business arrangement contemplated for the subcontract and provide rationale.
 - Identify the basis for the subcontract costs (e.g., firm quote or engineering estimate, etc.)
 - Identify the cost or pricing data submitted by the subcontractor.
 - Provide an analysis of the proposed subcontract in accordance with FAR 15.404-3(b).
 - Provide an analysis concerning the reasonableness, realism and completeness of each subcontractor's proposal. If the analysis is based on comparison with prior prices, identify the basis on which the prior prices were determined to be reasonable. The analysis should include, but not be limited to, an analysis of: materials, labor, travel, other direct costs and proposed profit or fee rates.
- e. **Special Tooling or Test Equipment:** When special tooling, and/or test equipment is proposed, attach a brief description of items and indicate if they are solely for the performance of this particular contract or project and if they are or are not already available in the offeror's existing facilities. Indicate quantities, unit prices, whether items are to be purchased or fabricated, whether items are of a severable nature and the basis of the price. These items may be included under Direct Material in the summary format.
- f. **Consultants:** When consultants are proposed to be used in the performance of the contract, indicate the specific project or area in which such services are to be used. Identify each consultant, number of hours or days to be used and the consultant's rate per hour or day. State the basis of said rate and give your analysis of the acceptability of the consultant's rate.
- g. **Travel:** Travel costs must be justified and related to the needs of the project. Identify the number of trips, the destination and purpose. Travel costs should be broken out by trip with number of travelers, airfare, per diem, lodging, etc.
- h. **Computer Use:** Detail the amount and kind of computer usage, the cost, and how the costs were derived.
- i. **Facilities Capital Cost of Money:** If Facilities Capital Cost of Money is proposed, a properly executed DD Form 1861 is required.
- j. **Project Funding Profile:** Offerors should include a project funding profile by Government Fiscal Year (GFY) (1 Oct through 30 Sept) for budgetary purposes. This will enable the Government to easily identify program funding needs by GFY.
- k. If an offeror takes exceptions to the requirements called out in the announcement (e.g., base support, GFP, CDRLs), the exceptions should be clearly stated in the cost proposal.
- l. **Forward Pricing Rate Agreements:** Offerors who have forward pricing rate agreements (FPRA's) and forward pricing rate recommendations (FPRR's) should submit them with their proposal.

m. Cost/Business proposals have no page/formatting limitations.

4.4.4. Proposal Content Summary: You may be ineligible for award if all requirements of this solicitation are not met on the proposal due date.

4.5. Proposal - Peer or Scientific Review Criteria: Proposals will be reviewed against the criteria listed below. The technical aspect, which is ranked as the **1st** (first) order of priority, shall be reviewed based on the following criteria in **DESCENDING** order of importance:

1st - Technical:

- (a) Unique and innovative approach proposed to accomplish the technical objectives. New and creative solutions and/or advances in knowledge, understanding, technology, and the state of the art.
- (b) The offeror's understanding of the scope of the technical effort.
- (c) Soundness of the offeror's technical approach including whether the proposal identifies major technical risks, clearly defines feasible mitigation efforts, and demonstrates related experience and qualifications of technical personnel.
- (d) The potential to transition the research and development deliverables to future Government needs. Any proposed restriction on technical data or computer software will be considered.

2nd - Cost/Price:

The cost evaluation includes the realism of the proposed cost. Cost/Price is a substantial factor but ranked as the **2nd** (second) order of priority. (If an offeror proposes the use of GFP other than any GFP identified in this BAA, and that proposed GFP provides the offeror an unfair competitive advantage, then FAR 45.202 requires rental equivalent be applied to the Cost Factor for evaluation purposes only).

4.6. Proposal - Review and Selection Process

4.6.1. Categories: Based on the Peer or Scientific Review, proposals will be categorized as Selectable, or Not Selectable (see definitions below). The selection of one or more sources for award will be based on the evaluation, as well as importance to agency programs and funding availability.

- **Selectable:** Proposals are recommended for acceptance if sufficient funding is available.
- **Not Selectable:** Even if sufficient funding existed, the proposal should not be funded.

4.6.2. No other evaluation criteria will be used. **Note:** The Government reserves the right to award some, all, or none of the proposals. When the Government elects to award only a part of a proposal, the selected part may be categorized as Selectable, though the proposal as a whole, may not merit such a categorization.

4.6.3. Prior to award of a potentially successful offer, the Contracting Officer will make a determination regarding price reasonableness.

4.6.4. Additional terms, conditions, and instructions applicable to the CALL –

4.6.5. Section K: A completed Section K will be required to be completed.

4.6.6. Model Contract: The BAA contains a model contract as an example only. Applicable Clauses, terms, and conditions may vary per contractor and per proposal and will be addressed during potential negotiations.

4.7. Award Administration Information:

4.7.1. Award Notices: Offerors will be notified whether their proposal (i.e., in response to a CALL) is recommended for award by e-mail. The notification is not to be construed to mean the award of a contract is assured, as availability of funds and if necessary, successful negotiations are prerequisites to any award.

4.7.2. Administrative and National Policy Requirements: See Section I in Revised BAA 5 June 2024 (page 4).

4.7.3. Reporting: Refer to paragraph Section I in Revised BAA 5 June 2024 CDRLs.

5. **ADDITIONAL INFORMATION:**

5.1. BAA terms, conditions, and instructions: All BAA terms, conditions, and instructions contained in BAA FA2391-23-S-2403 shall be considered applicable to this CALL and Proposals shall be in accordance with the BAA, unless deviations are authorized in this CALL.

5.2. Availability of Funds: Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

5.3. **Security Risk Review:**

The Security Risk Review is applied to federally funded research designed to help protect Department of the Air Force Science and Technology (S&T) by identifying possible vectors of undue foreign influence. AFRL will follow all policy and procedures outlined in Air Force Research Laboratory (AFRL) Instruction AFRLI 61-113, Science and Technology Protection for the Air Force Research Laboratory and Department of the Air Force Instruction DAFI 63-101/20-101, Integrated Lifecycle Management.

- (a) Security risk review for these subject application/proposals will be developed for all proposed Senior/Key personnel and "Covered Individuals". These risk reviews will be based on information disclosed in a Research and Related Senior and Key Person Profile and Security Questionnaire. In addition, any accompanying or referenced documents, publicly available information, and information contained in internal U.S. Government databases will be utilized in risk reviews. Nationality or citizenship is not a factor in the security risk reviews.
- (b) When considering all external engagements, AFRL incorporates a holistic decision-making process that encompasses technical and security factors. The security review method implemented by AFRL measures risk factors to identify the appropriate Risk Acceptance Level (RAL) within the organization. The objective analysis of the security risk factors is conducted to empower AFRL's S&T leaders to make risk-informed decisions. The review process generally looks at five factors, or risk areas, but with authority for expanded review as noted in OSD R&E Memorandum dated 6 Jun 2023. The potential security risk factors are set forth below:

Potential security risk factors:

(1) Foreign Talent Program	(2) Funding	(3) Foreign Institutions	(4) Denied Entities	(5) U.S. Government Systems
Indicators of active and past participation or sponsorship in a strategic competitor Foreign Talent Program with history of targeting U.S. research or technology.	Indicators of active, historical, or pattern of conflict of interest, conflict of commitment, or pattern of direct funding from a strategic competitor or country with history of targeting U.S. research or technology.	Indicators of active, historical, or pattern of association with direct affiliation, collaboration with a foreign institution, person, or entity associated with a strategic competitor or country with history of targeting U.S. research or technology.	Indicators of an active affiliation or past affiliation or present association with an entity on the U.S. Gov't denied entity or person list or EO 13959 or subsequent similar issuances	Indicators that may reside in safeguarded U.S. government environments, according to its ascribed classification and not releasable for public consumption.

5.3.1 Actions Required by Applicants/Recipients and/or Offerors/Contractors at application/proposal submission.

In accordance with AFRLI 61-113, S&T Protection, Applicants/Recipients and/or Offerors/Contractors are required to submit the following documentation with their application/proposal:

(a) Contract or Other Transaction Agreement (OTA) proposals:

(i) Research and Related Senior and Key Person Profile Worksheet (See Appendix 3) AND;

(ii) Security Program Questionnaire (See Appendix 2) AND;

(iii) "Privacy Act Statement" consent form for each Covered Individual that is also signed by the Applicant/Recipient as that Individual's Sponsor. (See "Covered Individual" section below, and Appendix 4)

(b) In the event a security risk is identified, and the Government has determined the security risk exceeds the acceptable threshold, the Applicant/Recipient and/or Offeror/Contractor will be notified and informed of the decline of award. **The Government will provide as much rationale for the decision as Government OPSEC measures allow for.** Challenges under awards made solely for Fundamental Research shall follow the OSD R&E Memorandum dated 6 June 2023. Challenges under any other type of award shall follow the Ombudsman procedures within this Announcement/Solicitation.

(c) By submission of the Research and Related Senior Key Person Profile and Security Program Questionnaire, the Applicant/Recipient and/or Offeror/Contractor agrees to comply with the following:

(i) To certify that each covered individual who is listed on the application has been made aware: 1) of all relevant disclosure requirements, including the requirements of 42 U.S.C. § 6605; and 2) that false representations may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802. See National Science and Technology Council Guidance for Implementing National Security Presidential Memorandum 33 (NSPM-33) on National Security Strategy for United States Government-Supported Research and Development (January 2022).

(ii) To establish and maintain an internal process or procedure to address foreign talent programs, conflicts of commitment, conflicts of interest, and research integrity.

(iii) To exercise due diligence to identify Foreign Components or participation by Senior/Key Personnel in Foreign Government Talent Recruitment Programs and agree to share such information with the Government upon request.

5.3.2 Actions Required by Covered Individuals.

(a) Covered Individual. An individual who contributes to a substantive, meaningful way to the scientific development or execution of a research and development project proposed to be carried out with a research and development award from a federal research agency; and is designated as a covered individual by the federal research agency concerned. See 42 U.S.C. § 6605, Definitions. (Note: For purposes of a Broad Agency Announcement (BAA) solicitation, "covered individuals" are all Senior/Key Personnel.)

(b) Federal law requires that all current and pending research support, as defined by 42 U.S.C. §6605, must be disclosed at the time of application/proposal submission, for all covered individuals. The Government may require an updated disclosure during the performance of any research project selected for funding. The Government will require an updated disclosure whenever covered individuals are added or identified as performing under the funded project.

(c) Covered Individuals are also required to sign the "Privacy Act Statement" and provide such signed statement to the Applicant/Recipient and/or Offeror/Contractor for submission with the application/proposal. (See Appendix 4)

(d) Any decision to accept an application/proposal for funding under this announcement/solicitation will include full reliance on the individual's statements. Failure to report fully and completely all sources of project support and outside positions and affiliations may be considered a material statement within the meaning of the False Claims Act, 31 U.S.C. 3729, and constitute a violation of Federal law.

5.3.3 Actions required by Applicants/Recipients and/or Offerors/Contractors during period of performance:

(a) Applicant/Recipient and/or Offeror/Contractor will be required to re-submit the Research and Related Senior and Key Person Profile as an annual requirement. In addition, whenever a new covered individual(s) is to be added or identified as performing under the funded project, a new Research and Related Senior and Key Person Profile will be required prior to continued performance.

(b) If, at any time, during performance of this award, the Applicant/Recipient and/or Offeror/Contractor learns that its Senior/Key Research Personnel (including any sub awardee personnel who receive this designation) are or are believed to be participants in a Foreign Government Talent Program or have Foreign Components with a strategic competitor or country with a history of targeting U.S. technology for unauthorized transfer, the Applicant/Recipient and/or Offeror/Contractor will notify the Contracting/Grants/Agreements Officer within 5 business days of awareness.

(c) This disclosure must include specific information as to the personnel involved and the nature of the situation and relationship. The Government will review this information and conduct any necessary fact-finding or discussion with the Applicant/Recipient and/or Offeror/Contractor. The Government's determination on disclosure may include acceptance, mitigation, or termination of the award.

(d) Failure of the Applicant/Recipient and/or Offeror/Contractor to reasonably exercise due diligence to discover or ensure that neither it nor any of its Senior/Key Research Personnel involved in the subject award are participating in a Foreign Government Talent Program or have a Foreign Component with a strategic competitor or country with a history of targeting U.S. technology for unauthorized transfer may result in the Government exercising remedies in accordance with federal law and regulation.

(e) The Applicant/Recipient and/or Offeror/Contractor will be required to flow down this requirement to all sub awardees/contractors who have personnel designated as Senior/Key Research Personnel as a result of their involvement in the performance of the research.

5.4. Other Information: See page 31 of Revised BAA 5 June 2024.

- Acquisition of Commercial Items
- Support Contractors
- Feedback Sessions
- Item Unique Identification and Valuation
- Pre-Award Clearance
- Updates of Publicly Available Information Regarding Responsibility Matters
- Proposal Adequacy Checklist

5.5. Proposal Reminders: You may be ineligible for award if all requirements of this solicitation are not met.

- Proposals are due no later than the due date and time specified in the CALL.
- Proposal Page limits are strictly enforced.
- Proposals must be submitted in the format specified.
- Proposals are due to the Contracting POCs identified in the CALL.
- Offerors other than small businesses must include a subcontracting plan.

Attachments:

Attachment 1	SOO MASTR
Attachment 2	SOO Capabilities Study Initial Task Order
Attachment 3	Section K - Representations and Certifications
Attachment 4	DD Form 254
Attachment 5	CDRLs
Attachment 6	SOW Supplemental Requirements
Attachment 7	Proposal Adequacy Checklist
Attachment 8	Data Assertion Table
Attachment 9	Section H Clause - H0023 - Wright Research Site Security Requirements
Attachment 10	Subcontractor Analysis Guidance
Attachment 11	Subcontractor Analysis Template
Attachment 12	Security Program Questionnaire
Attachment 13	Research and Related Senior and Key Person Profile Worksheet
Attachment 14	AFRL Privacy Act for Covered Individuals Fillable
Attachment 15	SECURITY PLAN Template

STATEMENT OF OBJECTIVES (SOO)

BASIC IDIQ

Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR)

30 October 2024

1.0 Scope

1.1 Background. The Aerospace Vehicles Division (AFRL/RQV) plans, directs, manages, and performs basic research, exploratory development, and advanced development in aerospace vehicle design, mechanics, dynamics, sustainment, and integration of technologies improving performance and flight of fixed-wing aerospace vehicles. This statement of objectives (SOO) describes the basic requirements that shall apply to the individual Task Orders that are placed under the Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR) IDIQ. The applicability of these requirements and any other specific requirements shall be as set forth in each individual Task Order.

1.2 Objective. The objective of MASTR is to conduct basic, applied, advanced, and demonstration/validation research to develop and demonstrate, integrate and transition new aerospace vehicle technologies to the warfighter. These technologies include advanced research and development in structures, aerodynamics, and multidisciplinary science and technologies. The goal of these technology advancements is to improve cost effectiveness, increase vehicle survivability, increase mission performance, and introduce new capabilities. Task Orders shall be used to conduct basic, applied, advanced, and demonstration/validation research and technology development in the following AFRL/RQV technical competencies/research areas:

- Multidisciplinary Science & Technology: Relates to any and all aspects of conceptual and preliminary multidisciplinary design, analysis, and optimization (MDAO) of flight vehicles and their related technologies. Research topics and technologies of interest include, but are not limited to, novel design and analysis computing architectures, optimization algorithms, multiscale/multifidelity/multidisciplinary analysis methods and computational frameworks, MDAO in transient environments, uncertainty quantification, sensitivity analysis, surrogate modeling, system/subsystem/component development, effectiveness based design, as well as the application of these methods to design studies and systems such as advanced airframe concepts that embed non-structural components within load bearing structure, innovative control effectors for tailless aircraft, metamaterials and structural computing technologies, reconfigurable or morphing load-bearing structures, compliant mechanisms, fly-by-feel technologies, development and application of methods to analyze and exploit coupling between disciplines, application of advanced active and passive materials to unique structural configurations, and other multi-disciplinary technologies. In addition to MDAO methods and numerical applications, work in this area includes all aspects of fabrication and ground or wind tunnel testing of components, sub-systems, and systems for exploration, experimentation, maturation, and demonstration of technologies selected and/or for validation of multi-disciplinary design and analysis methods, including development of novel techniques or

technologies for fabrication (additive manufacturing, for example) or testing (combined environment or loading, or dry wind tunnel, for example).

- Classified Design and Experimental Studies: Research and development quantifying the effectiveness of specific technologies including but not limited to those identified above may require performance of work at the classified level. All proposal material addressing this portion of the objectives should be at the unclassified level. All appropriate safeguards and protections shall be observed in the generation and transmission of classified data, software, and hardware. Technical details related to classified work will be transmitted separately directly to an agreed upon USAF POC. Financial details will be transmitted and included in standard reporting procedures. The basic DD form 254 will be utilized for this effort.
- Structures Technology: This includes all phases and aspects of aerospace structures technology development. Research topics in this area include:
 - Structural Response Prediction: Identify fluid-thermal-structural coupling requirements necessary for performance predictions in extreme environments.
 - Structural Integrity: Develop techniques to extend the remaining useful life of metallic, composite, and hybrid aircraft structures.
 - Geometry Modeling and Design: Develop efficient modeling methods to enable design that captures all the relevant physics driving the design, as well as design space exploration methods to produce optimal and robust design solutions.
 - Adaptive Structures: Develop revolutionary aerospace structures capable of adapting to environmental and mission changes.
 - Multifunctional Structures: Develop technologies that increase mission effectiveness by utilizing the structure as an integral host for a variety of functions that improve or enable new system capabilities.
 - Hybrid Structures: Develop design concepts, methods, and tools that will allow the optimal use of traditional metallic materials, non-traditional metallic materials, ceramics, and polymer composite materials.
 - Thermal Structures: Develop structural concepts that permit rapid-turn, affordable, all weather space access and hypersonic cruise vehicle operations.
 - Structural Validation: Develop accurate and repeatable structural test and structural response measurement sensor/systems, innovative control and data acquisition techniques/systems, and methods to impose representative aerospace vehicle flight conditions during ground test validation activities, including extreme aerospace test environments.
- Aerodynamic Technologies: Discovery, development, validation, and demonstration of aerodynamic technologies that enable revolutionary capability for future military air vehicles. This technical area seeks to discover and understand aerodynamic and fluid dynamic processes using foundations of theory, experiment, simulation, and analysis. This knowledge is then used to support the design, analysis and demonstration of new aerodynamic technologies and components, and their integration on military air vehicles. Specific technical areas of interest include but are not limited to:
 - Weapons Integration: Developing novel weapons integration concepts on manned and unmanned systems including carriage & launch of conventional kinetic weapons, as well as integration of directed energy weapon concepts. Research topics of interest include aerodynamics, modal/structural analysis, and

aeroelasticity/fluid structural interaction. Analysis needs include computational fluid dynamics, finite element modeling, fluid-structure interaction modeling, experimental design, and test support for aerodynamic & modal testing. Concept evaluation using operational analysis to support technology decisions will also be sought.

- Airframe Propulsion Integration: Addresses aircraft & weapon airbreathing engine integration challenges by: selecting and developing component design through computational and experimental analysis, utilizing methods tailored to specific airframe-propulsion integration requirements, and integrating traditional and non-traditional airframe and propulsion technologies. Specific disciplines involved include, but are not limited to: aerodynamics, thermodynamics, fluid mechanics, structural/thermal/electrical integration, and survivability.
- Advanced Aerodynamic Technologies: Leading the advancement, development, and adoption of innovative aerodynamic mechanisms to affect consequential performance improvements. Research topics include but are not limited to assessment, modeling, exploitation, and maturation (bench test, wind tunnel test, numerical simulation, flight test) of innovative aerodynamic mechanisms (separation control, drag reduction, unsteady aerodynamics), and revolutionary configuration aero concept exploration and discovery.
- Advanced Aerodynamic Design and Analysis: Pioneering the development and fielding of advanced simulation and analysis tools enabling physical discovery and design of revolutionary aerodynamic capabilities by investigating fundamental flow physics, developing design-relevant computational methods, and integrating rapid and responsive application-level computational fluid dynamics methods.
- Aerodynamic Experimentation & Validation: Develop accurate and repeatable aerodynamic experimentation & diagnostic measurement/sensor systems, innovative data acquisition techniques/systems, and innovative methods to scale ground test activities to representative aerospace vehicle flight conditions.
- Systems Engineering: Multidisciplinary design, integration, and management of complex systems over a product lifecycle. This technical area seeks a methodical approach to communicate the requirements and expectations of a system and its underlying subsystems to stakeholders and end users, from conceptualization to verification/validation to realization. Research topics and technologies of interest include, but are not limited to, any and all aspects of the engineering, design, and development of system/subsystem architectures, integration, and interfaces. Of particular interest is the application of Digital Engineering practices, to support a holistic approach towards complex system design, by using models and data to reduce risk in development and delivery of system solutions. Tasks for this effort may address Requirements Analysis, Systems Modeling, Digital Engineering Support, and System Concept/Interface Maturation.

