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

CALL Name: Hypersonic Affordable Mass Weapon Concepts (HAMWC)

Related Notice of Contracting Action:
Rapid Maturation and Demonstration of Hypersonic Weapon Concepts

16 March 2026

OVERVIEW INFORMATION

Broad Agency Announcement Type: This is a Two-Step Call against the PACER BAA FA2391-23-S-2403. The First Step is a Call for White Papers only. 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 three months after the due date for Proposals, no White Papers submitted during the PACER BAA Open Period covering the topic specified in this Call, Topic: RQH-25-5 - Vehicle Integration and Analysis.

DUE DATE AND TIME:

First Step: *WHITE PAPER* DUE DATE AND TIME: **30 April 2026, 3:00 P.M**. local time, Wright-Patterson AFB, OH. Only White Papers are due at this time.

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

Second Step: *PROPOSAL* DUE DATE AND TIME: To be provided in the Request for Proposal (RFP) sent to offerors that submit White Papers considered to meet the needs of the Air Force and selected for RFP. **Only White Papers are due at this time.**

Submission: ***Electronic submission is required.*** White Papers must be submitted using DoD SAFE to the Primary Contracting Point of Contacts (POCs): 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 Eric Carretta and Dylan Steinke by email at least 4 calendar days prior to White Paper due date.
The maximum email file size the Government can receive is 8 GB. Multiple submissions may be needed to facilitate delivery. 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).

Alternate submital Options:

Unclassified information may be sent to the organizational email box at: AFRL.RA.Proposals@us.af.mil.

Collateral information may be sent electronically or physically (adhering to secure mailing standards) to the following mailing address:

ATTN: Lt. Col. Isaac Putnam
AFRL/RQ
2130 8th street
WPAFB, OH 45433

For secure electronic (SIPR) delivery, contact the PCO for appropriate email address. If at any time a vendor is unsure of appropriate methods for transmission, choose a secure method to avoid security spillage possibilities.

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 (See PACER BAA Attachment 1 for Supplemental Instructions for Assistance Instrument Proposals). 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 Firm Fixed Price (FFP), *Firm Fixed Price (FFP) with schedule incentive and *Cost Plus Fixed Fee (CPFF) with schedule and/or performance incentive CLINs anticipated.** At the discretion of the offeror, Cost Plus Fixed Fee (CPFF), Cost Share, or any other award type deemed appropriate will also be considered. 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.

***See Attachment 5 for FFP and CPFF Schedule and/or Performance Incentive Details.**

Estimated Total Program Cost: AFRL anticipates that the cost for the foundational baseline effort should fall within a range of $750,000 - $1,250,000. This is an estimate only and proposals are not restricted to this range. The estimated total program cost is not being provided. Potential offeror's should provide their best estimate of costs in their proposal based on the provided SOO and desired Key Performance Parameters (KPPs) (Classified Secret).

Anticipated Number of Awards: The Air Force anticipates ~ 8 awards for this Call with subsequent optional sprints. 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 availability.

Brief Program Summary:
As the threat space evolves, a clear and present need emerges for the United States' industrial base to rapidly design, affordably manufacture, and flight demonstrate meaningful long-range hypersonic warfighter capabilities. These concepts should provide the capability to hold time-sensitive targets at risk from long-range, standoff positions.

The objectives of this program are to design and demonstrate affordable and producible hypersonic weapon concepts through a multi-vendor, phased research and development (R&D) activity. The primary objective of this activity is to explore the lowest cost solutions that are rapidly producible and meet the minimum required speed, range, and payload. This activity will integrate mature, innovative technologies from conceptual design to flight demonstration, with the intent to select and fly at least two vehicle concepts. To maximize program execution speed, and preserve flexibility for phased maturation, the program will be executed utilizing options to structure the phased sprints. The Government intends to award baseline contracts (with a base period/option for foundational work, e.g., kickoff, conceptual development, preliminary manufacturing plan, and risk assessment) to multiple qualified vendors through competitive selection.

Subsequent optional sprints (e.g. Sprint 1: PDR, Sprint 2: CDR, Sprint 3: Manufacturing and Prototyping Demonstration, Sprint 4: Flight Test) will be exercised via separate contract options. If sprint 4 is exercised and successful flight test is achieved, the contract may mature to include related within scope additions for producibility and test production and to conduct a manufacturing readiness assessment with an objective to demonstrate manufacturability and scalability toward twenty (20) AURs per month for representative hardware, enabling affordable production for ground/flight testing, qualification, and/or incremental modular performance enhancements.

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

Contracting POCs:
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

All communication after solicitation release must be in writing to maximum extent practical. Dialogue between prospective offerors and Government representatives is encouraged until submission of White Papers. Discussions with any of the points of contact shall not constitute a commitment by the Government to subsequently fund or award any proposed effort. Only Contracting Officers are legally authorized to commit the Government.

FULL TEXT ANNOUNCEMENT

I. Program Description: Air Force Research Laboratory, AFRL/RQT, Turbine Engine Division, is soliciting White Papers on the following research effort:
Hypersonic Affordable Mass Weapon Concepts (HAMWC)

1. Statement of Objectives:
See Attachment 1 for the Statement of Objectives (SOO) Distribution Statement D version cover page and the complete Distribution Statement A version. This effort falls within the PACER BAA (FA2391-23-S-2403), Technical Objective Area, Topic: RQH-25-5 - Vehicle Integration and Analysis: Research and development to facilitate the design, analysis, and integration of high-speed vehicles and develop concepts of operation and assessment of the military utility analysis of durable, expendable or reusable high-speed systems. Robust model-based systems engineering and digital engineering approaches should be utilized to support the requirements, design, analysis, test, verification, and validation associated with the development of high-speed systems. Research efforts should address enabling processes such as materials and manufacturing, military utility analysis, digital engineering/digital material management and test.

The following HAMWC requirements documents are Controlled Unclassified Information (CUI) and as a result cannot be attached directly to this Call:

- **The Statement of Objectives (Distribution Statement D version)**
- **DD Form 254**
- **Program Specific Protection Plan (PSPP)**
- **Associated Security Classification Guides (SCGs)**

Offerors should submit requests for CUI documents from the Government Contracting POC (identified above) within 2 weeks of the Call posting date. 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 CUI documents via DoD SAFE to the potential offeror(s). Offerors are encouraged to ensure the secuirty parameters for the project are fully understood prior to submitting any documentation/proposals to the government.

The Key Performance Parameters (KPPs) are classified (secret) and must be requested. Therefore, potential offerors are required to have the appropriate Facility Clearance (FCL) and Safeguarding necessary to support classified work before classified KPPs will be provided.

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 the overall contract ceiling amount.

3. **Deliverable Items:**
   a. **Data Items:** Contract Data Requirements List (CDRL): See Attachment 2 of this Call for the applicable CDRLs.
   b. **Hardware:** Hardware deliverables are not anticipated for this effort.
   c. **Software:** Software deliverables are not anticipated for this effort.

4. **Schedule:**
   a. Base Program Overall Period of Performance (PoP): 48 months
   b. Base Program Technical PoP: 45 months
   c. Base Program Reporting: 3 months
   d. Overall PoP w/ all Option exercised: 48 months

Hypersonic Affordable Mass Weapon Concepts (HAMWC)	Overall PoP	Technical PoP	Final Reporting	Anticipated No Later Than (NLT) Award
Foundational Baseline	48 months	45 months	3 months	At Contract Award
Optional Sprint 1: Preliminary Design	6 months	3 months	3 months (Delivered with CLIN 0001)	No Later Than 9 months after Contract Award
Optional Sprint 2: Critical Design	6 months	3 months	3 months (Delivered with CLIN 0001)	No Later Than 18 months after Contract Award
Optional Sprint 3: Manufacturing and Prototyping Demonstration	9 months	6 months	3 months (Delivered with CLIN 0001)	No Later Than 24 months after Contract Award
Optional Sprint 4: Flight Test	9 months	6 months	3 months (Delivered with CLIN 0001)	No Later Than 30 months after Contract Award

*The no later than (NLT) award dates listed above are an estimate of when the Options may be exercised. However, AFRL reserved the right to exercise the Options at anytime during the active Baseline technical period of performance.

