

# VVCEC RFP Questions and Answers

16 July 2015

1. Do Associate Contractor Agreements need to be finalized before or after award?

**Answer: Associate Contractor Agreements do not need to be finalized until after award.**

2. Reference SOW 3.5.1 Para 2: Is certification training only required of the IA personnel only as described in Paragraph 2?

**Answer: SOW 3.5.1, paragraph 1 requires information assurance certification, not certification training. SOW 3.16.1 requires AT Level I Training for all contractor employees, to include subcontractor employees, requiring access to Army installations, facilities and controlled access areas.**

3. Reference SOW 3.5.4: This section states, *“If changes to the accredited baseline are deemed to have an impact to the accreditation, modify an implemented security control, increase risk to the system, or field new IA enabled components; the change(s) shall go through a Delta Certification and Accreditation Process.”* When will this be decided? Who will decide this? Will this be an option in the bid to be exercised as needed, or will it be added later if needed as an OAWR?

**Answer: None of our past technology refresh efforts, over the last four years, have required this statement to be implemented. If the contractor proposes a solution that requires this statement to go into effect, it shall be part of the proposal. If required it will be decided at the SVR by the government IA personnel. It will not be an option in the bid to be exercised as needed, nor will it be added later if needed as an OAWR**

4. Reference SOW 3.5.5: This section states, *“The contractor shall address and implement the IA security requirements for the system based upon a Mission Assurance Category (MAC) Level III and a Confidentiality Level of Secret for the classified enclave and a Confidentiality Level of Sensitive for the unclassified enclave. For the period of performance of this contract, the contractor shall support the Government in maintaining IA compliance.”* This statement makes it look like the system is both on the Secret and Unclassified parts of the NTC enclave. Is the system, which sits in a MAC III Secret DIACAP enclave a part of both the unclassified and Secret levels requiring a cross boundary solution, or does the system reside on both sides but never communicates, or does the system reside only on just one side of the enclave and what side is that?

**Answer: The system components reside on both sides but never communicate with each other; therefore, a cross boundary solution is not required. VVCEC (servers and workstations), Microwave Backhaul, and WiMAX trailers reside in the classified enclave. CCTV resides in the unclassified enclave.**

5. What are the number of vehicles and links (radios) per vehicle? And, what is the vehicle power?

**Answer: 1 per MVU and 1 per MAAR (8 total for MVUs and 3 total for MAARs)**

6. What is the number of links (radios) per tower on Tiefert and Granite?

**Answer: Answer: 6 per tower on Tiefert and Granite**

7. Are VHF frequencies available (e.g., 151 MHz for APS)?

**Answer: Frequency for microwave backhaul: 7.1 – 7.45 GHz.**

**Frequency for WiMAX: 5.4 – 5.9 GHz.**

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8. What is the maximum number of simultaneous vehicle – tower links (per tower) that must be supported?

Answer: Tiefert Mountain; Up to 6 Maximum

Granite Mountain; Up to 6 Maximum

9. Does microwave requirement include replacement of all cabling?

Answer: Yes

10. Is conditional access required in CCTV Network?

Answer: Yes

11. Is twisted pair infrastructure for CCTV Network distribution available, or is it part of effort?

Answer: No, cabling must be replaced

12. What are the throughput requirements for WiMAX?

Answer: Current System capabilities are as follows;

- The AN 80i WIMAX System is a Point to Point Redline Platform which is comprised of a 5.8 GHz WiMAX directional panel antenna & 5.8 GHz Band Transceiver, Up to 108 Mbps of Data Transfer, Max Power 20dBm, 10/100 Ethernet Connection.
- The AN50E WIMAX System is a Point to Multi Point Omni based Redline Platform. The AN-50E kit which also includes a Redline T58E Transceiver, and a 5.0-5.38GHz Omni Antenna operates in the 5.470-5.850GHz Band, 49Mbps Ethernet rate, MAX power 20dBm, 10/100 Ethernet Connection.