Research and technology development in these technical competencies may require the use of technology demonstration vehicles, ground test facilities, flight test facilities, and/or laboratory experiments to develop, analyze, and assess aerospace vehicle structures technologies for transition to the warfighter.

1.3 General Directions

- 1.3.1** MASTR shall be executed on a Task Order by Task Order basis with each Task Order being a standalone effort with unique and standalone requirements, period of performance, funding, and deliverables.
- 1.3.2** The work covered in this SOO is for the total MASTR program (i.e. MASTR basic program).
- 1.3.3** If there is a conflict between a Task Order SOO and the basic program SOO, the Task Order SOO shall take precedence.
- 1.3.4** Funding is not provided for the MASTR basic program. Rather, all funding is provided through Task Orders.
- 1.3.5** Offeror developed software shall be provided in accordance with the requirements specified within individual Task Orders.
- 1.3.6** Offeror developed hardware shall be provided in accordance with the requirements specified within individual Task Orders.
- 1.3.7** The work performed on MASTR for Task Orders requiring access to classified information shall be cleared to have access to information classified up to SECRET. The Task Order classification level (unclassified, confidential, secret) shall be determined by each Task Order program manager.
- 1.3.8** There is a small potential that future task orders could be up to the TOP SECRET//SCI level. If this happens, a specific DD Form 254 will be issued for the task order, providing additional security-related information and require the contractor to poses or obtain a TOP SECRET FCL.

2.0 Applicable Documents. U.S Air Force 2030 Science and Technology Strategy (April 2019)

3.0 Requirements

- 3.1** The Offeror shall be the Prime Contractor for all MASTR Task Orders assigned to the Offeror.
- 3.2** The Offeror shall furnish the necessary personnel, material, and travel to accomplish and effectively manage the basic, applied, advanced, and demonstration/validation research and development (R&D) work specified within individual Task Orders.
- 3.3** The Offeror shall access a broad range of technical disciplines, planning, foreign and domestic scientific and technical expertise, and facilities to accomplish Task Order objectives.
- 3.4** The Offeror shall perform R&D Task Orders that support the AFRL/RQV technical competencies (see Section 1.2).

4.0 Management, Reporting and Deliverables

4.1 Program Management. The Offeror shall establish and maintain a management review program for MASTR Task Orders. The Offeror shall assign a Program Manager to each Task Order to manage cost, schedule, performance, and technical issues associated with each Task Order.

4.2 Reporting. The Offeror shall provide a written final report that documents the activities and results of each Task Order. Other reporting requirements shall be fulfilled in accordance with the requirements specified within individual Task Orders.

4.3 Deliverables. The Offeror shall provide MASTR deliverables in accordance with the requirements of each Task Order. The following list of deliverables represents the total available for consideration by the Government for application under each Task Order. Additional CDRL items may be added at the mutual agreement of the Offeror and the Government on a Task Order by Task Order basis:

- a. A001 - Scientific and Technical Reports (Final Report)
- b. A002 - Contract Funds Status Report (CFSR)
- c. A003 - Funds and Man-Hour Expenditure Report
- d. A004 – Contractor Spend and Expenditure Plan
- e. A005 – Project Planning Chart
- f. A006 - Status Report
- g. A007 - Scientific and Technical Reports (Interim Report)
- h. A008 - Presentation Material
- i. A009 - Test Plan
- j. A010 - Test Procedure
- k. A011 - Scientific and Technical Reports (Flight Test Data)
- l. A012 - Software Design Description (SDD)
- m. A013 - Software Development Plan (SDP)
- n. A014 - Software User Manual (SUM)
- o. A015 - Data Base Design Description (DBDD)
- p. A016 - Data Accession List (DAL)
- q. A017 - System/Subsystem Design Description (SSDD)
- r. A018 - Developmental Design Drawings/Models and Associated Lists
- s. A019 – Computer Software Product (Source Code)
- t. A020 – Material and Processing Digital Data Package (MPDDP)
- u. A021 – Technical Report-Study/Services
- v. A022 – Interface Design Description (IDD)
- w. A023 – Interface Requirements Specification (IRS)
- x. A024 – Computational Aerodynamic Model (CAM)
- y. A025 – System Architecture Model (SAM)
- z. A026 - Interface Control Document (ICD)
- aa. A027 - Flight Flutter Test Report
- bb. A028 - Internal Loads and Static Strength Analysis Report
- cc. A029 - Software Test Description (STD)
- dd. A030 - Software Test Plan (STP)
- ee. A031 - Software Test Report (STR)
- ff. A032 - Management Plan
- gg. A033 - Report, Record of Meeting/Minutes
- hh. A034 - Cost Data Summary Report (CDSR) (DD Form 1921)
- ii. A035 - Computer Operation Manual (COM)
- jj. A036 - Computer Software Product End Items - Data Base
- kk. A037 - Firmware Support Manual (FSM)
- ll. A038 - Software Center Operator Manual (SCOM)
- mm. A039 - Software Input/Output Manual (SIOM)
- nn. A040 - Software Product Specification (SPS)
- oo. A041 - Software Quality Assurance Report

pp.	A042 - Software Requirements Specification (SRS)
qq.	A043 - Software Version Description (SVD)
rr.	A044 - System Safety Hazard Analysis Report (SSHA)
ss.	A045 - System Engineering Management Plan (SEMP)
tt.	A046 - Test Plans/Test Procedures
uu.	A047 - Operations Security (OPSEC) Plan
vv.	A048 - Program Protection Implementation Plan (PPIP)
ww.	A049 - Scientific and Technical Reports: Critical Technologies Identification Assessment
xx.	A050 - Software Resources Data Reporting (SRDR): Development, Maintenance and Enterprise Resource Planning Development Reports, and Data Dictionary
yy.	A051 - Software Resources Data Reporting: Final Developer Report and Data Dictionary
zz.	A052 - Software Resources Data Reporting: Initial Developer Report and Data Dictionary
aaa.	A053 - Engineering Data for Provisioning (EDFP)
bbb.	A054 - Flutter Analysis Report
ccc.	A055 - Briefing Material
ddd.	A056 - Computational Aerodynamics Analysis Results
eee.	A057 - Airworthiness Compliance Report
fff.	A058 - Airworthiness Certification Basis
ggg.	A059 - Commercial Derivative Aircraft (CDA) Airworthiness Certification Data
hhh.	A060 - System/Software Integration Laboratory (SSIL) Development Management Plan
iii.	A061 - Airframe Rigidity Test Report
jjj.	A062 - Durability and Damage Tolerance (DADT) Analysis Report
kkk.	A063 - Durability and Damage Tolerance (DADT) Test Report
lll.	A064 - Software Development Summary Report
mmm.	A065 - Cybersecurity Implementation Plan
nnn.	A066 - Security Classification Guide
ooo.	A067 - Federal Aviation Administration Airworthiness Substantiation Data
ppp.	A068 - Commercial Engineering Design Data and Associated Lists
qqq.	A069 - Scientific and Technical Reports: R&R Annual Update
rrr.	A070 - Scientific and Technical Reports: Security Plan

5.0 Security

5.1 Operations Security. Operations Security (OPSEC) must be an integral part of our daily activities. As we maintain security on our future technologies that are vital to national interest, we must recognize and prepare for the threat poised against our technology. Department of Defense policies mandate a high degree of security throughout the acquisition process. However, heightened security awareness and threat-based countermeasures are particularly essential during the research and development phase when our technology is most vulnerable to espionage, sabotage, or exploitation. It is the obligation of each employee or persons involved on this contract be constantly aware of and strictly adhere to security requirements designed to protect sensitive unclassified and other information and resources produced by acquisition, research and development, and technological security efforts outlined in this SOO. The contractor shall ensure employees receive training and follow appropriate Operations Security (OPSEC) measures during the performance of the contract.

5.2 Access to classified. Research classification under this effort will be determined for each individual Task Order. Requested personnel will be required to hold necessary security clearances to access classified data, up to Secret, based on the requirements of each Task Order. There is a small potential that future task orders could be up to the TOP SECRET//SCI level. If this happens, a specific DD Form 254 will be issued for the task order, providing additional security-related information and require the contractor to poses or obtain a TOP SECRET FCL.

5.2.1 Sub-contracting. If the prime contractor sub-contracts work out; the prime contractor must submit a DD Form 254 for all assigned subcontractors within 30 calendar days of establishment of the contract or agreement to the Industrial Security Manager listed on the DD 254. Once an effort is over the contractor and subcontractors must account for all classified hardware and material given, used, or generated during this effort. The contractor will submit an encrypted non-classified list of all materials and/or hardware in their position to the Government Contracting Officer. In the list of items, the contractor should outline what items they wish to keep and the justification. The Government Contracting Officer and the Industrial Security Manager will determine if the material will be destroyed or returned to the government. However, if there is a follow-on effort a final DD form 254 must be issued to the contractor authorizing the contractor to retain the classified material, access, hardware for a specified time-period.

5.3 Protecting information. The contractor shall not divulge any information regarding files, data, process activities/functions, user IDs, passwords, or other knowledge that may be gained, to anyone who is not authorized to have access to such information. Contractor personnel shall abide by all Government rules, procedures, and standard of conduct. Contractors will require access to Government Automated Information Systems (AIS) and shall have background investigations and security awareness training completed prior to the start of contract performance. When the period of performance is complete and/or contractor personnel leave work on this project, they will have three (3) days to terminate all their network user accounts and to return all access cards and base identification badges.

Contractors shall encrypt all emails containing technical data or other critical information for this program. The use of products such as Encryption Wizard and DoD SAFE are highly encouraged for safeguarding information when transmitting information via email. Contractors shall comply with DoD 5400.7-R/Air Force Manual 33-302, DoD Freedom of Information Act (FOIA) Program, requirements. Unclassified information not approved for public release on non-DoD Information Systems shall be protected IAW DoDI 8582.01, Security of Unclassified DoD Information on non-DoD Information Systems, Enclosure 3, and the Program's Security Classification Guide.

6.0 Base Support/ Network Access. Base Support and Network Access is anticipated to be made available for Task Orders under this IDIQ. If contractor determines use of available base support to be in their best interest, it must be included as such in the proposal. Use of available base support will not be assumed during technical evaluation unless proposed.

6.1 Available Base Facilities. AFRL/RQV laboratory facilities, to include office space at Wright-Patterson Air Force Base, Area B, Buildings 18, 65, 146, and 24C.

6.2 It is the intention of the Aerospace Vehicles Division to make equally available these facilities to all offerors of this solicitation. The availability is subject to concurrence from the responsible facility manager on individual Task Orders.

7.0 ASSOCIATE CONTRACTOR AGREEMENTS (ACA). ACA shall be determined on an individual Task Order basis. Contractor shall enter into ACAs for Task Orders requiring joint participation in the accomplishment of the Government's requirement. The agreements shall include the basis for sharing information, data, technical knowledge, expertise, and/or resources essential to the integration of the Government research program, which shall ensure the greatest degree of cooperation for the development of the program to meet the terms of the contract. Prime contractor to subcontractor relationships do not constitute ACAs. For each individual Task Order, the contracting officer will identify associate contractors with whom agreements are required. All ACAs shall include the following general information:

7.1 Identify the associate contractors and their relationships.

7.2 Identify the program involved and the relevant Government contracts of the associate contractors.

7.3 Describe the associate contractor interfaces by general subject matter.

7.4 Specify the categories of information to be exchanged or support to be provided.

7.5 Include the expiration date (or event) of the ACA.

7.6 Identify potential conflicts between relevant Government contracts and the ACA; include agreements on protection of proprietary data and restrictions on employees.

7.7 A copy of such agreement shall be provided to the Contracting Officer for review before execution of the document by the cooperating contractors.

7.8 Liability for the improper disclosure of any proprietary data contained in or referenced by any agreement shall rest with the parties to the agreement and not the Government.

7.9 All costs associated with the agreements are included in the negotiated cost of this contract. Agreements may be amended as required by the Government during the performance of this contract.

8.0 Holiday Observances. The Government will not be billed for holidays, except when services are required by the Government and are performed on a holiday. The following days are contract holidays: New Year's Day, Birthday of Martin Luther King, Jr. (MLK Day), Washington's Birthday (Presidents' Day), Memorial Day, Juneteenth, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.

Statement of Objectives
Capabilities Study for MASTR
5 November 2024

1.0 Background/Objective/Scope:

- 1.1** The Aerospace Vehicles Division (AFRL/RQV) plans, directs, manages, and performs basic research, exploratory development and advanced development in aerospace vehicle design, mechanics, dynamics, sustainment, and integration of technologies improving performance and flight of fixed-wing aerospace vehicles.
- 1.2** Through the use of Task Orders under the Multidisciplinary, Aerodynamics, and Structures Technologies Research (MASTR) IDIQ, AFRL/RQV will conduct basic, applied, advanced, and demonstration/validation research and technology development in the following technical competencies/research areas (see MASTR Basic IDIQ SOO for further details on each of these technical areas): Multidisciplinary Science & Technology, Classified Design and Experimental Studies, Structures Technology, Aerodynamic Technologies, Systems Engineering. Research and technology development in these technical competencies may require the use of technology demonstration vehicles, ground test facilities, flight test facilities, and/or laboratory experiments to develop, analyze, and assess aerospace vehicle structures technologies for transition to the warfighter.
- 1.3** Under the MASTR IDIQ, requested personnel will be required to hold necessary security clearances to access classified data, up to Secret, based on the requirements of the specific Task Order. There is a small potential that future task orders under the MASTR IDIQ could require an increased security level up to TOP SECRET//SCI. If this happens, a specific DD Form 254 will be issued for that

task order, providing additional security-related information and require the contractor to possess or obtain a TOP SECRET FCL.

2.0 Applicable Documents:

U.S. Air Force 2030 Science and Technology Strategy (April 2019)

Statement of Objectives – Basic IDIQ – MASTR (March 2024)

3.0 Technical Requirements/Tasks:

3.1 Identify Technology Gap and Conceptual Research Project

(1-3) pages expected - Considering the technical areas listed in the MASTR IDIQ objectives, the contractor shall identify at least one (1) technology gap affecting the Aerospace Vehicles community and offer a conceptual research project to address that gap. This conceptual plan will include any personnel, facilities, equipment, or software that the contractor has access to use and makes them uniquely qualified to perform the research described.

3.2 Define Strategy for Increased Security Levels

(1) page expected - The contractor shall give a detailed description of the company's current classification clearance level, and those of key personnel they anticipate working under the MASTR IDIQ. If any are not at least Secret, the contractor shall identify a plan to obtain that clearance. Additionally, the contractor shall define a plan to obtain a Top Secret FCL, including estimated cost and schedule.

4.0 Program Management:

4.1 (1) page or less expected - The contractor shall perform program management of all program tasks necessary to ensure performance of the task order. This should include coordinating meetings, travel, and integration of the work performed.

4.2 (1) page or less expected - The contractor shall support program management telecons. The contractor shall support the following technical interchange meetings (TIMs): Kickoff. All reviews can be virtual, but in-person meetings are acceptable if preferred by the contractor.

5.0 Operations Security:

OPSEC must be an integral part of our daily activities. As we maintain security on our future technologies that are vital to national interest, we must recognize and prepare for the threat poised against our technology. Department of Defense policies mandate a high degree of security throughout the acquisition process. However, heightened security awareness and threat-based countermeasures are particularly essential during the research and development phase when our technology is most vulnerable to espionage, sabotage, or exploitation. It is the obligation of each employee or persons involved on this contract be constantly aware of and strictly adhere to security requirements designed to protect sensitive unclassified and other information and resources produced by acquisition, research and development, and technological security efforts outlined in this SOO. The contractor shall ensure employees receive training and follow appropriate OPSEC measures during the performance of the contract. This effort may include activities that are classified up to the SECRET collateral level.

6.0 Deliverable Items:

6.1 Contract Data Requirements List (CDRL) deliverables for this effort include the following data items:

A001 Scientific and Technical Reports (Final Report)

6.2 Hardware deliverables: None

6.3 Software deliverables: None

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

- 52.204-16 COMMERCIAL AND GOVERNMENT ENTITY CODE REPORTING (AUG 2020)
- 52.204-17 OWNERSHIP OR CONTROL OF OFFEROR (AUG 2020)
- 52.209-13 VIOLATION OF ARMS CONTROL TREATIES OR AGREEMENTS-CERTIFICATION (NOV 2021)
- 52.225-25 PROHIBITION ON CONTRACTING WITH ENTITIES ENGAGING IN CERTAIN ACTIVITIES OR TRANSACTIONS RELATING TO IRAN--REPRESENTATION AND CERTIFICATIONS (JUN 2020)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

- 252.204-7008 COMPLIANCE WITH SAFEGUARDING COVERED DEFENSE INFORMATION CONTROLS (OCT 2016)
- 252.204-7016 COVERED DEFENSE TELECOMMUNICATIONS EQUIPMENT OR SERVICES—REPRESENTATION (DEC 2019)
- 252.204-7017 PROHIBITION ON THE ACQUISITION OF COVERED DEFENSE TELECOMMUNICATIONS EQUIPMENT OR SERVICES—REPRESENTATION (MAY 2021)
- 252.225-7055 REPRESENTATION REGARDING BUSINESS OPERATIONS WITH THE MADURO REGIME (MAY 2022)
- 252.225-7057 PREAWARD DISCLOSURE OF EMPLOYMENT OF INDIVIDUALS WHO WORK IN THE PEOPLE'S REPUBLIC OF CHINA (AUG 2022)
- 252.225-7974 REPRESENTATION REGARDING BUSINESS OPERATIONS WITH THE MADURO REGIME (DEVIATION 2020-O0005) (FEB 2020)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.204-05 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (OCT 2014)

(a) Definition. "Women-owned business concern," as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. (Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (c)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.) The offeror represents that it [] is a women-owned business concern.

52.204-08 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (DEC 2022)

(a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is 541715.

(2) The small business size standard is 1,000.

(3) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce is 500 employees if the acquisition-

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(b)

(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7, System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), the Offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The Offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (d) applies.

☐ (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)

(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.203-18, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements -- Representation. This provision applies to all solicitations.

(iv) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(v) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that-

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(vi) 52.204-26, Covered Telecommunications Equipment or Services-Representation. This provision applies to all solicitations.

(vii) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations--Representation.

(viii) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(ix) 52.209-11, Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.

(x) 52.214-14, Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(xi) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(xii) 52.219-1, Small Business Program Representations (Basic, Alternates I, and II). This provision applies to solicitations when the contract is for supplies to be delivered or services to be performed in the United States or its outlying areas, or when the contracting officer has applied part 19 in accordance with 19.000(b)(1)(ii).

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(C) The provision with its Alternate II applies to solicitations that will result in a multiple-award contract with more than one NAICS code assigned.

(xiii) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract is for supplies to be delivered or services to be performed in the United States or its outlying areas, or when the contracting officer has applied part 19 in accordance with 19.000(b)(1)(ii).

(xiv) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xv) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xvi) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial products or commercial services.

(xvii) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xviii) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA- designated items.

(xix) 52.223-22, Public Disclosure of Greenhouse Gas Emissions and Reduction Goals - Representation. This provision applies to solicitations that include the clause at 52.204-7.

(xx) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xxi) 52.225-4, Buy American-Free Trade Agreements-Israeli Trade Act Certificate. (Basic, Alternates II and III.) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$50,000, the basic provision applies.

(B) If the acquisition value is \$50,000 or more but is less than \$92,319, the provision with its Alternate II applies.

(C) If the acquisition value is \$92,319 or more but is less than \$100,000, the provision with its Alternate III applies.

(xxii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xxiii) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations

(xxiv) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran-Representation and Certification. This provision applies to all solicitations.