5. **Other Requirements:**
   a. Program Security Classification: Secret. See Attachment 4 for the Solicitation 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-Controlled Items: As prescribed by DFARS 225.7901-4, DFARS 252.225-7048, “Export-Controlled Items (JUN 2013)” shall be contained in ALL resulting

contracts. The contractor must have an active DD Form 2345, Militarily Critical Technical Data Agreement, and a NIST 800-171 assessment in SPRS.

d. Contractor Performance Assessment Reporting System (CPARS) may apply to contract awards resulting from this 2-Step Call if determined to be in the best interest of the government. Interim and final evaluations of contractor performance for contract awards will be prepared in accordance with AFFARS 5342.1503. The final performance evaluation will be prepared at the time of completion of work. In addition to the final evaluation, interim evaluation(s) will be prepared annually. CPARS will be conducted per contract. Awardees will be requested to provide a POC to receive notifications of the opportunity to provide feedback. The contractor will be permitted 14 days to review the document and to submit additional information or a rebutting statement. If agreement cannot be reached between the parties, the matter will be referred to an individual one level above the Contracting Officer, whose decision will be final. Copies of the assessments, contractor responses, and review comments, if any, will be retained as part of the contract file, and may be used to support future award decisions for other procurements.

e. Science and Technology (S&T) Protection: See PACER BAA Attachment 11: Security Risk Review – AFRLI 61-113. However, 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 & does not provide adequate protection of S&T information, the Government may reject the proposal & withdraw it from consideration for award.

6. Other Information:

a. Government Furnished Property (GFP): Potential offerors should propose GFP as needed to complete the contract. S-Vision and High Performance Computing Clusters (HPC) are offered as GFP. If required, GFP must be identified in the White Paper. In accordance with FAR 45.201(b), the contractor is responsible for all costs related to making the property available for use, such as payment of all transportation, installation or rehabilitation costs.

b. Government Furnished Information (GFI) and/or Software: Digital Reference Architectures are offered as GFI.

c. Contractor Acquired Property (CAP): Potential for CAP per proposal.

d. Base Support/Network Access: None anticipated. If required must be identified in white paper.

e. Data Rights:

1) Technical Data: Unlimited desired for Interface Control Documents (ICDs). GPR will be considered on a case-by-case basis.
2) Non-Commercial Software (NCS): N/A
3) NCS Documentation: N/A
4) Commercial Computer Software Rights: N/A

Unlimited rights are desired. In accordance with DFARS 252.227-7013(c)(1), the government shall have unlimited rights for all form, fit, and function data. "Form, fit, and function data" means technical data that describe the required overall physical, functional, and performance characteristics (along with the qualification requirements, if applicable) of an item, component, or process to the extent necessary to permit identification of physically and functionally interchangeable items. 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 August 2026.

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

III. Eligibility Information:

Eligibility Information: See PACER BAA Para. III (FA2391-23-S-2403) for Eligibility Information. Foreign Industry participation is not authorized at the prime contractor level. Foreign Nationals employed by the prime will be limited to public domain information only.

IV. Proposal Submission Information

Overview: This Call is a Two-Step Call. For a Two-Step Call, White Papers will be solicited, and subsequent RFPs may follow after White Paper Reviews.

1. FIRST STEP – White Paper Instructions

a. **General Instructions:** The **FIRST STEP** requests a White Paper and a rough order of magnitude (ROM) cost. The White Paper shall include a discussion of the nature and scope of the research and the offeror's proposed technical approach. The Government will review the White Papers in accordance with the FIRST STEP White Paper Review Criteria, set forth in Section IV.3.a. below. Based on this review, the Government will determine whether the White Paper has the potential to best meet the Air Force's needs. Those offerors submitting White Papers assessed as meeting Air Force needs will be asked to submit a Technical and Business/Cost proposal. White Papers will remain eligible for Government review for 1 year from the date of submission during which time the offeror may receive written communication from

the Contracting Officer requesting a proposal. An offeror submitting a proposal without first submitting a White Paper **will not** be eligible for an award. The cost of preparing White Papers in response to this Solicitation 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.

Reminder: Electronic submission is required. White Papers must be submitted using DoD SAFE to the Primary Contracting Point of Contacts (POCs): 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 Eric Carretta and Dylan Steinke by email at least 4 calendar days prior to White Paper due date.

b. Page Limitation: The White Paper shall be limited to **15 pages.** White Papers shall be prepared and submitted in Word format. Font shall be standard 10-point business font Arial. Character spacing must be "normal," not condensed in any manner. Pages shall be double-spaced (must use standard double-space function in Microsoft Word), 8.5 by 11 inches, with at least one-inch margins on both sides, top and bottom. All text, including text in tables and charts, must adhere to all font size and line spacing requirements listed herein. Font and line spacing requirements **do not** have to be followed for illustrations, flowcharts, drawings, diagrams, cover page, table of contents, and restrictive/proprietary markings (in header or footer). These exceptions shall not be used to circumvent formatting requirements and page count limitations by including lengthy narratives in such items. Pages shall be numbered starting with the cover page being **Page 1**, and the last page being no greater than **Page 15**. 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. The Government will not consider pages in excess of these limitations.

c. Format: The white paper will be formatted as follows:
   1) Section A: BAA Number, Title of Program, Topic Number, Name of Company, Business Size, Company's Commercial and Government Entity (CAGE) number, Dun & Bradstreet (D&B) Data Universal Numbering System (DUNS) number, Unique Entity Identifier (UEI) number, Contracting POC and Technical POCs with appropriate telephone numbers, and email addresses for the POCs. For submissions that will result in classified work, add the following information: Classified level at which company is cleared, contractor address for forwarding classified material (name, address, zip code), cognizant security office (name, address, zip code), and offeror's security officer's name and telephone number).
   2) Section B: Period of Performance and Task Objectives;
   3) Section C: Technical Summary and Proposed Deliverables; and
   4) Section D: Cost of Task (Rough Order of Magnitude (ROM))
   5) Section E: A Certified DD Form 2345, Military Critical Technical Data Agreement. This does not count towards page count limitations.

d. Technical Portion: The technical portion of the White Paper shall include a discussion of the nature and scope of the research and the offeror's proposed technical approach/solution. It may also include any proposed deliverables. Resumes, descriptions of facilities and equipment, and a proposed Statement of Work are not required at this point.

e. Cost Portion: The cost portion of the White Paper shall include a ROM cost estimate. No detailed price or cost support information should be included; only a time-phased bottom line figure should be provided.

f. Other Information: If the offeror wishes to restrict its White Papers, they must be marked with the restrictive language stated in FAR 52.215-1(e).

g. White Paper Content Summary: You may be ineligible for award if all requirements of this solicitation are not met on the due date.

2. SECOND STEP – Proposal Instructions

a. **General Instructions:**

1) The **SECOND STEP** consists of offerors submitting Technical and Cost/Business Proposals within **45 calendar days** of an RFP. After receipt, Proposals will be evaluated in accordance with the award criteria in Section IV.3.b. below. Proposals will be categorized and subsequently selected for negotiations.

NOTE: AFRL plans to hold a Technology Interchange Meeting (TIM) within 7 days of RFP release. The time, date and location will be identified in the RFP and may be subject to change based on Government availability. The purpose of this TIM is to review and address questions regarding the RFP. Once the RFP is received, please indicate your organization's interest in participating in this TIM as soon as possible 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, instructions to participate in the meeting will be provided thereafter.

TIM POCs:
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

Lt. Col. Isaac Putnam
Program Manager AFRL/RQHV
E-mail address: isaac.putnam@us.af.mil

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.

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.
   a. 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.).

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

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.

Guidance on Teaming: Partnerships with new or emerging manufacturing-focused companies that bring innovative capabilities not represented in prior project or program cycles are highly encouraged. Proposed partners should be organizations that have not previously collaborated with the submitting offeror and are not large or established enterprises. The Government intent is to introduce fresh industry entrants, early-stage manufacturers, or small businesses offering novel technologies, processes, or expertise that expand the program's innovation landscape. In addition, partners must be able to operate in classified environments or have the potential to do so. For emerging companies that do not yet have the required clearances or infrastructure in place, the government will support and guide partners through the process of becoming

eligible to work in secure or classified spaces and obtain their Facility Clearance Levels (FCL) and safeguarding as needed.

b. **Technical/Management Proposal:**

1) Page Limitations: The following describes proposal page limitations:
   a. The Technical/Management Proposal shall be limited to **50 pages**. 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 **20** 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. ***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 $2,500,000.00, submission of certified cost or pricing data may be required.

