Missile Defense Agency

"Shipborne Phased Array Instrumentation Radar (SPAIR) for Flight Testing Support"

Solicitation No. HQ0860-26-S-C007

Missile Defense Agency

5224 Martin Road

Redstone Arsenal, AL 35898

Amendment 01

June 23, 2026

DISTRIBUTION STATEMENT A: Approved for Public Release: 26-MDA-12359 (15 Jun 26)

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01	June 23, 2026	Added reference to SPAIR Attachment 5	7
01	June 23, 2026	Updated proposal submission instructions	11
01	June 23, 2026	Proposal due date change to July 20, 2026	11
*Amendment changes are identified in red text.			

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SECTION I. OVERVIEW

A. **Federal Agency Name:** Missile Defense Agency (MDA)

B. **Program Name:** Director for Test (DT)

C. **Solicitation Name:** Shipborne Phased Array Instrumentation Radar (SPAIR) for Flight Testing Support

D. **Solicitation No.:** HQ0860-26-S-C007

E. **Solicitation Period:** Prototype proposals must be received by MDA no later than July 17, 2026.

F. **Solicitation Process:** This solicitation process provides for the competitive selection of Other Transaction for Prototype proposals. Full technical and cost proposals are requested and will be evaluated. Details for submission are provided below.

G. **North American Industry Classification System (NAICS) Code:** 334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing.

H. **Agency Contact:** All communication regarding this solicitation should be Unclassified and sent to mda.spair@mail.mil. If higher than Unclassified communication is necessary, send an unclassified request to mda.spair@mail.mil for further instructions. Offerors should monitor SAM.gov for updates to this solicitation.

SECTION II. PURPOSE

The purpose of this solicitation is to seek Industry solutions to deliver a prototype radar that is integrated into a ship-based platform for collection of data supporting MDA flight testing. In this context, provisions for maritime operations include ship motion. MDA is seeking a proven technology base, supported by active production line(s), and leveraging a continuing sustainment infrastructure. MDA will focus on acquiring a prototype system anchored on proven commercial/government-off-the-shelf (COTS/GOTS) technologies to accelerate the delivery schedule, reduce costs, and minimize programmatic risks for the delivery of a prototype SPAIR.

Performers will be required to access, handle, receive, and store SECRET information in performance of this effort. Offerors must have an active SECRET (or higher) Facility Clearance (FCL) with SECRET (or higher) Safeguarding Level to be eligible to respond to this solicitation.

MDA intends to execute this procurement in two phases. Phase I will competitively select an Offeror(s) to develop and deliver a full design for the proposed radar to include System Requirements Review (SRR), Preliminary Design Review (PDR), Critical Design Review (CDR) and integration of the radar into the ship design. During Phase I the selected Performer(s) will be working with the ship design Contractor to integrate the proposed radar into the final ship structure. Phase II of the effort includes radar development, fabrication, ship integration and

acceptance testing through sea trials. Phase II may also include options for operations and maintenance. The MDA may request a Phase II proposal from the selected Offeror(s) for the full prototype development, delivery, installation, integration, testing and achievement of Initial Operational Capability (IOC)/Final Operational Capability (FOC) based on the approved design delivered in Phase I. The Government reserves the right to select one, all or none of the proposals provided for Phase I.

The Government intends to complete Phase I CDR within 12 months and Phase I to be no longer than 18 months. For planning purposes, the Government anticipates the total value of the resulting Phase I agreement to not exceed $60M and is subject to availability of funds. Vendors are encouraged to submit lean, highly efficient solutions that achieve the core objective below the anticipated value. Proposals exceeding the anticipated total value for Phase I may not be considered for award.

In response to this solicitation Offerors are proposing Phase I only. Selection for Phase I work does not guarantee the Performer will be requested to propose on or complete work required in Phase II.

SECTION III. USE AND AVAILABILITY

This solicitation is issued under MDA's Nimble Options for Buying Layered Effects (NOBLE) Announcement, Solicitation No. HQ0860-25-S-0001.

SECTION IV. AUTHORITIES

This solicitation is issued under the authority at 10 U.S.C. §4022 – Authority of the Department of Defense to carry out certain prototype projects (Other Transaction for Prototype).

SECTION V. DESCRIPTION

A. Overview

Refer to the MDA's NOBLE Announcement, Solicitation No. HQ0860-25-S-0001.

