<u>Broad Agency Announcement:</u> FA2391-23-S-2403
Pioneering Aerospace Capabilities, Engineering and Research (PACER)

<u>CALL Name:</u> Aggressive Embedded Propulsion & Operability (AEPO)

28 October 2024

OVERVIEW INFORMATION

Broad Agency Announcement Type: This is a One-Step Call against the PACER BAA FA2391-23-S-2403. Offerors should monitor 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) (with Aircraft, Aircraft Engine, and Engine Parts exception), and the small business size standard is 1,500 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, "RQT Topic 14 – Future Enabling Air Breathing Propulsion" will be reviewed.

DUE DATE AND TIME:

<u>One Step:</u> **PROPOSAL DUE DATE AND TIME: 27 December 2024, 3:00 P.M. EST.**

NOTE: Proposal receipt after the due date and time shall be governed by the provisions of FAR 52.215-1(c)(3). Early proposal submission is encouraged.

Submission: ***Electronic submission is required.*** Proposals must be submitted using DoD SAFE to the Primary Contracting Point of Contacts (POCs): Peter Seiley, Contracting Officer, AFRL/RQKPB, peter.seiley@us.af.mil; Eric Carretta, Contracting Officer, AFRL/RQKPB, eric.carretta@us.af.mil; Dylan Steinke, Contract Specialist, AFRL/RQKPB, dylan.steinke@us.af.mil.

Offerors should request a DoD SAFE Drop-Off link from Peter Seiley, Eric Carretta and Dylan Steinke by email at least 4 calendar days prior to Proposal due date.

The maximum email file size the Government can receive is 8 GB. Multiple submissions may be needed to facilitate delivery of the entire proposal. DOD SAFE Drop-Offs should be made with sufficient time for transmittal. Submissions can take up to 4 hours for delivery (recommend submission 24 hours prior to due date to ensure timely delivery).

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 be "C" type contracts with Cost Plus Fixed Fee (CPFF) and/or Cost Share (at the discretion of the offeror) CLINs anticipated.** If a cost share type contract is proposed a detailed cost share plan should be provided. Cost reimbursement contracts require successful offerors to have an accounting system considered adequate for tracking costs applicable to the contract. The Air Force anticipates a Base Effort plus three Option Efforts. These efforts are subject to change based on Government needs.

Estimated Total Program Cost: Proposed costs should be proposed commensurate with the proposed effort. To reach the magnitude of research effort desired, AFRL anticipates that cost for this program should fall within a range of $11,000,000 - $19,000,000. This is an estimate only and proposals are not restricted to this range.

Anticipated Number of Awards: The Air Force anticipates one or more 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:
The objective of this program is to develop advanced computational tools and processes for the design of a fan module in an embedded propulsion installation. A related family of inlet distortion patterns will be used to challenge the design process of a fan module for an embedded application with the goal to operate with sufficient operability, durability, and improved performance for a defined flight envelope, while reducing the time, complexity, and cost to develop the system.

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:
Peter Seiley
Contracting Officer AFRL/RQKPB
E-mail address: peter.seiley@us.af.mil

Eric Carretta
Contracting Officer AFRL/RQKPB
E-mail address: eric.carretta@us.af.mil

Dylan Steinke
Contract Specialist AFRL/RQKPB
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FULL TEXT ANNOUNCEMENT

I. Program Description: Air Force Research Laboratory, AFRL/RQT, Turbine Engine Division, is soliciting technical and cost proposals on the following research effort: ***Aggressive Embedded Propulsion & Operability (AEPO)***

1. **Statement of Objectives:**
   See Attachment 3 for the Statement of Objectives (SOO). This effort falls within the PACER BAA (FA2391-23-S-2403), Technical Objective Area RQT Topic 14 – Future Enabling Air Breathing Propulsion.