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 3 of this Call.

Additionally, the following FAR and DFARS clauses are applicable and will be included in any awarded contract:

- FAR 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Nov 2021)
- FAR 52.244-6, Subcontracts for Commercial Products and Commercial Services (Mar 2025) (Deviation 2025-O0003)
- DFARS 252.204-7018, Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services (Jan 2023)
- DFARS 252.204-7020, NIST SP 800-171 DOD Assessment Requirements (Nov 2023)
- DFARS 252.225-7058, Postaward Disclosure of Employment of Individuals Who Work in the People's Republic of China (Jan 2023)
- DFRAS 252.225-7967, Prohibition Regarding Russian Fossil Fuel Business Operations (Deviation 2024-O0006, Revision 1) (Feb 2024)

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 $900,000, Subcontracting Plans shall be submitted in the cost/business proposal. Reference FAR 19.704 and DFARS 219.704 for subcontracting plan requirements. Small business concerns are exempt from this requirement. If an IDIQ contract arrangement is anticipated, the basis for the subcontracting plan should reflect the entire ceiling amount.

f. Limitations on Pass-Through Charges: As prescribed in FAR 15.408(n)(1) & 15.408(n)(2), provisions 52.215-22, "Limitations on Pass Through Charges- Identification of Subcontract Effort (Oct 2009)," apply.

g. Completed Certifications and Representations (Section K) are due with the Proposal. Certifications and Representations (Section K) 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.

3. White Paper/Proposal Review Information

a. **FIRST STEP – White Paper Peer or Scientific Review Criteria**: Those offerors submitting White Papers as assessed as meeting Air Force needs will be asked to submit a Proposal (Second Step). Offerors not selected to proceed will be notified of the disposition of their White Paper. The Government will review White Papers to determine which of them have the potential to best meet the Air Force's needs based on the following criteria, which are listed in **descending** order of importance:

1) 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.

2) The offeror's understanding of the scope of the technical effort.

3) Soundness of the offeror's technical approach.

4) Affordability (Proposed ROM Cost Estimate).

b. **SECOND STEP – 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).

c. **SECOND STEP – 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) Additional terms, conditions, and instructions applicable to the Second Step – Proposal will be sent with the RFP.

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

7) **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.

4. 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 First Step - White Papers/Second 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. **White Paper/ Proposal Reminders:** You may be ineligible for award if all requirements of this solicitation are not met.
   a. White Papers are due no later than the due date and time specified in the Call.
   b. If selected to provide a Proposal, Proposals are due no later than the due date and time specified in the RFP.
   c. White Paper and Proposal Page limits are strictly enforced.
   d. White Papers and Proposals must be submitted in the format specified.
   e. White Papers are due to the Contracting POCs identified in the Call.
   f. Offerors other than small businesses must include a subcontracting plan.

g. Selectable Offerors must submit with their Proposals (Second Step) a completed Section K, Standard Form 424, and Security Program Questionnaire.

VI. Attachments

1. Statement of Objectives (SOO) (Distribution Statement D / CUI version) Cover Page and complete SOO (Distribution Statement A version) dated 5 March 2026
2. Contract Data Requirements List (CDRLs)
3. Section H Clause- H0023- Wright Research Site Security Requirements
4. Solicitation DD Form 254 (CUI version) Cover Page
5. Contract Incentives Description

STATEMENT OF OBJECTIVES (SOO)

SOO (Distribution D / CUI version) COVER PAGE ONLY
SOO (Distribution A version) Attached

Pioneering Aerospace Capabilities, Engineering and Research (PACER)
Hypersonic Affordable Mass Weapon Concepts (HAMWC)

5 March 2026

The Contractor shall perform in accordance with Statement of Objectives entitled "Pioneering Aerospace Capabilities, Engineering and Research (PACER): Hypersonic Affordable Mass Weapon Concepts (HAMWC)" dated 5 March 2026, hereinafter "SOO".

Access to the complete Statement of Objectives (SOO) for this solicitation is restricted. The complete SOO (Distribution Statement D version) 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 Distribution Statement D version of the SOO is not being directly attached to the HAMWC Solicitation. Qualified U.S. contractors must request a copy of this version of the SOO by contacting the POCs listed 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.

A publicly releasable version of the Statement of Objectives (SOO), designated as Distribution Statement A, is provided below. Please note that this is an excerpt, only containing unclassified technical information that has been approved for public release. The Distribution Statement D version of the SOO must be formally requested as instructed above.

SOO POCs:

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

Lt. Col. Isaac Putnam
Program Manager AFRL/RQHV
E-mail address: isaac.putnam@us.af.mil

STATEMENT OF OBJECTIVES (SOO) **5 March 2026**
Hypersonic Affordable Mass Weapon Concepts (HAMWC)
Distribution Statement A. Approved for public release, distribution unlimited.

Background

As the threat space evolves, a clear and present need emerges for the United States' industrial base to rapidly design, affordably manufacture, and flight demonstrate meaningful long-range hypersonic warfighter capabilities. These concepts should provide the capability to hold time-sensitive targets at risk from long-range, standoff positions. This Statement Of Objectives (SOO) describes the technical effort to be performed by the Contractor(s) in support of the Hypersonic Affordable Mass Weapon Concept (HAMWC).

1.0 Objectives

The objectives of this program are to design and demonstrate affordable and producible hypersonic weapon concepts through a multi-vendor, phased research and development (R&D) activity. The primary objective of this activity is to explore the lowest cost solutions that are rapidly producible and meet the minimum required speed, range, and payload. This activity will integrate mature, innovative technologies from conceptual design to flight demonstration, with the intent to select and fly at least two vehicle concepts. To maximize program execution speed, and preserve flexibility for phased maturation, the program will be executed utilizing options to structure the phased sprints. The Government intends to award baseline contracts (with a base period/option for foundational work, e.g., kickoff, conceptual development, preliminary manufacturing plan, and risk assessment) to multiple qualified vendors through competitive selection.

Subsequent optional sprints (e.g. Sprint 1: PDR, Sprint 2: CDR, Sprint 3: Manufacturing and Prototyping Demonstration, Sprint 4: Flight Test) will be exercised via separate contract options. If sprint 4 is exercised and successful flight test is achieved, the contract may mature to include related within scope additions for producibility and test production and to conduct a manufacturing readiness assessment with an objective to demonstrate manufacturability and scalability toward twenty (20) all-up-rounds (AUR) per month for representative hardware, enabling affordable production for ground/flight testing, qualification, and/or incremental modular performance enhancements.

The Government may exercise some, none, or all optional tasks via unilateral task order modifications. The effort includes design maturation, prototyping, and demonstration, with milestones for reviews and potential selection for the optional sprints. The period of performance for the baseline contract ordering period is 48 months, with deliverables supporting potential technology transition. This effort does not include production or operational fielding.

2.0 Applicable Documents

- High Speed Technology Development Security Classification Guide. Document dated 08 March 2021
- Hypersonic Affordable Mass Weapon Concepts Program Specific Protection Plan
- System Level Attributes for Hypersonic Affordable Mass Weapon Concept

3.0 Requirements

Section 3.1 defines the requirements of the foundational baseline program meant to represent an operational HAMWC. Section 3.2 lists the optional tasks associated with the demonstration of key HAMWC technologies, of which the government may exercise some, none, or all the optional tasks. Section 3.3 lists the conceptual functional requirements. Sections 3.4 and 3.5 detail the program's emphasis on design for affordable producibility and manufacturing assessment activities. The government reserves the right to award multiple baseline contracts and holds unilateral discretion to award/exercise Options at Authority To Proceed (ATP) transitions, evaluating factors such as technical progress, cost realism, schedule adherence, and innovation. Baseline vendors are not guaranteed to be awarded all Options (Sprints), but all baseline vendors may be reconsidered for subsequent sprints upon voluntary submission of IRAD-supported updates.

The effort anticipates multiple vendors in the foundational baseline phase (Section 3.1) with optional selects (Section 3.2) at every ATP based on performance, technical merit, risk, and funding availability. All baseline vendors may voluntarily submit updated information for reconsideration at ATPs if pursuing IRAD as depicted in Figure 1. The period of performance is 48 months, with deliverables tied to Contract Data Requirements Lists (CDRLs) as specified. This may also include optional prototyping production.