B. Topic Areas

This solicitation is issued under Topic Area #1 Kinetic and Hypersonic Defense from MDA's NOBLE Announcement, Solicitation No. HQ0860-25-S-0001. The topic area should be viewed as suggestive, rather than limiting.

Kinetic and Hypersonic Defense: Rapid development, demonstration and transition of cost efficient kinetic defense solutions against ballistic and hypersonic missile threats. This considers potential Missile Defense System concepts and technologies with a spectrum of capabilities and seeks technologies applicable to current interceptor concepts or completely new interceptor concepts. Multiple attributes should be considered in this area, such as: ability to intercept threats including ballistic, maneuvering, hypersonic, and cruise missiles; ability to intercept threats with ranges from short-range ballistic missiles (SRBMs), medium-range ballistic missiles

(MRBSs), and intermediate-range ballistic missiles (IRBMs); maximization of intercept range; ability to intercept at endo-atmospheric or exo-atmospheric altitudes; ability to field an initial demonstration capability in 2-5 years; ability to disrupt the threat by rapidly developing a low cost interceptor.

C. Technical Description

The MDA Director for Test (MDA/DT) requires an instrumentation radar system to support missile defense flight testing and related missions. The SPAIR system will be installed aboard a replacement vessel supporting Pacific-based test operations. MDA has a support agreement with the Department of Transportation Maritime Administration (MARAD) to construct replacement ships for the Pacific Collector and Pacific Tracker. The replacement ship design is based on MARAD's current construction of the National Security Multi-Mission Vessel (NSMV). The MDA version of the NSMV is called the Missile Range Instrumentation Vessel (MRIV). MDA plans to cross deck the telemetry and range safety systems from Pacific Collector to the first MRIV replacement ship as well as integrate SPAIR onto the stern.

The radar capabilities include:

- Missile defense flight test tracking
- Multi-target tracking and discrimination
- Autonomous acquisition and resource management
- Metric and signature data collection
- Real-time and post-mission data product generation

The radar will employ an Active Electronically Scanned Array (AESA) architecture operating in the X-band. The Field-of-View requirements are detailed in the SPAIR Performance Specification, OTA Attachment 02.

The Government seeks a SPAIR solution that:

- Utilizes proven X-band radar technologies
- Leverages existing X-band production lines
- Includes hybrid electronic/mechanical scanning concepts
- Ensures long-term sustainment (20+ years)
- Minimizes new subsystem/component development
- Provides cost-effective performance meeting Statement of Work (SOW) and Performance Specification requirements

Offerors are encouraged to propose:

- Performance versus cost trades
- Innovative mission concepts within X-band constraints
- Scalable and modular architectures
- Cross-program synergies leveraging existing X-band systems

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The "Offeror's Library" with CUI data is available for Offerors with an active SECRET (or higher) FCL with SECRET (or higher) Safeguarding Level. **Details requesting access to this library are contained below**. The Government reserves the right to negotiate and/or adjust any of these documents prior to award of both phases. The Offeror's Library contains requirements and background information for Phase I and II.

To Request Access to the Offeror's Library: Interested Offerors must have a Facility Security Officer (FSO) email the following information to mda.spair@mail.mil:

- Company name and official mailing address
- FSO contact information
- Commercial and Government Entity (CAGE) Code

This information will be used to verify the Offeror has an active SECRET (or higher) FCL with SECRET (or higher) Safeguarding Level.

Distribution: The Offeror's Library will be distributed to the requesting Offeror once MDA has verified the FCL. It is anticipated for the Offeror's Library to be sent to the Offeror's via a secure site.

D. Solicitation Documents

Documents up to the SECRET classification are necessary to respond to this solicitation. The Government reserves the right to negotiate and/or adjust any of these documents prior to award. The Offeror's library contains the SPAIR solicitation attachments, OTA attachments and a compilation of compliance/guidance documents (not listed here):

- SPAIR Solicitation Attachments:
  - SPAIR Attachment 1: OT Agreement (Offeror to review, concur/propose edits)
  - SPAIR Attachment 2: Business Qualification Form
  - SPAIR Attachment 3: Organizational Conflict of Interest (OCI) Disclosure Form
  - SPAIR Attachment 4: Pricing Model
  - SPAIR Attachment 5: ORBIT Acquisition User Guide

- OT Agreement Attachments
  - OTA Attachment 01: Statement of Work
  - OTA Attachment 02: Performance Specification
  - OTA Attachment 03: Schedule of Milestones and Payments
  - OTA Attachment 04: Contract Security Classification Specification (DD 254)
  - OTA Attachment 05: Data Assertions (template, submit if required)

SECTION VI. GENERAL INFORMATION

A. Communication

Inquiries related to this solicitation are limited to Unclassified communications. All Unclassified questions regarding this solicitation should be submitted via mda.spair@mail.mil. If higher than Unclassified communication is necessary, send an Unclassified email to the address listed above for further guidance. All questions should be submitted via email prior to June 26, 2026, to ensure sufficient time to provide a response.

