Request for Information (RFI)

Aircraft-to-Computer Interface Device

Naval Air Warfare Center Aircraft Division

(PMA-262 Program Office)

RFI Number: N68335-26-R-1081

Classification Code: 7B20 – IT and Telecom - High Performance Compute (Hardware and Perpetual License Software)

NAICS Code(s): 334111 – Electronic Computer Manufacturing

REQUEST FOR INFORMATION

PURSUANT TO FAR 15.201(e) - THIS IS A REQUEST FOR INFORMATION (RFI) ONLY. This RFI is issued solely for information and planning purposes – it does not constitute a Request for Proposal (RFP) or a promise to issue an RFP in the future. This request for information does not commit the Government to contract for any supply or service whatsoever. Further, the government is not at this time seeking proposals and will not accept unsolicited proposals. Responders are advised that the U.S. Government will not pay for any information or administrative costs incurred in response to this RFI; all costs associated with responding to this RFI will be solely at the interested party's expense. Interested parties are responsible for adequately marking proprietary or competition sensitive information contained in their response. Proprietary information will be safeguarded in accordance with the applicable Government regulations. Failure to respond to this RFI does not preclude participation in any future associated RFP that may be issued.

BACKGROUND/PURPOSE/TECHNICAL REQUIREMENTS

The Naval Air Warfare Center (NAWC) (XXX Program Office) is soliciting information and comments from industry on its ability to provide a non-developmental or commercial-off-the-shelf device to interface between the MQ-4C Triton Aircraft and a Support Equipment (SE) computer.

The Getac X500G3 Ruggedized Laptop, otherwise known as the Dynamic Information Notebook Organizer (DINO, P/N 504045-1001), interfaces with the Air Vehicle via SE to meet maintenance requirements. The Getac X500G3 laptop is end-of-life and requires a replacement. The current interface device is the chassis of the DINO laptop (i.e., the interfacing ports in the current configuration are part of the laptop hardware itself). PMA-260 and PMA-262 are pursuing a common laptop solution across aircraft platforms that requires an independent interface device. Additionally, Lakehurst is pursuing an Aircraft-to-Computer Interface Device (ACID) to allow simpler and more manageable configuration management of laptops while maintaining aircraft interface compatibility. The interfaces are also required to be ruggedized. The government will provide the draft specification to the ACID and are soliciting feedback from industry on feasibility and alternate solutions.

RESPONSES

Requested Information

Section 1 of the response shall provide administrative information, and shall include the following as a minimum:

- Organization name, mailing address, overnight delivery address (if different from mailing address), phone number, fax number, and name and e-mail of designated point of contact.
- Business type (large business, small business, small disadvantaged business, 8(a)-certified small disadvantaged business, HUB Zone small business, woman-owned small business, very small business, veteran-owned small business, service-disabled veteran-owned small business).
- Country of origin for main component(s) (if applicable)

Section 2 of the response shall provide technical information, and shall include the following as a minimum:

- Feasibility and comments on Draft Specification Provided: Please review the attached draft specification and provide feedback on the feasibility of the requirements. Are there any requirements that are unclear, overly restrictive, or technologically challenging to achieve?
- Proposed Solutions: Describe your proposed solution for the docking device (ACID). This should include details on the design, materials, and any innovative features that would be beneficial for this application.
- Company Experience and Capabilities: Provide an overview of your company's experience in designing and manufacturing similar docking devices or other ruggedized electronic equipment for the aerospace or defense industries.
- Technical Information: Please provide information regarding your company's technical capabilities, including design, engineering, and manufacturing processes.
- Rough Order of Magnitude (ROM) Cost and Schedule: Provide a non-binding, rough order of magnitude cost estimate for the development and production of the docking device, as well as a preliminary project schedule.
- Potential Risks and Challenges: Identify any potential risks or challenges you foresee with this project and suggest possible mitigation strategies.
- Respondents should provide a detailed description of the following characteristics of their solution in their submission (responses that include information detailing potential tradeoffs or alternative solutions is encouraged):
  - Product specification, sketches, or listings of authorized distributors are not to count as part of the page count.

    - Operation
      - Power consumption is constrained by design solution. No constraint identified
      - Will be tested in accordance with Method 501.7 and 502.7 Procedure I (storage) and Procedure II (operating) of MIL-STD-810H
      - Humidity range in relative humidity (operating & non-operating)

    - Normal use is defined as a duty cycle of operating 8 hours per day at 100% usage within the flight-deck environment and non-operating 16 hours per day within a hangar environment
- Features
    - Portability shall be one man liftable per MIL-STD-1472
    - Any memory or storage shall be volatile
    - Ruggedization features and standards per MIL-STD-810
    - I/O interfaces

USB Type A 3.0	2
HDMI (Video)	1
VGA	1
USB Thunderbolt 3.0	1
MIL-STD-1553B (2-channel) D38999/42WC35PA	1
Ethernet 10/100 (RJ-45) D38999/20WA35PN	1
Ethernet Gigabit (RJ-45) D38999/20WB35PN	1
Ethernet 10/100 (RJ-45)	2
Serial Port (RS-232)	2

- If applicable and able, respondents shall include a list of Department of Defense (DoD), Department of Justice (DoJ) or Department of Homeland Security (DoHS) programs of record that currently employ their solution. It would be helpful if a sponsor POC for each program, with email address and phone number could be identified.
- The Government is interested in receiving vendors' price lists for items they believe meet the need in this RFI. Supplying price data does not imply a contractual obligation and must be provided and marked as PRICE DATA.
- Respondents should include a list of authorized distributors.

ADDITIONAL INFORMATION

In response to this RFI, respondents shall submit written responses, not-to-exceed fifteen (15) pages in length via electronic mail. Product specification, sketches, or listings of authorized distributors will not count toward the page limitation. The Government is interested in identification of long lead items(s), sub-systems(s), or systems(s).

The Government does not intend to award a contract on the basis of this request or to otherwise pay for the information solicited. Proprietary information will be safeguarded in accordance with the applicable Government regulations. All information received in response to the RFI that is marked PROPRIETARY will be handled accordingly. The Government will not be liable for or suffer any consequential damages for any proprietary information not properly identified. Responses to this RFI will not be returned. Respondents will not be notified of the result of the review.

Failure to respond to this RFI does not preclude participation in any future associated RFP that may be issued. Information provided in no way binds the government to solicit or award a contract. If a solicitation is released, it will be synopsized on the Beta System for Award Management (SAM) website: www.sam.gov. It is the potential vendor's responsibility to monitor this site for the release of any follow-on information.

HOW TO RESPOND

Interested parties are requested to respond to this RFI with a PDF Document Format. Responses shall be limited to 10 pages and submitted via e-mail only to Michael Kirchner and Kevin Turner michael.d.kirchner2.civ@us.navy.mil, kevin.p.turner.ctr@us.navy.mil. Proprietary information, if any, should be minimized and must be clearly marked. Responses are due no later than 30 June 2026 5:00 P.M. EST.

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