3.1 Foundational Baseline Program

The Contractor shall perform the following foundational tasks as the baseline effort for all awarded vendors, and plans should be submitted as part of the Contractor's full proposal. These tasks establish initial concepts, conceptual designs, flight article manufacturing plan, and risks associated with the technical maturity, manufacturability, and feasibility of meeting aggressive affordability and schedule requirements.

3.1.1 Baseline Configuration

The Contractor should conduct a review of existing, mature technologies which, properly integrated, support the aerodynamic, thermodynamic and mechanical design, fabrication and testing of a Hypersonic Affordable Mass Weapon Concept (HAMWC) that meets the functional requirements defined in Section 3.3. Contractors should detail how the baseline configuration achieves an objective target per-unit cost < $1M per AUR.

3.1.2 Technical Approach Definition

The Contractor(s) should conduct a review of the technical approach and methodology(s) to be used to meet flight performance requirements to include implementation of digital engineering practices throughout the effort, including model-based systems engineering (MBSE), digital twins where applicable, and preparation for Modular Open Systems Architectures (MOSA) with Weapon OSA (WOSA) compatibility.

3.1.3 Flight Article Producibility

The Contractor should study and assess the feasibility of manufacturing low-cost flight-capable hardware, suitable for the HAMWC demonstration, including consideration of production scalability for representative components or subsystems at maturity.

To maximize manufacturing agility, affordability, and scalability, offerors are encouraged to propose innovative advanced digital manufacturing techniques (such as but not limited to additive manufacturing, hybrid processes, automated assembly, precision casting, or other suitable methods) that enable rapid design iteration, part consolidation, complex geometries, reduced lead times, minimized waste, and cost-effective transition to higher-rate production. Proposals should demonstrate thoughtful design-for-manufacturability, including strategic selection and transition between manufacturing methods to optimize performance, producibility, and lifecycle costs.

The effort is not necessarily limited to full vehicle flight demonstration. Offerors are encouraged to propose parallel or alternative paths, such as focused component- or subsystem-level maturation with ground-based testing only, to demonstrate highly producible solutions that could support the overall program objectives or enable technology transition.

The Contractor should document their proposed manufacturing approach, including rationale for technique selection, materiel considerations, process controls, qualification strategies, and alignment with relevant aerospace standards (e.g. FSB-25-01, NASA-STD-6030, MIL-STD-1587F or equivalents), highlighting how the approach supports accelerated maturation, risk reduction, and future production affordability.

3.1.4 HAMWC Demonstration

The Contractor should derive a simplified demonstrator vehicle from the HAMWC baseline configuration and define a test campaign to demonstrate attributes such as critical manufacturing processes, component performance, and system requirements. At a minimum, the demonstration should validate the system range, speed, and accuracy requirements as defined in Section 3.3.

3.1.5 Risk Mitigation Plan

The Contractor should assess and provide as part of the proposal the risks associated with meeting the objectives of the optional tasks listed in Section 3.2.

3.1.6. Submit Baseline Deliverables per CDRLs

The Contractor should submit the proposed technical approach, innovations in digital engineering and additive manufacturing for maturation, risk mitigation strategy, and rough-order-of-magnitude (ROM) cost/schedule, aligned with program objectives and anticipated data rights sharing. If encouraged, the Contractor commits to full compliance with tailored CDRLs for all baseline, recurring, and event-driven deliverables to support Government oversight, vendor collaboration, and program execution throughout the optional tasks.

3.2 Optional Tasks

The following task orders are optional and may be exercised individually or in combination via contract modification. Each sprint builds on prior work, with potential for reconsiderations at ATP decision points between sprints based on government evaluation of technical progress, risk, cost, and innovation. Baseline vendors may submit IRAD-supported updates at every ATP for reconsideration. All sprints shall apply digital engineering and

MOSA principles, including documentation of open interfaces, modularity, and WOSA compatibility and shall include Government Purpose Rights (GPR).

3.2.1 Optional Sprint 1: Preliminary Design

The Contractor(s) shall mature conceptual designs to Preliminary Design Review (PDR) level, including refined architecture, analyses, simulations, updated risks, and PDR presentation. Milestone: PDR (3 months after contract award).

3.2.2 Optional Sprint 2: Critical Design

The Contractor(s) shall advance to Critical Design Review (CDR) level, detailing components, integration plans, subsystem verification, and design data packages. Milestone: CDR (6 months after contract award).

3.2.3 Optional Sprint 3: Manufacturing and Prototyping Demonstration

The Contractor(s) shall fabricate components, assemblies, and produce prototypes for which to conduct ground testing/demonstrations, and address manufacturing risks. Milestone: Prototyping Demonstration (12 months after contract award).

3.2.4 Optional Sprint 4: Flight Test

The Contractor(s) shall produce at least one flight test vehicle(s), integrate all systems, conduct safety/range coordination, and perform flight tests on two vehicles and collect and analyze data. Milestone: Flight ready (18 months after contract award).

3.3 Functional System Requirements

[Reserved]

3.4 Design for Affordable Producibility

The contractor shall conduct a Component/Supplier Risk Assessment (CSRA) using the MS Excel-based CSRA Tool provided by the government, or an equivalent approach which can objectively identify materials, components, or processes which pose program risks in terms of manufacturing maturity, producibility, or cost to meet program objectives and requirements.

For each component rated at medium or high risk in the CSRA, the contractor shall develop and execute a manufacturing risk mitigation plan. Status of all risk mitigation plans will be presented at all program reviews.

The contractor shall conduct a system level MRA following the guidance of the DoD Manufacturing Readiness Assessment Deskbook. Prior to the system level MRA, the contractor shall conduct subcontractor MRAs at critical suppliers. For subcontractor and system-level MRAs, the government program team will be invited to participate.

3.5 Manufacturing Assessment in Optional Sprints

While the Government values and incentivizes rapid design and development to meet aggressive affordability and schedule objectives, the intent is not to achieve speed at the expense of other critical program elements, including manufacturing assessment activities. Within each optional sprint (as exercised), the Government anticipates low-burden but

tangible manufacturing assessment activities to ensure producibility risks are identified and managed progressively. Contractors shall propose focused, sprint-specific manufacturing activities that include:

- Informed identification of manufacturing execution risks through tangible engagements (e.g., supplier discussions, process demos, or risk-focused analyses using the government-provided CSRA Tool or equivalent).
- A detailed plan to retire identified risks through demonstration, prototyping, and production activities, as funds permit.

Sprint Entrance and Exit criteria will incorporate manufacturing assessment outcomes to encourage offerors to carefully consider and plan for manufacturing maturity and producibility of the envisioned operational system. The Government does not intend for Contractors to maximize other explicit performance Technical Performance Measures (TPMs) at the expense of manufacturing readiness. Status of manufacturing risk identification, mitigation progress, and alignment with producibility objectives (including scalability toward ≥20 AURs/month where applicable) shall be presented at relevant program reviews and ATP decision points.

4.0 Environmental Protection

The Contractor shall assess the environmental consequences of the technology being developed from the standpoint of the project itself and from the standpoint of future scale- up for larger quantity production. If the technology has adverse environmental effects, The Contractor shall develop suggestions for making the technology environmentally acceptable and indicate what impact the suggestions will have on the technology from an economic standpoint. The Contractor shall document the findings.

5.0 Reliability, Maintainability, & Supportability (RM&S)

The Contractor shall consider RM&S during the execution of this program. These considerations shall be based on sound, practical engineering judgment, experience and available data. No separate reliability testing program shall be conducted as part of this program however, RM&S data shall be documented, and shortcomings reported for consideration during future developments. Supportability considerations should be addressed at levels consistent with Applied Research (6.2) and Advanced Development (6.3) activities. The Contractor shall document the findings.

6.0 System Safety

The Contractor shall identify and document any safety hazards introduced during design, fabrication and testing. The design goal shall be to eliminate all hazards. Any residual hazards and subsequent design risk shall be summarized and provide enough detail to support an informed program management decision with regards to the design's overall safety risk. The Contractor shall address the identified hazards and recommend corrective actions.

7.0 OPERATIONS SECURITY (OPSEC)

7.1 Purpose

Operations Security (OPSEC) must be an integral part of our daily activities. As we maintain

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

7.2 Coordination and Update

The Contractor shall develop an OPSEC plan to protect classified and unclassified sensitive data from exploitation. The Contractor shall be responsible to coordinate on all OPSEC requirements and the OPSEC plan. The Contractor shall also update the OPSEC plan when updated critical or other information is received including, as appropriate, at the sub-task level. The OPSEC plan shall apply to the task order.