   RQT Topic 14 – Future Enabling Air Breathing Propulsion: Research, development, demonstration, and validation of technologies or approaches that will enhance the capability, performance, endurance, and reliability of advanced air breathing propulsion for military applications. This could include, but is not limited to, high payoff engine concepts and components with novel architectures, integrated thermal management, advanced design tools with mission-specific Multi-Disciplinary Analysis and Optimization (MDAO) and Model-Based Systems Engineering (MBSE) tools for Digital Engineering, and concepts tailored to enable effectiveness for crewed and uncrewed weapons systems.

   The Statement of Objectives (SOO) and Key Performance Parameters must be requested from the Government Contracting POC (identified above). Please submit a copy of your approved DD Form 2345, Militarily Critical Technical Data Agreement, with the request. The Government will then send the requested SOO and KPP via DoD SAFE to the potential offeror(s).

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.

3. **Deliverable Items:**
   a. **Data Items:** Contract Data Requirements List (CDRL):

Data Item	Title	Frequency
A001	Scientific and Technical Reports, Final Report	One/R
B001	Scientific and Technical Reports, Final Report	One/R
A002	Funds and Man Hour Expenditure Report	MTHLY
A003	Contractor Spend and Expenditure Report	MTHLY
A004	Contract Funds Status Report (CFSR)	QTRLY
A005	Status Report	QTRLY
A006	Presentation Material	AS REQ
B002	Presentation Material	AS REQ
A007	Test Plan	AS REQ

A008	Test/Inspection Reports	AS REQ
A009	System Safety Hazard Analysis Report (SSHA)	1Time
A010	Scientific and Technical Reports, Detailed Research Plan	AS REQ
A011	Operating Procedures for Hazardous Materials	AS REQ
A012	Digital Imaging	AS REQ
A013	Operations Security (OPSEC) Plan	One/R
A014	Risk Management Status Report	QTRLY
A015	Contract Work Breakdown Structure	One/R
A016	Program Protection Implementation Plan (PPIP)	AS REQ
A017	System Architecture Model (SAM)	ANNLY
A018	Scientific and Technical Reports, R&R Annual Update	ANNLY

See Attachments 1 & 2 of this AEPO Call for the Contract Data Requirements List.

b. **Hardware:** Engine hardware, tooling, geometry data. Hardware will be managed with a contract line item number (CLIN).

c. **Software:** Design tools, lifing tools, cost modeling. Software will be managed with a contract line item number (CLIN).

4. Schedule:

- Overall AEPO PoP:
  - Overall PoP: Base effort (through DDR) 31 months, options will be run in parallel but phased and increases the PoP to 50 months.
  - Technical Period of Performance: Base effort 28 months, with options 47 months.
  - One final report generated for the effort.
  - Reporting: 3 months

AEPO PoP	Overall PoP	Technical PoP	Reporting
Base Effort	31 months	28 months	3 months
With Parallel Options	50 months	47 months	3 months

5. Other Requirements:

a. Program Security Classification: CUI expected, up to Secret permitted. See PACER BAA Attachment 7 for the DD Form 254.

b. OPSEC: Operations Security (OPSEC) requirements, per the PACER BAA, FA2391-23-S-2403, I. (page 9), will be incorporated into the Statements of Work.

c. 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.

d. 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.

e. Contractor Performance Assessment Reporting System (CPARS): Not Applicable.

f. Science and Technology (S&T) Protection: In accordance with Air Force Research Laboratory Instruction (AFRLI) 61-113, *"Science and Technology (S&T) Protection for the Air Force Research Laboratory"*, selectable offerors are required to submit the following as part of their Proposal:

1) A completed initial Standard Form (SF) 424, *Research and Related Senior/Key Person Profile (Expanded) Form*, (PACER BAA Attachment 9) for all Senior/Key Personnel proposed in support of the AFRLI 61-113 Personnel Risk Assessment requirement.