(xxv) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions; and

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

[Contracting Officer check as appropriate.]

Applies -----(i) 52.204-17, Ownership or Control of Offeror.

Applies ----- (ii) 52.204-20, Predecessor of Offeror

TBD -----(iii) 52.222-18, Certification Regarding Knowledge of Child Labor for
Listed End Products.

TBD -----(iv) 52.222-48, Exemption from Application of the Service Contract
Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

TBD -----(v) 52.222-52 Exemption from Application of the Service Contract Labor
Standards to Contracts for Certain Services--Certification.

TBD -----(vi) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered
Material Content for EPA-Designated Products (Alternate I only).

TBD -----(vii) 52.227-6, Royalty Information.

TBD ----- (A) Basic.

TBD ----- (B) Alternate I.

TBD -----(viii) 52.227-15, Representation of Limited Rights Data and Restricted
Computer Software.

(d) The Offeror has completed the annual representations and certifications electronically in SAM accessed through <https://www.sam.gov>. After reviewing the SAM information, the Offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

52.204-20 PREDECESSOR OF OFFEROR (AUG 2020)

(a) Definitions. As used in this provision--

Commercial and Government Entity (CAGE) code means--

(1) An identifier assigned to entities located in the United States and its outlying areas by the Defense Logistics Agency (DLA) Contractor and Government Entity (CAGE) Branch to identify a commercial or government entity by unique location, or

(2) An identifier assigned by a member of the North Atlantic Treaty Organization (NATO) or by the NATO Support and Procurement Agency (NSPA) to entities located outside the United States and its

outlying areas that DLA Commercial and Government Entity (CAGE) Branch records and maintains in the CAGE master file. This type of code is known as a NATO CAGE (NCAGE) code.

"Predecessor" means an entity that is replaced by a successor and includes any predecessors of the predecessor.

"Successor" means an entity that has replaced a predecessor by acquiring the assets and carrying out the affairs of the predecessor under a new name (often through acquisition or merger). The term "successor" does not include new offices/divisions of the same company or a company that only changes its name. The extent of the responsibility of the successor for the liabilities of the predecessor may vary, depending on State law and specific circumstances.

(b) The Offeror represents that it [] is or [] is not a successor to a predecessor that held a Federal contract or grant within the last three years.

(c) If the Offeror has indicated "is" in paragraph (b) of this provision, enter the following information for all predecessors that held a Federal contract or grant within the last three years (if more than one predecessor, list in reverse chronological order):

Predecessor CAGE code: _____ (or mark "Unknown").

Predecessor legal name: _____.

(Do not use a "doing business as" name).

52.204-24 REPRESENTATION REGARDING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (NOV 2021)

The Offeror shall not complete the representation at paragraph (d)(1) of this provision if the Offeror has represented that it "does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in the performance of any contract, subcontract, or other contractual instrument" in paragraph (c)(1) in the provision at 52.204-26, Covered Telecommunications Equipment or Services-Representation, or in paragraph (v)(2)(i) of the provision at 52.212-3, Offeror Representations and Certifications-Commercial Products or Commercial Services. The Offeror shall not complete the representation in paragraph (d)(2) of this provision if the Offeror has represented that it "does not use covered telecommunications equipment or services, or any equipment, system, or service that uses covered telecommunications equipment or services" in paragraph (c)(2) of the provision at 52.204-26, or in paragraph (v)(2)(ii) of the provision at 52.212-3.

(a) Definitions. As used in this provision-

Backhaul, covered telecommunications equipment or services, critical technology, interconnection arrangements, reasonable inquiry, roaming, and substantial or essential component have the meanings provided in the clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Nothing in the prohibition shall be construed to-

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract or extending or renewing a contract with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract. Nothing in the prohibition shall be construed to-

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) Procedures. The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for "covered telecommunications equipment or services."

(d) Representations. The Offeror represents that-

(1) It [] will, [] will not provide covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation. The Offeror shall provide the additional disclosure information required at paragraph (e)(1) of this section if the Offeror responds "will" in paragraph (d)(1) of this section; and

(2) After conducting a reasonable inquiry, for purposes of this representation, the Offeror represents that-

It [] does, [] does not use covered telecommunications equipment or services, or use any equipment, system, or service that uses covered telecommunications equipment or services. The Offeror shall provide the additional disclosure information required at paragraph (e)(2) of this section if the Offeror responds "does" in paragraph (d)(2) of this section.

(e) Disclosures. (1) Disclosure for the representation in paragraph (d)(1) of this provision. If the Offeror has responded "will" in the representation in paragraph (d)(1) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment-

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the original equipment manufacturer (OEM) or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(ii) For covered services-

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the Product Service Code (PSC) of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(2) Disclosure for the representation in paragraph (d)(2) of this provision. If the Offeror has responded “does” in the representation in paragraph (d)(2) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment-

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the OEM or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(ii) For covered services-

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the PSC of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

**52.204-26 COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES-REPRESENTATION
(OCT 2020)**

(a) Definitions. As used in this provision, “covered telecommunications equipment or services” and “reasonable inquiry” have the meaning provided in the clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) Procedures. The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for “covered telecommunications equipment or services”.

(c) Representations. (1) The Offeror represents that it ☐ does, ☐ does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in the performance of any contract, subcontract, or other contractual instrument.

(2) After conducting a reasonable inquiry for purposes of this representation, the offeror represents that it ☐ does, ☐ does not use covered telecommunications equipment or services, or any equipment, system, or service that uses covered telecommunications equipment or services.

52.209-02 PROHIBITION ON CONTRACTING WITH INVERTED DOMESTIC CORPORATIONS -- REPRESENTATION (NOV 2015)

(a) Definitions. “Inverted domestic corporation” and “subsidiary” have the meaning given in the clause of this contract entitled Prohibition on Contracting with Inverted Domestic Corporations (52.209-10).

(b) Government agencies are not permitted to use appropriated (or otherwise made available) funds for contracts with either an inverted domestic corporation, or a subsidiary of an inverted domestic corporation, unless the exception at 9.108-2(b) applies or the requirement is waived in accordance with the procedures at 9.108-4.

(c) Representation. The offeror represents that—

(1) It ☐ is, ☐ is not an inverted domestic corporation; and

(2) It ☐ is, ☐ is not a subsidiary of an inverted domestic corporation.

52.209-05 CERTIFICATION REGARDING RESPONSIBILITY MATTERS (AUG 2020)

(a)

(1) The Offeror certifies, to the best of its knowledge and belief, that --

(i) The Offeror and/or any of its Principals --

(A) Are ☐ are not ☐ presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have ☐ have not ☐, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) contract or subcontract; violation of Federal or State antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, violating Federal criminal tax laws, or receiving stolen property (if offeror checks “have”, the offeror shall also see 52.209-7, if included in this solicitation); and

(C) Are ☐ are not ☐ presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision; and

(D) Have ☐ have not ☐ within a three-year period preceding this offer, been notified of any delinquent Federal taxes in an amount that exceeds the threshold at 9.104-5(a)(2) for which the liability remains unsatisfied.

(1) Federal taxes are considered delinquent if both of the following criteria apply:

(i) The tax liability is finally determined. The liability is finally determined if it has been assessed. A liability is not finally determined if there is a pending administrative or judicial challenge. In the case of a judicial challenge to the liability, the liability is not finally determined until all judicial appeal rights have been exhausted.

(ii) The taxpayer is delinquent in making payment. A taxpayer is delinquent if the taxpayer has failed to pay the tax liability when full payment was due and required. A taxpayer is not delinquent in cases where enforced collection action is precluded.

(2) Examples.

(i) The taxpayer has received a statutory notice of deficiency, under I.R.C. §6212, which entitles the taxpayer to seek Tax Court review of a proposed tax deficiency. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek Tax Court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(ii) The IRS has filed a notice of Federal tax lien with respect to an assessed tax liability, and the taxpayer has been issued a notice under I.R.C. §6320 entitling the taxpayer to request a hearing with the IRS Office of Appeals contesting the lien filing, and to further appeal to the Tax Court if the IRS determines to sustain the lien filing. In the course of the hearing, the taxpayer is entitled to contest the underlying tax liability because the taxpayer has had no prior opportunity to contest the liability. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek tax court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(iii) The taxpayer has entered into an installment agreement pursuant to I.R.C. §6159. The taxpayer is making timely payments and is in full compliance with the agreement terms. The taxpayer is not delinquent because the taxpayer is not currently required to make full payment.

(iv) The taxpayer has filed for bankruptcy protection. The taxpayer is not delinquent because enforced collection action is stayed under 11 U.S.C. 362 (the Bankruptcy Code).

(ii) The Offeror has [] has not [], within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principal," for the purposes of this certification, means an officer; director; owner; partner; or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a

certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.209-07 INFORMATION REGARDING RESPONSIBILITY MATTERS (OCT 2018)

(a) Definitions. As used in this provision—

“Administrative proceeding” means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceeding at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

“Federal contracts and grants with total value greater than \$10,000,000” means—

(1) The total value of all current, active contracts and grants, including all priced options;
and

(2) The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

"Principal" means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror ☐ has ☐ does not have current active Federal contracts and grants with total value greater than \$10,000,000.

(c) If the offeror checked “has” in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

(1) Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

(i) In a criminal proceeding, a conviction.

(ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more.

(iii) In an administrative proceeding, a finding of fault and liability that results in—

(A) The payment of a monetary fine or penalty of \$5,000 or more; or

(B) The payment of a reimbursement, restitution, or damages in excess of \$100,000.

(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management, which can be accessed via <https://www.sam.gov> (see 52.204-7).

52.209-11 REPRESENTATION BY CORPORATIONS REGARDING DELINQUENT TAX LIABILITY OR FELONY CONVICTION UNDER ANY FEDERAL LAW (FEB 2016)

(a) As required by sections 744 and 745 of Division E of the Consolidated and Further Continuing Appropriations Act, 2015 (Pub. L 113-235), and similar provisions, if contained in subsequent appropriations acts, the Government will not enter into a contract with any corporation that--

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless an agency has considered suspension or debarment of the corporation and made a determination that suspension or debarment is not necessary to protect the interests of the Government; or

(2) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless an agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The Offeror represents that—

(1) It is ☐ is not ☐ a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability; and

(2) It is ☐ is not ☐ a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (DEVIATION 2023-O0002) (DEC 2022)

(a) Definitions. As used in this provision-

"Economically disadvantaged women-owned small business (EDWOSB) concern" means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States and who are economically disadvantaged in accordance with 13 CFR part 127, and the

concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300. It automatically qualifies as a women-owned small business concern eligible under the WOSB Program.

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C.101(2), with a disability that is service-connected, as defined in 38 U.S.C.101(16).

"Small business concern"-

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (b) of this provision.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

"Small disadvantaged business concern", consistent with 13 CFR 124.1002, means a small business concern under the size standard applicable to the acquisition, that-

(1) Is at least 51 percent unconditionally and directly owned (as defined at 13 CFR 124.105) by-

(i) One or more socially disadvantaged (as defined at 13 CFR 124.103) and economically disadvantaged (as defined at 13 CFR 124.104) individuals who are citizens of the United States, and

(ii) Each individual claiming economic disadvantage has a net worth not exceeding \$850,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(2) The management and daily business operations of which are controlled (as defined at 13 CFR 124.106) by individuals who meet the criteria in paragraphs (1)(i) and (ii) of this definition.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C.101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern" means a small business concern-

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

"Women-owned small business (WOSB) concern eligible under the WOSB Program" (in accordance with 13 CFR part 127) means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300.

(b)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541715.

(2) The small business size standard is 541715.

(3) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce (i.e., nonmanufacturer), is 500 employees if the acquisition-

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(c) Representations.

(1) The offeror represents as part of its offer that-

(i) it ☐ is, ☐ is not a small business concern; or

(ii) It ☐ is, ☐ is not a small business joint venture that complies with the requirements of 13 CFR 121.103(h) and 13 CFR 125.8(a) and (b). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(2) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the

requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it is, is not a veteran-owned small business concern.

(7) [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(6) of this provision.] The offeror represents as part of its offer that

(i) It [] is, [] is not a service-disabled veteran-owned small business concern; or

(ii) It [] is, [] is not a service-disabled veteran-owned joint venture that complies with the requirements of 13 CFR 125.18(b)(1) and (2). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each service-disabled veteran-owned small business concern participating in the joint venture shall provide representation of its service-disabled veteran-owned small business concern status.

(8) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that-

(i) It [] is, [] is not a HUBZone small business concern listed, on the date of this representation, as having been certified by SBA as a HUBZone small business concern in the Dynamic Small Business Search and SAM, and will attempt to maintain an employment rate of HUBZone residents of 35 percent of its employees during performance of a HUBZone contract (see 13 CFR 126.200(e)(1)); and

(ii) It [] is, [] is not a HUBZone joint venture that complies with the requirements of 13 CFR 126.616(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each HUBZone small business concern participating in the HUBZone joint venture shall provide representation of its HUBZone status.

(d) Under 15 U.S.C.645(d), any person who misrepresents a firm's status as a business concern that is small, HUBZone small, small disadvantaged, service-disabled veteran-owned small, economically disadvantaged women-owned small, or women-owned small eligible under the WOSB Program in order to obtain a contract to be awarded under the preference programs established pursuant to section 8, 9, 15, 31, and 36 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall-

- (1) Be punished by imposition of fine, imprisonment, or both;
- (2) Be subject to administrative remedies, including suspension and debarment; and
- (3) Be ineligible for participation in programs conducted under the authority of the Act.

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (OCT 2022)

(a) Definitions. As used in this provision-

"Economically disadvantaged women-owned small business (EDWOSB) concern" means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States and who are economically disadvantaged in accordance with 13 CFR part 127, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300. It automatically qualifies as a women-owned small business concern eligible under the WOSB Program.

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C.101(2), with a disability that is service-connected, as defined in 38 U.S.C.101(16).

"Small business concern"-

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (b) of this provision.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

"Small disadvantaged business concern", consistent with 13 CFR 124.1002, means a small business concern under the size standard applicable to the acquisition, that-

(1) Is at least 51 percent unconditionally and directly owned (as defined at 13 CFR 124.105) by-

(i) One or more socially disadvantaged (as defined at 13 CFR 124.103) and economically disadvantaged (as defined at 13 CFR 124.104) individuals who are citizens of the United States, and

(ii) Each individual claiming economic disadvantage has a net worth not exceeding \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(2) The management and daily business operations of which are controlled (as defined at 13 CFR 124.106) by individuals who meet the criteria in paragraphs (1)(i) and (ii) of this definition.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C.101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern" means a small business concern-

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

"Women-owned small business (WOSB) concern eligible under the WOSB Program" (in accordance with 13 CFR part 127) means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300.

(b)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541715.

(2) The small business size standard is 541715.

(3) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce (i.e., nonmanufacturer), is 500 employees if the acquisition-

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(c) Representations.

(1) The offeror represents as part of its offer that-

(i) It ☐ is, ☐ is not a small business concern; or

(ii) It ☐ is, ☐ is not a small business joint venture that complies with the requirements of 13 CFR 121.103(h) and 13 CFR 125.8(a) and (b). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(2) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it is, is not a veteran-owned small business concern.

(7) [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(6) of this provision.] The offeror represents as part of its offer that

(i) It [] is, [] is not a service-disabled veteran-owned small business concern; or

(ii) It [] is, [] is not a service-disabled veteran-owned joint venture that complies with the requirements of 13 CFR 125.18(b)(1) and (2). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each service-disabled veteran-owned small business concern participating in the joint venture shall provide representation of its service-disabled veteran-owned small business concern status.

(8) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that-

(i) It [] is, [] is not a HUBZone small business concern listed, on the date of this representation, as having been certified by SBA as a HUBZone small business concern in the Dynamic Small Business Search and SAM, and will attempt to maintain an employment rate of HUBZone residents of 35 percent of its employees during performance of a HUBZone contract (see 13 CFR 126.200(e)(1)); and

(ii) It [] is, [] is not a HUBZone joint venture that complies with the requirements of 13 CFR 126.616(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each HUBZone small business concern participating in the HUBZone joint venture shall provide representation of its HUBZone status.

(d) Under 15 U.S.C.645(d), any person who misrepresents a firm's status as a business concern that is small, HUBZone small, small disadvantaged, service-disabled veteran-owned small, economically disadvantaged women-owned small, or women-owned small eligible under the WOSB Program in order to obtain a contract to be awarded under the preference programs established pursuant to section 8, 9, 15, 31, and 36 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall-

- (1) Be punished by imposition of fine, imprisonment, or both;
- (2) Be subject to administrative remedies, including suspension and debarment; and
- (3) Be ineligible for participation in programs conducted under the authority of the Act.

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (DEVIATION 2023-O0002) (DEC 2022) - ALTERNATE I (SEP 2015)

(a) Definitions. As used in this provision-

"Economically disadvantaged women-owned small business (EDWOSB) concern" means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States and who are economically disadvantaged in accordance with 13 CFR part 127, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300. It automatically qualifies as a women-owned small business concern eligible under the WOSB Program.

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C.101(2), with a disability that is service-connected, as defined in 38 U.S.C.101(16).

"Small business concern"-

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (b) of this provision.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

"Small disadvantaged business concern", consistent with 13 CFR 124.1002, means a small business concern under the size standard applicable to the acquisition, that-

(1) Is at least 51 percent unconditionally and directly owned (as defined at 13 CFR 124.105) by-

(i) One or more socially disadvantaged (as defined at 13 CFR 124.103) and economically disadvantaged (as defined at 13 CFR 124.104) individuals who are citizens of the United States, and

(ii) Each individual claiming economic disadvantage has a net worth not exceeding \$850,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(2) The management and daily business operations of which are controlled (as defined at 13 CFR 124.106) by individuals who meet the criteria in paragraphs (1)(i) and (ii) of this definition.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C.101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern" means a small business concern-

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

"Women-owned small business (WOSB) concern eligible under the WOSB Program" (in accordance with 13 CFR part 127) means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300.

(b)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541715.

(2) The small business size standard is 541715.

(3) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce (i.e., nonmanufacturer), is 500 employees if the acquisition-

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(c) Representations.

(1) The offeror represents as part of its offer that-

(i) It [] is, [] is not a small business concern; or

(ii) It [] is, [] is not a small business joint venture that complies with the requirements of 13 CFR 121.103(h) and 13 CFR 125.8(a) and (b). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(2) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it [] is, [] is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it [] is, [] is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The offeror represents as part of its offer that it [] is, [] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The offeror represents as part of its offer that it [] is, [] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it is, is not a veteran-owned small business concern.

(7) [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(6) of this provision.] The offeror represents as part of its offer that

(i) It [] is, [] is not a service-disabled veteran-owned small business concern; or

(ii) It [] is, [] is not a service-disabled veteran-owned joint venture that complies with the requirements of 13 CFR 125.18(b)(1) and (2). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each service-disabled veteran-owned small business concern participating in the joint venture shall provide representation of its service-disabled veteran-owned small business concern status.

(8) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that-

(i) It [] is, [] is not a HUBZone small business concern listed, on the date of this representation, as having been certified by SBA as a HUBZone small business concern in the Dynamic Small Business Search and SAM, and will attempt to maintain an employment rate of HUBZone residents of 35 percent of its employees during performance of a HUBZone contract (see 13 CFR 126.200(e)(1)); and

(ii) It [] is, [] is not a HUBZone joint venture that complies with the requirements of 13 CFR 126.616(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each HUBZone small business concern participating in the HUBZone joint venture shall provide representation of its HUBZone status.

(9) [Complete if offeror represented itself as disadvantaged in paragraph (c)(2) of this provision.] The offeror shall check the category in which its ownership falls:

___ Black American.

___ Hispanic American.

___ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

___ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, Republic of Palau, Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

___ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

___ Individual/concern, other than one of the preceding.

(d) Under 15 U.S.C.645(d), any person who misrepresents a firm's status as a business concern that is small, HUBZone small, small disadvantaged, service-disabled veteran-owned small, economically disadvantaged women-owned small, or women-owned small eligible under the WOSB Program in order to obtain a contract to be awarded under the preference programs established pursuant to section 8, 9, 15, 31, and 36 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall-

(1) Be punished by imposition of fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Act.

