



REQUEST FOR INFORMATION

Surface Movement Radar, Model 4 (SMR4)

This Request for Information (RFI) pertains to the Surface Movement Radar, Model 4 (SMR4) procurement that the Federal Aviation Administration (FAA) is seeking to acquire as part of its Airport Surface Detection Equipment, Model 3 (ASDE-3) Surface Movement Radar (SMR) Replacement project.

1 INTRODUCTION/PURPOSE

The purpose of this RFI is to solicit cost/price feedback, release the draft SMR4 Screening Information Request (SIR) documents (SIR Contract Sections C, J, L, M), and to solicit industry comments regarding the planned acquisition. The draft SIR release is an effort to promote open communication with vendors and to improve the quality of the subsequent Screening Information Request/Request for Offer (SIR/RFO).

The SMR4s will be installed at up to 34 locations. The FAA expects to utilize a largely Commercial Off-The-Shelf (COTS) system to replace the existing ASDE-3 SMRs.

The FAA anticipates the requirement to include the purchase of Surface Movement Radar systems, and to integrate it into the FAAs existing Surface Surveillance Systems. The detailed procurement requirements comprise the following, but are not limited to these items:

- 1) Procurement of the SMR4 hardware and software
- 2) Development of an interface between the SMR4 and the Surface Surveillance Systems in accordance with the SMR4 Interface Requirements Document (IRD) (Attachment 3)
- 3) Testing the SMR4 to verify it meets all requirements in the SMR4 System Specification Document (SSD) (Attachment 2)
- 4) Hardware and software data rights for SMR4 sustainability
- 5) Installation and integration of the SMR4 at designated locations, including
 - a) Removal and disposition of the existing ASDE-3 SMRs
 - b) Design and installation of a cover to seal the tower roof after ASDE-3 antenna removal and provide a mounting location for the SMR4 Antenna
- 6) Provision of support services for Program Management, System Engineering, System Design and Development, System Test and Evaluation, Training, Production, Implementation, Integrated Logistic Support, Engineering Services, and General Engineering/Technical Services.

A list of acronyms is provided in Attachment 2 Section J - SMR4 System Specification Document (SSD).

The RFI is being issued in accordance with FAA Acquisition Management System Procurement Guidance T3.2.1.2.1 Market Research and Analysis. The purpose of this RFI is to gather cost information and trends and to improve vendors' responsiveness to subsequent solicitation. Based on the information received from the Market Survey, published on June 2, 2021, the FAA has decided to conduct this procurement under an unrestricted competitive process.

2 DISCLAIMER

This is a Request for Information (RFI). This RFI shall not be construed as a Request for Offer (RFO) or a Screening Information Request (SIR). The Federal Aviation Administration (FAA) will use responses to this RFI for informational purposes only. The FAA does not intend to select or qualify proposals or offers based on responses to this RFI. The FAA is not seeking, nor accepting unsolicited proposals. The FAA will not pay for any information received or costs incurred in preparing the response to the RFI, or costs incurred in reliance on this RFI, or otherwise pay for information obtained via this RFI or in response to this notice. Any costs associated with a response to this RFI are solely at the interested vendor's expense. The FAA reserves the rights to have communication with any or none of the respondents and, upon submittal, any documentation and information becomes the property of FAA.

To the extent that information received in response to this RFI is proprietary or otherwise confidential commercial information, the vendor should mark its response with a restrictive legend, and will provide justification to the FAA of such designation if requested. Proprietary or otherwise confidential commercial information will be for the sole use of the FAA and will be treated appropriately with regards to the markings. This paragraph in no way alters the FAA's obligations under existing law, however, including any duties owed by the FAA under the Freedom of Information Act. A response to this RFI is not a prerequisite for future procurement consideration.

3 QUESTIONS AND COMMENTS

Interested vendors should email any questions or comments regarding this RFI to the Contracting Officer, Troy Teachey, at Troy.Teachey@faa.gov and the Contract Specialist, Aleksandra Skoric, at Aleksandra.Skoric@faa.gov no later than November 4, 2022, by 3:00 PM EDT. Questions or comments regarding this RFI must be limited to aspects of this announcement that affect the preparation of RFI responses.

The FAA will not publicly release or distribute any of the information contained in the RFI responses. It is the responsibility of the interested vendor to monitor this announcement for any updates on the sam.gov website.