2) Documentation of a Security Program Plan in support of the AFRLI 61-113 Initial Institution S&T Protection Program Review requirement. This must include, at a minimum, a completed Security Program Questionnaire (PACER BAA Attachment 10). Submittal may also include a pre-existing plan that the offeror uses as a matter of course or plan developed specifically for this acquisition. The purpose of requesting the plan is to assess the offeror's capacity for protection of the Government's S&T. Failure to demonstrate a plan adequate to meet the needs of the requirements, as determined by the Government in its sole discretion, may be grounds for considering the proposal unawardable.

<u>Government Procedures</u>
The Government will review the submitted S&T protection documentation only for those proposals categorized as Selectable and selected for funding and negotiations.

S&T Protection Initial Risk Review:

- Personnel Risk Assessment: The Government will review non-government research key/senior performers identified by the offeror on the initial SF 424 for workload conflicts and conflicts of interest.
- Initial Institution S&T Protection Program Review: The Government will review the offeror's security program information submitted in accordance with paragraph 2 of this section (above) to identify any potential risks and ensure appropriate measures are in place to protect S&T information.

The Government may require the offeror to submit additional information and/or a mitigation plan for any identified S&T protection risks. If the Government determines the offeror failed to provide adequate additional information; or an acceptable mitigation plan; or it is determined the offeror's S&T protection approach is high risk and does not provide adequate

protection of S&T information, the Government may reject the proposal and withdraw it from consideration for award.

S&T Protection Annual Risk Review: In accordance with PACER BAA Attachment 8 (SOW Supplemental Requirements), the Contractor shall provide an SF 424 with the following information: 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; 3) a report for any new Senior/Key Personnel who join the contract, agreement, grant, or OT. Any updated SF 424s for new Senior/Key Personnel supporting the award require coordination from the Government prior to the contractor employee receiving access to S&T information. The purpose of this report is oversight and should not be construed as relieving the contractor/recipient of any S&T Protection requirements within the contract, grant, agreement, or OT.

6. Other Information:

a. Government Furnished Property (GFP), Government Furnished Information (GFI) and/or Software, or Contractor Acquired Property: Not Anticipated. If required must clearly be identified in the Proposal.

b. Government Research Facilities
A list of available AFRL research facilities is included in the BAA. If the use of AFRL research facilities and their associated government and/or contractor operational work force are required to perform this task order, availability of these facilities including hardware requirements and/or facility modifications must be coordinated with the AFRL POC prior to submission of proposals. Documentation of this coordination with AFRL POC in the form of a letter must be included in the task order proposal. Research performed in an AFRL facility will not impact the available funding. If the use of Government R&D research facilities from a source other than AFRL/RQT is part of the offeror's plan, a coordination letter identifying availability of the research facilities and estimated costs from that government agency must be included in the task order proposal. Since this cost will be directly funded from AFRL to the other Government agency, the cost of performing the tasks will be subtracted from the available funding. Specific details regarding use of these research facilities are not considered final until completion of contract negotiations.

c. Base Support/Network Access: Not Applicable. If required must be identified in Proposal.

d. Data Rights:
1) Technical Data: Unlimited
2) Non-Commercial Software (NCS): Unlimited
3) NCS Documentation: Unlimited
4) Commercial Computer Software Rights: Customary License

Unlimited rights are desired. Other than unlimited rights, must be identified in the Proposal in accordance with PACER BAA and 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. See PACER BAA I.6.c.

II. Award Information

1. Anticipated Award Date: Anticipated contract award date is approximately March – April 2025.

2. Anticipated Funding: The estimated funding for the program is not being provided. Potential offerors should provide their best estimate of costs in their Proposal based on the provided SOO.