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (OCT 2022) - ALTERNATE II (SEP 2021)

(a) Definitions. As used in this provision-

"Economically disadvantaged women-owned small business (EDWOSB) concern" means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States and who are economically disadvantaged in accordance with 13 CFR part 127, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300. It automatically qualifies as a women-owned small business concern eligible under the WOSB Program.

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C.101(2), with a disability that is service-connected, as defined in 38 U.S.C.101(16).

"Small business concern"-

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (b) of this provision.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

"Small disadvantaged business concern", consistent with 13 CFR 124.1002, means a small business concern under the size standard applicable to the acquisition, that-

(1) Is at least 51 percent unconditionally and directly owned (as defined at 13 CFR 124.105) by-

(i) One or more socially disadvantaged (as defined at 13 CFR 124.103) and economically disadvantaged (as defined at 13 CFR 124.104) individuals who are citizens of the United States, and

(ii) Each individual claiming economic disadvantage has a net worth not exceeding \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(2) The management and daily business operations of which are controlled (as defined at 13 CFR 124.106) by individuals who meet the criteria in paragraphs (1)(i) and (ii) of this definition.

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS

“Veteran-owned small business concern” means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C.101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

“Women-owned small business concern” means a small business concern-

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

"Women-owned small business (WOSB) concern eligible under the WOSB Program" (in accordance with 13 CFR part 127) means a small business concern that is at least 51 percent directly and unconditionally owned by, and the management and daily business operations of which are controlled by, one or more women who are citizens of the United States, and the concern is certified by SBA or an approved third-party certifier in accordance with 13 CFR 127.300.

(b)(1) The North American Industry Classification System (NAICS) codes and corresponding size standards for this acquisition are as follows; the categories or portions these NAICS codes are assigned to are specified elsewhere in the solicitation:

NAICS Code	Size standard
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541715

(2) The small business size standard for a concern that submits an offer, other than on a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce (i.e., nonmanufacturer), is 500 employees if the acquisition-

(i) Is set aside for small business and has a value above the simplified acquisition threshold;

(ii) Uses the HUBZone price evaluation preference regardless of dollar value, unless the offeror waives the price evaluation preference; or

(iii) Is an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(c) Representations. (1) The Offeror shall represent its small business size status for each one of the NAICS codes assigned to this acquisition under which it is submitting an offer.

NAICS Code	Small business concern (yes/no)
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541715

(2) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it [] is, [] is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The offeror represents as part of its offer that it ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.

(7) [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(6) of this provision.] The offeror represents as part of its offer that

(i) It ☐ is, ☐ is not a service-disabled veteran-owned small business concern; or

(ii) It ☐ is, ☐ is not a service-disabled veteran-owned joint venture that complies with the requirements of 13 CFR 125.18(b)(1) and (2). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each service-disabled veteran-owned small business concern participating in the joint venture shall provide representation of its service-disabled veteran-owned small business concern status.

(8) [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that-

(i) It ☐ is, ☐ is not a HUBZone small business concern listed, on the date of this representation, as having been certified by SBA as a HUBZone small business concern in the Dynamic Small Business Search and SAM, and will attempt to maintain an employment rate of HUBZone residents of 35 percent of its employees during performance of a HUBZone contract (see 13 CFR 126.200(e)(1)); and

(ii) It ☐ is, ☐ is not a HUBZone joint venture that complies with the requirements of 13 CFR 126.616(a) through (c). [The offeror shall enter the name and unique entity identifier of each party to the joint venture: ____.] Each HUBZone small business concern participating in the HUBZone joint venture shall provide representation of its HUBZone status.

(d) Under 15 U.S.C.645(d), any person who misrepresents a firm's status as a business concern that is small, HUBZone small, small disadvantaged, service-disabled veteran-owned small, economically disadvantaged women-owned small, or women-owned small eligible under the WOSB Program in order to obtain a contract to be awarded under the preference programs established pursuant to section 8, 9, 15, 31, and 36 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall-

(1) Be punished by imposition of fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Act.

52.230-01 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (JUN 2020)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of the lower CAS threshold specified in Federal Acquisition Regulation (FAR) 30.201-4(b) resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows: (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official.)

Date of Disclosure Statement: _____

Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or
Federal Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

☐ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS--ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐ YES ☐ NO

52.230-07 PROPOSAL DISCLOSURE - COST ACCOUNTING PRACTICE CHANGES (APR 2005)

The offeror shall check "yes" below if the contract award will result in a required or unilateral change in cost accounting practice, including unilateral changes requested to be desirable changes.

☐ Yes ☐ No

If the offeror checked "Yes" above, the offeror shall--

(1) Prepare the price proposal in response to the solicitation using the changed practice for the period of performance for which the practice will be used; and

(2) Submit a description of the changed cost accounting practice to the Contracting Officer and the Cognizant Federal Agency Official as pricing support for the proposal.

DEFENSE FAR SUPP SOLICITATION PROVISIONS IN FULL TEXT

52.203-7005 REPRESENTATION RELATING TO COMPENSATION OF FORMER DOD OFFICIALS (SEP 2022)

(a) Definition. "Covered DoD official" is defined in the clause at 52.203-7000, Requirements Relating to Compensation of Former DoD Officials.

(b) By submission of this offer, the Offeror represents, to the best of its knowledge and belief, that all covered DoD officials employed by or otherwise receiving compensation from the Offeror, and who are expected to undertake activities on behalf of the Offeror for any resulting contract, are presently in compliance with all applicable post-employment restrictions, including those contained in 18 U.S.C. 207, 41 U.S.C. 2101-2107, 5 CFR part 2641, section 1045 of the National Defense Authorization Act for Fiscal Year 2018 (Pub. L. 115-91), and Federal Acquisition Regulation 3.104-2.

52.204-7007 ALTERNATE A, ANNUAL REPRESENTATIONS AND CERTIFICATIONS (MAY 2021)

Substitute the following paragraphs (b), (d), and (e) for paragraphs (b) and (d) of the provision at FAR 52.204-8:

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (e) of this provision applies.

(2) If the provision at 52.204-7, System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), the Offeror may choose to use paragraph (e) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The Offeror shall indicate which option applies by checking one of the following boxes:

___ (i) Paragraph (e) applies.

___ (ii) Paragraph (e) does not apply and the Offeror has completed the individual representations and certifications in the solicitation.

(d)(1) The following representations or certifications in the SAM database are applicable to this solicitation as indicated:

(i) 52.204-7016, Covered Defense Telecommunications Equipment or Services-Representation. Applies to all solicitations.

(ii) 252.216-7008, Economic Price Adjustment—Wage Rates or Material Prices Controlled by a Foreign Government. Applies to solicitations for fixed-price supply and service contracts when the contract is to be performed wholly or in part in a foreign country, and a foreign government controls wage rates or material prices and may during contract performance impose a mandatory change in wages or prices of materials.

(iii) 252.225-7042, Authorization to Perform. Applies to all solicitations when performance will be wholly or in part in a foreign country.

(iv) 252.225-7049, Prohibition on Acquisition of Certain Foreign Commercial Satellite Services—Representations. Applies to solicitations for the acquisition of commercial satellite services.

(v) 252.225-7050, Disclosure of Ownership or Control by the Government of a Country that is a State Sponsor of Terrorism. Applies to all solicitations expected to result in contracts of \$150,000 or more.

(vi) 252.229-7012, Tax Exemptions (Italy)—Representation. Applies to solicitations and contracts when contract performance will be in Italy.

(vii) 252.229-7013, Tax Exemptions (Spain)—Representation. Applies to solicitations and contracts when contract performance will be in Spain.

(viii) 252.247-7022, Representation of Extent of Transportation by Sea. Applies to all solicitations except those for direct purchase of ocean transportation services or those with an anticipated value at or below the simplified acquisition threshold.

(2) The following representations or certifications in SAM are applicable to this solicitation as indicated by the Contracting Officer: [Contracting Officer check as appropriate.]

TBD ---- (i) 252.209-7002, Disclosure of Ownership or Control by a Foreign Government.

TBD ---- (ii) 252.225-7000, Buy American---Balance of Payments Program Certificate.

TBD ---- (iii) 252.225-7020, Trade Agreements Certificate.

TBD ---- Use with Alternate I.

TBD ---- (iv) 252.225-7031, Secondary Arab Boycott of Israel.

TBD ---- (v) 252.225-7035, Buy American---Free Trade Agreements—Balance of Payments Program Certificate.

TBD ---- Use with Alternate I.

TBD ---- Use with Alternate II.

TBD ---- Use with Alternate III.

TBD ---- Use with Alternate IV.

TBD ---- Use with Alternate V.

TBD ---- (vi) 252.226-7002, Representation for Demonstration Project for Contractors Employing Persons with Disabilities.

TBD ---- (vii) 252.232-7015, Performance-Based Payments-Representation.

(e) The Offeror has completed the annual representations and certifications electronically via the SAM website at <https://www.acquisition.gov/>. After reviewing the SAM database information, the Offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in FAR 52.204-8(c) and paragraph (d) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer, and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [Offeror to insert changes, identifying change by provision number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR/DFARS Provision #	Title	Date	Change
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Any changes provided by the Offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications located in the SAM database.

252.225-7000 BUY AMERICAN - BALANCE OF PAYMENTS PROGRAM CERTIFICATE - BASIC (NOV 2014)

(a) Definitions. "Commercially available off-the-shelf (COTS) item," "component," "domestic end product," "foreign end product," "qualifying country," "qualifying country end product," and "United States" have the meanings given in the Buy American and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government-

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American statute or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American and Balance of Payments Program - Basic clause of this solicitation, the offeror certifies that-

(i) Each end product, except those listed in paragraphs (c)(2) or (3) of this provision, is a domestic end product; and

(ii) For end products other than COTS items, components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

Line Item Number	Country of Origin
TBD	TBD

(3) The following end products are other foreign end products, including end products manufactured in the United States that do not qualify as domestic end products, i.e., an end product that is not a COTS item and does not meet the component test in paragraph (ii) of the definition of “domestic end product”:

Line Item Number	Country of Origin (If known)
TBD	TBD

**252.225-7010 COMMERCIAL DERIVATIVE MILITARY ARTICLE--SPECIALTY METALS
COMPLIANCE CERTIFICATE (JUL 2009)**

(a) Definitions. “Commercial derivative military article,” “commercially available off-the-shelf item,” “produce,” “required form,” and “specialty metal,” as used in this provision, have the meanings given in the clause of this solicitation entitled “Restriction on Acquisition of Certain Articles Containing Specialty Metals” (DFARS 252.225-7009).

(b) The offeror shall list in this paragraph any commercial derivative military articles it intends to deliver under any contract resulting from this solicitation using the alternative compliance for commercial derivative military articles, as specified in paragraph (d) of the clause of this solicitation entitled “Restriction on Acquisition of Certain Articles Containing Specialty Metals” (DFARS 252.225-7009). The offeror’s designation of an item as a “commercial derivative military article” will be subject to Government review and approval.

_____.

(c) If the offeror has listed any commercial derivative military articles in paragraph (b) of this provision, the offeror certifies that, if awarded a contract as a result of this solicitation, and if the Government approves the designation of the listed item(s) as commercial derivative military articles, the offeror and its subcontractor(s) will demonstrate that individually or collectively they have entered into a contractual agreement or agreements to purchase an amount of domestically melted or produced specialty metal in the required form, for use during the period of contract performance in the production of each commercial derivative military article and the related commercial article, that is not less than the Contractor’s good faith estimate of the greater of—

(1) An amount equivalent to 120 percent of the amount of specialty metal that is required to carry out the production of the commercial derivative military article (including the work performed under each subcontract); or

(2) An amount equivalent to 50 percent of the amount of specialty metal that will be purchased by the Contractor and its subcontractors for use during such period in the production of the commercial derivative military article and the related commercial article.

(d) For the purposes of this provision, the amount of specialty metal that is required to carry out the production of the commercial derivative military article includes specialty metal contained in any item, including commercially available off-the-shelf items, incorporated into such commercial derivative military articles.

252.225-7018 PHOTOVOLTAIC DEVICES - CERTIFICATE (DEC 2022)

(a) Definitions. “Bahrainian photovoltaic device,” “Caribbean Basin photovoltaic device,” “designated country,” “designated country photovoltaic device,” “domestic photovoltaic device,” “foreign photovoltaic device,” “Free Trade Agreement country,” “Free Trade Agreement photovoltaic device,” “Korean photovoltaic device,” “least developed country photovoltaic device,” “Moroccan photovoltaic device,” “Panamanian photovoltaic device,” “Peruvian photovoltaic device,” “photovoltaic device,” “qualifying country,” “qualifying country photovoltaic device,” “United States,” “U.S.-made photovoltaic

device,” and “WTO GPA country photovoltaic device” have the meanings given in the Photovoltaic Devices clause of this solicitation.

(b) Restrictions. The following restrictions apply, depending on the estimated aggregate value of photovoltaic devices to be utilized under a resultant contract:

(1) If more than the micro-purchase threshold but less than \$183,000, then the Government will not accept an offer specifying the use of other foreign photovoltaic devices in paragraph (d)(2)(ii), (d)(3)(ii), (d)(4)(ii), or (d)(5)(ii) of this provision, unless the offeror documents to the satisfaction of the Contracting Officer that the price of the foreign photovoltaic device plus 50 percent is less than the price of a comparable domestic photovoltaic device.

(2) If \$183,000 or more, then the Government will consider only offers that utilize photovoltaic devices that are U.S.-made, qualifying country, or designated country photovoltaic devices.

(c) Country in which a designated country photovoltaic device was wholly manufactured or was substantially transformed. If the estimated value of the photovoltaic devices to be utilized under a resultant contract exceeds \$92,319, the Offeror's certification that such photovoltaic device (e.g., solar panel) is a designated country photovoltaic device shall be consistent with country of origin determinations by the U.S. Customs and Border Protection with regard to importation of the same or similar photovoltaic devices into the United States. If the Offeror is uncertain as to what the country of origin would be determined to be by the U.S. Customs and Border Protection, the Offeror shall request a determination from U.S. Customs and Border Protection. (See <http://www.cbp.gov/trade/rulings>.)

(d) Certification and identification of country of origin.

[The offeror shall check the block and fill in the blank for one of the following paragraphs, based on the estimated value and the country of origin of photovoltaic devices to be utilized in performance of the contract:]

___ (1) No photovoltaic devices will be utilized in performance of the contract, or such photovoltaic devices have an estimated value that does not exceed the micro-purchase threshold.

(2) If more than the micro-purchase threshold but less than \$92,319—

___ (i) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a domestic photovoltaic device;

___ (ii) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a qualifying country photovoltaic device [Offeror to specify country of origin_____]; or

___ (iii) The foreign (other than qualifying country) photovoltaic devices to be utilized in performance of the contract are the product of _____. [Offeror to specify country of origin, if known, and provide documentation that the cost of a domestic photovoltaic device would be unreasonable in comparison to the cost of the proposed foreign photovoltaic device, i.e. that the price of the foreign photovoltaic device plus 50 percent is less than the price of comparable domestic photovoltaic device.]

(3) If less than \$92,319—

___ (i) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a domestic photovoltaic device;

____ (ii) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a qualifying country photovoltaic device [Offeror to specify country of origin _____]; or

____ (iii) The foreign photovoltaic devices to be utilized in performance of the contract are the product of _____. [Offeror to specify country of origin, if known, and provide documentation that the cost of a domestic photovoltaic device would be unreasonable in comparison to the cost of the proposed foreign photovoltaic device, i.e. that the price of the foreign photovoltaic device plus 50 percent is less than the price of a comparable domestic photovoltaic device.]

(4) If \$92,319 or more but less than \$100,000—

____ (i) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a domestic photovoltaic device;

____ (ii) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a Free Trade Agreement country photovoltaic device (other than a Bahrainian, Korean, Moroccan, Panamanian, or Peruvian photovoltaic device) or a qualifying country photovoltaic device [Offeror to specify country of origin _____]; or

____ (iii) The offered foreign photovoltaic devices (other than those from countries listed in paragraph (d)(4)(ii) of this provision) are the product of _____. [Offeror to specify country of origin, if known, and provide documentation that the cost of a domestic photovoltaic device would be unreasonable in comparison to the cost of the proposed foreign photovoltaic device, i.e. that the price of the foreign photovoltaic device plus 50 percent is less than the price of a comparable domestic photovoltaic device.]

(5) If \$100,000 or more but less than \$183,000—

____ (i) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a domestic photovoltaic device;

____ (ii) The offeror certifies that each photovoltaic device to be utilized in performance of the contract is a Free Trade Agreement country photovoltaic device (other than a Bahrainian, Moroccan, Panamanian, or Peruvian photovoltaic device) or a qualifying country photovoltaic device [Offeror to specify country of origin _____]; or

____ (iii) The offered foreign photovoltaic devices (other than those from countries listed in paragraph (d)(5)(ii) of this provision) are the product of _____. [Offeror to specify country of origin, if known, and provide documentation that the cost of a domestic photovoltaic device would be unreasonable in comparison to the cost of the proposed foreign photovoltaic device, i.e. that the price of the foreign photovoltaic device plus 50 percent is less than the price of a comparable domestic photovoltaic device.]

(6) If \$183,000 or more, the Offeror certifies that each photovoltaic device to be used in performance of the contract is—

____ (i) A U.S.-made photovoltaic device; or

____ (ii) A designated country photovoltaic device or a qualifying country photovoltaic device. [Offeror to specify country of origin _____.]

252.225-7049 PROHIBITION ON ACQUISITION OF COMMERCIAL SATELLITE SERVICES FROM CERTAIN FOREIGN ENTITIES - REPRESENTATIONS (DEC 2018)

(a) Definitions. As used in this provision-

“Covered foreign country,” “foreign entity,” “government of a covered foreign country,” “launch vehicle,” “satellite services,” and “state sponsor of terrorism” are defined in the clause at Defense Federal Acquisition Regulation Supplement (DFARS) 252.225-7051, Prohibition on Acquisition of Certain Commercial Satellite Services.

“Cybersecurity risk” means threats to and vulnerabilities of information or information systems and any related consequences caused by or resulting from unauthorized access, use, disclosure, degradation, disruption, modification, or destruction of such information or information systems, including such related consequences caused by an act of terrorism. (10 U.S.C. 2279)

(b) Prohibition on award. In accordance with 10 U.S.C. 2279, unless an exception is determined to apply in accordance with DFARS 225.772-4, no contract for commercial satellite services may be awarded to-

(1)(i) A foreign entity if the Under Secretary of Defense for Acquisition and Sustainment or the Under Secretary of Defense for Policy reasonably believes that-

(A) The foreign entity is an entity in which the government of a covered foreign country has an ownership interest that enables the government to affect satellite operations;

(B) The foreign entity plans to, or is expected to, provide or use launch or other satellite services under the contract from a covered foreign country; or

(C) Entering into such contract would create an unacceptable cybersecurity risk for DoD; or

(ii) An offeror that is offering to provide the commercial satellite services of a foreign entity as described in paragraph (b)(1) of this section; or

(2)(i) Any entity, except as provided in paragraph (b)(2)(ii) of this provision, for a launch that occurs on or after December 31, 2022, if the Under Secretary of Defense for Acquisition and Sustainment or the Under Secretary of Defense for Policy reasonably believes that such satellite service will be provided using satellites that will be-

(A) Designed or manufactured-

(1) In a covered foreign country; or

(2) By an entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country; or

(B) Launched outside the United States, using a launch vehicle that is-

(1) Designed or manufactured in a covered foreign country; or

(2) Provided by-

(i) The government of a covered foreign country; or

(ii) An entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country.

(ii) The prohibition in paragraph (b)(2)(i)(B) of this provision does not apply with respect to launch vehicles for which the satellite service provider has a contract or other agreement relating to launch services that, prior to June 10, 2018, was either fully paid for by the satellite service

provider or covered by a legally binding commitment of the satellite service provider to pay for such services.