7.3 Compliance

The Contractor shall comply with the approved OPSEC plan. OPSEC surveys to measure the effectiveness of the OPSEC program may be conducted by the government. The Contractor shall comply with these surveys. The Contractor shall train personnel in, and follow appropriate OPSEC measures during, the performance of this contract. The Contractor shall implement enhanced data protection measures to mitigate updated OPSEC threat information.

8.0 PROGRAM & FINANCIAL MANAGEMENT

The Contractor shall perform program and financial management functions, including: scheduling activities and milestones; reporting status and progress toward objectives; planning, forecasting, and recommending funding and funding changes; and documenting the conduct and results of the effort. The Contractor shall provide timely digital and photographic documentation of significant events and milestones. The Contractor shall conduct monthly program management reviews with the Government and milestone design reviews. The Contractor shall conduct quarterly technical interchange meetings, with travel as required to locations including (but not limited to): Wright-Patterson AFB, Eglin AFB, Arnold AFB, and the National Capital Region. The Contractor shall follow established corporate Systems Engineering processes, tailor and document the application of those processes while performing tasks 3.1 through 3.1.6 and 3.2 through 3.2.5 (if exercised). The Contractor shall document deviations from standard practices. The Contractor shall ensure technical requirements, including risk reduction efforts, are properly implemented.

9.0 DIGITAL SYSTEMS ENGINEERING

9.1 Model Based Systems Engineering (MBSE)

The Contractor shall use a SysML compatible solution capable of facilitating development of

a MBSE model or models that are the Authoritative Source of Truth (ASoT) for at least the following data: hardware/software/firmware requirements, analysis of requirements, system architecture design, functional thread analysis, allocations, and interfaces. The Contractor shall ensure its MBSE models can be utilized in Cameo and are compliant with any government furnished reference architectures or models. The Contractor will use a government provided style guide, or design, incorporate, and maintain a style guide for the MBSE models that is compatible with any government furnished reference architecture for this effort. Access to view the MBSE system models and digital artifacts / models / threads being utilized on this program throughout the Period of Performance (PoP) shall be available to the government via the appropriate shared system access or through models sent to the Government via appropriately secure means. The Contractor shall use the models as a framework to structure and execute all design reviews. The MBSE system models shall have style guide rule validation sets to drive toward automated systems engineering technical reviews, milestones, certifications, and integrity programs.

9.2 Model Based Definition (MBD)

The Contractor may use Computer Aided Design (CAD) software to document the Digital Product Definition (DPD) of all components and systems at the conceptual design level. The DPD may contain the fully annotated physical design of all components and systems to include dimensions, tolerances, materials, finishes and other notes to specify a complete product definition as defined in ASME Y14.41 Digital Product Definition Data Practices. The DPD may be the ASoT for physical designs of hardware in the MBSE System Model. The DPD may be appropriately connected via digital threads to ensure communication of DPD information between design disciplines. The DPD may be appropriately connected via digital threads to appropriate subcontractors to the greatest extent practical.

9.3 Design Technical Data Package (TDP)

The Contractor shall develop relevant data-centric deliverables generated in this effort that cover the models, data, and digital systems engineering products, representing the weapon system and associated engine concept. The TDP shall include a level of detail appropriate to permit independent assessment of the weapon system designs in follow-on military utility studies.

10.0 Associate Contractor Agreements

10.1 Associate Contractor Agreements (ACA)

The Contractor shall enter into Associate Contractor Agreement (ACA) for any portion of the contract requiring joint participation in the accomplishment of the Government's requirements. The agreements must include the basis for sharing information, data, technical knowledge, expertise, and/or resources essential to the integration of the Risk Reduction for Flight Capable High Mach Expendable Turbine Propulsion (H-MET), which ensure the greatest degree of cooperation for the development of the program to meet the terms of the contract. Associate contractors are listed in Section 10.7 below.

10.2 ACAs shall include the following general information:

10.2.1 Identify the associate contractors and their relationships.

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

10.2.3 Describe the associate contractor interfaces by general subject matter.

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

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

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

10.4 The Contractor is not relieved of any contract requirements or entitled to any adjustments to the contract terms because of a failure to resolve a disagreement with an associate contractor.

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

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

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. 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 address. 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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY NAME

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	STATUS REPORT	N/A	

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	See Blk 16
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A		N/A	See Blk 16

16. REMARKS

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

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Block 12: First report due 10 days after end of first contract month of the contractor accounting period.

Block 13: Subsequent reports due by the 10th of each month thereafter.

Contains export-controlled data.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQ	0	1	0
CO	0	1	0
ACO	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. 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 address. 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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 -1AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

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

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	See Blk 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	See Blk 16	See Blk 16

16. REMARKS

Tailor to allow contractor's format.

Block 9: B: Distribution authorized by U.S. Government agencies, proprietary business information, 25 February 2026. Other requests for this document must be referred to AFRL/RQ

Block 12: Submit 25 days after contract award.

Block 13: Subsequent submissions are due on the 25th of the month with the exception of when the 25th falls on a weekend in which case the CDRL will be delivered the next working day after the 25th.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
AFRL/RQ	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKP	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
	23 Jul 2012		23 Jul 2012

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. 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 address. 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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 -I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A003	CONTRACTOR SPEND AND EXPENDITURE PLAN	Spend Plan Report

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

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		*	**

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

Tailored to allow contractor's format.

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

**25 days after block 11 time.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A004	CONTRACT FUNDS STATUS REPORT (CFSR)	Financial Report

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81468A/T	SOW	AFRL/RQ

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	QRTLY	SEE BLK 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	SEE BLK 16

16. REMARKS

Tailored to allow contractor's format.

Block 9: B: Distribution authorized by U.S. Government agencies, proprietary business information, 25 February 2026. Other requests for this document must be referred to AFRL/RQ

BLK12: Submit 90 Days after contract award

Block 13: Subsequent submissions are due on the 25th of the month that ends the quarter with the exception of when the 25th falls on a weekend in which case the CDRL will be delivered the next working day after the 25th.

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
AFRL/RQ	0	1	0
AFRL/RQF	0	1	0
AFRL/RQKP	0	1	0
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY NAME

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A005	Integrated Program Management Data and Analysis Report (IPMDAR)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81861C	CSOW	AFRL/RQ

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	MTHLY	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		N/A	See Blk 16

16. REMARKS

Tailored to allow contractor's format.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Block 12: At the end of the contractor's first monthly accounting period.

Block 13: Subsequent reports due by the 10th of each month thereafter. Final submission is due when the last significant milestone/deliverable as defined by the contract has been achieved and remaining risk areas have been mitigated, with government concurrence.

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

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

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	*
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		*	

16. REMARKS

Tailored to require only view graphs and hard copy. Submittal of the actual viewgraph is not required if the presentation is computer generated.

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

*Submit at each briefing or review as appropriate.

Maximum # of view graphs shall not exceed 2,000 for this contract.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A007	SCIENCE AND TECHNOLOGIES PROTECTION IMPLEMANTATION PLAN (S&TPIP)	Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SCRE-82484/T	SOW	AFRL/RQ	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASGEN	90DAC
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		N/A	R/ASR

16. REMARKS

Tailored to allow contractor's format.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

Block 12: Submit 90 days after contract award.

Approval/disapproval by letter from the Air Force Program Manager within 15 calendar days after receipt.

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

R/ASR means revisions as required to keep the S&TPIP up to date, make changes or corrections; submit revisions as generated.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A008	TECHNICAL INFORMATION REPORT	R&R ANNUAL UPDATE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80652/T	CSOW	AFRL/TBD

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	*	*
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A		*	**R/ASR

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

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.

Submit electronically.