III. Eligibility Information: See PACER BAA FA2391-23-S-2403

IV. Proposal Submission Information

1. **ONE STEP - Proposal Instructions**
   a. **General Instructions:**
      1) The ONE STEP consists of offerors submitting Technical and Cost/Business Proposals within **60 calendar days (27 Dec 24)**. After receipt, Proposals will be evaluated in accordance with the award criteria in Section IV.2.a. below. Proposals will be categorized in accordance with Section IV.2.b and subsequently selected for negotiations.
         a. AFRL plans to hold a Technology Interchange Meeting (TIM) on **18 November 2024, 2:00 P.M. EST to 4:00 P.M. EST.** to review and address questions regarding the AEPO Call. This date is an estimate and is subject to change based on Government availability. This meeting will be held virtually by the Government via Microsoft Teams. Please indicate your organizations interest in participating in this TIM by emailing the TIM POCs below. A copy of your approved DD Form 2345, Militarily Critical Technical Data Agreement, must be submitted with the request to participate. Once your DD 2345 is received a link to the meeting will be provided thereafter.

TIM POCs:
Peter Seiley
Contracting Officer AFRL/RQKPB
E-mail address: peter.seiley@us.af.mil

Eric Carretta
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Dylan Steinke
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2) 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=7AivkWvoUoptKgypgCuIvw%3d%3d. This guide is specifically designed to assist the offeror in understanding the BAA proposal process.

3) Technical/Management and Cost/Business volumes should be submitted in separate volumes and must be valid for at least 180 days. Offerors must state this on the cover page of each volume of their proposal. Both the Technical/ Management and Cost/Business volumes should be separated into Base Effort and Option Effort as each must be evaluated separately. Tasks are to be completed and priced separately (per Task 3.1.x, per Option) in accordance with section 3 of the SOO (See Attachment 3), including sections 4, 5, 6, 7, 8 and 9.

4) Proposals must reference the announcement number FA2391-23-S-2403, Call Name, and the relevant Topic Number.

5) Offerors must submit one electronic copy of their Proposals per the directions in the Overview Information. Please contact the Contracting POC if there are any issues submitting an electronic copy.

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

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.

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 Contracting POC for delivery instructions.

b. **Technical/Management Proposal:**

1) Page Limitations: The following describes proposal page limitations:
   a. The Technical/Management Proposal shall be limited to **50 pages**. This includes the Base and Option Efforts. Technical/Management proposals

and Statements of Work must be provided in Microsoft Word. Signed pages may be submitted in Adobe.

b. Font shall be standard 10-point business font Arial.

c. Character spacing must be "normal," not condensed in any manner.

d. 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.

e. 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.

f. Pages shall be numbered starting with the cover page being Page 1, and the last page being no greater than **50**. 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 **15** 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.**

2) 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. The SOW must be clearly divided between Base Effort tasks and Option Effort tasks. ***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).

3) Any questions concerning the technical proposal or SOW preparation shall be referred to the Contracting POCs.

c. **Cost/Business Proposal:**

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. The Cost/Business volume must be clearly divided between Base Effort tasks and Option Effort tasks.

   a. See PACER BAA Attachment 2 for the Model Contract. Note that 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.

      Section H – Special Contract Requirements "Wright Research Site Security Requirements (June 2023)" applies and will be included in any awarded contract. See Attachment 4 of this AEPO Call.

   b. The 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.

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) can be found in PACER BAA Attachment 3. Offerors may also be required to submit updated or supplemental Certifications and Representations based on the specifics of their proposal.

h. 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:

   i. 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);
   ii. 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;
   iii. The amount of rent that would otherwise be charged in accordance with FAR 52.245-9, Use and Charges; and
   iv. 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.

2) **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. 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:

   i. Identify principal items/services to be subcontracted.
   ii. Identify prospective subcontractors and the basis on which they were selected. If non-competitive, provide selected source justification.
   iii. Identify the type of contractual business arrangement contemplated for the subcontract and provide rationale.
   iv. Identify the basis for the subcontract costs (e.g., firm quote or engineering estimate, etc.).
   v. Identify the cost or pricing data submitted by the subcontractor.
   vi. 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.

n. 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.)

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

2. **Proposal Review Information**

a. **Proposal Peer or Scientific Review Criteria**: Proposals will be reviewed through a Peer or Scientific Review process.