(c) Representations. The Offeror represents that-

(1) It ☐ is, ☐ is not a foreign entity in which the government of a covered foreign country has an ownership interest that enables the government to affect satellite operations. If affirmative, identify the covered foreign country:_____;

(2) It ☐ is, ☐ is not a foreign entity that plans to provide satellite services under the contract from a covered foreign country. If affirmative, identify the covered foreign country:_____;

(3) It ☐ is, ☐ is not offering commercial satellite services provided by a foreign entity in which the government of a covered foreign country has an ownership interest that enables the government to affect satellite operations. If affirmative, identify the foreign entity and the covered foreign country:_____;

(4) It ☐ is, ☐ is not offering commercial satellite services provided by a foreign entity that plans to or is expected to provide satellite services under the contract from a covered foreign country. If affirmative, identify the foreign entity and the covered foreign country:_____;

(5) It ☐ is, ☐ is not offering commercial satellite services that will use satellites, launched on or after December 31, 2022, that will be designed or manufactured in a covered foreign country. If affirmative, identify the covered foreign country:_____;

(6) It ☐ is, ☐ is not offering commercial satellite services that will use satellites, launched on or after December 31, 2022, that will be designed or manufactured by an entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country. If affirmative, identify the entity, the covered foreign country, and the relationship of the entity to the government of the covered foreign country:_____;

(7) It ☐ is, ☐ is not offering commercial satellite services that will use satellites, launched outside the United States on or after December 31, 2022, using a launch vehicle that is designed or manufactured in a covered foreign country. If affirmative, identify the covered foreign country:_____;

(8) It ☐ is, ☐ is not offering commercial satellite services that will use satellites, launched outside the United States on or after December 31, 2022, using a launch vehicle that is provided by the government of a covered foreign country. If affirmative, identify the covered foreign country:_____; and

(9) It ☐ is, ☐ is not offering commercial satellite services that will use satellites, launched outside the United States on or after December 31, 2022, using a launch vehicle that is provided by an entity controlled in whole or in part by, or acting on behalf of, the government of a covered foreign country. If affirmative, identify the entity, the covered foreign country, and the relationship of the entity to the government of the covered foreign country:_____.

(d) Disclosure. If the Offeror has responded affirmatively to any representation in paragraphs (c)(7) through (c)(9) of this provision, and if such launches are covered in whole or in part by a contract or other agreement relating to launch services that, prior to June 10, 2018, was either fully paid for by the satellite service provider or covered by a legally binding commitment of the satellite service provider to pay for such services, provide the following information:

(1) The entity awarded the contract or other agreement:_____.

(2) The date the contract or other agreement was awarded:_____.

(3) The period of performance for the contract or other agreement:_____.

(e) The representations in paragraph (c) of this provision are a material representation of fact upon which reliance will be placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous representation, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

252.225-7050 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A COUNTRY THAT IS A STATE SPONSOR OF TERRORISM (DEC 2022)

(a) Definitions. As used in this provision—

“Government of a country that is a state sponsor of terrorism” includes the state and the government of a country that is a state sponsor of terrorism, as well as any political subdivision, agency, or instrumentality thereof.

“Significant interest” means—

(1) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in “nominee shares,” “street names,” or some other method of holding securities that does not disclose the beneficial owner;

(2) Holding a management position in the firm, such as a director or officer;

(3) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(4) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

(5) Holding 50 percent or more of the indebtedness of a firm.

“State sponsor of terrorism” means a country determined by the Secretary of State, under section 1754(c)(1)(A)(i) of the Export Control Reform Act of 2018 (Title XVII, Subtitle B, of the National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232), to be a country the government of which has repeatedly provided support for acts of international terrorism. As of the date of this provision, state sponsors of terrorism include Iran, North Korea, and Syria.

(b) Prohibition on award. In accordance with 10 U.S.C. 4871, unless a waiver is granted by the Secretary of Defense, no contract may be awarded to a firm if the government of a country that is a state sponsor of terrorism owns or controls a significant interest in—

(1) The firm;

(2) A subsidiary of the firm; or

(3) Any other firm that owns or controls the firm.

(c) Representation. Unless the Offeror submits with its offer the disclosure required in paragraph (d) of this provision, the Offeror represents, by submission of its offer, that the government of a country that is a state sponsor of terrorism does not own or control a significant interest in—

(1) The Offeror;

(2) A subsidiary of the Offeror; or

(3) Any other firm that owns or controls the Offeror.

(d) Disclosure.

(1) The Offeror shall disclose in an attachment to its offer if the government of a country that is a state sponsor of terrorism owns or controls a significant interest in the Offeror; a subsidiary of the Offeror; or any other firm that owns or controls the Offeror.

(2) The disclosure shall include—

(i) Identification of each government holding a significant interest; and

(ii) A description of the significant interest held by each government.

252.227-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JAN 2023)

(a) The terms used in this provision are defined in the following clause or clauses contained in this solicitation:

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data-Other Than Commercial Products and Commercial Services clause, or, if this solicitation contemplates a contract under the Small Business Innovation Research Program, the Rights in Other Than Commercial Technical Data and Computer Software-Small Business Innovation Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Other Than Commercial Computer Software and Other Than Commercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovation Research Program, the Rights in Other Than Commercial Technical Data and Computer Software-Small Business Innovation Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documentation, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovation Research Program, the notification and identification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
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*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

***Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

****Corporation, individual, or other person, as appropriate.

*****Enter "none" when all data or software will be submitted without restrictions.

Date _____

Printed Name and Title _____

Signature _____

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the National Industrial Security Program (NISP) apply to all security aspects of this effort involving classified information.)

OMB No. 0704-0567
OMB approval expires:
June 30, 2025

The public reporting burden for this collection of information, 0704-0567, is estimated to average 70 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

RETURN COMPLETED FORM AS DIRECTED IN THE INSTRUCTIONS.**1. CLEARANCE AND SAFEGUARDING****a. LEVEL OF FACILITY SECURITY CLEARANCE (FCL) REQUIRED**
(See Instructions)

Secret

**b. LEVEL OF SAFEGUARDING FOR CLASSIFIED INFORMATION/
MATERIAL REQUIRED AT CONTRACTOR FACILITY**

Secret

2. THIS SPECIFICATION IS FOR: (X and complete as applicable.)

- ☐ **a. PRIME CONTRACT NUMBER** (See instructions.)
Solicitation, Not Valid for Performance
- ☐ **b. SUBCONTRACT NUMBER**
- ☒ **c. SOLICITATION OR OTHER NUMBER** **DUE DATE** (YYYYMMDD)
FA2391-23-S-2403 20240726

3. THIS SPECIFICATION IS: (X and complete as applicable.)

- ☒ **a. ORIGINAL** (Complete date in all cases.) **DATE** (YYYYMMDD)
20240201
- ☐ **b. REVISED** (Supersedes all previous specifications.)
REVISION NO. **DATE** (YYYYMMDD)
- ☐ **c. FINAL** (Complete Item 5 in all cases.) **DATE** (YYYYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? ☒ No ☐ Yes If yes, complete the following:

Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract.

5. IS THIS A FINAL DD FORM 254? ☒ No ☐ Yes If yes, complete the following:

In response to the contractor's request dated _____, retention of the classified material is authorized for the period of: _____

6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)**a. NAME, ADDRESS, AND ZIP CODE**

TBD

b. CAGE CODE

TBD

c. COGNIZANT SECURITY OFFICE(S) (CSO)

(Name, Address, ZIP Code, Telephone required; Email Address optional)

TBD

7. SUBCONTRACTOR(S) (Click button if you choose to add or list the subcontractors
– but will still require a separate DD Form 254 issued by a prime contractor to each subcontractor)**a. NAME, ADDRESS, AND ZIP CODE**

N/A

b. CAGE CODE

N/A

c. COGNIZANT SECURITY OFFICE(S) (CSO)

(Name, Address, ZIP Code, Telephone required; Email Address optional)

N/A

8. ACTUAL PERFORMANCE (Click button to add more locations.)**a. LOCATION(S)** (For actual performance, see instructions.)

TBD

b. CAGE CODE
(If applicable,
see Instructions.)

N/A

c. COGNIZANT SECURITY OFFICE(S) (CSO)

(Name, Address, ZIP Code, Telephone required; Email Address optional)

TBD

9. GENERAL UNCLASSIFIED DESCRIPTION OF THIS PROCUREMENT

The Aerospace Vehicles Division has been conducting Research and Development (R&D) programs through the Structures Engineering Research Program (SERP). SERP is an ID/IQ contract. The MASTR Program will be the follow-on ID/IQ program to SERP. Through the use of MASTR Program task orders, aerospace vehicles R&D in the areas of Aerodynamics, Multidisciplinary Sciences, and Structures will be conducted to deliver future air and space vehicle capabilities to the Warfighter. R&D activities will include, but is not limited to, conceptual design studies, experimental test planning and execution, model fabrication/modification, analytical and experimental data analyses, systems engineering assessments, technology assessments and evaluations, and computational analyses.

10. CONTRACTOR WILL REQUIRE ACCESS TO: (X all that apply. Provide details in Blocks 13 or 14 as set forth in the instructions.)

- ☐ a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION
- ☐ b. RESTRICTED DATA
- ☐ c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION (CNWDI)
(If CNWDI applies, RESTRICTED DATA must also be marked.)
- ☐ d. FORMERLY RESTRICTED DATA
- ☐ e. NATIONAL INTELLIGENCE INFORMATION:
- ☐ (1) Sensitive Compartmented Information (SCI)
- ☐ (2) Non-SCI
- ☐ f. SPECIAL ACCESS PROGRAM (SAP) INFORMATION
- ☐ g. NORTH ATLANTIC TREATY ORGANIZATION (NATO) INFORMATION
- ☐ h. FOREIGN GOVERNMENT INFORMATION
- ☐ i. ALTERNATIVE COMPENSATORY CONTROL MEASURES (ACCM) INFORMATION
- ☒ j. CONTROLLED UNCLASSIFIED INFORMATION (CUI)
(See instructions.)
- ☐ k. OTHER (Specify) (See instructions.)

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL: (X all that apply. See instructions. Provide details in Blocks 13 or 14 as set forth in the instructions.)

- ☐ a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY
(Applicable only if there is no access or storage required at contractor facility. See instructions.)
- ☐ b. RECEIVE AND STORE CLASSIFIED DOCUMENTS ONLY
- ☐ c. RECEIVE, STORE, AND GENERATE CLASSIFIED INFORMATION OR MATERIAL
- ☐ d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE
- ☐ e. PERFORM SERVICES ONLY
- ☐ f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES
- ☐ g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER
- ☐ h. REQUIRE A COMSEC ACCOUNT
- ☐ i. HAVE A TEMPEST REQUIREMENT
- ☒ j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS
- ☐ k. BE AUTHORIZED TO USE DEFENSE COURIER SERVICE
- ☒ l. RECEIVE, STORE, OR GENERATE CONTROLLED UNCLASSIFIED INFORMATION (CUI).
(DoD Components: refer to DoDI 5200.48, only for specific CUI protection requirements. Non-DoD Components: see instructions.)
- ☒ m. OTHER (Specify) (See instructions.)
- AFFARS 5352.204-9000 applies. See Blk 13.

12. PUBLIC RELEASE

Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the National Industrial Security Program Operating Manual (NISPOM) or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for review and approval prior to release to the appropriate government approval authority identified here with at least office and phone contact information and if available, an e-mail address. (See instructions)

- ☐ DIRECT
- ☒ THROUGH (Specify below)
- AFRL/RQ for non-SAR material. Transmission of public release request via e-mail is not authorized. Allow 23 days for processing.
- Public Release Authority:**
AFRL/RQ
2130 8th Street, WPAFB OH 45433

13. SECURITY GUIDANCE

The security classification guidance for classified information needed for this effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended.

(Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. The field will expand as text is added. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted. Also allows for up to 6 internal reviewers to digitally sign. See instructions for additional guidance or use of the fillable PDF.)

32 Code of Federal Regulations, Part 117, National Industrial Security Program Operating Manual (NISPOM), 24 February 2021, applies.

The Contractor will notify the Government Contracting Activity and the Government Security Manager within 48 hours of any incident involving the actual or suspected compromise/loss of classified information to enable the Government to conduct immediate assessment of potential impact pending formal inquiry/investigation. Actual or suspected compromise of Covered Defense Information will be reported IAW DFARS Clause 252.204-7012.

SECURITY GUIDANCE:

Pre-contract award access to classified is not required.

Ref Blks 10j/11i: The contractor shall comply with DoDI 5200.48, Controlled Unclassified Information; AFMAN 16-1404, volume 1, Operations Support, Information Security Program: Overview, Classification, and Declassification; Air Force Guidance Memorandum

2020-16-01, Air Force Guidance Memorandum for CUI, 23 July 2020; and DoDM 5400.7-Air Force Manual 33 302, DoD Freedom of Information Act (FOIA) Program. The contractor shall monitor CUI aggregation and compilation based on the potential to generate classified information pursuant to security classification guidance addressing the accumulation of unclassified data or information.

Ref Blk 11m: Provide the information requested by the Notification for Government Security Activity and Visitor Group Security Agreements clause, Air Force Federal Acquisition Regulation Supplement (AFFARS) 5352.204-9000, to AFRL/RQOS the Servicing Security Activity (SSA), AFRL/RQOS, 2130 8th St, WPAFB, OH 45433.

* AFRL/RQ Security (RQOS) office must approve further disclosure of information covered under this effort, to include subcontracting.

* Upon the end of this effort, the contractor shall contact the AFRL/RQOS for disposition instructions of classified access or material generated or received during this effort.

* Any classified or covered defense information under this effort cannot be transferred or used for another effort to include IRAD, unless express written approval is received from AFRL/RQ PM or AFRL/RQOS.

* Contractor personnel shall utilize US Government or official company email for transmitting official US Government business/ information. US Government information shall NOT be transmitted via personal, private or commercial email or social media accounts (e.g. Hotmail, Gmail, Yahoo, Tik Tok, Facebook etc.). The use of DOD Safe is authorized for unclassified and Controlled Unclassified Information only.

* Contractor personnel are strictly prohibited from referencing this contract, classification, clearances, accesses (SAP/SAR, SCI), in advertisements, websites, capability fliers, promotional efforts or even in retirement notifications of employees.

Program Manager: Ashtin Hicks, AFRL/RQVS, ashtin.hicks@us.af.mil, (937)656-8812

Administrative Contracting Officer: Shane Spanier, AFRL/RQKPC, (937) 713-9946, shane.spanier.3@us.af.mil

Security Manager: Lucinda Coleman, AFRL/RQOS, (937) 904-8609, lucinda.coleman@us.af.mil; David Hanson, AFRL/RQOS, (937) 938-4921, david.hanson.17@us.af.mil

List of Attachments (All Files Must be attached Prior to Signing, i.e., for any digital signature on the form)

	NAME & TITLE OF REVIEWING OFFICIAL	SIGNATURE
RQOS- Security Coordination	Dennis Reed Chief of Security, AFRL/RQOS	REED.DENNIS Digitally signed by REED.DENNIS.G.1032466385 Date: 2024.02.07 16:06:37 -05'00'

14. ADDITIONAL SECURITY REQUIREMENTS

Requirements, in addition to NISPOM requirements for classified information, are established for this contract.

☐ No ☒ Yes If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the CSO. The field will expand as text is added or you can also use item 13. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted.
(See instructions for additional guidance or use of the fillable PDF.)

Ref Blk 11j: OPSEC requirements apply. See Statement of Work (SOW) for requirements.

15. INSPECTIONS

Elements of this contract are outside the inspection responsibility of the CSO.

☐ No ☒ Yes If Yes, explain and identify specific areas and government activity responsible for inspections. The field will expand as text is added or you can also use item 13. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted.
(See instructions for additional guidance or use of the fillable PDF.)

Ref Blk 11m: Contractor performance will occur at WPAFB. DCSA is relieved of all inspection responsibilities for contractor performance on the installation. AFRL/RQOS will maintain security and inspection oversight for collaterally classified information on the installation.

16. GOVERNMENT CONTRACTING ACTIVITY (GCA) AND POINT OF CONTACT (POC)

a. GCA NAME AFRL/RQKPC	c. ADDRESS (Include ZIP Code) AFRL/RQ 2130 8th Street Wright-Patterson AFB, OH 45433	d. POC NAME Shane Spanier
b. ACTIVITY ADDRESS CODE (AAC) OF THE CONTRACTING OFFICE (See Instructions) FA2391		e. POC TELEPHONE (Include Area Code) +1 (937) 713-9946
		f. EMAIL ADDRESS (See Instructions) shane.spanier.3@us.af.mil
17. CERTIFICATION AND SIGNATURES Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below. Upon digitally signing Item 17h, no changes can be made as the form will be locked.		
a. TYPED NAME OF CERTIFYING OFFICIAL (Last, First, Middle Initial) (See Instructions) Shane Spanier	d. AAC OF THE CONTRACTING OFFICE (See Instructions) FA2391	h. SIGNATURE SPANIER. Digitally signed by SPANIER.SHA SHANE.A NE.ANDREW.1 NDREW.1 248207139 248207139 Date: 2024.02.12 14:48:53 -05'00'
b. TITLE Contracting Officer	e. CAGE CODE OF THE PRIME CONTRACTOR (See Instructions.) N/A	
c. ADDRESS (Include ZIP Code) AFRL/RQ 2130 8th Street Wright-Patterson AFB, Ohio 45433	f. TELEPHONE (Include Area Code) +1 (937) 713-9946	i. DATE SIGNED (See Instructions) 20240212
	g. EMAIL ADDRESS (See Instructions) shane.spanier.3@us.af.mil	
18. REQUIRED DISTRIBUTION BY THE CERTIFYING OFFICIAL		
☒ a. CONTRACTOR ☐ b. SUBCONTRACTOR ☒ c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR ☐ d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION ☒ e. ADMINISTRATIVE CONTRACTING OFFICER ☒ f. OTHER AS NECESSARY (If more room is needed, continue in Item 13 or on additional page if necessary.) AFRL/RQOS, 2130 Eighth St, Wright-Patterson AFB OH 45433-7542, Wright-PattersonAFRL/RQOS_All@us.af.mil Ashtin Hicks, Program Manager, AFRL/RQVS, 2790 D Street, WPAFB OH 45433, ashtin.hicks@us.af.mil Blk 18f: AFRL/RQOS, 2130 8th Street, WPAFB OH 45433, lucinda.coleman@us.af.mil; david.hanson.17@us.af.mil		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER _____
D. SYSTEM/ITEM	E. CONTRACT/PR NO. FA2391-	F. CONTRACTOR

16. REMARKS (Continued)

later than the date specified in the Schedule.

Block 11: End of Technical Effort.

Block 12. 30 days from Block 11. Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments.

The contractor shall deliver a draft of the final report IAW the ANSI-based AFRL Format Guidelines (attached), in editable MS Word format and editable PDF on appropriately labeled CD-ROM or DVD (label to include report title, contract number, CUI markings as required, distribution statement, and any data rights and/or export control notices) via approved postal delivery service, or as an attachment on a secure e-mail or sharing through other secure network systems such as DoD SAFE within 30 calendar days after completion of the technical effort. The AFRL Program Manager will take no more than 30 calendar days after delivery to review the draft final report and return technical and STINFO comments to the contractor. The contractor shall incorporate the combined STINFO and technical comments.

Block 13: End of Contract, 90 days from Block 11. The contractor shall deliver the final version of the report in publication-ready condition within 60 calendar days after the date of the draft submission (date in Block 12). The final report shall be delivered as described in the instruction in Block 12 above.

NOTE: Submittal of DD Form 250Z, Final Receiving Report or WAWF prior to acceptance notification will result in rejection of the Final Receiving Report. Hard date indicating when final tech report is due can be found in Section F in the contract.

The report will be published with the Defense Technical Information center (DTIC) by the AFRL STINFO officer.

Under no circumstances shall the contractor submit any version of the scientific and technical report to DTIC.

