RELIABILITY AND MAINTAINABILITY (R&M) ENGINEERING SUPPORT FOR HELICOPTER DIVISION WEAPON SYSTEMS

Requirements

The Government is conducting market research to identify potential sources that possess the facilities, expertise, capabilities, and experience to meet qualification requirements to complete R&M related tasks for helicopter platforms TH-1H, UH-1N, HH-60W and MH-139. These services include, but are not limited to, conducting root cause analysis of in-service failures, developing and updating preventative maintenance procedures, recommending design modifications to improve reliability, and providing on-site technical assistance to maintenance crews, etc.

Government furnished equipment will be provided as outlined in individual task orders as necessary. The Contractor is responsible for providing, maintaining, and calibrating all support equipment required at their facility or a subcontractor's facility. Contractor furnished material or parts used for replacement shall equal or exceed the quality of the original material or parts.

Contractors/Institutions responding to this market research are placed on notice that participation in this survey may not ensure participation in future solicitations or contract awards. The Government will not reimburse participants for any expenses associated with their participation in this survey.

INSTRUCTIONS:

1. This effort is for an 8a setaside. Responses from companies not certified as 8a participants will not be considered.

2. Questions relative to this market survey should be addressed to the Program Manager (PM), Contract Specialist, and Contracting Officer (CO).

PURPOSE/DESCRIPTION

The Government is conducting market research to identify potential sources that possess the facilities, expertise, capabilities, and experience to meet qualification requirements to complete R&M related tasks for helicopter platforms TH-1H, UH-1N, HH-60W and MH-139.

This requirement is for engineering support services. Our strategy is a for five-year cost plus fixed-fee contract (basic plus four option years) and will continue through FY32.

Contractor's facility must be located in the local area of Robins Air Force Base due to the need for frequent face to face reviews and collaborative efforts.

When tasked by the Government, the Contractor shall perform analyses and/or services which include but are not limited to engineering research, rapid solutions, prototypes, integration and technical support services required to isolate and analyze system deficiencies, identification of appropriate solutions and production of all engineering data required to implement the improvements to prevent an adverse impact to rotary-wing aircraft reliability and maintainability. The tasking will be submitted via an Engineering Support Task Request (ESTR) form.

Examples of tasks that will be required on this contract include , but are not limited to:

- Reliability Centered Maintenance (RCM) and Age Exploration (AE) program sustainment tasks such as maintenance data trend analysis, failure mode and effects analysis updates, preventative maintenance package task updates, AE candidate follow-up and updating existing RCM databases
- Targeted Analyses which would include failure analysis, follow- up analysis, and independent technical reviews
- The contractor shall provide engineering and technical expertise in support of avionics systems, aircraft structures, mechanical systems and support equipment as it applies to reliability and maintainability
- Development of technical procedures and technical data updates
- Supportability analyses
- Conduct research related to supportability improvement
- conduct research and analysis for rotary-wingHelicopter Division aircraft repairable items to correct asset shortfalls and maintain designated asset supply levels
- fabricate or procure hardware or software to be utilized in modifications/upgrades as required by individual ESTRs
- accomplish data mining/trend identification tasks
- integrate new technologies into current system architectures to enhance reliability and maintainability as specified
- provide engineering support to resolve electrical, avionics and EMI/EMC deficiencies on rotary-wing aircraft
- In the cases of EMC/EMI compatibility or where proposed mechanical or electrical solutions do not comply with form, fit, function, and interface requirements, the contractor shall analyze the test plan(s) and other existing TDPs that define the platforms to ensure possible deficiencies are detected and resolved
- provide hazard identification through safety analysis conducted on system/subsystem modifications, engineering change proposals, mishap data and deficiency reports
- provide engineering support to isolate and analyze aircraft functional system deficiencies, identify appropriate solutions and produce all engineering data required to implement the improvements to prevent an adverse impact to rotary-wing aircraft reliability and maintainability
- rapid response to field locations for “no notice” deficiency, grounded aircraft and mishap support
- assist in maintaining configuration management for rotary-wing weapon systems

