



**S²MARTS Project:**  
**Command Post Survivability & Vehicular Mobility at US Army National Training Center (NTC)**  
**Project TalX Question & Answer | Date: April 7, 2022**

**1. Question: No GFE UAS is indicated in the addendum; what is plan for the PC2 relay approach? Vendor to provide UAS, or HWIL demo?**

Answer: Vendor is expected to provide UAS. Relay based on vendor approach.

**2. Question: Are UAS relays expected for case 5?**

Answer: Yes.

**3. Question: Can a tethered UAS be offered?**

Answer: The operational vision is untethered. However, a goal of this effort is to transition the UAS's payload to a POR UAS platform, not the UAS itself. Therefore, vendors may propose tethered UAS as part of their solution.

**4. Question: Is the offeror provided UAS expected to be delivered/leave behind? Or loaned for experimentation?**

Answer: The UAS platform will be used by the offeror through the end of phase 3 and is not expected to be a deliverable.

**5. Question: Will the UAS Autonomy need to interact or provide autonomy for the team of vehicles?**

Answer: Autonomy is not required.

**6. Question: For the UAS, is the UAS expected to provide relay between vehicles even if the command post network is not available?**

Answer: Yes.

**7. Question: Will the command post will always be at the halt or will it be operational on the move with multiple vehicles connected via a mobile 5G infrastructure?**

Answer: The RFS only specifies at-the-quick-halt (ATQH) requirements for CP vehicles (see Table 2 of the CUI RFS Addendum). However, solutions that also support on-the-move (OTM) operations may be considered value added.

**8. Question: What is the number of CP vehicles targeted for Use Case 1?**

Answer: Refer to CUI RFS Addendum Table 5.

**9. Question: Is it correct to assume that the success criteria in Section 7 must be met in Phase 3, to support full vehicle integration and NTC? Can you clarify timelines?**

Answer: Success criteria is for phase 3 and up to vendor to propose suitable timeline to mitigate risk.



- 10. Question: The MIL-STD-1275E indicates 28VDC; however, the RFS indicates 24VDC onboard, can you confirm the DC voltage?**
- Answer: Should operate according to MIL STD 1275E ranges.
- 11. Question: Do you foresee a requirement for a multi 5G core solution?**
- Answer: Up to vendor approach.
- 12. Question: Can you provide Colorless Core ICD? This is not mentioned in the RFS or CUI document?**
- Answer: Command Posts have a Tactical Communications Node (TCN) that provides wide area networking using military transmission systems and 'colorless core' security architecture. Data and routing interfaces are based on commercial standards. Further information on the TCN will be provided to vendors after contract award.
- 13. Question: Is there a preferred 5G option/architecture of interest? Non-stand-alone (NSA) or Stand Alone (SA)?**
- Answer: Refer to Table C of Appendix C of the CUI RFS Addendum.
- 14. Question: Does the network support EN-DC, NR-DC or both?**
- Answer: EN-DC only.
- 15. Question: Is offeror providing the network only and government will provide mission applications that run in the network?**
- Answer: Mission Command Applications are GFE.
- 16. Question: Are O-RAN compliant solutions preferred?**
- Answer: Refer to Table C of Appendix C of the CUI RFS Addendum.
- 17. Question: Are you limiting your area of concern to the lower layers of the network stack 1-3, or are you interested in technologies that involve higher layers?**
- Answer: Up to vendor approach, however not seeking applications.
- 18. Question: Is there a preferred millimeter wave band for these experiments?**
- Answer: Up to vendor approach.
- 19. Question: What specific LTE and NR bands are available for use?**
- Answer: CUI RFS Addendum Appendix C addresses the Host Nation LTE and NR bands. Vendors are expected to utilize NR bands for the private networks.
- 20. Question: To continue the response about “currently supported by 5G spectrum;” are the bands made available for commercial 5G in the US (CBRS, CBand, 3.45) included?**
- Answer: Refer to Appendix B of the CUI Addendum.



**21. Question: Is DSS used as part of the surrogate Host Nation network?**

Answer: DSS is not supported on the Host Nation network.

**22. Question: You specified Dynamic Spectrum Access for PC1. Can you elaborate? Also, why is it not part of PC2?**

Answer: Dynamic Spectrum Access (DSA) is not specifically required in the RFS. DSA is mentioned as an example of research which offers innovations in dynamic spectrum use.

**23. Question: Is Dynamic Spectrum Access required for spectrum sharing or other reasons in PC-1. Why is it not part of PC-2?**

Answer: Dynamic Spectrum Access (DSA) is not specifically required in the RFS. DSA is mentioned as an example of research which offers innovations in dynamic spectrum use.

**24. Question: Are the MUM-T algorithms going to be provided as GFEs or would you expect the contractor to develop MUM-T autonomy/C2 algorithms as part of the program?**

Answer: Provided as MUM-T GFE.

**25. Question: Can CMOSS/SOSA card compliance be phased in during Phase 2/3 or is Use Case 3 only desired if it can be supported during Phase 1?**

Answer: Up to vendor approach.