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM CONTRACT FUNDS STATUS REPORT (CFSR)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81468A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY QRTLY		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE N/A	B	11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION ***		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored so that the report contains forecasts by month for the next six months, by quarter for the remaining fiscal year, and by year for the remaining fiscal years. CFSR data shall be reconciled to the Governments fiscal year end at 30 September if the contractor's fiscal year end does not coincide with the Government's fiscal year end. Submit electronically. * The last day of the contractor's monthly accounting period nearest the end of the governments fiscal year quarter. ** The initial submission shall be within 25 calendar days after the close of the contractor's monthly accounting period nearest the end of the first government fiscal year quarter after contract award. ***Subsequent submissions shall be 25 calendar days after Block 11 time. BLOCK 9: B: Distribution authorized to US Government agencies only.						AFRL/RQVI	1	1	0
						AFRL/RQF	0	1	0
						AFRL/RQKPC	0	1	0
						DCMA/ACO	0	1	0
						15. TOTAL			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM FUNDS AND MAN-HOUR EXPENDITURE REPORT				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-80331A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED B	10. FREQUENCY MTHLY		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE N/A		11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE	b. COPIES		
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format. * At the close of the contractor's monthly accounting period. ** 25 days after Block 11 time. Submit electronically. BLOCK 9: B: Distribution authorized to US Government agencies only.						DCMA/ACO	0	1	0
						AFRL/RQF	0	1	0
						AFRL/RQKPC	0	1	0
						AFRL/RQVI	1	1	0
15. TOTAL						1	4	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM CONTRACTOR SPEND AND EXPENDITURE PLAN				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-82355/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED B	10. FREQUENCY MTHLY		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE N/A		11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE	b. COPIES		
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format. BLOCK 9: B: Distribution authorized to US Government agencies only Submit electronically. *At the end of the contractor's monthly accounting period. **25 days after block 11.						AFRL/RQVI	1	1	0
						AFRL/RQF	0	1	0
						AFRL/RQKPC	0	1	0
						DCMA/ACO	0	1	0
15. TOTAL						1	4	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

DD FORM 1423-1, FEB 2001 PREVIOUS EDITION MAY BE USED. Page 5 of 70 Pages 173

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR			
1. DATA ITEM NO. A006		2. TITLE OF DATA ITEM STATUS REPORT				3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80368A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY QRTLY		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE N/A	C	11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format and to delete para 3.2.3. Submit electronically, except when final report is due to be submitted, then omit this item. * At the close of the contractor's monthly accounting period. ** 25 days after Block 11 time. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						DCMA/ACO	0	1	0
						AFRL/RQKPC	0	1	0
						AFRL/RQVI	0	1	0
15. TOTAL						0	3	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188		
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.								
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____				
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR			
1. DATA ITEM NO. A009		2. TITLE OF DATA ITEM TEST PLAN			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80566A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION		
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION **	a. ADDRESSEE	b. COPIES			
					Draft	Final		
					Reg	Repro		
16. REMARKS Tailored to allow contractor's format. ASREQ means as required to document plans for testing through out this effort. * 45 days prior to testing. Approval/disapproval by letter from the Air Force Program Manager within 15 days after receipt. ** Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. NOTE: Testing shall not begin until after contractor receipt of Air Force notice to proceed with testing. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.					AFRL/RQVI	1	1	0
15. TOTAL					1	1	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE	

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188												
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.																		
A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____													
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR												
1. DATA ITEM NO. A011		2. TITLE OF DATA ITEM SCIENTIFIC AND TECHNICAL REPORTS				3. SUBTITLE Flight Test Data												
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80711A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI												
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED E		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION										
8. APP CODE N/A				11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION **		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width: 50%;">a. ADDRESSEE</td> <td colspan="3" style="text-align: center;">b. COPIES</td> </tr> <tr> <td rowspan="2" style="width: 10%;">Draft</td> <td colspan="2" style="text-align: center;">Final</td> </tr> <tr> <td style="width: 10%;">Reg</td> <td style="width: 10%;">Repro</td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	Final		Reg	Repro
a. ADDRESSEE	b. COPIES																	
	Draft	Final																
		Reg	Repro															
16. REMARKS Tailored to allow contractor's format, and Block 10, is clarified so that, "Pursuant to DFARS 252.235-7011, the Government will forward the approved interim report to the Defense Technical Information Center (DTIC)." ASREQ means as required to document FLight Test Data after each Flight Test through out the applicable task Order. * The conclusion of testing. ** Witin 30 days after Block 11. Submit electronically. Electronic submittals shall be encrypted or password protected. BLOCK 9: E: Distribution authorized to DoD components only.						AFRL/RQVI		0	1	0								
						15. TOTAL						0	1	0				
						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A012	2. TITLE OF DATA ITEM SOFTWARE DESIGN DESCRIPTION (SDD)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81435A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE A	C	11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION ***		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format. ASREQ means as required to document SDD through out the applicable Task Order. * At the end of the technical effort for the applicable Task Order. ** 30 days after Block 11. Approval/disapproval by letter from the Air Force Program Manager within 15 days after receipt. *** Disapproval requires correction/resubmission within 15 days after receipt of Air Force comments. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						AFRL/RQVI	1	1	0
						15. TOTAL			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188								
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____										
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR									
1. DATA ITEM NO. A013	2. TITLE OF DATA ITEM SOFTWARE DEVELOPMENT PLAN (SDP)				3. SUBTITLE									
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81427A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI									
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION								
8. APP CODE A		11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION ***		a. ADDRESSEE	b. COPIES							
							Draft	Final Reg Repro						
16. REMARKS Tailored to allow contractor's format. ASREQ means as required to document SDP through out the applicable Task Order. * At the end of the technical effort for the applicable Task Order. ** 30 days after Block 11. Approval/disapproval by letter from the Air Force Program Manager within 15 days after receipt. *** Disapproval requires correction/resubmission within 15 days after receipt of Air Force comments. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						AFRL/RQVI	1	1	0					
						15. TOTAL →						1	1	0
						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE	

17. PRICE GROUP
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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A014	2. TITLE OF DATA ITEM SOFTWARE USER MANUAL (SUM)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81443A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION **		14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION ***		a. ADDRESSEE	b. COPIES		
							Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. ASREQ means as required to document SUM for the applicable Task Orders. * At the end of the technical effort for the applicable Task Order. ** 30 days after Block 11. Approval/disapproval by letter from the Air Force Program Manager within 15 days after receipt. *** Disapproval requires correction/resubmission within 15 days after receipt of Air Force comments. Submit reproducible on media compatible with MS-Office for Windows. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						AFRL/RQVI	1	1	1
						15. TOTAL →			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188											
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.																	
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____													
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR												
1. DATA ITEM NO. A018	2. TITLE OF DATA ITEM DEVELOPMENTAL DESIGN DRAWINGS/MODELS AND ASSOCIATED LISTS				3. SUBTITLE												
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81002E/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI												
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION											
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE		b. COPIES									
16. REMARKS Tailored to allow contractor's format as defined in the attached TDP Option Selection WorksheetDD Form 2554-1. ASREQ means as required to document developmental design drawings/models and associated list through out the applicable Task Order. * Submit at the first design review. Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt. **Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. R/ASR means revisions as required to maintain up to date and accurate drawings and lists. Revisions are subject to the approval cycle as stated. Reproducible shall be the original digital file on CD-ROM compatible with MS-Office. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						AFRL/RQVI		Draft		Final							
								Reg		Repro							
						15. TOTAL						1		1		1	
						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A019	2. TITLE OF DATA ITEM COMPUTER SOFTWARE PRODUCT					3. SUBTITLE Source Code				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81488/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASGEN		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION *		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. * Submit with software for this technical effort. Delivery of Software shall be inclusive of software source code and executable. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors.						AFRL/RQVI		0	1	0
15. TOTAL						0		1	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A021	2. TITLE OF DATA ITEM TECHNICAL REPORT-STUDY / SERVICES					3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508B/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASGEN		12. DATE OF FIRST SUBMISSION ASGEN		14. DISTRIBUTION				
8. APP CODE N/A	C	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION ASGEN		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow for: The technical report will discuss all electronic simulations including: finite element analysis, computer aided design (CAD) models, linearelastic fracture mechanics (LEFM) analyses, and computer aided machining (CAM) analyses. Details will include (where applicable) all: analysis inputs, boundary conditions, loading conditions, material properties and assignments, coordinate systems, and source code for any methods (material models, macros, or plug-ins) developed or refined for the contracted effort. The report contents, as specified in Section 3c-d, will be modified per the following: Section II - Data objects generated during this task order cannot be captured in sufficient detail with verbiage or images alone, therefore, analysis files (input/model/results) should be included as an addendum to this report with the following provisions: the files are uniquely labeled; software versions/analysis inputs/macros are discussed in Section I of the report with sufficient detail such that the analysis could be re-created; and Section I of the report references other contract documentation identifying how the results were used. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their... (continued on next page)						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER _____
D. SYSTEM/ITEM	E. CONTRACT/PR NO. FA2391-	F. CONTRACTOR

16. REMARKS *(Continued)*

contractors. Submit electronically. Electronic submittals shall be encrypted or password protected.

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A022	2. TITLE OF DATA ITEM INTERFACE DESIGN DESCRIPTION (IDD)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81436A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION			
8. APP CODE A	C	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format. Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. Submit reproducible on CD-ROM compatible with MS-Office for Windows. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the IDD under this effort. R/ASR means revisions as required to keep the IDD up to date, make changes or corrections; submit revisions as generated. Revisions are subject to the above stated approval/disapproval cycle.						AFRL/RQVI	1	1	0
						15. TOTAL			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A023	2. TITLE OF DATA ITEM INTERFACE REQUIREMENTS SPECIFICATION (IRS)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81434A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION			
8. APP CODE A	C	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format. Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. Submit reproducible on CD-ROM compatible with MS-Office for Windows. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the IRS under this effort. R/ASR means revisions as required to keep the IRS up to date, make changes or corrections; submit revisions as generated. Revisions are subject to the above stated approval/disapproval cycle.						AFRL/RQVI	1	1	0
						15. TOTAL			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A027		2. TITLE OF DATA ITEM FLIGHT FLUTTER TEST REPORT				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81388/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Flight Flutter Test Report under this effort. R/ASR means revisions as required to keep the Flight Flutter Test Report up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____							
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR					
1. DATA ITEM NO. A029		2. TITLE OF DATA ITEM SOFTWARE TEST DESCRIPTION (STD)				3. SUBTITLE					
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81439A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI					
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION					
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION *		a. ADDRESSEE		b. COPIES			
								Draft	Final		
							Reg	Repro			
16. REMARKS Tailored to allow contractor's format. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the STD under this effort. Approval/disapproval by letter from the Air Force Program Manager within 60 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. Submit electronically.						AFRL/RQVI	1	1	0		
15. TOTAL						1	1	0			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR				
1. DATA ITEM NO. A030	2. TITLE OF DATA ITEM SOFTWARE TEST PLAN (STP)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81438A/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE	b. COPIES		
							Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. ASREQ means as required to document the STP under this effort. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. * At the end of ** 30 days after Block 11 time. Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. Submit electronically.						AFRL/RQVI	1	1	0
						15. TOTAL →			
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
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CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A031		2. TITLE OF DATA ITEM SOFTWARE TEST REPORT (STR)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81440A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION **		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the results of all tests. * At the conclusion of each phase of tests or test series. ** 20 days after Block 11 time. Submit electronically.						AFRL/RQVI		0	1	0
						15. TOTAL →				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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17. PRICE GROUP	
18. ESTIMATED TOTAL PRICE	

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A034		2. TITLE OF DATA ITEM COST DATA SUMMARY REPORT (CDSR) (DD FORM 1921)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-81565C/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION				
8. APP CODE N/A	B	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft		Final Reg Repro
16. REMARKS Tailored so that reporting levels shall be in accordance with the Air Force approved CCDR Plan, attached to Data Item # _____; and so that critical/major subcontractor summary level data shall be reported as an attachment. Tailored to allow contractor's format. BLOCK 9: B: Distribution authorized to US Government agencies only. ASREQ means as required to document cost data at the end of each significant event such as, PDR, CDR, TRR, and etc., or at the end of the technical effort if there are no scheduled events such as described. * Submit electronically as generated. R/ASR means revisions as required to keep the CDSR up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

DD FORM 1423-1, FEB 2001 PREVIOUS EDITION MAY BE USED. Page 35 of 70 Pages 173

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A036	2. TITLE OF DATA ITEM COMPUTER SOFTWARE PRODUCT END ITEMS					3. SUBTITLE DATA BASE				
4. AUTHORITY (Data Acquisition Document No.) DI-AVCS-80700A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Data Base under this effort. R/ASR means revisions as required to keep the Data Base up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A037		2. TITLE OF DATA ITEM FIRMWARE SUPPORT MANUAL (FSM)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81448A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the FSM under this effort. R/ASR means revisions as required to keep the FSM up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
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CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> <i>OMB No. 0704-0188</i>							
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A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____								
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR							
1. DATA ITEM NO. A042		2. TITLE OF DATA ITEM SOFTWARE REQUIREMENTS SPECIFICATION (SRS)				3. SUBTITLE							
4. AUTHORITY <i>(Data Acquisition Document No.)</i> DI-IPSC-81433A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI							
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED C		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION					
8. APP CODE N/A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE					
16. REMARKS Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the SRS under this effort. R/ASR means revisions as required to keep the SRS up to date, make changes or corrections; submit revisions as generated.						Draft		b. COPIES					
								Final					
								Reg		Repro			
						AFRL/RQVI		0		1		0	
						15. TOTAL →						0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE					

17. PRICE GROUP
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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188							
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A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____								
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR							
1. DATA ITEM NO. A043		2. TITLE OF DATA ITEM SOFTWARE VERSION DESCRIPTION (SVD)				3. SUBTITLE							
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81442A/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI							
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED C		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION					
8. APP CODE A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION *		a. ADDRESSEE					
16. REMARKS Tailored to allow contractor's format. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the SVD under this effort. *Approval/disapproval by letter from the Air Force Program Manager within 60 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments. Submit electronically.						Draft		b. COPIES Final					
								Reg		Repro			
						AFRL/RQVI		1		1		0	
						15. TOTAL						1	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE					

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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____					
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR			
1. DATA ITEM NO. A044		2. TITLE OF DATA ITEM SYSTEM SAFETY HAZARD ANALYSIS REPORT (SSHA)				3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-SAFT-80101B/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION			
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES	
						Draft	Final		
							Reg	Repro	
16. REMARKS Tailored to allow contractor's format and to require only the [PHA, the SHA, the SSHA or the O&SHA] report. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the SSHA under this effort. R/ASR means revisions as required to keep the SSHA up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI	0	1	0
15. TOTAL						0	1	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE	

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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A045		2. TITLE OF DATA ITEM SYSTEM ENGINEERING MANAGEMENT PLAN (SEMP)				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81024/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the SEMP under this effort. R/ASR means revisions as required to keep the SEMP up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL →				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A046		2. TITLE OF DATA ITEM TEST PLANS / TEST PROCEDURES				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81704			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Test Plans/ Procedures under this effort. R/ASR means revisions as required to keep the Test Plans/Procedures up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____				
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR			
1. DATA ITEM NO. A047	2. TITLE OF DATA ITEM OPERATIONS SECURITY (OPSEC) PLAN				3. SUBTITLE			
4. AUTHORITY <i>(Data Acquisition Document No.)</i> DI-MGMT-80934/T			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY 1TIME	12. DATE OF FIRST SUBMISSION *	14. DISTRIBUTION				
8. APP CODE N/A		11. AS OF DATE CONTRACT AWARD	13. DATE OF SUBSEQUENT SUBMISSION R/ASR	a. ADDRESSEE	Draft	b. COPIES		
							Final	
						Reg	Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. *Contract Award R/ASR means revisions as required to keep the OPSEC Plan up to date, make changes or corrections; submit revisions as generated.					AFRL/RQVI	0	1	0
15. TOTAL →					0	1	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024	I. APPROVED BY		J. DATE		

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A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____											
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR										
1. DATA ITEM NO. A053		2. TITLE OF DATA ITEM ENGINEERING DATA for PROVISIONING (EDFP)				3. SUBTITLE										
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81874			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI										
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED C		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION								
8. APP CODE N/A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 50%;">a. ADDRESSEE</td> <td colspan="3" style="text-align: center;">b. COPIES</td> </tr> <tr> <td style="width: 10%;">Draft</td> <td style="width: 10%;">Final Reg</td> <td style="width: 10%;">Final Repro</td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	Final Reg	Final Repro
a. ADDRESSEE	b. COPIES															
	Draft	Final Reg	Final Repro													
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the EDFP under this effort. R/ASR means revisions as required to keep the EDFP up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0						
						15. TOTAL						0	1	0		
						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

17. PRICE GROUP
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DD FORM 1423-1, FEB 2001 PREVIOUS EDITION MAY BE USED. Page 55 of 70 Pages 173

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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____							
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR					
1. DATA ITEM NO. A058		2. TITLE OF DATA ITEM AIRWORTHINESS CERTIFICATION BASIS				3. SUBTITLE					
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81766			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI					
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION					
8. APP CODE N/A	C	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES			
								Draft		Final	
								Reg		Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Airworthiness Certification Basis under this effort. R/ASR means revisions as required to keep the Airworthiness Certification Basis up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0	
						15. TOTAL					
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE			

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DD FORM 1423-1, FEB 2001 PREVIOUS EDITION MAY BE USED. Page 60 of 70 Pages 132 of 173

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR				
1. DATA ITEM NO. A061		2. TITLE OF DATA ITEM AIRFRAME RIGIDITY TEST REPORT				3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81387			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION				
8. APP CODE N/A	C	11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE		b. COPIES		
								Draft	Final Reg Repro	
16. REMARKS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Airframe Rigidity Test Report under this effort. R/ASR means revisions as required to keep the Airframe Rigidity Test Report up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0
						15. TOTAL				
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY			J. DATE		

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A. CONTRACT LINE ITEM NO. 0001			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____											
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-			F. CONTRACTOR										
1. DATA ITEM NO. A062		2. TITLE OF DATA ITEM DURABILITY and DAMAGE TOLERANCE (DADT) ANALYSIS R*				3. SUBTITLE										
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81983			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/RQVI										
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED C		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION								
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a. ADDRESSEE	b. COPIES															
	Draft	Final Reg	Final Repro													
16. REMARKS *EPORT Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the DADT under this effort. R/ASR means revisions as required to keep the DADT up to date, make changes or corrections; submit revisions as generated.						AFRL/RQVI		0	1	0						
						15. TOTAL →						0	1	0		
						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE			

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DD FORM 1423-1, FEB 2001 PREVIOUS EDITION MAY BE USED. Page 65 of 70 Pages 173 of 173

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CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> <i>OMB No. 0704-0188</i>		
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A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____				
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR			
1. DATA ITEM NO. A067	2. TITLE OF DATA ITEM FEDERAL AVIATION ADMINISTRATION AIRWORTHINESS SUB*				3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) DI-SAFT-80901			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION R/ASR	a. ADDRESSEE	b. COPIES			
					Draft	Final		
					Reg	Repro		
16. REMARKS *STANTIATION DATA Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the data under this effort. R/ASR means revisions as required to keep the data up to date, make changes or corrections; submit revisions as generated.					AFRL/RQVI	0	1	0
15. TOTAL →					0	1	0	
G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE	

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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188									
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.															
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____											
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA2391-		F. CONTRACTOR										
1. DATA ITEM NO. A068	2. TITLE OF DATA ITEM COMMERCIAL ENGINEERING DESIGN DATA and ASSOCIATED*				3. SUBTITLE										
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81003			5. CONTRACT REFERENCE CSOW		6. REQUIRING OFFICE AFRL/RQVI										
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION ASREQ		14. DISTRIBUTION									
8. APP CODE N/A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION R/ASR		a. ADDRESSEE									
16. REMARKS * LISTS Tailored to allow contractor's format. Submit electronically. BLOCK 9: C: Distribution authorized to US Government agencies and their contractors. ASREQ means as required to document the Commercial Engineering Design Data and Associated Lists under this effort. R/ASR means revisions as required to keep the Commercial Engineering Design Data and Associated Lists up to date, make changes or corrections; submit revisions as generated.						b. COPIES									
						Draft		Final							
						Reg		Repro							
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						G. PREPARED BY Brandee A. Carroll AFRL/RQVI (937) 255-0000			H. DATE 01-OCT-2024		I. APPROVED BY		J. DATE		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

INSTRUCTIONS FOR COMPLETING DD FORM 1423*(See DoD 5010.12-M for detailed instructions.)***FOR GOVERNMENT PERSONNEL****Item A.** Self-explanatory.**Item B.** Self-explanatory.**Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management," etc.**Item D.** Enter name of system/item being acquired that data will support.**Item E.** Self-explanatory (to be filled in after contract award).**Item F.** Self-explanatory (to be filled in after contract award).**Item G.** Signature of preparer of CDRL.**Item H.** Date CDRL was prepared.**Item I.** Signature of CDRL approval authority.**Item J.** Date CDRL was approved.**Item 1.** See DoD FAR Supplement Subpart 4.71 for proper numbering.**Item 2.** Enter title as it appears on data acquisition document cited in Item 4.**Item 3.** Enter subtitle of data item for further definition of data item (optional entry).**Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.**Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).**Item 6.** Enter technical office responsible for ensuring adequacy of the data item.**Item 7.** Specify requirement for inspection/acceptance of the data item by the Government.**Item 8.** Specify requirement for approval of a draft before preparation of the final data item.**Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).**Item 10.** Specify number of times data items are to be delivered.**Item 11.** Specify as-of date of data item, when applicable.**Item 12.** Specify when first submittal is required.**Item 13.** Specify when subsequent submittals are required, when applicable.**Item 14.** Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.**Item 15.** Enter total number of draft/final copies to be delivered.**Item 16.** Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.**FOR THE CONTRACTOR****Item 17.** Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data.