Dialogue with any Government representative related to this solicitation shall not constitute a commitment by the Government. Any dialogue that takes place will not be taken into consideration during evaluation of responses to this solicitation. Only Contracting and Agreements Officers are legally authorized to make commitments on behalf of the Government.

B. Eligible Offerors

Offerors will be required to indicate eligibility for an Other Transaction for Prototype in accordance with 10 U.S.C § 4022(d) by completion and submission of the Business Qualification Form provided in the Offeror's Library, Attachment 2.

C. System for Award Management (SAM)

Offerors must be registered in the System for Award Management (SAM) https://www.SAM.gov at time of response to this solicitation and prior to any award. This includes completion of all required representations and certifications.

D. Security Requirements

Prototype proposals in response to this solicitation can be submitted at the Unclassified (U) or Controlled Unclassified Information (CUI) level. Reminder that Offerors are advised, should they be selected for an award, they will be required to access, handle, receive, and store SECRET (S) information in performance of the effort. The selected awardee(s) must have an active SECRET (or higher) FCL with SECRET (or higher) safeguarding level verified by MDA before any award can be made.

Any award(s) resulting from this solicitation will contain a DD Form 254, DoD Contract Security Classification Specification, OTA Attachment 04. Per the DD Form 254, access to CUI and legacy FOUO shall be limited to U.S. Persons and dual citizens that do not violate the Countries list in 22 CFR 16.1.

E. Export Control

The technical areas in this solicitation may contain export controlled technologies that are subject to U.S. Export Control laws, including the Arms Export Control Act (22 USC Chapter 39), the International Traffic in Arms Regulation (ITAR) 22 CFR § 120-130 and/or the Export Administration Regulation (EAR) 15 CFR § 730-774). Offerors are advised the proposed performance of any foreign nationals (FNs) may be restricted due to the nature of the technical data. All Offerors must disclose any proposed use of FNs, their country(ies) of origin, the type of visa or work permit possessed, and the tasks intended for accomplishment by the FN. Only

MDA approved FNs may perform on any efforts proposed under this solicitation. It is encouraged for the proposed Program Manager (PM) and/or Principle Investigator (PI) to be a U.S. person, as defined by 22 CFR § 120.62.

F. Safeguarding Covered Defense Information and Cyber Incident Reporting

Protection of Covered Defense Information (CDI) (as defined in 48 CFR § 204.73), Federal Contract Information (FCI) (as defined in 48 CFR § 4.1901), and Controlled Unclassified Information (CUI) (as defined in 32 § CFR 2002.4(h)) is of paramount importance to MDA and can directly impact the ability of MDA to successfully conduct its mission. Any awards resulting from this solicitation may include certain regulations related to the protection of CDI, FCI, and CUI and certain requirements for rapid reporting of any cyber incident involving this information.

Awardees may be subject to the security requirements in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171, "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations" Rev 2. and requirements of the Cybersecurity Maturity Model Certification (CMMC) Program. More information about the CMMC Program can be found at https://dowcio.war.gov/CMMC/About/.

G. Organizational Conflicts of Interest

It is MDA policy to ensure all appropriate measures are taken to resolve Organizational Conflicts of Interest (OCIs) and unfair competitive advantages to prevent the existence of conflicting roles that might bias an Offeror's judgement and deprive MDA of objective advice or assistance, and to prevent Offerors from gaining an unfair competitive advantage.

All Offerors, are subject to the OCI rules, procedures and responsibilities described in Revolutionary FAR Overhaul (RFO) Subpart 9.5 "Organizational and Consultant Conflicts of Interest" and DFARS Subpart 209.5 "Organizational and Consultant Conflicts of Interest". These regulations prescribe responsibilities, general rules and procedures for identifying, evaluating and resolving OCIs. All Offerors, regardless of award type, are also subject to the rules in RFO 3.101-1 "Standards of Conduct – General" and the cases implementing it (See Health Net Fed. Svcs., B-401652.3 and others), which address unfair competitive advantages that can result from contractors hiring or associating with former Government employees.