The following are the standard Proposal Peer or Scientific Review Criteria. The technical aspect, which is ranked as the first order of priority, shall be reviewed based on the following criteria that are of **descending** order of importance:

(1) **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.

(2) **Cost/Price:** The cost evaluation includes the realism of the proposed cost. Cost/Price is a substantial factor but ranked as the 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).

b. **Proposal Review and Selection Process**

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 Peer or Scientific Review, as well as importance to agency programs and funding availability.

(a) **Selectable:** Proposals are recommended for acceptance if sufficient funding is available.

(b) **Not Selectable:** Even if sufficient funding existed, the proposal should not be funded.

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.

2) No other evaluation criteria will be used.

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

4) As indicated in Section I.5.f. above, the Government will conduct a S&T Protection Initial Risk Review only for those Proposals categorized as Selectable and selected for funding and negotiations.

5) **Section K**: A completed Section K is required to be completed and submitted with the Proposal. See PACER BAA Attachment 3.

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. See PACER BAA Attachment 2.

3. Award Administration Information

1) **Award Notices:** Offerors will be notified whether their Proposal 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.

V. Other Information

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 One Step - Proposals shall be in accordance with the BAA, unless deviations are authorized in this call. Any perceived conflicts between the BAA and Call should be addressed with the Contract Specialist and Contracting Officer.

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.

3. **Proposal Reminders:** You may be ineligible for award if all requirements of this solicitation are not met.
   a. Proposals are due no later than the due date and time specified in the Call.
   b. Proposal Page limits are strictly enforced.

c. Proposals must be submitted in the format specified.
d. Proposals are due to the Contracting POCs identified in the Call.
e. Offerors other than small businesses must include a subcontracting plan.
f. Selectable Offerors must submit with their Proposals a completed Section K, Standard Form 424, and Security Program Questionnaire.

VI. Attachments

1. Contract Data Requirements List (CDRLs) A
2. Contract Data Requirements List (CDRLs) B
3. Statement of Objectives (SOO) dated 2 October 2024
4. Section H Clause- H0023- Wright Research Site Security Requirements

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	SCIENTIFIC AND TECHNICAL REPORTS	Final Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
XX	E	ONE/R	See Block 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	End of Tech Effort	See Block 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQON	1	1	0
AFRL/RQT-PM	1	1	0
15. TOTAL →	2	2	0

16. REMARKS

Block 4: Document format shall minimally conform to guidance described in the attached ANSI-based AFRL Format Guidelines. Include a completed Standard Form (SF) 298. If the Final Report contains data that is being delivered with less-than-unlimited rights, the data shall be appropriately marked within the Final Report.

NOTE: When the sensitivity of STINFO in draft and final deliverable documents meets the requirements of Controlled Unclassified Information (CUI) as dictated by EO 13556, "Controlled Unclassified Information," contractors must properly mark pages of their submitted documents with the acronym "CUI" at the top and bottom of each page and include the CUI designation indicator on the title page.

BLOCK 9: E: Distribution authorized to DoD components only. (Critical Technology). (15 July 2024). Other requests for this document shall be referred to AFRL/RQT.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Control Reform Act of 2018 (Title 50, U.S.C., Chapter 58, Sec. 4801-4852). Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

DESTRUCTION NOTE - Destroy... (continued on next page)

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

16. REMARKS *(Continued)*

by any method that will prevent disclosure of contents or reconstruction of the document.

NOTE: All digital files shall be encrypted or password protected in transmission; passwords shall be provided in a separate communication.

Block 10: The contractor shall deliver the Scientific and Technical Report, in final format, no later than the date specified in the Schedule. USAF will review and, if necessary, return the report with comments no later than the date specified in the Schedule. If the report is returned to the contractor with comments, the contractor shall deliver the publication-ready copy of the report no 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.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A002	FUNDS AND MAN-HOUR EXPENDITURE REPORT		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-FNCL-80331A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to allow contractor's format.

* At the close of the contractor's monthly accounting period.