These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

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Statement of Work (SOW)
OR
Performance Work Statement (PWS) (choose one)
Supplemental Requirements (AFRL/PZL)
XX XXX 2023 (add date)

The following paragraphs are also considered be a part of the SOW/PWS requirements and the Contractor is responsible for compliance to the same extent as the rest of the SOW/PWS.

1. Implementation of Disclosure of Information:

In order to comply with DFARS 252.204-7000, Disclosure of Information, the following copies of the information to be released are required at least 50 days prior to the scheduled release date:

- a. One (1) copy(ies) to: XXX, Contracting Officer
- b. One (1) copy(ies) to: XXX, Program Manager

2. Key Positions and Minimum Qualifications:

- a. Contractor personnel holding the position titles and having the qualifications listed below are considered essential to the work being performed under this contract:

Key Positions: (list by job title)	Minimum Qualifications: (list minimum qualifications in terms of education and/or experience)
XXX	XXXXXXXXXX
XXX	XXXXXXXXXX
XXX	XXXXXXXXXX

- b. The Contractor shall notify the Contracting Officer before the departure of any individual in a key position and identify the proposed substitution. Any proposed personnel substitution that does not meet the minimum qualification requirements described above requires the prior written approval of the Contracting Officer.

3. Packaging and Marking:

- a. All hardware deliverable contract items shall be packaged in accordance with established commercial practices.
- b. When special delivery and/or handling instructions are required, all boxes and/or crates must contain the following statement in plain sight and in bold letters:
INSTRUCTION TO RECEIVING OFFICE – DO NOT OPEN; CONTENTS ARE SENSITIVE TO DAMAGE WHEN IMPROPERLY OPENED OR HANDLED. CONTACT THE RESPONSIBLE TECHNICAL PROJECT OFFICER IMMEDIATELY UPON RECEIPT. CONTACT INFORMATION: XXX (insert POC's name and contact information).

4. Program Manager:

The Government Program Manager for this effort is XXX (insert name and contact information).

5. Program Focal Points:

The individuals listed below are identified as focal points for this contract.

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Principal Investigator: XXX
Technical Contract Manager: XXX
Alternate: XXX

6. Base Support:

Base support may be provided by the Government to the Contractor in accordance with this SOW/PWS.

- a. The Contractor will require use of base support on a rent-free, non-interference basis to include Government-controlled working space, material, equipment, services (including automatic data processing), or other support (excluding use of the Defense Switched Network (DSN)) which the Government determines can be made available at, or through, any Air Force installation where this contract shall be performed.
- b. Unless otherwise stipulated in the contract schedule, the Contractor will use base support on a no-charge-for-use basis and the value shall be a part of the Government's contract consideration.
- c. The Contractor will immediately report (with a copy to the cognizant contract administration office (CAO)) inadequacies, defective base support, or nonavailability of support stipulated by the contract schedule, together with a recommended plan for obtaining the required support. Facilities are not to be purchased under this contract by the Contractor. Additionally, the Contractor (or authorized representative) will not purchase or otherwise furnish any base support requirement provided by the SOW/PWS (or authorize others to do so), without prior written approval of the Contracting Officer regarding the price, terms, and conditions of the proposed purchase, or approval of other arrangements.
- d. The following are installations where base support will be provided: XXX (insert list of installations).
- e. The base support to be furnished under this contract is XXX (insert list of support items). Because of the nature and location(s) of the work performed, the value of such support is undeterminable. The Contractor is not authorized to incur any costs resulting from nonsupport prior to Contracting Officer direction.
- f. In the performance of this contract or any major subcontract, no direct or indirect costs for support will be incurred if the Government determines that support is available at or through any Air Force installation where this contract shall be performed.

7. Contracting Monitor (CM) for Top Secret (TS) Sensitive Compartmented Information (SCI) Security Administration:

The Government CM for TS//SCI Security Administration on behalf on the Contracting Officer for this effort is XXX (insert name and contact information). Additionally, refer to the contract specific DD Form 254 and the SCI addendum for further security guidance, requirements and information.

8. Implementation of Patent Rights Clause:

- a. Interim or Final Invention Reports 1) listing the subject invention(s) and stating that all subject inventions have been disclosed, or 2) stating that there are no such inventions, shall be sent to both the Administrative Contracting Officer (insert "at the address located on the face page of the contract award" or name and address of the ACO) and to AFRL/PZL Patent Reporting at afmclo.jaz@us.af.mil within the timeframes specified in the Patent Rights clause of this contract.

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- b. Contractors shall use DD Form 882, *Report of Inventions and Subcontracts*, to submit these reports. The DD Form 882 shall also be used for the notification of an award of any subcontract(s) for experimental, developmental, or research work which contain a “Patent Rights” clause.
 - c. All other notifications required by the contract shall also be sent to the individuals in paragraph a. This provision also constitutes the request for the following information for any subject invention for which the Contractor has retained ownership: (1) the filing date, (2) the serial number and title, (3) a copy of the patent application, and (4) the patent number and issue date. Submittal shall be to AFRL/PZL Patent Reporting at afmclo.jaz@us.af.mil.
9. Information Regarding Non-U.S. Citizens Assigned to this Project:
- a. Contractor employees requiring access to USAF bases, AFRL facilities, and/or access to U.S. Government Information Technology (IT) networks in connection with the work on this contract must be U.S. citizens. For the purpose of base and network access, possession of a permanent resident card (“Green Card”) does not equate to U.S. citizenship. This requirement does not apply to foreign nationals approved by the U.S. Department of Defense or U.S. Department of State under international personnel exchange agreements with foreign governments. It also does not apply to dual citizens who possess U.S. citizenship, to include Naturalized citizens. Any waivers to this requirement must be granted in writing by the Contracting Officer prior to providing access. Specific format for a waiver request will be provided upon request to the Contracting Officer. The above requirements are in addition to any other contract requirements related to obtaining a Common Access Card (CAC).
 - b. For purposes of paragraph a above, if an IT network/system does not require AFRL to endorse a Contractor’s application to said network/system in order to gain access, the organization operating the IT network/system is responsible for controlling access to its system. If an IT network/system requires a U.S. Government sponsor to endorse the application in order for access to the IT network/system, AFRL will only endorse the following types of applications, consistent with the requirements above:
 - i. Contractor employees who are U.S. citizens performing work under this contract.
 - ii. Contractor employees who are non-U.S. citizens and who have been granted a waiver.
- Any additional access restrictions established by the IT network/system owner apply.

10. Fundamental Research:

Pursuant to DFARS 252.204-7000, Disclosure of Information, the exception in paragraph (a)(3) allowing release of information is applicable to Statement of Work section(s)/task(s) XXX (insert applicable SOW paragraph number(s)), only as long as the work remains in the public domain or is considered fundamental research and not sensitive or inappropriate for public release. Any time work progresses to the non-public domain, exceeds the scope of fundamental research, or the Contractor has reason to believe the work has become sensitive or inappropriate for release to the public, then this exception no longer applies.

11. Comprehensive Small Business Subcontracting Plan:

The comprehensive small business subcontracting plan dated XXX (insert date) is hereby incorporated into the contract by reference.

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12. Operation Security (OPSEC):

- a. Operations Security (OPSEC) must be an integral part of our daily activities. As we maintain security on our future technologies that are vital to national interest, we must recognize and prepare for the threat poised against our technology. Department of Defense policies mandate a high degree of security throughout the acquisition process. However, heightened security awareness and threat-based countermeasures are particularly essential during the research and development phase when our technology is most vulnerable to espionage, sabotage, or exploitation. It is the obligation of each employee or persons involved on this contract be constantly aware of and strictly adhere to security requirements designed to protect sensitive unclassified and other information and resources produced by acquisition, research and development, and technological security efforts outlined in **this _____ (PWS, SOW)**. The contractor shall ensure employees receive training and follow appropriate Operations Security (OPSEC) measures during the performance of the contract.
- b. This program mandates that contractor and subcontractor personnel maintain OPSEC posture by training all contract personnel involved in this effort. The contractor must ensure that employees complete Level I OPSEC training within 30 calendar days of joining the project team. Additionally, employees are required to complete annual OPSEC awareness training. Training can be provided by the company or accessed online here:
<https://securityawareness.usalearning.gov/opsec/index.htm>
- c. Contractor employees during the performance of this effort may be required to have access to Critical Technology Elements (CTE), Enabling technologies, Critical Program Information (CPI) or other potential sensitive information. Contractor employees will be required to protect this information from disclosure to unauthorized personnel and companies. If a disclosure occurs, the contractor shall notify the Government program and security office within 24 hours of any security incidents involving the loss, compromise, or suspected compromise of CTE/CPI. The notification must be made through secure means (encrypted email, secure email, or secure/encrypted call) appropriate to the level of the information involved. Following notification to the government program or security office, the contractor shall assist with all inquiry and investigation reports, and, if applicable, participate in a damage assessment

13. Science and Technology (S&T) Protection (AFRLI 61-113):

The requirements below are in accordance with Air Force Research Laboratory Instruction (AFRLI) 61-113, *"S&T Protection for the Air Force Research Laboratory"* and only required when there is a S&T plan called out in one of the following documents SOW, PWS, DD form 254 or is requested by the Requirements Owner.

- a. S&T Protection Plan Requirement: The contractor is required to follow the S&T Protection Plan, or a comparable document (i.e. Program Protection Plan, Program Specific Protection Plan), which will be provided by the Government program or security office under a separate cover. This adherence must be maintained throughout the execution of this project effort. If applicable, the contractor shall integrate any prior planning related to the baseline system or related research, technology or program and contribute feedback for future

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updates to the plan. Additionally, the contractor shall develop a comprehensive Protection Implementation document detailing how they will adhere to the S&T Protection Plan through submission of the Protection Implementation Plan CDRL [A070](#). This document must outline the training and equipping of all employees, subcontractors, vendors and other relevant personnel to ensure compliance with the plan. The contractor is also responsible for providing regular updates and keeping the program office informed of progress and any changes as the project or program advances. The contractor shall promptly inform the Government program office and security of any non-compliances within the S&T Protection Plan.

- i. Also, as applicable, the contractor shall also provide a detailed plan on how they intend to address and rectify these security or requirement gaps with a detailed timeline. These documents shall be sent through secure means. Coordination with the Government program or security office must occur prior to sending information via mail or digitally.

14. Risk Identification and Security Countermeasures (RISC) :

The requirements below are in accordance with Air Force Research Laboratory Instruction (AFRLI) 61-113, *"S&T Protection for the Air Force Research Laboratory"* and required by AFRL/CC.

a. Security RISC Review:

- i. Initial/Annual/New Research and Related (R&R) Senior/Key Person Profile: In accordance with CDRL [A069](#), the Contractor shall provide R&R Senior/Key Person Profile Worksheet(s) throughout the lifecycle of this effort as follows: 1) an initial report of all Senior/Key Personnel at the time of award; 2) an annual report of all Senior/Key Personnel providing support; and 3) ad hoc report when any new Senior/Key Personnel join the contract. Contractor shall obtain coordination from the Government on all ad hoc R&R Senior/Key Person Profile Worksheet(s) prior to the covered employee(s) receiving access to S&T information.
- ii. If, at any time, during performance of this award, the contractor/subcontractor learns that its Senior/Key Research Personnel are or are believed to be participants in a Foreign Government Talent Program or have Foreign Components with a strategic competitor or country with a history of targeting U.S. technology for unauthorized transfer, the contractor shall notify the Contracting Officer no later than 5 business days from the date at this information became known.
- iii. In the event a security risk is identified, and the Government determines the security risk exceeds the acceptable threshold, the Contracting Officer will promptly notify the Contractor of the Government's recommended course of action, which may include full or partial termination of award. The Government will provide as much information/rationale as OPSEC measures allow for. In the event the Contractor wishes to challenge the Government's decision, fundamental research awards will follow the OSD R&E Memorandum dated 6 Jun 2023. All other awards follow the Ombudsman procedures in DAFFARS 5352.201-9101.

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- iv. Contractor shall flow down this requirement to all subcontractors involved in the performance of research under this effort.

252.215-7009 Proposal Adequacy Checklist.

As prescribed in 215.408 (4), use the following provision:

PROPOSAL ADEQUACY CHECKLIST (MAR 2023)

The offeror shall complete the following checklist, providing location of requested information, or an explanation of why the requested information is not provided. In preparation of the offeror's checklist, offerors may elect to have their prospective subcontractors use the same or similar checklist as appropriate.

PROPOSAL ADEQUACY CHECKLIST

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
GENERAL INSTRUCTIONS			
1.	FAR 15.408, Table 15-2, Section I Paragraph A	Is there a properly completed first page of the proposal per FAR 15.408 Table 15-2 I.A or as specified in the solicitation?	
2.	FAR 15.408, Table 15-2, Section I Paragraph A(7)	Does the proposal identify the need for Government- furnished material/tooling/test equipment? Include the accountable contract number and contracting officer contact information if known.	
3.	FAR 15.408, Table 15-2, Section I Paragraph A(8)	Does the proposal identify and explain notifications of noncompliance with Cost Accounting Standards Board or Cost Accounting Standards (CAS); any proposal inconsistencies with your disclosed practices or applicable CAS; and inconsistencies with your established estimating and accounting principles and procedures?	

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
4.	FAR 15.408, Table 15-2, Section I, Paragraph C(1) FAR 2.101, “Cost or pricing data”	Does the proposal disclose any other known activity that could materially impact the costs? This may include, but is not limited to, such factors as— (1) Vendor quotations; (2) Nonrecurring costs; (3) Information on changes in production methods and in production or purchasing volume; (4) Data supporting projections of business prospects and objectives and related operations costs; (5) Unit-cost trends such as those associated with labor efficiency; (6) Make-or-buy decisions; (7) Estimated resources to attain business goals; and (8) Information on management decisions that could have a significant bearing on costs.	
5.	FAR 15.408, Table 15-2, Section I Paragraph B	Is an Index of all certified cost or pricing data and information accompanying or identified in the proposal provided and appropriately referenced?	
6.	FAR 15.403-1(b)	Are there any exceptions to submission of certified cost or pricing data pursuant to FAR 15.403-1(b)? If so, is supporting documentation included in the proposal? (Note questions 18-20.)	

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
7.	FAR 15.408, Table 15-2, Section I Paragraph C(2)(i)	Does the proposal disclose the judgmental factors applied and the mathematical or other methods used in the estimate, including those used in projecting from known data?	
8.	FAR 15.408, Table 15-2, Section I Paragraph C(2)(ii)	Does the proposal disclose the nature and amount of any contingencies included in the proposed price?	
9.	FAR 15.408 Table 15-2, Section II, Paragraph A or B	Does the proposal explain the basis of all cost estimating relationships (labor hours or material) proposed on other than a discrete basis?	
10.	FAR 15.408, Table 15-2, Section I Paragraphs D and E	Is there a summary of total cost by element of cost and are the elements of cost cross- referenced to the supporting cost or pricing data? (Breakdowns for each cost element must be consistent with your cost accounting system, including breakdown by year.)	
11.	FAR 15.408, Table 15-2, Section I Paragraphs D and E	If more than one Contract Line Item Number (CLIN) or sub Contract Line Item Number (sub-CLIN) is proposed as required by the RFP, are there summary total amounts covering all line items for each element of cost and is it cross- referenced to the supporting cost or pricing data?	

	REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
12.	FAR 15.408, Table 15-2, Section I Paragraph F	Does the proposal identify any incurred costs for work performed before the submission of the proposal?		
13.	FAR 15.408, Table 15-2, Section I Paragraph G	Is there a Government forward pricing rate agreement (FPRA)? If so, the offeror shall identify the official submittal of such rate and factor data. If not, does the proposal include all rates and factors by year that are utilized in the development of the proposal and the basis for those rates and factors?		

COST ELEMENTS

MATERIALS AND SERVICES

14.	FAR 15.408, Table 15-2, Section II Paragraph A	Does the proposal include a consolidated summary of individual material and services, frequently referred to as a Consolidated Bill of Material (CBOM), to include the basis for pricing? The offeror's consolidated summary shall include raw materials, parts, components, assemblies, subcontracts and services to be produced or performed by others, identifying as a minimum the item, source, quantity, and price.		
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SUBCONTRACTS (Purchased materials or services)

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
15.	DFARS 215.404-3		Has the offeror identified in the proposal those subcontractor proposals, for which the contracting officer has initiated or may need to request field pricing analysis?
16.	FAR 15.404-3(c) FAR 52.244-2		Per the thresholds of FAR 15.404-3(c), Subcontract Pricing Considerations, does the proposal include a copy of the applicable subcontractor's certified cost or pricing data?
17.	FAR 15.408, Table 15-2, Note 1; Section II Paragraph A		Is there a price/cost analysis establishing the reasonableness of each of the proposed subcontracts included with the proposal? If the offeror's price/cost analyses are not provided with the proposal, does the proposal include a matrix identifying dates for receipt of subcontractor proposal, completion of fact finding for purposes of price/cost analysis, and submission of the price/cost analysis?

EXCEPTIONS TO CERTIFIED COST OR PRICING DATA

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
18.	FAR 52.215-20 FAR 2.101, “commercial product” or “commercial service”	Has the offeror submitted an exception to the submission of certified cost or pricing data for commercial products or commercial services proposed either at the prime or subcontractor level, in accordance with provision 52.215-20? a. Has the offeror specifically identified the type of commercial product or commercial services claim (FAR 2.101 [“]commercial product” or “commercial service” definition, paragraphs (1) through (8)), and the basis on which the commercial product or commercial service meets the definition? b. For modified commercial products (FAR 2.101 “commercial product” definition paragraph (3)); did the offeror classify the modification(s) as either— i. A modification of a type customarily available in the commercial marketplace (paragraph (3)(i)); or ii. A minor modification (paragraph (3)(ii)) of a type not customarily available in the commercial marketplace made to meet Federal Government requirements not exceeding the thresholds in FAR 15.403-1(c)(3)(iii)(B)? c. For proposed commercial products “of a type”, or “evolved” or modified (FAR 2.101 “commercial product” definition), did the contractor provide a technical description of the differences between the proposed item and the comparison item(s)?	

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
19.	[Reserved]		
20.	FAR 15.408, Table 15-2, Section II Paragraph A(1)		Does the proposal support the degree of competition and the basis for establishing the source and reasonableness of price for each subcontract or purchase order priced on a competitive basis exceeding the threshold for certified cost or pricing data?

INTERORGANIZATIONAL TRANSFERS

21.	FAR 15.408, Table 15-2, Section II Paragraph A.(2)		For inter-organizational transfers proposed at cost, does the proposal include a complete cost proposal in compliance with Table 15-2?
22.	FAR 15.408, Table 15-2, Section II Paragraph A(1)		For inter-organizational transfers proposed at price in accordance with FAR 31.205-26(e), does the proposal provide an analysis by the prime that supports the exception from certified cost or pricing data in accordance with FAR 15.403-1?