4 DRAFT SIR DOCUMENT REVIEW

The FAA requests vendor feedback on the draft SIR documents to be provided in accordance with the below table. The table includes specific Focus Areas; however, responses are not restricted to these Focus Areas. All vendors must use the SMR4 Draft SIR Response Matrix (Attachment 6) for all Draft SIR feedback.

Draft Document	Focus Areas	Matrix Tab Attachment 6
SMR4 SOW Attachment 1	Overall vendor scope of work to include the elements listed in RFI Section 1 above.	1
SMR4 SSD Attachment 2	System Requirements: identify requirements that may not be achievable, may be too restrictive, or may require system modification. If a requirement change is recommended, include rationale.	2
SMR4 IRD Attachment 3	Interface Requirements: identify requirements that may not be achievable. If a requirement change is recommended, include rationale.	3
SMR4 SIR Section I Attachment 4	Is the provided guidance sufficient for development of a proposal? Identify elements that may inhibit proposal development.	4
SMR4 SIR Section M Attachment 5	Identify issues with proposed evaluation methods and criteria.	5
Other	Any other vendor questions, comments, rationale/ suggestions	6

Note: the SMR4 Draft SIR Response Matrix includes a proprietary column. Any feedback that respondents consider proprietary should be identified with a “Y” in the proprietary column; otherwise, populate this column with an “N”. The FAA will not provide feedback on any of the submitted materials. The FAA will not publicly release or distribute any of the information contained in the RFI responses.

5 SUBMITTAL REQUIREMENTS FOR RFI

Vendors are requested to submit the following:

1. Company name and address, URL of company website (if applicable), and point of contact with telephone number, and please fill out Business Declaration Form (Attachment 7). Please use SAM Unique Entity Identifier Number¹ instead of DUNS Number as part of the Attachment 7.
2. Completed SMR4 Draft SIR Response Matrix (Attachment 6). Please use Attachment 6 to submit feedback on the SIR Sections as referenced in RFI Section 4.
3. A Rough Order of Magnitude (ROM) for each of the following provided in separate excel files:
 - a. Assumptions and ROM Cost to develop and test the SMR4 interface,
 - b. Assumptions and ROM Cost to remove and dispose of the ASDE-3 SMR, and
 - c. Assumptions and ROM Cost to design and install a tower cover with antenna mount.

¹ This SAM.gov page contains resources to help you through the transition from DUNS Number to Unique Entity ID (SAM) [SAM.gov | Duns - Sam UEI](https://sam.gov/duns-to-sam-uei)

The ROMs will be used solely for informational and planning purposes only.

All responses must be submitted in writing and in the English language. Oral responses to this RFI are not allowable. Page size must be 8-1/2 by 11 inches with one-inch margins. The text font must be in Times New Roman 12-point. Please note that the FAA email server restricts file sizes to ten (10) megabytes per email. Larger files must be submitted in more than one email.

The following schedule provides applicable due dates for each phase of the RFI:

Date	Event
Oct. 25, 2022	RFI Released
Nov. 4, 2022	RFI Clarification Questions Due
Nov 21, 2022 by 5 PM EDT	Vendor to submit response to RFI

The FAA may request clarification to responses directly related to this RFI through direct contact with respondents.

Respondents should identify and clearly mark any proprietary information contained in their submissions.

FAA does not intend to post responses to vendor clarification questions on www.sam.gov.

6 DELIVERY OF SUBMITTALS

Interested parties are requested to submit their completed submittals outlined in RFI Section 5 to the Contracting Officer, Troy Teachey, at Troy.Teachey@faa.gov and the Contract Specialist, Aleksandra Skoric, at Aleksandra.Skoric@faa.gov no later than **November 21, 2022**, by 5:00 PM EDT.

7 ATTACHMENTS

1. Draft SIR – Section C - SMR4 Statement of Work (SOW)
2. Draft SIR – Section J - SMR4 System Specification Document (SSD)
3. Draft SIR – Section J - SMR4 Interface Requirements Document (IRD)
4. Draft SIR – Section L - SMR4
5. Draft SIR – Section M - SMR4
6. SMR4 Draft SIR Response Matrix
7. Business Declaration Form

END OF ANNOUNCEMENT