All Offerors are responsible for identifying and analyzing any potential or actual OCIs that exist as a result of responding to this solicitation and/or performance of the effort through completion and submission of the OCI form, Attachment 3, provided in the Offeror's Library.

Proposals categorized as "Highly Recommended" or "Recommended" for award, as those terms are described in Section VIII. Evaluation and Selection, will be screened for OCI or unfair competitive advantage. Award will not be made to an Offeror that has an OCI without adequate avoidance, neutralization, or mitigation or to an Offeror with an unfair competitive advantage resulting from its hiring or association with a former Government employee.

H. Rights in Intellectual Property to include Technical Data and Computer Software

All Offerors, to the maximum extent practicable, must appropriately define the rights of the Government regarding Intellectual Property/Data, including but not limited to rights in technical data and/or software to be delivered to the Government under the proposed effort. This includes both commercial and non-commercial items. All Offerors are required to complete and submit the Data Assertions document contained within the Offeror's Library, OTA Attachment 05. If no restrictions to the Government's use of Intellectual Property/Data delivered under this effort, including technical data and/or software delivered under the effort are intended, the Offeror should so state. Government rights in Intellectual Property/Data may be further negotiated prior to award, which could include the use of priced options. The Government requires at a minimum Government Purpose Rights on all data.

I. Use of Non-Government Personnel

The Government may use selected FFRDC, University Affiliated Research Center (UARC), non-Government contracted support, and other non-Governmental personnel to assist with administrative aspects of the solicitation and evaluation process and/or provide technical advisement. These persons are bound by appropriate non-disclosure agreements and organizational conflict of interest statements to protect proprietary information. Non-Government advisors are limited to reviewing responses and providing technical advice to the Government and are prohibited from making recommendations for selection. A response submitted to this solicitation constitutes the Offeror's acknowledgment and consent to the use of non-Government personnel. Offerors with questions or objections to the use of non-Government personnel relative to this solicitation should contact mda.spair@mail.mil. It is anticipated that the following firms will be involved in the evaluation process:

BCF Solutions (Corporate Office) 14325 Willard Road, Ste 107 Chantilly, VA 20151	KODA Technologies Inc. 620 Discovery Drive, Bldg. 2, Suite 100 Huntsville, AL 35806
Enlogica Solutions 4920 Corporate Drive, Ste A Huntsville, AL 35805	MIT Lincoln Laboratory 244 Wood Street Lexington, MA 02421-6426
John Hopkins Applied Physics Laboratory 11100 Johns Hopkins Road Laurel, MD 20723	Mobius Consulting, LLC (Headquarters) 6301 Little River Turnpike, Suite 220 Alexandria, VA 22312
Kepler Research 13663 Office Place, Suite 202 Woodbridge, VA 22192	Strategic Alliance Business Group, Inc. 4910 Corporate Drive, NW Suite L Huntsville, AL 35805
Naval Systems, Inc.	

21491 Great Mills Rd., Suite 100 Lexington Park, MD 20653	

J. Comptroller Access to Records

In accordance with 10 U.S.C. 4022 and 32 CFR 3.7, Other Transaction (OT) agreements awarded as a result of this solicitation that exceed $5,000,000 will be subject to the right of the Comptroller General of the U.S. to access and examine the records of the Offeror that are reasonably related to the Offeror's performance under the agreement.

K. Ineligibility

Proposals may be considered ineligible if the requirements of this solicitation are not met.

SECTION VII. SOLICITATION INFORMATION

Proposals should detail the relevant past performance, technical feasibility and maturity of solution, schedule for Phase I and II, operations and maintenance and price per the solicitation requirements.

Proposal submission instructions are detailed in Attachment 5, ORBIT Acquisition User Guide – Responding to an Opportunity. Send an email to mda.spair@mail.mil as notification that a proposal has been submitted via ORBIT. The proposal must be submitted as detailed below.

A. Response Date

Inquiries about this solicitation will be accepted through June 26, 2026. MDA has no obligation to respond to questions received after this date. MDA may choose to answer Unclassified, CUI, and/or non-proprietary questions. All Unclassified inquiries should be sent via email to mda.spair@mail.mil. For inquiries higher than Unclassified, email mda.spair@mail.mil for further instruction.