DIRECT LABOR

23.	FAR 15.408, Table 15-2, Section II Paragraph B		Does the proposal include a time phased (i.e.; monthly, quarterly) breakdown of labor hours, rates and costs by category or skill level? If labor is the allocation base for indirect costs, the labor cost must be summarized in order that the applicable overhead rate can be applied.
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REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
24.	FAR 15.408, Table 15-2, Section II Paragraph B	For labor Basis of Estimates (BOEs), does the proposal include labor categories, labor hours, and task descriptions, (e.g.; Statement of Work reference, applicable CLIN, Work Breakdown Structure, rationale for estimate, applicable history, and time-phasing)?	
25.	FAR subpart 22.10	If covered by the Service Contract Labor Standards statute (41 U.S.C. chapter 67), are the rates in the proposal in compliance with the minimum rates specified in the statute?	
INDIRECT COSTS			
26.	FAR 15.408, Table 15-2, Section II Paragraph C	Does the proposal indicate the basis of estimate for proposed indirect costs and how they are applied? (Support for the indirect rates could consist of cost breakdowns, trends, and budgetary data.)	
OTHER COSTS			
27.	FAR 15.408, Table 15-2, Section II Paragraph D	Does the proposal include other direct costs and the basis for pricing? If travel is included does the proposal include number of trips, number of people, number of days per trip, locations, and rates (e.g. airfare, per diem, hotel, car rental, etc)?	

	REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
28.	FAR 15.408, Table 15-2, Section II Paragraph E	If royalties exceed \$1,500 does the proposal provide the information/data identified by Table 15-2?		
29.	FAR 15.408, Table 15-2, Section II Paragraph F	When facilities capital cost of money is proposed, does the proposal include submission of Form CASB-CMF or reference to an FPRA/FPRP and show the calculation of the proposed amount?		

FORMATS FOR SUBMISSION OF LINE ITEM SUMMARIES

30.	FAR 15.408, Table 15-2, Section III	Are all cost element breakdowns provided using the applicable format prescribed in FAR 15.408, Table 15-2 III? (or alternative format if specified in the request for proposal)		
31.	FAR 15.408, Table 15-2, Section III Paragraph B	If the proposal is for a modification or change order, have cost of work deleted (credits) and cost of work added (debits) been provided in the format described in FAR 15.408, Table 15-2.III.B?		
32.	FAR 15.408, Table 15-2, Section III Paragraph C	For price revisions/redeterminations, does the proposal follow the format in FAR 15.408, Table 15-2.III.C?		

OTHER

REFERENCES	SUBMISSION ITEM	PROPOSAL PAGE No.	If not provided EXPLAIN (may use continuation pages)
33.	FAR 16.4		If an incentive contract type, does the proposal include offeror proposed target cost, target profit or fee, share ratio, and, when applicable, minimum/maximum fee, ceiling price?
34.	FAR 16.203-4 and FAR 15.408 Table 15-2, Section II, Paragraphs A, B, C, and D		If Economic Price Adjustments are being proposed, does the proposal show the rationale and application for the economic price adjustment?
35.	FAR 52.232-28		If the offeror is proposing Performance-Based Payments did the offeror comply with FAR 52.232-28?
36.	FAR 15.408(n) FAR 52.215-22 FAR 52.215-23		Excessive Pass-through Charges- Identification of Subcontract Effort: If the offeror intends to subcontract more than 70% of the total cost of work to be performed, does the proposal identify: (i) the amount of the offeror's indirect costs and profit applicable to the work to be performed by the proposed subcontractor(s); and (ii) a description of the added value provided by the offeror as related to the work to be performed by the proposed subcontractor(s)?

(End of provision)

Parent topic: [252.215 RESERVED](#)

252.227-7017 Identification and Assertion of Use, Release, or Disclosure Restrictions.

As prescribed in 227.7104 (e)(2), or 227.7203-3 (a), use the following provision:

IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JAN 2023)

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation—

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data—Other Than Commercial Products and Commercial Services clause, or, if this solicitation contemplates a contract under the Small Business Innovation Research Program, the Rights in Other Than Commercial Technical Data and Computer Software—Small Business Innovation Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Other Than Commercial Computer Software and Other Than Commercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovation Research Program, the Rights in Other Than Commercial Technical Data and Computer Software—Small Business Innovation Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documentation, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovation Research Program, the notification and identification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers, shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to Be furnished with Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Company/Person Asserting Restrictions****

*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

***Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

****Corporation, individual, or other person, as appropriate.

*****Enter "none" when all data or software will be submitted without restrictions.

Date _____
Printed Name and Title _____

Signature _____

H0023 Air Force Research Laboratory Wright Research Site Security Requirements (JUN 2023)

(a) *Definitions.* As used in this clause –

Air Force Research Laboratory (AFRL)-managed facilities means -

- (1) AFRL buildings, areas, test facilities, and laboratories located at the AFRL Wright Research Site, Wright-Patterson Air Force Base (WPAFB), Ohio;
- (2) Buildings owned or facility space leased by the AFRL Wright Research Site, whether for single or multi-tenant occupancy, and its grounds and approaches, all or any portion of which is under the jurisdiction, custody, or control of the AFRL Wright Research Site;
- (3) Commercial space managed by the AFRL Wright Research Site that is shared with non-government tenants. For example, if the AFRL Wright Research Site leased the 10th floor of a commercial building, the directive applies to the 10th floor only;
- (4) Contractor-operated facilities owned by the AFRL Wright Research Site, including laboratories engaged in national defense research and production activities.

Augmented reality (AR) device means a device that is capable of, or assists in, augmented reality by enhancing or creating digital overlays. AR is used to enhance natural environments or situations and offers perceptually enriched and interactive experiences achieved through digital visual elements, sounds, and other sensory stimuli via holographic technology. Examples include, but are not limited to, hardware components such as display sensors, computers, projectors, input devices, mobile devices, eyewear, wireless communication devices, and cameras.

Data storage device means computer hardware used to remember/store data. Examples include, but are not limited to, remote or autonomous drones, CDs, DVDs, Blue-Rays, USB flash drives, jump/stick/pen drives, external hard drives, solid state drives, cloud storage, mainframes, laptops, desktops, and floppy disks.

Formal investigation means the process of investigation ordered by a competent U.S. Government authority that involves the questioning of involved parties and gathering of data with the intent to determine if classified or controlled unclassified information (CUI) was lost, compromised, suspected to be compromised, or not compromised at all.

Personal means items that are owned by an individual, person, or private entity and not provided for use under this contract by the U.S. Government.

Physical computer network means interconnected computing devices of any kind that can exchange data and share resources or communicate with other types of devices to execute operations or store information of any kind.

Security Incident Investigation (SII) means a formal investigation that occurs when there is a known or suspected loss of national security information (NSI) or CUI. U.S. Government security personnel conduct SIIs to (1) determine the circumstances surrounding an actual or potential compromise of NSI or CUI; (2) ascertain individual responsibility; (3) notify outside stakeholders, when necessary; and (4) make recommendations to prevent similar occurrences in the future.

Virtual device means a device with no associated hardware. A virtual device mimics a physical hardware device when, in fact, it exists only in software form. Therefore, the device makes the system believe that a particular hardware exists when in reality it does not. Examples include, but are not limited to, a computer, tablet, or smartphone that is simulated in a computer.

- (b) *Prohibition.* The following is prohibited within AFRL-managed facilities, except when explicitly authorized by a U.S. Government contract:
- (1) Prohibited activities -
 - a. Photography
 - b. Videography
 - c. Live Streaming
 - d. Recordings of any kind (e.g., audio)
 - (2) Prohibited personal networks and devices -
 - a. AR devices
 - b. Virtual devices
 - c. Wi-Fi networks
 - d. Physical computer networks
 - e. Data storage devices
- (c) *Waivers.* A request for a waiver to the prohibitions outlined in paragraph (b) shall be submitted in writing to the Government Program Manager/Contracting Officer's Representative (COR) for internal Government coordination and approval. If a waiver request is granted, written approval shall be provided by the cognizant AFRL Operations Security (OPSEC) coordinator and Security Chief. The specific format for a waiver request will be provided upon request to the Government Program Manager/COR.
- (d) *Incident Reporting Requirement.* If the contractor discovers a prohibited activity identified in paragraph (b)(1) has occurred within an AFRL-managed facility and/or a prohibited personal network or device identified in paragraph (b)(2) has been brought into an AFRL-managed facility without a valid waiver, as specified in paragraph (c), the incident shall be immediately reported in writing to the Government Program Manager/COR with a courtesy copy to the Contracting Officer.
- (e) *Violations.* If a violation of this clause occurs or is suspected to have occurred, the cognizant AFRL security organization will lead and conduct a formal investigation. If a violation or suspected violation may involve classified material, the cognizant AFRL security organization will lead and conduct a Security Incident Investigation (SII). Depending on the outcome of the investigation and the information involved, penalties for violations can range from a written warning to removal from the AFRL-managed facility and/or installation. Violations and potential penalties will be governed by the applicable contract clause(s), law(s), or regulation(s).
- (f) *Subcontracts.* The contractor shall include this clause in all subcontracts or similar contractual instruments/agreements relating to work performed under this contract.

(End of clause)

PRIME CONTRACTOR'S ANALYSIS OF SUBCONTRACTOR'S COSTS
(REFER TO FAR 15.404-3)

SUBCONTRACTOR ANALYSIS MUST BE SUBMITTED WHENEVER A
SUBCONTRACTOR IS INVOLVED (NO DOLLAR LIMITATION)

The prime contractor should provide for each subcontractor an analysis and documentation concerning the reasonableness, realism, and completeness of the subcontractor's proposal. Analysis should include, but not be limited to an analysis of materials, labor and reasonableness of other direct costs (types and quantities), and proposed profit rates. **Merely a statement concerning technical necessity does not demonstrate reasonableness, realism and completeness.**

LABOR: Comments should be made concerning the adequacy of the proposed labor hours and mix. The labor rates, which may be fully burdened, should be reviewed and comments should be provided regarding the reasonableness of the rates. Proposed rates may be compared with rates negotiated for previous efforts, with the prime's own similar type rates or with other subcontractor's similar type proposed rates.

MATERIAL: These costs should be reviewed and comments should be made concerning quantities, types and needs of material items. In addition, a value review of the materials should be performed and submitted. (Is the value of the item commensurate with effort's requirement)

TRAVEL: Comments should be made concerning the number and necessity of proposed trips as well as the reasonableness of the per diem rates, air fares, and car rental rates.

OTHER DIRECT COSTS: These costs should be reviewed and comments made concerning the necessity and reasonableness of the proposed costs.

PROFIT: Is the profit reasonable for the type effort contemplated? Support your conclusions.

Subcontractor Price Analysis
AF Contract Number: FA8650-1X-X-XXXX

Prime Contractor:

Subcontractor #1 Name & Address:

Provided herein is the prime contractor's analysis of the reasonableness, realism, and completeness of the subcontractor #1's proposal for contract # FA8650-1X-X-XXXX in accordance with FAR 15.404-3 (b).

Summary: *XXX was selected as subcontractor for this effort because of their history of being a national leader in XXX is a designated Center of ExcellenceXXX was established over XX years ago for the application of xxx. Nearly 2,000 medical centers and agencies worldwide use the educational systems and training curricula developed at the XXX. Although cost was considered, their technical performance on past efforts with our team was the primary factor for selection as a subcontractor.*

Labor: Subcontractor #1 proposed fully burdened rates totaling \$XX for XX hours of work for this Phase II effort.

This includes:

- 104 hours of DrXXs time at a rate of \$xx/hour with an additional fringe rate of 10.6% based on a federally negotiated rates
- 62.4 hours of John Doe's time at a rate of 54.37/hour with an additional fringe rate of 35.3% based on a federally negotiated rates
- 62.4 hours of Jill Doe's time at a rate of \$39.09/hour with an additional fringe rate of 35.3% based on a federally negotiated rates
- 62.4 hours of Joe White's time at a rate of \$27.34/hour with an additional fringe rate of 35.3% based on a federally negotiated rates
- In addition, 22.4 hours is requested for sim med techs with an additional fringe rate of 12% based on a federally negotiated rates

Material: \$X,xxx is requested from xy&z to support this effort. These material costs are needed to perform yXZ. *These material costs are supported by supplier quotes.*

Travel: No travel is proposed **or**

the subcontractor proposed X # of Trips to support yXZ. These trips are necessary because the subcontractor will be doing yXZ. The costs of the trips has been analyzed and the travel costs are estimated using quotes for airfare and rental cars as well as GSA approved per diem rates for food and lodging.

Other Direct Costs: No other Direct Costs are proposed **or**
Analysis of ODC.

Indirect Costs: A federally negotiated indirect cost rate of XX is applied to all direct costs.

Profit/Fee: The subcontractor's proposed fee/profit is X%. This is reasonable because
_____.

Conclusion: We find all of costs requested by Xyz contractor to be fair and reasonable.

Analysis completed by:

The Official Designated responsible to act on behalf of company
Company Name
Date:

SECURITY PROGRAM QUESTIONNAIRE

Objective: This questionnaire is used to review the security program and practices of the institutions receiving research funding.

Intended Audience/User: Completed by collaborators; reviewed by S&T Protection Lead.

Date Submitted: _____

Applicant Name: _____

CAGE Code/SCL and level (if applicable): _____

Completed by Name: _____

Position/Title: _____

1. What are your physical security plans?
2. What information security processes are in place?
3. Where will information for this effort be stored? (examples: computers, cloud, file cabinets, etc.)
4. What procedures are in place for transmission/transportation of information for this effort?
5. What procedures are in place for disposal and destruction of information for this effort?
6. What procedures are in place for reproduction of information for this effort?
7. What safeguards are in place for personnel who can access information for this effort?
8. What is the plan for safeguarding GFE/GFI?
9. What procedures are in place for cybersecurity or network protection?
10. What operations security processes are in place to prevent adversaries' access to information for this effort or actions that would compromise your projects?
11. What processes are in place to deter, detect, and mitigate actions of insider threat?
12. What procedures are in place to handle if information for this effort is compromised?
13. Are you willing to provide AFRL S&T Protection training to all personnel with access annually?

Additional comments:

Research and Related Senior and Key Person Profile Worksheet

Profile – Project Director / Principal Investigator

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

Profile – Senior / Key Person 1

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

* Required Item

Research and Related Senior / Key Person Profile – FAR-Based Contracts

Profile – Senior / Key Person 2

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

Profile – Senior / Key Person 3

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

* Required Item

Research and Related Senior / Key Person Profile – FAR-Based Contracts

Profile – Senior / Key Person 4

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

Profile – Senior / Key Person 5

* First Name:	
Middle Name:	
* Last Name:	
Suffix:	
* Position / Title:	
Department:	
* Organization Name:	
Division:	
Phone Number:	
* Email Address:	
LinkedIn Profile:	

* Project Role:	PD / PI
Other Project Role:	

* Required Item

Authority: Government Paperwork Elimination Act (Pub. L. 105-277, 44 U.S.C. 3504); Executive Order 12372, Intergovernmental review of Federal Programs (47 FR 30959); 42 U.S. Code § 6605 – Disclosure of funding sources in applications for Federal research and development awards; Public Law 117-167, CHIPS and Science Act; Public Law 116-92, National Defense Authorization Act for Fiscal Year 2020; Public Law 116-283, National Defense Authorization Act for Fiscal Year 2021; 5 U.S.C. 9101, Access to Criminal History for National Security and Other Purposes 5 CFR §1320.8, Agency collection of information Responsibility; 18 U.S.C. § 1001, False Statements, Concealment; E.O. 13478, Amendments to Executive Order 9397 Related to Federal Use of social Security Numbers; NSPM-33, National Security Presidential Memorandum 33 on National Security for United States Research and Development; DoD-D 5240.01, DoD Intelligence Activities; DoDI 5200.02, Department of Defense Personnel Security Program; DODI 5205.87 Mitigating Risks Related to Foreign Ownership, Control, or Influence for Covered DOD Contractors and Subcontractors; Air Force Research Laboratory Instruction 61-113, Science and Technology Protection for the Air Force Research Laboratory;

Purpose: The information collected may be used in processing, investigating, and maintaining records relevant to Federal Grants, Cooperative Agreements, Contracts, Other Transaction Agreements or other research related agreements awarded by the Department of the Air Force. Records in these systems will be used to ensure Department of the Air Force sponsored and/or awarded federal grants, cooperative agreements, contracts, Other Transaction Agreements and/or benefits are awarded to responsible parties, entities, and individuals.

Routine Uses: To contractors, grantees, experts, consultants, students, and others performing or working on a contract, grant, cooperative agreement, other transaction or other assignment for the Federal Government when necessary to accomplish an agency function.

To the appropriate Federal, State, local, territorial, tribal, foreign, or international law enforcement authority or other appropriate entity where a record, either alone or in conjunction with other information, indicates a violation or potential violation of law, whether criminal, civil, or regulatory in nature.

DoD Blanket Routine Use (<http://dpcl.d.defense.gov/privacy>)

Effect of not providing information: Providing information to the Department of the Air Force is voluntary. However, 42 U.S. Code § 6605, which imposes certain disclosure requirements in connection with Federal research and development awards, provides various enforcement mechanisms for non-compliance to include civil or criminal remedies. One such mechanism, which the Department of the Air Force intends to pursue here, is rejection of such applications.

Proposal Title: _____

Acknowledgment of consent:

Covered individual (Signature): _____ Date: _____

Covered individual (Name print): _____

Institution's Authorized Representative (Signature): _____ Date: _____

Institution's Authorized Representative (Name print): _____

Institution Name: _____

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188									
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.															
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____				N/A REF: DOD 5010.12-I AMSDL							
D. SYSTEM/ITEM			E. CONTRACT/PR NO. FA			F. CONTRACTOR									
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM TECHNICAL INFORMATION REPORT				3. SUBTITLE Security Plan									
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80652/T			5. CONTRACT REFERENCE CSOW			6. REQUIRING OFFICE AFRL/TBD									
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY *		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION							
8. APP CODE N/A		TBD		11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION ** R/ASR		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2">a. ADDRESSEE</th> <th rowspan="2">Draft</th> <th colspan="2">b. COPIES</th> </tr> <tr> <th>Reg</th> <th>Repro</th> </tr> </table>		a. ADDRESSEE	Draft	b. COPIES		Reg	Repro
a. ADDRESSEE	Draft	b. COPIES													
		Reg	Repro												
16. REMARKS Tailored to allow for contractor format. Submit electronically in Microsoft Office Suite compatible format, PDF, or RTF as coordinated with the PM/PE. Include the contract number in the subject line for email delivery. *The contractor shall submit this document fifteen (15) days after award of contract if required by the government. The government will provide comments within fifteen (15) days after receipt of drafts. Final copies due fifteen (15) days after receipt of government comments. **Provide updates and supplements to this document, as appropriate, during the period of performance. Identify changes from previous versions. Permanent change pages shall conform to the requirements, quality, style, and format of the basic documentation. R/ASR means revisions as required to keep the Security Plan up to date, make changes or corrections; submit revisions as generated. Submit classified Data (up to and including SECRET) via the SIPRNET or as coordinated with the requiring office. Submit Export Controlled Data as coordinated with the requiring office. Submit electronically. Electronic submittals shall be encrypted or password protected.						Security/TBD		0	1	0					
						AFRL/PM/PE		0	1	0					
						15. TOTAL						0	2	0	
G. PREPARED BY AFRL/RQ			H. DATE 16-SEP-2024		I. APPROVED BY		J. DATE								

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

INSTRUCTIONS FOR COMPLETING DD FORM 1423*(See DoD 5010.12-M for detailed instructions.)***FOR GOVERNMENT PERSONNEL****Item A.** Self-explanatory.**Item B.** Self-explanatory.**Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management," etc.**Item D.** Enter name of system/item being acquired that data will support.**Item E.** Self-explanatory (to be filled in after contract award).**Item F.** Self-explanatory (to be filled in after contract award).**Item G.** Signature of preparer of CDRL.**Item H.** Date CDRL was prepared.**Item I.** Signature of CDRL approval authority.**Item J.** Date CDRL was approved.**Item 1.** See DoD FAR Supplement Subpart 4.71 for proper numbering.**Item 2.** Enter title as it appears on data acquisition document cited in Item 4.**Item 3.** Enter subtitle of data item for further definition of data item (optional entry).**Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.**Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).**Item 6.** Enter technical office responsible for ensuring adequacy of the data item.**Item 7.** Specify requirement for inspection/acceptance of the data item by the Government.**Item 8.** Specify requirement for approval of a draft before preparation of the final data item.**Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).**Item 10.** Specify number of times data items are to be delivered.**Item 11.** Specify as-of date of data item, when applicable.**Item 12.** Specify when first submittal is required.**Item 13.** Specify when subsequent submittals are required, when applicable.**Item 14.** Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.**Item 15.** Enter total number of draft/final copies to be delivered.**Item 16.** Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.**FOR THE CONTRACTOR****Item 17.** Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data.

These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.