- perform R&M evaluation and insertion of new technology into existing helicopter systems for modernization to improve performance, reliability, maintainability, and survivability of weapon systems, subsystems, and the support equipment
- develop and provide prototypes, pre-production items, or one-time production items in quantities as specified in the ESTR to allow for testing by both the contractor and Government. The contractor shall provide prototypes, pre-production units, or one-time production units, conduct tests and evaluate the item(s) against specified requirements, and deliver an industry-validated technical documentation package
- modification/changes/updates to engineering drawing packages, technical orders (TO), Flight Manuals and time compliance technical orders (TCTO)
- provide engineering and technical installation services to support trial install/kit proof activities as they apply to reliability and maintainability
- investigate failure modes for low Mean Time Between Failure (MTBF) components and develop/recommend solutions to improve MTBF via component redesign, material changes and/or maintenance practice changes

CONTRACTOR CAPABILITY SURVEY

Reliability And Maintainability (R&M) Engineering Support For Helicopter Division Weapon Systems

Part I. Business Information

Please provide the following business information for your company/institution and for any teaming or joint venture partners:

- Company/Institute Name:
- Address:
- Point of Contact:
- CAGE Code:
- Phone Number:
- E-mail Address:
- Web Page URL:
- Government Proposed North American Industry Classification System (NAICS) Code: 541330

  Based on the Government proposed NAICS Code, state whether your company is:
  - Small Business (Yes / No)
  - Woman Owned Small Business (Yes / No)
  - Small Disadvantaged Business (Yes / No)
  - 8(a) Certified (Yes / No)
  - HUBZone Certified (Yes / No)
  - Veteran Owned Small Business (Yes / No)
  - Service Disabled Veteran Small Business (Yes / No)
  - System for Award Management (SAM) (Yes / No)
  - A statement as to whether your company is domestically or foreign owned (if foreign, please indicate the country of ownership).

Responses to the Capability Survey Part I and Part II must be received no later than close of business 29 JUN 2026. Please ensure data is in a readable electronic format that can be received through a firewall. Attachments shall not to exceed 10 MB per email. Multiple emails are acceptable. Responses must be sent via email to the following:

- Phillip Russell, Contracting Officer (phillip.russell.9@us.af.mil)
- Soo Lee, Contract Specialist (soo.lee.4@us.af.mil)
- Michelle Privette, Program Manager (michelle.privette@us.af.mil)

Questions relative to this market research should be addressed to the PCO.

Part II. Capability Survey Questions

A. General Capability Questions:

1. Describe briefly the capabilities of your facility and nature of the goods and/or services you provide. Include a description of your staff composition and management structure.

2. Describe your company's past experience on previous projects similar in complexity to this requirement. Include contract numbers, a brief description of the work performed, period of performance, agency/organization supported, and individual point of contact (Contracting Officer or Program Manager).

3. Describe your company's experience with the helicopter platforms listed in the Purpose/Description section of this RFI.

4. Describe your company's capabilities related to completing the tasks listed in the Purpose/Description section of this RFI.

5. Describe your company's capabilities for generating, handling, processing and storing classified (SECRET) material and data.

6. Describe your company's capabilities and experience in generating technical data, engineering drawings and manuals. Identify what software programs are utilized to generate these data products and what formats are available for delivered items.

7. What is your company's current maximum capacity per month for this particular type of requirement? Provide information on any facility reserves you may possess to increase capacity in the event of an immediate need do to critical operational mission requirements.

8. What quality assurance processes and test qualification practices does your company employ? Provide a description of your quality program (ISO 9001, AS9100, etc.).
    a. Provide a detailed quality plan implementing AS9100 (or equivalent).

B. Commerciality Questions:

1. Is there established catalog or market prices for our requirement?

2. If you offer this product and/or service to both U.S. Government and commercial sources, is the same workforce used for both the U.S. Government and general public?

3. Is our requirement offered to both under similar terms and conditions? Briefly describe any differences.

4. Describe your standard warranty and return process for goods and services furnished to the government for items similar in nature to this requirement.