** 25 days after Block 11 time.

BLOCK 9: B: Distribution authorized to US Government agencies only.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
/ACO	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKP	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A003	CONTRACTOR SPEND & EXPENDITURE REPORT		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-82355/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to allow contractor format.

* At the end of the contractor's monthly accounting period.

** 25 days after Block 11 time.

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

BLOCK 9: B: Distribution authorized to US Government agencies only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
/ACO	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKP	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A004	CONTRACT FUNDS STATUS REPORT (CFSR)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-81468A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	QRTLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	***

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.

* 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.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
/ACO	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKP	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A005	STATUS REPORT		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-80368A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	QRTLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
/ACO	0	1	0
AFRL/RQKP	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL	0	3	0

16. REMARKS

Tailored to allow contractor's format and to delete para 3.2.3.

Submit quarterly except when Final Report is due to be submitted, then omit this report.

* At the close of the contractor's quarterly accounting period.

** 25 days after Block 11 time.

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

BLOCK 9: E: Distribution authorized to DoD components only.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A006	PRESENTATION MATERIAL		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-ADMN-81373/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	*

16. REMARKS

Tailored to require only computer generated file.

ASREQ means as required to document topics under discussion at briefings and reviews.

* Submit at each briefing or review as appropriate.

Submit reproducible on media compatible with MS-Office for Windows.

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

BLOCK 9: E: Distribution authorized to DoD components only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	1
15. TOTAL →	0	1	1

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A007	TEST PLAN		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-NDTI-80566A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	N/A	**

16. REMARKS

Tailored to allow AFRL/RQT Test Planning Best Practice and to be submitted as Microsoft Word document.

ASREQ means as required to document plans for testing through out the technical effort.

* 60 days prior to each test.

Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt.

** Disapproval requires correction/resubmission within 15 days after receipt of Air Force comments.

NOTE: Testing shall not begin until after contractor receipt of Air Force approval to proceed with testing.

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

BLOCK 9: E: Distribution authorized to DoD components only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	1	1	0
15. TOTAL →	1	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A008	TEST / INSPECTION REPORTS		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-NDTI-80809B/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Tailored to allow contractor's format.

ASREQ means as required to document testing/inspection findings for the effort.

* Test completion.

** 30 days after Block 11.

BLOCK 9: E: Distribution authorized to DoD components only.

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A009	SYSTEM SAFETY HAZARD ANALYSIS REPORT (SSHA)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-SAFT-80101B/T	CSOW	AFRL/RQT

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	1TIME	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	N/A

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQON	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	2	0

16. REMARKS

Tailored to allow contractor's format and to require only the SSHA report.

* Submit at the Test Readiness Review.

BLOCK 9: E: Distribution authorized to DoD components only.

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A010	SCIENTIFIC AND TECHNICAL REPORTS	Detailed Research Plan (DRP)	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	*	R/ASR

16. REMARKS

Tailored to allow contractor's format, and
Block 10 is clarified so that distribution to DTIC
shall only be through Air Force distribution channels.

ASREQ means as required to document Detailed Research
Plans throughout the technical effort.

* Contract award date.

** Submit 60 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.

R/ASR means revisions as required to keep the
DRA up to date, make changes or
corrections; submit revisions as generated.
Revisions are subject to the above stated
approval/disapproval cycle.

BLOCK 9: E: Distribution authorized to DoD components
only.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	1	1	0
15. TOTAL →	1	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A011	OPERATING PROCEDURES FOR HAZARDOUS MATERIALS		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SAFT-80402/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	*

16. REMARKS

Tailored to allow contractor's format.

ASREQ means as required to document the operating procedures for all hazardous materials under this effort.

* Submit as generated.

BLOCK 9: E: Distribution authorized to DoD components only.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

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.**

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0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A012	DIGITAL IMAGING		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-81579/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	*

16. REMARKS

ASREQ means as required to document progress through out the effort via digital imaging.

* Submit as generated.

