

Request for Information (RFI)
Under the
Expeditionary Missions Consortium – Crane (EMC²)
Number: N00164-24-9-0001

EMC²-RFI-26-01
EOSS to Support MK34 and MK48 GWSs

RFI Issue Date: February 4, 2026

RFI Responses Due: March 18, 2026, 2400 EST

Background

This Request for Information (RFI) is issued by the Expeditionary Missions Consortium – Crane (EMC²) in support of the Naval Surface Warfare Center for the specific topic area identified below. The Topic Sponsor desires to collaborate with EMC² Members and industry to discuss the topic and possibly shape future EMC² Request for Solutions (RFS). Interested respondents are encouraged to contact the technical point of contact (TPOC) for the perspective topic for further information.

Feedback will not be provided and responses to the RFI papers will not be returned.

This program has been initiated to create a competitive environment for the replacement of the MK20 MOD 1 Electro-Optic/Infrared (EO/IR) Sight System (EOSS) whose predecessors were MK20 MOD 0 EOSS and MK46 Optical Sight System (OSS). The EOSS is not a stand-alone system. The EOSS SHALL interface with the Gun Weapon System (GWS) Local Area Network (LAN) and be remotely controlled by government furnished MK160 Gun Computer System (GCS) console(s) for both operations and maintenance. The EOSS will be installed on at least U.S. Navy Ticonderoga class cruisers (CG-47), U.S. Navy Arleigh Burke class destroyers (DDG-51), U.S. Coast Guard (USCG) Legend class National Security Cutters (NSC) (WMSL-750), and USCG Heritage class Off-shore Patrol Cutter (OPC) (WMSM-915). Primary use of the EOSS is to act as the gun sight for the MK34 and MK48 GWS in the visible and thermal spectrum. Ancillary uses of the EOSS may include enhancing the following: low-visibility and night navigation; coastal observation and surveillance; identification (ID) friend or foe; real-time situational awareness and threat warning; reconnaissance and surveillance; and documenting navigational hazards.

RFI Topic

EMC²-RFI-26-01: EOSS to Support MK34 and MK48 GWSs

RFI Topic Sponsor: NSWC Crane for PEO IWS 11G

Objectives

- Obtain a better understanding of the current EOSS market
 - Delivery timelines
 - prototype capabilities
 - production capabilities
 - Integrated Logistics/Product Support timelines
 - Government Purpose rights

Topics to be Addressed within RFI Response

- 1) If selected by October 1, 2026, when could an EOSS prototype be provided to the Government meeting the threshold requirements of the performance specification?
- 2) If selected by October 1, 2026 to deliver an EOSS prototype to the Government by April 1, 2027:
 - a) Which threshold requirements from the specification would not be available in the prototype?
 - b) What are the specific major timeline drivers for delivering an EOSS prototype?
Examples: long lead items, component availability, processes, resources, skill set, etc.

- c) How can the Government specifically help reduce timelines and constraints for prototypes?
Examples: pre-buying and providing materials and/or components, waivers, etc.
 - d) Which elements of Integrated Logistic/Product Support could be included with this EOSS prototype. Predictive integrated product support and data logistics is also acceptable.
- 3) In the event a prototype is successful by October 1, 2027, and if a follow-on production contract is awarded when could EOSS production units start being provided to the Government meeting the threshold requirements of the performance specification?
 - 4) In the event a prototype is successful by October 1, 2027 and if a follow-on production contract is awarded to deliver EOSS production units to the Government starting April 1, 2029:
 - a) Which threshold requirements from the specification would not be available in the production units?
 - b) What are the specific major timeline drivers for delivering an EOSS production units?
Examples: long lead items, component availability, processes, resources, skill set, etc.
 - c) How can the Government specifically help reduce timelines and constraints for production units?
Examples: pre-buying and providing materials and/or components, waivers, etc.
 - d) Which elements of Integrated Logistic/Product Support could be included with this EOSS production units. Predictive integrated product support and data logistics is also acceptable.
 - 5) How many production units could be delivered per year and how often could production units be delivered?
 - 6) What Government Purpose Rights are available for the prototype and production units?
 - 7) How are Government Purpose Rights costed?
Examples:
 - a. Government Purpose Rights to any data required for integration to ship are included in price of prototype or production units.
 - b. Full Government Purpose Rights to all data mechanical, electrical, software, optical, etc. is priced at the equivalent of ten years of production.

Note:

- **Use (U) DRAFT PERFORMANCE SPECIFICATION FOR EOSS TO SUPPORT MK34 MK48 GWS 02012026.pdf.**
- **Similar RFI posted under Notice ID N0016422SNB26 at <https://sam.gov> on February 7, 2022**

Format Requirements of the RFI Papers

- 10-page limit, inclusive of contact information.
- Times New Roman 10 (or larger) Single-spaced, single-sided, 21.6 x 27.9 cm (8.5 by 11 inches).
- Smaller type may be used in figures and tables, but must be clearly legible.
- No pictures of a marketing/advertising nature or hyperlinks are allowed.
- File format must be Microsoft Word or PDF.
- These RFI submissions will be shared with the Sponsor; therefore, all information must be **non-proprietary**.
- Do not submit classified information.

Eligibility

Any industry member is authorized to submit a solution for the listed RFI above. However, to be eligible to respond to any future RFS, respondents must be a member of the EMC² Consortium and be a 'Member in Good Standing'.

Submission Instructions

Respondents are required to submit complete RFI documents that demonstrate the objectives identified above.

Submit responses and technical questions to the ATI email address listed below:

emc.responses@ati.org

For general submission questions or if you need a secure link to send CUI documents, please contact the EMC² Consortium Manager, ATI, at emc@ati.org. Visit the EMC² website at emccrane.org for membership requirements.

This RFI is issued solely for information purposes. It does not constitute an RFS or a promise to issue an RFS in the future. This RFI does not commit the Government to contract for any supply or service in any manner. Respondents 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 parties' expense. Not responding to this RFI does not preclude participation in any future RFS, if any is issued.