Proposals must be received by MDA no later than July 20, 2026, at 7:00am Central Daylight Time (CDT). Any responses received after this date and time will not be taken into consideration. This solicitation will remain open until the above-stated proposal due date unless superseded, extended, canceled or replaced. Offerors are responsible for monitoring https://www.SAM.gov for updates or amendments to the solicitation.

B. Industry Engagement

No industry engagement events are planned for this solicitation.

C. Award Type

MDA will use an Other Transaction for Prototype agreement (Fixed Price) under the authority of 10 U.S.C. §4022 for award(s) under this solicitation. This solicitation and the entry into an Other

Transaction for Prototype agreement will be considered the result of competitive procedures such that a follow-on production agreement may be awarded.

Production agreements and/or contracts are authorized under 10 U.S.C. §4022 as follow-on to an Other Transaction for Prototype agreement that was competitively awarded and successfully completed. As a general matter, successfully completed means the performer (1) met the key technical goals of a project; (2) satisfied success metrics incorporated into the Other Transaction for Prototype or (3) accomplished a particularly favorable or unexpected result that justifies the transition to production.

D. Period of Performance

The period of performance (PoP) for Phase I is limited to 18 months. The PoP for Phase II is 4 years for development, fabrication, ship integration and acceptance testing through sea trials. Following successful acceptance testing and sea trials, Phase II will likely include four (4) 1-year options for operations and maintenance.

E. Funding Availability

Offerors should be aware that funding availability might change with little or no notice.

F. Within-Scope Modifications

Offerors are advised that due to the inherent uncertainty of research and development and science and technology efforts, awards resulting from this solicitation may be modified during performance to make within scope changes, to include but not limited to, modifications which increase the overall ceiling, funding amounts and/or period of performance. Modifications will be governed by the applicable authority.

G. Proposal Response

Proposals should detail the technical approach, design and prototyping capabilities, test plans, schedule, and Phase I pricing model.

Offerors submitting a response to this solicitation shall submit Volumes I - III as defined in Table A and within the required page limits for each volume. Proposals submitted under this solicitation must adhere to the solicitation requirements or it may be considered ineligible for award. The format shall be readable by Microsoft (MS) Word 2016, Adobe Acrobat X Pro and MS Excel 2016, as applicable. The page limits prescribed are maximum page limits for each volume. When both sides of a sheet display printed material, it shall be counted as two (2) pages. Cover pages, tables of contents, cross-reference matrix, tabs, and glossaries shall not be counted against prescribed page limits. Pages submitted in excess of these limits will not be read or considered in the Government's evaluation of the proposal. Text shall be single-spaced, fit on 8½" x 11" paper, with a minimum one-inch margin all around. Pages shall be numbered consecutively within each volume. Text shall be of a minimum 12-point font size using Microsoft (MS)Word Times New Roman. Offerors may use electronic 11" x 17" sized page settings for tables, charts, graphs, or pictures (minimum 8-point font size) that cannot be legibly

presented on 8½" x 11" sized paper and are required to enhance the standard proposal text (this format should be min9imually used). Text outside of tables, charts, graphs or pictures shall be of a minimum 12-point font size. An 11" x 17" is a two-page equivalent with regard to the page count limitations. If the Offeror uses a different format (font, size, margin, etc), the Government reserves the right to adjust the proposal to fit the parameters of the format required by the solicitation. If this results in the proposal exceeding the page limitations in any one area, the Government will not consider those excess pages.

All proposal information shall be submitted in either searchable MS Word or PDF format except for cost/price information (Volume III). Cost/price information shall be submitted in MS Excel and MS Word formats. Each volume shall be submitted as a separately labeled electronic file.

Offerors must ensure that Cost/Price information is only included in Volume III. Do NOT include any pricing information in any other volume. All electronic submissions shall reference the complete solicitation number in the subject line.

The Government anticipates a collaborative and iterative exchange with respondents to this announcement. These exchanges are intended to be fluid, open dialogues between the Government and potential partners to mutually refine and enhance the proposed solutions. The Government may enter into exchanges with any, some or all respondents to mature the response. The objective of these exchanges is to facilitate a mutual understanding and to work towards an OT Agreement. The collaborative process allows for the flexibility needed to arrive at the most effective solution.

Additional instructions:

- Proposals shall not include any external hyperlinks or weblinks other than email addresses as required.
- It is the Offeror's responsibility to ensure the proposal and all associated attachments are securely transmitted and received by MDA no later than the due date specified in the solicitation.

Offerors should notify mda.spair@mail.mil by email that a proposal has been submitted.

