



S²MARTS Project 20-03: Radio Frequency Spectrum Dominance

Request for Solutions (RFS) Questions & Answers | Posted 10 June 2020

1. **Question:** Is it possible to get the proposal deadline extended by at least a week? Will the government extend the deadline for RFS response? Is it possible to get an extension on the proposal deadline? (Three separate request for RFS extension)

Response: The submission deadline will not be extended.

2. **Question:** What is the difference between a "Technical Report" and "Final Technical Report"?

Response: Technical reports are interim progress and may or may not coincide with the final technical report at completion of a phase.

3. **Question:** Will the government provide more specific information about the scenarios/signals of interest considered anomalous (number, type, and location in the spectrum)?

Response: Any RF signals between 40 MHz and 6 GHz may be considered a signal of interest.

4. **Question:** Are these systems to be used afloat?

Response: The solution is desired to be static at a fixed location.

5. **Question:** Are you looking for a visualization tool and geolocation capabilities?

Response: Yes. Vendors may propose any unique solution to address the problem.

6. **Question:** What do you want to see in the Basis of Estimate?

Response: If a Basis of Estimate is submitted, it is recommended that the information provided is sufficient enough for Government evaluators to understand how the proposed price was developed, including information such as pricing methodology, calculations, and assumptions.

7. **Question:** Is the government open to changing from FFP to CPFF?

Response: The Government expects all proposals to be on a FFP basis.

8. **Question:** What are the requirements for the accuracy of detection results?

Response: No accuracy requirements have been specified. Vendors may propose any unique solution to address the problem.

9. **Question:** Is this envisioned as a mounted capability?

Response: The solution is desired to be static at a fixed location.

10. **Question:** What are the requirements for the timeliness of detection results?

Response: No timeliness requirements have been specified. The system is intended to operate in real time.

11. **Question:** In regard to deliverable #3 Virtual Database: Will there need to be a light weight local data store available to the system when cloud is not available?

Response: The vendor is responsible for proposing computational and/or hardware requirements for the implementation of their solution.

12. **Question:** Phase 1, 2 and 3 Infrastructure – What IT infrastructure, if any, will the government provided?

Response: The vendor is responsible for proposing computational and/or hardware requirements for the implementation of their solution.

13. **Question:** Would you clarify “a software tool that is capable of scraping the Internet”.

Response: Any internet tool would primarily be looking at internet traffic as it pertains to a communications path.

14. **Question:** Does the customer expect Phase II to reach the classified level? If not, probability of phase III becoming classified?

Response: Classification levels are specific to the solution proposed.

15. **Question:** TASK1-3: Does the desired state of this RFS culminate in one holistic, integrated solution, or three independent solutions?

Response: One solution.

16. **Question:** Who will be responsible for the cyber security / accreditation of the solution?

Response: The government will be responsible for the cyber security / accreditation of the solution.

17. **Question:** TASK 2: Should accreditation timelines for cross-domain solutions and deliverables be factored into the response?

Response: If CDS solutions are required, they should be proposed as part of the vendors proposed solution.

18. Question: Can you please further explain the intended results to be provided via the internet signal analysis?

Response: The tool is not meant to identify and detect signals, not analyze the content of signals. Any internet tool would primarily be looking at internet traffic as it pertains to a communications path.

19. Question: TASK 2-3: What are the existing architectural resources that will host the resultant capabilities of Task 2 & Task 3? Can specifics be obtained/provided?

Response: The vendor is responsible for proposing computational and/or hardware requirements for the implementation of their solution.

20. Question: Will the system be required to provide offline or disconnected operations?

Response: Offline or disconnected operations have not been specified. Vendors may propose any unique solution to address the problem.

21. Question: Who is responsible for the RMF accreditation process?

Response: Any accreditation requirements not specified are not required by the vendor.

22. Question: “scraping the Internet”. Is this include wired network? Or wireless only?

Response: The capability of the internet/Wi-Fi/IP traffic monitoring is limited to wireless transmission paths.

23. Question: What level of integration is required in each phase? Will each deliverable be evaluated individually or as an integrated solution?

Response: The level of integration required in each phase is dependent on the vendor solution.

24. Question: Anticipated classification levels of each deliverable (RF, Internet scraping, & virtual database)? Determines req for cross-domain between the deliverables

Response: Classification is dependent on the vendors proposed solution.

25. Question: What is the intended start date for phase 1?

Response: Anticipated Phase 1 will begin during Q4 of FY20

26. Question: Ph 3 description identifies support extended user evaluations, training materials & logistics, no deliverables are identified in the deliverable table for Ph 3

Response: The P3 final report should include documentation, training materials, lessons learned.

27. **Question:** Will demo of all 3 del (RF processing, Internet scaping & virtual DB) be required in Ph 1 or will the 1st opportunity to demo integrated solution in Ph 2?

Response: Any proposed solution must be demonstratable in Phase 1 before progressing to Phase 2.

28. **Question:** Access to MUTC test range: how often does the contractor have access to the test range during phase 2?

Response: The quantity of test events required at MUTC should be included in the proposal.

29. **Question:** Are you expecting this solution to be able to process over the air cellular (3/4/5G) traffic and see the content in order to identify the social media traffic?

Response: Any RF signal between 40MHz and 6Ghz is a potential signal of interest.

30. **Question:** Would it be desirable to analyze environment RF signals at the data or protocol later? e.g. is payload inference a desirable feature?

Response: There is no requirement to analyze the RF signals at the data or protocol layer. However, vendors may propose any potential solution to address the problem.

31. **Question:** Does the customer expect Phase II to reach the classified level? If not, probability of phase III becoming classified?

Response: Classification is dependent on the vendors proposed solution.

32. **Question:** should known friendly signals also be displayed? e.g. should spectrum 21 / JFRL data be utilized to help identify known friendlies?

Response: All signals of interest should be identified. Vendors may propose any unique solution to address the problem.

33. **Question:** Is the SW tool expected to analyze social media traffic in other languages other than English?

Response: RF signals of interest are the target, independent of languages.

34. **Question:** Is contiguous, concurrent coverage from 40 MHz to 6 GHz req'd or is a banded approach with focus on key frequencies (e.g., WiFi, 3G, etc.) for reduced SwAP ok?

Response: The vendor may propose any unique solution to address the problem.

35. **Question:** This sounds to be more focused on the RF spectrum monitoring vice analytical tool set, is that correct?

Response: There is no requirement for an analytical tool set, the primary function of the tool is to detect and identify RF signals of interest.

36. Question: Will this tool need to work afloat?

Response: The solution is desired to be static at a fixed location.