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

BLOCK 9: E: Distribution authorized to DoD components only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A013	OPERATIONS SECURITY (OPSEC) PLAN		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-80934C/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ONE/R	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	*	R/ASR

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	1	1	0
15. TOTAL →	1	1	0

16. REMARKS

Tailored to allow contractor format.

* Contract award date.

** 30 days after Block 11.

Approval/disapproval by letter from the Air Force Program Manager within 30 days after receipt.

*Disapproval requires correction/resubmission within 15 days after receipt of Air Force comments.

R/ASR means revisions as required to keep the OPSEC Plan up to date, make changes or corrections; submit revisions as generated. Revisions are subject to the above stated approval/disapproval cycle.

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

BLOCK 9: E: Distribution authorized to DoD components only.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A014	RISK MANAGEMENT STATUS REPORT	Risk Management Assessment Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-81809/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	QRTLY	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	**

16. REMARKS

Tailored to allow contractor format.

* At the end of the contractor's monthly accounting period nearest the end of the government's fiscal year quarter.

** 25 days after Block 11 time.

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

BLOCK 9: E: Distribution authorized to DoD components.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A015	CONTRACT WORK BREAKDOWN STRUCTURE		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-81334D/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ONE/R	**

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	R/ASR

16. REMARKS

Tailored so that the CWBS shall be in accordance with the Statement of Work and completion of the integrated baseline review if applicable per the Government, to ensure that the Government agrees with the scope of the work packages, that every task is addressed and has adequate oversight, and that every task has adequate resources allocated.

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 document Air Force required changes or changes requested by the contractor to keep the CWBS up to date; changes and revisions to the CWBS shall be accompanied by appropriate changes and/or revisions to the index and the dictionary. The contractor shall incorporate Air Force required changes within 30 days after receipt.

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

BLOCK 9: B: Distribution authorized to US Government agencies only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
/ACO	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKPC	0	1	0
AFRL/RQT-PM	0	1	0
15. TOTAL →	0	4	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A016	Program Protection Implementation Plan (PPIP)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-ADMN-81306/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	N/A	R/ASR

16. REMARKS

Tailored as follows: Paragraph 7.1 is tailored to read requirements set forth in DoDI 5000.02. Omit from 7.2 DOD 5000.2-M. There will be an appendix to the PPIP titled Anti-Tamper Recommendation Report.

* 60 days after receipt of signed "Technology Protection Plan".

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 keep the PPIP up to date, make changes or corrections; submit revisions as generated. Revisions are subject to the above stated approval/disapproval cycle.

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

BLOCK 9: E: Distribution authorized to DoD components only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	1	1	0
15. TOTAL →	1	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A017	System Architecture Model (SAM)		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-82400	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	ANNLY	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	CONTRACT AWARD	*

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT/PM	0	1	0
15. TOTAL →	0	1	0

16. REMARKS

Tailored to allow contractor's format.

BLOCK 9: E: Distribution authorized to DoD components only.

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

* Submit annually from contract award date

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A018	SCIENTIFIC AND TECHNICAL REPORTS	R&R Annual Update	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW	AFRL/RQT	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	E	*	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	** R/ASR

16. REMARKS

Complete the AFRL "Research and Related Senior/Key Person Profile" template as provided in Appendix 3 of the solicitation.

Include the contract number in the subject line for email delivery.

* The contractor shall submit this document within thirty (30) days after the completion of every twelve (12) months of contract performance.

** 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 R&R Annual Update up to date, make changes or corrections; submit revisions as generated.

BLOCK 9: E: Distribution authorized to DoD components only.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT	0	1	0
AFRL/RQ/Security	0	1	0
15. TOTAL	0	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	28-FEB-2023		

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.

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
B001	SCIENTIFIC AND TECHNICAL REPORTS	Final Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80711A/T	CSOW		

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
XX	D	ONE/R	See Block 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	End of Tech Effort	See Block 16

16. REMARKS

Block 4: Document format shall minimally conform to guidance described in the attached ANSI-based AFRL Format Guidelines. Include a completed Standard Form (SF) 298. If the Final Report contains data that is being delivered with less-than-unlimited rights, the data shall be appropriately marked within the Final Report.