Block 9: C : Distribution authorized to U.S. Government agencies and their contractors, Critical Technology, Export Controlled, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQ Security	0	1	
PM	0	1	
AFRL/PM/PE	0	1	
15. TOTAL →	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DOD5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A009	TECHNICAL DATA PACKAGE (TDP)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-SESS-80776B/T	CSOW o	AFRL/RQ

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

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

16. REMARKS

Tailored to allow contractor's format

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

Note:

BLK 4: The Technical Data Package (TDP) (aka Hypersonic Air Vehicle GRA, Weapons GRA, Decision Analysis Study GRA, Digital Models) includes robust digital models of the contractor's implemented weapon design consisting of decomposed requirements, physical and logical structure, behavioral models (functional/performance, thermal, structural, electromagnetic) and parametric models that facilitate trade space analyses and fully verify developmental/operational requirements. The contractor is expected to deliver digital models that contain the information required by DI-SESS-80776B. The contractor will deliver the digital models produced from provided GRAs in an mdzip file format compatible with Cameo 2024 SysML modeling tool.

The TDP will include according to MILSTD31000B identification, description and assessment of manufacturing processes to be detailed in a Component/Supplier Risk Assessment (CSRA) for PDR and CDR, highlighting risk areas in a Manufacturing Risk Reduction Plan with potential Manufacturing Readiness Assessment post flight test.

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

BLK 10,11,12 & 13: Deliver data files no later than 14 calendar days prior to review/meetings. Deliver final version NLT 15 calendar days after completion of the technical PoP.

BLK 14: Deliver electronic files via DoD SAFE or via mail on media compatible with the recipients computer hardware/software

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DOD5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A010	SYSTEMS ENGINEERING MANAGEMENT PLAN (SEMP)	Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-SESS-81785B/T	CSOW	AFRL/RQ	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	See Blk 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	N/A	See Blk 16

16. REMARKS

Tailored to allow contractor's format.

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

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

The SEMP shall describe the contractor's technical approach and the plan for the conduct, management, and control of the integrated systems engineering effort. it shall be consistent with the government's Systems Engineering Plan (SEP).

The first submission is for review and approval and shall be submitted prior to SRR; subsequent revisions may required based on program milestones (PDR, CDR).

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

Block12: 30-60 days after Contract Phase awarded.

Block 13: 30 days after review/ Comments.

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST *(1 Data Item)*	*Form Approved* *OMB No. 0704-0188*

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Field	Value
A. CONTRACT LINE ITEM NO.	0001
B. EXHIBIT	A
C. CATEGORY: ~~TDP~~ ___ ~~TM~~ ___ OTHER	N/A REF:DOD5010.12-IAMSDI
D. SYSTEM/ITEM	
E. CONTRACT/PR NO.	FA2391-XX
F. CONTRACTOR	
1. DATA ITEM NO.	A011
2. TITLE OF DATA ITEM	MATERIAL AND PROCESSING DIGITAL DATA PACKAGE (MPDDP)
3. SUBTITLE	
4. AUTHORITY *(Data Acquisition Document No.)*	DI-MISC-82020/T
5. CONTRACT REFERENCE	CSOW
6. REQUIRING OFFICE	AFRL/RQ
7. DD 250 REQ	LT
8. APP CODE	N/A
9. DIST STATEMENT REQUIRED	B
10. FREQUENCY	ASGEN
11. AS OF DATE	
12. DATE OF FIRST SUBMISSION	ASGEN
13. DATE OF SUBSEQUENT SUBMISSION	ASGEN
17. PRICE GROUP	
18. ESTIMATED TOTAL PRICE	

14. DISTRIBUTION

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

16. REMARKS

Tailored to allow contractor format.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DOD5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY NAME

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A012	INTERFACE REQUIREMENTS SPECIFICATION	Requirements Document

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-IPSC-81434A/T	CSOW	AFRL/RQ

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		N/A	See Blk 16

16. REMARKS

Tailored to allow contractor's format.

Submit on media compatible with MS-Office for Windows.

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

ASREQ means as required to update the SRS as needed based on configuration control review actions.

The SRS shall include detailed descriptions of all external interfaces, including functional, performance, and physical constraints.

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Block 12: Submit 60 days after contract award date and prior to PDR.

Approval/disapproval of technical content by letter from the Air Force Program Manager within 30 days after receipt.
Block 13: Subsequent submission 30 days after review.
Final submission due 30 days before the Critical Design Review (CDR).

Block 13: Disapproval requires correction and resubmission within 30 days after receipt of Air Force comments.

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. 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 address. 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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY NAME

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A013	INTERFACE DESIGN DESCRIPTION (IDD)	N/A

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-IPSC-81436A/T	CSOW	AFRL/RQ

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**
A		N/A	

16. REMARKS

Tailored to allow contractor's format Microsoft compatible.

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

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Block 12: Submit at completion of the software design effort Prior to PDR.

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

Block 13: Disapproval requires correction and resubmission within 30 days after receipt of Air Force comments. Final submission due 30 days before the Critical Design Review (CDR).

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Title	FA2391-XX	Company Name

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A014	OPEN SYSTEMS MANAGEMENT PLAN		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-82099A/T	CSOW	AFRL/RQ	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	30DAC

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

16. REMARKS

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

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

ASREQ means as required to reflects changes in the design.

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Initial plan to be submitted prior to (SRR).

Block 12: 30 Days after Contract award
Block 13: 30 Days after the initial review.

Approval/disapproval by letter from the Air Force Program Manager within 15 calendar days after receipt.

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

R/ASR means revisions as required to keep the Open Systems Management Plan up to date, make changes or corrections; submit revisions as generated.

Contains export-controlled data.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AFRL/RQ	1	1	0
CO	1	1	0
ACO	1	1	0
15. TOTAL →	3	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
TITLE	FA2391-XX	COMPANY NAME

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A015	RISK MANAGEMENT STATUS REPORT	Plan and Register Reports

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	30DAC

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	N/A	SEE Blk 16

16. REMARKS

Tailored to allow contractor's format.

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

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

Note: The plan shall address in depth each major risk regarding: Risk Management Strategy, Responsible Component, Analysis, Mitigation Planning, Mitigation Implementation, and Tracking.

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ

Block 13: Subsequent Submittal: as needed / Every 20 business days if updated.

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DOD5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A016	SYSTEM SAFETY HAZARD ANALYSIS REPORT (SSHAR)		18. ESTIMATED TOTAL PRICE

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	1TIME	See Blk 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
N/A	See Blk 16	N/A

16. REMARKS

Tailored to allow contractor's format and to require only the (PHA, the SHA, the SSHA or the O&SHA) report .

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

Block 9: C : Distribution authorized to U.S. Government agencies and their contractors, Critical Technology, Export Controlled, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

BLOCK 11: At the conclusion of Qualification Testing.

BLOCK 12: Submit within 30 days after Block 11.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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:
0001	A	TDP N/A TM N/A OTHER REF DOD5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A017	TEST PLAN	Flight and Taxi Test Plan	

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	C	ASREQ	*
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		N/A	**

16. REMARKS

Tailored to require the attached AFRL Flight and Taxi Test Plan format.

ASREQ means as required to document plans for flight and taxi testing through out this effort.

* 8 weeks prior to testing.

Approval/ disapproval by letter from the Air Force Program Manager within 2 weeks after AFRL SRB and TRB Review.

** Disapproval requires correction/ resubmission within 1 week after receipt of Air Force comments.

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

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

Ground/Flight test data and videos

Block 9: C : Distribution authorized to U.S. Government agencies and their contractors, Critical Technology, Export Controlled, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

AFRL Flight/Taxi Test Plan Format To Be Used In Conjunction With DID DI NDTI 80566A/T.

Block 3: DESCRIPTION/PURPOSE

3.1 The test plan outlines the plans and test approach/objectives at every level of testing on systems or equipment. It provides the procuring activity with the test concept, objectives, approach, and success criteria.

Block 7: APPLICATION/INTERRELATIONSHIP

7.1 The DID contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

7.2 This DID is applicable to system and equipment flight and ground tests that include tests, experiments, demonstrations on facilities or aerospace vehicles, where aerospace vehicles are defined as, but not limited to, manned vehicles, R/Cs, uninhabited air vehicles (UAVs), and RPVs.

Block 10: PREPARATION INSTRUCTIONS

10.1 General. The test plan shall document in detail the contractor's plan for conducting tests and associated ground tests and analyzing the test results to show how the system will satisfy the program objectives in a safe and efficient manner.