Table A

TITLE	Page Limits
Volume I – Agreements Volume	
Tab 1: Cover Letter/Executive Summary	4 pages
Tab 2: Offerors concurrence/edits to the OT Agreement (Attachment 1)	No limit
Tab 3: Business Qualification Form (Attachment 2)	No limit
Tab 4: Business Qualification Justification	1 page
Tab 5: Data Assertions (OTA Attachment 05)	No limit
Tab 6: OCI Disclosure Form (Attachment 3)/OCI Mitigation Strategy	No limit
Volume II – Technical	
Tab 1: Relevant Past Performance	3 pages
Tab 2: Technical Feasibility and Maturity of Solution	7 pages

Tab 3: Schedule for Phase I and Phase II	5 pages
Tab 4: Operations and Maintenance Concept	3 pages
Volume III – Cost/Pricing	
Tab 1: Phase I Pricing Model (Attachment 4)	No limit
Tab 2: Phase I Price Volume Narrative	2 pages
Tab 3: Cost/Pricing Narrative	2 pages
Tab 4: Schedule of Milestones (OTA Attachment 03)	2 pages

Volume I – Executive Summary/Agreement

Cover Letter/Executive Summary shall include Offerors' primary and alternate points of contact with email/phone and who is authorized to contractually obligate the company, CAGE code, unique entity identifier, a statement that the company understands the requirements specified and will meet the performance standards and requirements therein, a statement that the company does or does not take exception to any of the requirements of the agreement, acknowledges use of non-Government advisors and/or teaming information if proposing a teaming arrangement.

A copy of the OT Agreement and associated attachments are provided for review/concurrence with the Articles, terms and conditions or propose edits. The Government's goal is to engage with promising respondents to explore and clarify the technical approach and business arrangement. This process may involve informal communication or collaborate sessions to shape an agreement that offers the best value and innovation. The Offeror shall review the OT Agreement, Attachment 1, and provide concurrence or proposed edits to the Agreement and associated OTA Attachments 01 – 04 in Volume I, Tab 2. Any proposed edits must have track changes to be easily identified. The Offeror must submit a Business Qualification Form, Attachment 2, to indicate eligibility for an Other Transaction for Prototype in accordance with 10 U.S.C. SS 4022(d) as well edit the OT Agreement to indicate the qualification in Volume I, Tabs 2 and 3. The Government prefers Offerors assert that it qualifies based on the use of at least one nontraditional defense contractor or nonprofit research institution participating to a significant extent in the prototype project. The Offeror must submit a justification to support selected assertion for qualification for an Other Transaction for Prototype award in accordance with 10 U.S.C. SS 4022.

The Offeror must submit an OCI Disclosure Form, Attachment 3 of this solicitation, for each instance of MDA-related work (e.g. subcontract, prime contract, etc.) whether contracted by MDA or another Government Agency. Each Offeror must submit, for itself, partners, and subcontractors, an "OCI Disclosure Form" and applicable supporting documents. The submission shall identify all of the team's MDA-funded contracts, subcontracts, or agreements; MDS-related contracts, subcontracts or agreements; and any significant (greater than 35% of revenues) non-MDS related business relationships with firms doing business with or in support of MDA. For each identified contract/agreement, the Offeror shall disclose the contract/agreement number, name and telephone of the Procuring Contracting/Agreements Officer; and a description of the work performance or being performed to assist in the identification of actual or potential OCIs. The MDA prefers that Offerors competing for MDA requirements be free from OCIs and that they avoid or neutralize potential contracts as opposed to proposing mitigation strategies.

While mitigation strategies will not be prohibited, the AO will determine the sufficiency of any proposed strategy. Consequently, Offerors are encouraged to avoid OCIs to the maximum extent practicable and to submit OCI free proposals.

Volume II - Technical

The Offeror's proposal shall address the specific technical response areas defined in Section VIII below. The proposal shall provide the details of the following:

a. **Reference Section VIII, paragraph B. Evaluation Criteria, 1. Relevant past performance (included in page count):** For the SPAIR concept, include a relevant list of both in-house efforts funded by internal research funds and contracts or agreements funded by others. For each such relevant effort, provide a list that includes the title of effort, contract/agreement number, funding organization (customer), a brief summary of results. Include for each relevant effort, descriptions of proven X-band technologies and production assets, proven X-band products integrated into a maritime system, and/or production and test facilities. Identify and provide Program Manager (PM), Principal Investigator (PI), and key personnel team members' resumes, highlighting relevant education and experience related to the proposed effort.