**26. Question: Are migration paths to OpenVPX platforms preferable given the push for CMOSS?**

Answer: Since CMOSS requires OpenVPX, migration paths to OpenVPX are helpful; however, Use Case 3 requires CMOSS solutions as an end goal.

**27. Question: What is Phase 1 FFP ceiling?**

Answer: \$40M is the total available budget for all awards.

**28. Question: At what time will the Gov't announce the FFP for Phase 1?**

Answer: Dates as provided in RFS.

**29. Question: For the FFP ceiling statement for Phase 1. Please provide guidance for budget allocations for use cases groups (1&2, 4,5) or Phase 1 as a whole.**

Answer: \$40M is the total available budget for all awards.

**30. Question: Can you confirm that FFP is the only acquisition approach for this effort?**

Answer: This OTA will use FFP. At submission, we ask for Price for Phase 1, but a ROM for Phases 2 and 3.

**31. Question: A FFP offer appears sub-optimal and difficult to scope. Are offerors allowed to submit CPFF proposals?**

Answer: This OTA will use FFP. At submission, we ask for Price for Phase 1, but a ROM for Phases 2 and 3.



**32. Question: Are the charts going to be published on NSTXL website?**

Answer: The Project TalX briefing slides were published.

**33. Question: Can you let us know projected Q&A response timeline from the 3/24/22 deadline? In event the answers impact the responses they will be useful.**

Answer: All questions are included from both online Q&A and the Project TalX will be posted when ready.

**34. Question: Is there an expected Technology Readiness Level (TRL) at completion of each phase?**

Answer: TRL 6 at Phase 3.

**35. Question: The RFS cites the Army Command Post 2025 CONOPS. Is the Government able to provide this document?**

Answer: This document will be provided to vendors after contract award.

**36. Question: Given the COTS nature of the requested solution is CSfC as part of the solution factored in achieving an ATO?**

Answer: Correct. Note that in accordance with Section B.8 (Project Deliverables), selected vendors will be required to submit technical artifacts required by the RFM to obtain an ATO.

**37. Question: What is Army preference for leveraging other OUSD programs given overlap with this RFS? E.g. Operate Through 5G MANET, Resilient 5G, and Pendleton Tactical 5G.**

Answer: Innovative solutions leveraging other efforts is acceptable.

**38. Question: Is it a requirement that a "non-traditional" prime this opportunity?**

Answer: Primes must meet the requirements of 10 USC 4022.

**39. Question: Did the host just say 1-1 are possible with Army sponsor?**

Answer: No, discussions could potentially be held in accordance with the RFS.

**40. Question: What is your timeframe for making a decision on Phase 1 awards?**

Answer: Refer to RFS; Anticipated prior to end of FY22.

**41. Question: Can you provide the categories of classified information that this project may require?**

Answer: Vendor solutions will be at an unclass level but may need to support an interface with military systems that are classified up to SECRET.

**42. Question: The DD-254 cites the desire for solutions that will meet at-the-quick-halt (ATQH)2 requirements. Is the Government able to provide these requirements?**

Answer: ATQH requirements for setup and breakdown times are identified in Table 2 of the CUI RFS Addendum.



**43. Question: Can a company submit 2 solutions- 1 for each bundle?**

Answer: A company may submit separate proposals for both bundles.

**44. Question: If offeror's intention is to submit to both "bundles", can the solution be a single submission, or do they need to be separate submissions?**

Answer: A single submission may offer solutions for both bundles. However, as the two bundles will be evaluated separately, we request that the pricing be clearly differentiated between the two bundles so that it is Severable. OR submit separate bids for each bundle including pricing and highlighting any benefits if both were selected.

**45. Question: I think obvious but want to double check that you are anticipating there to be two awards - one for CP and one for Vehicular? I.e., not one award for both**

Answer: We anticipate making two awards, one for each bundle. However, we reserve the right to make multiple awards for each bundle.

**46. Question: If a proposal only covers use case 4 and 5, can we assume that another offeror would provide the wireless CP?**

Answer: For use case 4 and 5, the wireless CP will be provided by a use case 1 vendor.

**47. Question: Are multiple responses from same company allowed for one bundle, if different solution sets meet the requirements?**

Answer: Multiple submissions are allowed for a given bundle.

**48. Question: Do y'all anticipate to make two awards - one per bundle? Or one award?**

Answer: We anticipate making two awards, one for each bundle. We reserve the right to make multiple awards for each bundle.

**49. Question: Can an extension be provided of 2 weeks?**

Answer: Refer to the SMARTS website for updated closing date.

**50. Question: Will you consider a 2-week extension due to the short interval between this event and due date?**

Answer: Refer to the SMARTS website for updated closing date.

**51. Question: Is there any possibility of an extension?**

Answer: Refer to the SMARTS website for updated closing date.

**52. Question: Is the Government able to extend the deadline from April 15th to 30th to give industry slightly more time to develop solutions to the cited program challenges?**

Answer: Refer to the SMARTS website for updated closing date.