10.2 Format. The plan shall be in the contractor's format.

10.3 Content

10.3.1 Title Page. The title page shall include the following:

a. Title of the test to be conducted
b. Identification of system being tested
c. Contractor's name
d. Contract number
e. Security classification
f. Distribution statement

10.3.2 Overview. Consists of purpose of test; program discussion; program objectives, metrics, and success criteria; background information; previous related tests (ground tests, simulations, other similar tests); critical technical and safety issues. The plan shall include the following:

10.3.3 Test Item Description. Consists of description of test item; vehicle description (size, shape, dimensions photo or drawing, weight, speeds, payload capacity, instrumentation, payload, power requirements/power available, etc.); vehicle

modifications and configuration control process/approval; autonomous flight control system description; other test/support equipment, and any other pertinent parameters.

10.3.4 Method of Test. Consists of detailed test approach and procedures; instrumentation; data requirements, processing, and analysis; test location (map or photo of area, test area marked on map, test patterns marked on map, location of test personnel and equipment on map); detailed discussion and description of each test (taxi, checkout, ground and flight test descriptions, number of tests/flights, purpose, objective and success criteria of each test/flight, vehicle configuration per flight, airspeeds, altitudes, flight patterns, detailed discussion of how each ground and flight test will be conducted from start to finish, contingency plans, etc.); communications (hand held radios – channels authorized/used, radio and test terminology, identification and responsibilities of test personnel, etc.); deviations requested from test plan; test and safety go/no go lists; test execution success criteria.

10.3.5 Special Procedures. Consists of unique maintenance procedures; test constraints or limitations; security procedures or guidelines to be observed; required special or unique tests.

10.3.6 Test Management. Consists of program schedule; planned test start and end dates; personnel (identification of personnel and responsibilities of each); required support.

10.3.7 Mishap Procedure and Reporting. Consists of discussion of emergency equipment and services available; discussion of process for handling toxic materials; mishap reporting procedures.

10.3.8 Attachments. Consists of test cards for each individual test; test hazard analyses; pre and post flight/test checklists; standard operating procedures for test location; flight clearances; agreements with other supporting organizations; frequency management documents, and test results.

10.3.9 Additional sections required for tests involving R/Cs, UAVs, RPVs. radio and transmitter (type and frequency); location of kill boundary on map; flight termination system / procedure (description of system / procedure and how it works, who calls the kill signal); autonomous control system, pilot name and qualifications.

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:
0001	A	TDP N/A TM N/A OTHER REF DoD 5010.12 AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A018	TEST/INSPECTION REPORT	Test Reports	

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

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	B	ASREQ	30DATC

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	N/A	See Blk 16

16. REMARKS

Tailored to allow contractor's format .

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

ASREQ means as required to document Test/Inspection Reports through out this effort.

Note: The Contractor shall submit a Developmental Test Report For Performance Validation documenting the results of all tests and demonstrations required by the Government approved Developmental Test Plan for Performance Validation not later than thirty (30) calendar days after the last planned test or demonstration event is satisfactorily completed. This report shall reflect how the prototype met, or failed to meet, thresholds and objectives laid out in the Statement of Objectives.

Block 9: B: Distribution authorized to U.S. Government agencies, proprietary business information, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

Block 12: 30 days after completion of each test.

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

Block 13: Disapproval requires correction and resubmission within 30 days after receipt of Air Force comments.

Contains export-controlled data.

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

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
0001		TDP N/A TM N/A OTHER REF DOD5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A019	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/RQ	

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

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	End of Tech Effort	See Blk 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 Department of Defense and U.S. DoD contractors only, contains critical technology, 18 February 2026. Other requests for this document must be referred to AFRL/RQ.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., sec 2778 et seq., as amended) or the Export Administration Act of 1979, as amended, Title 50, U.S.C. App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

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

(continued on next page)

14. DISTRIBUTION

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

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP / TM / OTHER
0001		TDP N/A TM N/A OTHER REF DOD5010.12-I AMSDL

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
	FA2391-XX	

16. REMARKS *(Continued)*

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 Fin 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.

Contains export-controlled data.

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.

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)

SOLICITATION DD FORM 254 – COVER PAGE

Pioneering Aerospace Capabilities, Engineering and Research (PACER)
Hypersonic Affordable Mass Weapon Concepts (HAMWC)

12 March 2026

The Contract Security Classification Specification - DD Form 254 **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 DD Form 254 is not being directly attached to the HAMWC Solicitation. Qualified U.S. contractors must request a copy of the DD Form 254 by contacting the POCs below and attaching a certified current DD Form 2345. Upon confirmation of eligibility, the DD Form 254 will be provided via the DoD Safe Website and provide a separate password to decrypt the file.

DD Form 254 POCs:

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

Lt. Col. Isaac Putnam
Program Manager AFRL/RQHV
E-mail address: isaac.putnam@us.af.mil

Contract Incentives Description

Hypersonic Affordable Mass Weapon Concepts (HAMWC) Program

1. Optional Sprint 1 (Preliminary Design Review (PDR)) and Optional Sprint 2 (Critical Design Review (CDR))

It is anticipated optional Sprint 1 (PDR) and optional Sprint 2 (CDR) will be awarded as Firm Fixed Price (FFP) CLINs with a schedule incentive included. The Government shall set aside 15% of the base cost for the schedule performance incentive. In order for the contractor to earn the maximum schedule incentive, the contractor must deliver and meet all established PDR and CDR exit criteria no later than 90 days after the option is exercised. See below for the PDR/CDR exit criteria that must be met. The payment of any schedule incentive profit earned will be determined at completion of the Sprint and is contingent on the contractor successfully delivering within 80-90 calendar days (15%) or 91-100 calendar days (5%) after option exercise. No portion of the schedule incentive can be earned if delivery occurs between 101-120 (on time) calendar days after option exercise.

Optional Sprint 1 PDR Exit Criteria:

a. PDR level analysis and simulation is provided for the system design
b. The following system interfaces have been identified, documented, and in accordance with Weapon Open Systems Architecture (WOSA) including:
    i. Flight vehicle major subsystems
    ii. Launch system
    iii. Required launch facilities (including telemetry)
c. Test article Design is technically viable in accordance with the following:
    i. The design meets mission objectives
    ii. Plan for Test article design for prototype manufacturability exists
d. The risks are identified with mitigation approaches defined
e. The critical ground and flight safety requirements have been identified
f. Operational design preliminary CSRA: Complete Component/Supplier Risk Assessment (CSRA) with preliminary Manufacturing Risk Reduction Planning
g. All Request for Actions (RFAs) identified with a plan to close

PDR Exit Criteria Validation Method: HAMWC Board Review (ATP Signature)

Optional Sprint 2 CDR Exit Criteria:

a. CDR level analysis and simulation is provided for the system design
b. The following system interfaces have been updated, documented, and in accordance with Weapon Open Systems Architecture (WOSA) including:
    i. Flight vehicle major subsystems
    ii. Launch system
    iii. Required launch facilities (including telemetry)
c. Test article Design is technically viable in accordance with the following:
    i. The design meets Key Performance Parameters (KPPs)
    ii. Plan for Test article design for prototype manufacturability exists
d. The risks are updated with mitigation approaches defined
e. The critical ground and flight safety requirements have been identified
f. Interfaces have been updated, documented, and released for the following:
    i. Flight vehicle and associated systems (e.g., Ground Support Equipment (GSE))
    ii. Launch facility (including telemetry) and
    iii. All interfaces internal to the flight vehicle (e.g., between subsystems)
g. The Test and Evaluation Plan meets all validation requirements documented
h. Operational design Detailed Component/Supplier Risk Assessment (CSRA): Updated Component/Supplier Risk Assessment & Detailed Manufacturing Risk Reduction Planning: by completing CSRA addressing any medium/high risks identified with mitigation plans
i. All Request for Actions (RFAs) identified with a plan to close

CDR Exit Criteria Validation Method: HAMWC Board Review (ATP Signature)

IMPORTANT: Steps for Determining the Final Price

The FFP with schedule incentive CLINs will establish a firm fixed price consisting of a base cost + fixed profit. Based on delivery performance, an additional 15% of base costs can be earned as a schedule incentive. Contractors are only permitted to invoice against the FFP CLIN after completion of the effort and the Final Price is determined (Requires government evaluation of the delivery timeline and adherence to the established PDR/CDR exit criteria). Upon completion of the Sprint effort, the final price adjusted for any incentive profit earned will be determined as follows:

1. The parties will negotiate the base cost and fixed fee.

2. Earned Schedule Incentive will be determined by comparing the final PDR/CDR exit criteria compliant delivery to the incentive tiers below:

Delivery Timeframe	Profit Incentive
80-90 calendar days after option exercise	15% of the base cost
91-100 calendar days after option exercise	5% of the base cost
101-120 (On time) calendar days after option exercise	0% of the base cost

NOTE: Earned incentive amounts of either 15% or 5% of the base cost will be added to the calculated Final Profit. Calander day one in the timelines above is defined as the first business day after option exercise. Beginning the first business day after delivery, the contractor's

required delivery timeline shall pause to allow the government time to complete an evaluation of adherence to the exit criteria. The contractor's required delivery timeline shall resume beginning the first business day after the government provides the results of the evaluation. If performance of any part of the work required is otherwise delayed due to actions taken by the government or from causes beyond the control and without the fault or negligence of the contractor, the required delivery timeline shall pause beginning the first business day after the government action or causes beyond the control of the contractor and resume the first business day after the action or cause is resolved, as determined by the government.