NOTE: When the sensitivity of STINFO in draft and final deliverable documents meets the requirements of Controlled Unclassified Information (CUI) as dictated by EO 13556, "Controlled Unclassified Information," contractors must properly mark pages of their submitted documents with the acronym "CUI" at the top and bottom of each page and include the CUI designation indicator on the title page.

BLOCK 9: D: Distribution authorized to DoD and US DoD contractors only. (Critical Technology) (16 July 2024). Other requests for this document shall be referred to AFRL/RQT.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Control Reform Act of 2018 (Title 50, U.S.C., Chapter 58, Sec. 4801-4852). Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

DESTRUCTION NOTE... (continued on next page)

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQON	1	1	0
AFRL/RQT-PM	1	1	0
15. TOTAL →	2	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	15-JUL-2024		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

16. REMARKS *(Continued)*

- Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

NOTE: All digital files shall be encrypted or password protected in transmission; passwords shall be provided in a separate communication.

Block 10: The contractor shall deliver the Scientific and Technical Report, in final format, no later than the date specified in the Schedule. USAF will review and, if necessary, return the report with comments no later than the date specified in the Schedule. If the report is returned to the contractor with comments, the contractor shall deliver the publication-ready copy of the report no 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.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER N/A REF: DOD 5010.12-M
0001	A	

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
B002	PRESENTATION MATERIAL		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-ADMN-81373/T	CSOW		

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	D	ASREQ	*

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	*	*

16. REMARKS

Tailored to require only computer generated file.

ASREQ means as required to document topics under discussion at briefings and reviews.

* Submit at each briefing or review as appropriate.

Submit reproducible on media compatible with MS-Office for Windows.

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

BLOCK 9: D: Distribution authorized to DoD and US DoD contractors only.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQT-PM	0	1	1
15. TOTAL →	0	1	1

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Chase A. Nessler AFRL/RQT (937) 255-6832	15-JUL-2024		

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.

STATEMENT OF OBJECTIVES

Pioneering Aerospace Capabilities, Engineering and Research (PACER)
Aggressive Embedded Propulsion & Operability (AEPO)

28 October 2024

The Contractor shall perform in accordance with Statement of Objectives entitled "Pioneering Aerospace Capabilities, Engineering and Research (PACER): Aggressive Embedded Propulsion & Operability (AEPO)" dated 2 October 2024, hereinafter "SOO".

The SOO is CONTROLLED UNCLASSIFIED INFORMATION (CUI) and is only available to qualified US contractors, as defined by DoDD 5230.25 (which established the certified DD Form 2345, Militarily Critical Technical Data Agreement, as the mechanism for certifying qualified U.S. Contractors). For more information on establishing eligibility, please refer to DoDD 5230.25 and the Joint Certification Program, both of which can be accessed from:
http://www.dla.mil/HQ/InformationOperations/Offers/Products/LogisticsApplications/JCP.aspx

Because of CUI restrictions, the SOO is not being directly attached to the AEPO Solicitation. Qualified U.S. contractors must request a copy of the SOO by contacting the POCs below and attaching a certified current DD Form 2345. Upon confirmation of eligibility, the SOO will be provided via the DoD Safe Website and provide a separate password to decrypt the file.

SOO POCs:

Peter Seiley
Contracting Officer AFRL/RQKPB
E-mail address: peter.seiley@us.af.mil

Eric Carretta
Contracting Officer AFRL/RQKPB
E-mail address: eric.carretta@us.af.mil

Dylan Steinke
Contract Specialist AFRL/RQKPB
E-mail address: dylan.steinke@us.af.mil

Chase Nessler
Aerospace Engineer AFRL/RQTT
E-mail address: chase.nessler.1@us.af.mil

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 flop 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)