b. **Reference Section VIII, paragraph B. Evaluation Criteria, 2. Technical Feasibility and maturity of solution, a. through d. (included in page count):** Describe, in detail, the feasibility and maturity of the solution. Include description of radar concept, block diagram, subsystem descriptions and sensitivity metric, "PAG"; software reuse and development approach; pedestal concept and manufacturing capacity; and waveform/signal processing.

c. **Reference Section VIII, paragraph B. Evaluation Criteria, 2. Technical Feasibility and maturity of solution, e. (not included in page count) (max of 5 documents):** Provide documentation of X-band radar acceptance test reports used as basis of response to the SPAIR requirement to utilize proven X-band radar technologies in the SPAIR solution. Include PAG measurements for proposed solution.

d. **Reference Section VIII, paragraph B. Evaluation Criteria, 3. Schedule for Phase I and II, a. through c.:** Describe, in detail, how the proposed project will be executed and assume schedule start at 4QFY26. Milestones should indicate when specific objectives are expected to be met in the overall schedule of the program and should identify the specific accomplishments necessary to proceed on to the next task to include suggested PDR and CDR schedule as well as a concept for schedule acceleration with long lead item purchases and/or other opportunities. Describe, in detail, the critical path of activities for the entire project. Identify areas of risk and scientific uncertainties and describe resolution or mitigation approaches. Include an explanation on production capacity to support the proposed schedule.

e. **Reference Section VIII, paragraph B. Evaluation Criteria, 4. Operations and Maintenance, a. through c. (included in page count):** Describe, in detail, the approach

for operations and maintenance during integration with the MRIV, sea trials, IOC and FOC periods.

Data rights and assertions that an Offeror proposes to provide the Government may be considered in evaluating proposals. See OTA Attachment 05.

Volume III – Price

Failure to comply with the solicitation requirements for pricing information may result in an adverse assessment of the Offeror's proposal which may reduce or eliminate its chance of being selected for award. Reference Section VIII, paragraph B. Evaluation Criteria, 5. Price Reasonableness and Realism, a. and b.

MDA reserves the right to request additional information if adequate competition is not received.

For proposal purposes, the Offeror shall provide written proposal information as outlined below. The estimated award date is July 31, 2026. The performance of performance for Phase I is not to exceed 18 months from award.

Proposal Requirements - Offerors shall:

1. Pricing shall be provided in accordance with the instructions provided in the Pricing Model, Attachment 4. The Pricing Model shall include pricing for the SPAIR subtotaled by each of the following ALINs:

ALIN	Description	Agreement Type
0001	Kick-off	Firm Fixed Price (FFP)
0002	PDR	FFP
0003	CDR	FFP
0004	Phase II proposal	N/A
0005	Program Management	NSP
0006	Closeout	NSP

2. The Performer (i.e. Prime Offeror) shall provide supporting documentation to substantiate the proposed price including:

    a. Provide supporting documentation to substantiate the proposed price, including:
        i. Vendor quotes for material or subcontracts.
        ii. Historical cost data or market research used to develop the proposal.
        iii. Cost models or other tools used to estimate costs.
        iv. Detailed documentation shall be retained and made available upon request.

    b. Clearly identify any ground rules, assumptions and/or other conditions on which the Offeror's proposal is based. This includes but is not limited to Government

Furnished Property or Equipment (GFP/GFE), access to testing facilities, etc. Failure to comply with solicitation requirements for pricing information may result in an adverse assessment of an Offeror's proposal which may reduce or eliminate its chance of being selected for award. MDA reserves the right to request additional information if adequate competition is not received.

For proposal purposes, the estimated award date is July 31, 2026. The period of performance for this agreement is not to exceed 18 months from award.

c. For each ALIN proposed, include:
    i. Labor categories and hours
    ii. Material requirements
    iii. Sub-Awardee involvement
    iv. Other Direct Costs (ODCs)

3. Complete the Schedule of Milestones and Payments, OTA Attachment 03 to indicate a Fixed-Price for each milestone. The total of all payments shall not exceed the total proposed price and the total payment for each period shall not exceed the proposed prices in the Pricing Model, Attachment 4.