3. The Final Price adjusted for any earned schedule incentive profit will be determined using the following formula: [Base Cost + Fixed Profit] + Earned Schedule Incentive Profit = Final Price

2. Optional Sprint 3 (Manufacturing and Prototyping Demonstration)

It is anticipated optional Sprint 3 (Manufacturing & Prototyping Demonstration) will be awarded as a CPFF CLIN with a schedule incentive included. The Government shall set aside 10% of the target cost for the schedule performance incentive. In order for the contractor to earn the maximum schedule incentive, the contractor must meet all established MRA exit criteria no later than 180 calendar days after the option is exercised. See below for the MRA exit criteria that must be met. The payment of any schedule incentive fee will be determined at completion of the Sprint and contingent on the contractor successfully delivering 160-180 calendar days (10%) or 181-200 calendar days (5%) or 201-220 calendar days (2%) or 221-240 calendar days (1%) after option exercise. No portion of the schedule incentive can be earned if delivery occurs between 241-270 (on time) calendar days after option exercise.

Optional Sprint 3 MRA Exit Criteria:

a. Operational design Manufacturing Readiness Assessment (MRA) independently reviewed
b. Completed Component/Supplier Risk Assessment (CSRA)
c. All medium and high-risk manufacturing risks identified in accordance with 3.4 of SOO, with mitigation plans and ready to be executed
d. Producibility assessment complete based on the following:
    i. Production ramp timeline included
    ii. Critical Path timelines identified and mitigated
    iii. Supplier lead times identified, mapped and mitigated
    iv. Cost affordability targets for production plan established
    v. Manufacturing method risks identified
e. All subassemblies produced and ground tested/demonstrated
f. First fight vehicle successfully powered on
g. All Request for Actions (RFAs) identified with a plan to close

MRA Exit Criteria Validation Methods: HAMWC Board Review (ATP Signature)

IMPORTANT: Steps for Determining the Final Price

CPFF CLINs will establish a target price consisting of a target cost + fixed fee. Based on delivery performance, an additional 10% of base costs can be earned as a schedule incentive. Contractors are only permitted to invoice against the CPFF CLIN after the Final Price is determined (Requires government evaluation of contractor's adherence to the established MRA exit criteria). Upon completion of the Sprint effort, the final contract price adjusted for any earned schedule incentive fee earned will be determined as follows:

1. Determine Final Allowable costs. The contractor submits all costs incurred in performing the contract work. Government ensures they are allowable, allocable, and reasonable according to government accounting regulations.

2. Earned Schedule Incentive will be determined by comparing the final MRA exit criteria compliant delivery to the incentive tiers below:

Delivery Timeframe	Fee Incentive
160-180 calendar days after option exercise	10% of the target cost
181-200 calendar days after option exercise	5% of the target cost
201-220 calendar days after option exercise	2% of the target cost
221-240 calendar days after option exercise	1% of the target cost
241-270 (On time) calendar days after option exercise	0% of the target cost

NOTE: Earned incentive amounts of either 10%, 5%, 2% or 1% of the target cost will be added to the calculated Final Fee. Calander day one in the timelines above is defined as the first business day after option exercise. Beginning the first business day after delivery, the contractor's required delivery timeline shall pause to allow the government time to complete an evaluation of adherence to the exit criteria. The contractor's required delivery timeline shall resume beginning the first business day after the government provides the results of the evaluation. If performance of any part of the work required is otherwise delayed due to actions taken by the government or from causes beyond the control and without the fault or negligence of the contractor, the required delivery timeline shall pause beginning the first business day after the government action or causes beyond the control of the contractor and resume the first business day after the action or cause is resolved, as determined by the government.

3. The Final Price adjusted for any earned schedule incentive profit will be determined using the following formula: [Final Allowable Costs + Fixed Fee] + Schedule Incentive fee = Final Price

3. Optional Sprint 4 (Flight Test)

It is anticipated optional Sprint 4 (Flight Test) will be awarded as a CPFF CLIN with a schedule and performance incentive included. The Government shall set aside 7% of the target cost for the schedule performance incentive and an additional 3% of the target cost for the performance incentive. In order for the contractor to earn the maximum schedule incentive, the contractor must meet all established Flight Test exit criteria no later than 180 calendar days after the option is exercised. See below for the Flight Test exit criteria that must be met. The payment of any earned schedule incentive fee will be determined at completion of the Sprint and contingent on the contractor successfully delivering 160-180 calendar days (7%) or 181-200 calendar days (4%) or 201-220 calendar days (2%) or 221-240 calendar days (1%) after option exercise. No portion of the schedule incentive can be earned if delivery occurs between 241-270 (on time) calendar days after option exercise. In order for the contractor to earn the additional 3% performance incentive fee, the contractor must demonstrate vehicle traverses ≥ 500 nmi (No Wind, Standard Day).

Optional Sprint 4 Flight Test Exit Criteria:

a. Flight vehicle meets program Key Performance Parameters (KPPs)
b. Test objectives as defined in the test plan have been met

Flight Test Exit Criteria Validation Methods: HAMWC Board Review (ATP Signature)

IMPORTANT: Steps for Determining the Final Price
This CPFF CLIN will establish a target price consisting of a target cost + fixed fee. Based on delivery performance, an additional 7% of target costs can be earned as a schedule incentive. Based on Performance Quality, an additional 3% of target costs can be earned as a performance incentive. Contractors are only permitted to invoice against the CPFF CLIN after the Final Price is determined (Requires government evaluation of contractor's adherence to the established Flight Test exit criteria). Upon completion of the Sprint effort, the final contract price adjusted for any earned schedule incentive fee and/or performance quality incentive fee will be determined as follows:

1. Determine Final Allowable costs. The contractor submits all costs incurred in performing the contract work. Government ensures they are allowable, allocable, and reasonable according to government accounting regulations.

2. Earned Schedule Incentive will be determined by comparing the final Test Flight exit criteria compliant delivery to the incentive tiers below:

Delivery Timeframe	Fee Incentive
160-180 calendar days after option exercise	7% of the target cost
181-200 calendar days after option exercise	4% of the target cost
201-220 calendar days after option exercise	2% of the target cost
221-240 calendar days after option exercise	1% of the target cost
241-270 (On time) calendar days after option exercise	0% of the target cost

3. Earned Performance Incentive will be determined by comparing the final Test Flight exit criteria compliant delivery to the incentive tiers below:

Performance Quality	**Fee Incentive**
If Demo vehicle traverses ≥ 500 nmi (No Wind, Standard Day)	3% of the target cost

NOTE: Earned schedule incentive fee amounts of either 7%, 4%, 2% or 1% of the target cost and/or earned performance quality incentive fee of 3% of the target cost will be added to the calculated Final Fee. Calander day one in the timelines above is defined as the first business day after option exercise. Beginning the first business day after delivery, the contractor's required delivery timeline shall pause to allow the government time to complete an evaluation of adherence to the exit criteria. The contractor's required delivery timeline shall resume beginning the first business day after the government provides the results of the evaluation. If performance of any part of the work required is otherwise delayed due to actions taken by the government or from causes beyond the control and without the fault or negligence of the contractor, the required delivery timeline shall pause beginning the first business day after the government action or causes beyond the control of the contractor and resume the first business day after the action or cause is resolved, as determined by the government.

4. The Final Price adjusted for any earned schedule and/or performance incentive fees will be determined using the following formula: [Final Allowable Costs + Fixed Fee] + Schedule Incentive fee + Performance Quality Incentive fee = Final Price