SECTION VIII. SCOPE, EVALUATION, AND SELECTION

A. Scope

a. The scope and requirement for SPAIR is contained in the SPAIR Statement of Work and Performance Specification. These documents are located in the Offeror's Library. This effort will be executed in two phases, Phase I and Phase II.

b. Phase I of the SPAIR effort includes successfully completing the systems engineering requirements through Critical Design Review (CDR). The Phase I effort will rely on the systems engineering reviews entrance and exit criteria requirements in IEEE STD 15288.2-2014 document to determine successfully completing Phase I. This document is referenced in the SOW.

c. Phase II of the effort includes radar development, fabrication, ship integration and acceptance testing through sea trials. Phase II also includes options for operations and maintenance. Phase II effort will be awarded as a modification to Phase I or a separate contract.

B. Evaluation Criteria

Proposals will be evaluated against the following criteria:

1) Relevant past performance,
2) Technical Feasibility and Maturity of Solution,
3) Schedule for Phase I and Phase II,
4) Operations and Maintenance Concept,
5) Pricing

The Government will assign a category (Highly Recommended, Recommended, Not Recommended) for each criteria. Based on the categorization of each criteria and the assigned weighting, the Government will assign the proposal an overall category (High Recommended, Recommended, Not Recommended). Category definitions are provided in Paragraph C, below.

1. Relevant past performance
    a. Description of proven X-band technologies and production assets
    b. Description of proven X-band products integrated into a maritime system
    c. Description of production and test facilities
2. Technical feasibility and maturity of solution
    a. Description of radar concept, block diagram, subsystem descriptions and sensitivity metric "PAG" (Power-Aperture-Gain)
    b. Software reuse and development approach
    c. Pedestal concept and manufacturing capacity
    d. Approach for Waveform / Signal Processing
    e. Documentation of existing X-band radar system or subsystem acceptance test reports, PAG measurements for proposed solution
3. Schedule for Phase I and Phase II
    a. Realism of planned schedule for PDR, CDR, production, factory acceptance testing and delivery to the PC Replacement home shipyard in Portland, OR. Schedule beyond shipyard delivery is dependent on availability of PC Replacement and will be coordinated with the Government.
    b. Concept for schedule acceleration to include opportunities with long lead item purchases
    c. Include an explanation on production capacity to support the proposed schedule
4. Operations and Maintenance (O&M)
    a. Concept for operations and training during IOC
    b. Concept for operations and training during FOC
    c. Concept for Organizational Level and Intermediate Level Maintenance and Maintenance Training
5. Price Reasonableness and Realism
    a. The Price proposal for Phase I will be evaluated and assessed for Reasonableness and its ability to meet/support the objectives/requirements outlined in the solicitation and adequately addresses/mitigates program risk. The Government anticipates adequate price competition; therefore, the Government expects to determine price reasonableness based upon adequate competition and by using various analysis techniques, to include comparison to the Independent Government Cost Estimate (IGCE), historical costs and/or market research. If after receipt of proposals the AO determines that adequate price competition does not exist, or the AO determines it necessary, the Government may require additional pricing information. An offer may be rejected if the price is determined to be unrealistically low or high, such that it demonstrates a lack of understanding of the requirements or poses an unacceptable risk to the Government. Any proposal that is determined to be unaffordable will not be eligible for award.

C. Category Definitions

Categories are defined as follows:

Highly Recommended: The highest rated proposal and is recommended for selection and normally only displaced by other Highly Recommended proposals. A Highly Recommended proposal may be displaced by another Highly Recommended proposal based on affordability.

Recommended: Proposal is recommended for selection but at a lower priority than Highly Recommended proposals. A Recommended proposal may be prioritized over a Highly Recommended proposal if the Recommended proposal presents a desired approach unlike any of the Highly Recommended proposals.

Not Recommended: Proposal is not recommended for selection.

D. Selection Criteria

Proposals will be selected based on funding availability. The Government reserves the right to select all, some, or none of the proposals submitted to this solicitation.

E. Notices

The MDA Agreements Officer will notify Offerors if their submission was selected or not for award. Notifications will state whether the entire effort or a portion of the effort is being pursued. If an offer is selected for award, the MDA Agreements Officer will contact the Offeror with further instructions. Any communication from the MDA Agreements Officer does not constitute assurance of an award as awards are subject to negotiation and funding availability.

SECTION IX. FEEDBACK

The opportunity to receive feedback on submissions will be stated in non-select notices. The level of detail for such feedback may vary based on content of the submission.

SECTION X. SOLICITATION ATTACHMENTS

1. OT Agreement (Offeror to review, concur/propose track change edits)
2. Business Qualification Form
3. OCI Disclosure Form
4. Pricing Model