13. What power is available at the sites?

- a. 120 VAC

Answer: Bldg 990, Bldg 988, Tiefert Mountain, and Granite Mountain

- b. 48 VDC (Existing backhaul system has Valerie Rectifiers)

Answer: Tiefert Mountain, Granite Mountain, MVUs and MAARs

14. Regarding Tower information:

- a. What kind of weight can the tower support (200# of radio, pan/tilt, etc.)?

Answer: Normally it is a requirement for the installing agency to provide a refreshed wind load analysis. Example; See Attachment3 and 4 for the last analysis conducted.

Also, by removing the existing system and putting in the new system, it should be close to a zero sum exchange.

- b. What are the heights of the towers?

Answer: Tiefert Mountain is 100' with a 25' extension

Granite Mountain is 150' with a 25' extension

- c. What is the tower distance from the Shelters?

Answer: Communications shelter is located underneath the tower between the legs

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- d. Regarding cable routing - how can they be grounded (what type of structure is there to hang cable from, etc.)?

Answer: The majority of the existing cabling is grounded via shield grounding hardware to the tower structure itself. Current cable routing is by various methods such as a cable ladder assembly (may be full) and various cable clamps assemblies applied directly to the tower assembly itself.

15. Regarding frequency approval:

- a. Are we limited to what is use now?

Answer: Yes

- b. Is there a point of contact for the Spectrum Management Office?

Answer: Contact will be through PEO STRI, Frank Lumley

16. What throughput requirements are there, if any?

Answer: The current Harris microwave back haul system is capable of a 40Mbps through-put

17. What is the spectrum layout for the microwave radios in order to know how many available channels there are to work with?

Answer: Spectrum Range is 7.1 to 7.45 GHz, broken out as shown below.

CHANNEL	TOWER			VEHICLE FREQUENCIES			POLARIZATION
	LOCATION	LEG	ANTENNA	VEHICLE	TX FREQ.	RX FREQ.	
1	GRANITE	1	LOWER	MVU	7.13 GHz	7.385 GHz	VERTICLE
2	GRANITE	2	LOWER	MVU	7.14 GHz	7.395 GHz	HORIZONTAL
3	GRANITE	3	LOWER	BOTH	7.15 GHz	7.405 GHz	VERTICLE
4	GRANITE	1	UPPER	BOTH	7.16 GHz	7.415 GHz	HORIZONTAL
5	GRANITE	2	UPPER	MAAR	7.17GHz	7.425 GHz	VERTICLE
6	GRANITE	3	UPPER	MAAR	7.18 GHz	7.435 GHz	HORIZONTAL
7	TIEFORT	1	UPPER	MVU	7.13 GHz	7.385 GHz	HORIZONTAL
8	TIEFORT	2	UPPER	MVU	7.14 GHz	7.395 GHz	VERTICLE
9	TIEFORT	3	UPPER	BOTH	7.15 GHz	7.405 GHz	HORIZONTAL
10	TIEFORT	1	LOWER	BOTH	7.16 GHz	7.415 GHz	VERTICLE
11	TIEFORT	2	LOWER	MAAR	7.17GHz	7.425 GHz	HORIZONTAL
12	TIEFORT	3	LOWER	MAAR	7.18 GHz	7.435 GHz	VERTICLE

18. Will the Government provide rotary wing transportation from Bicycle Lake to Tiefort Mountain to support site visits, installation and sling loading, Government Acceptance Testing, auditing, and reviews?

Answer: Yes; however, sling loads are limited to 500 pounds each trip.

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	<b>Solicitation Document</b> ( <i>name, section, page number</i> )	<b>Reference within Solicitation</b> ( <i>quote or paraphrase text</i> )	<b>Question to Government</b>
<b>19</b>	Enclosure 3 Requirements Matrix item 8	The Government will evaluate the proposed Integrated Master Schedule (IMS) to determine if it accurately portrays the sequence and relationship of activities defining the total program and that it addresses total program activities including activities performed by major subcontractors. The IMS will also be evaluated to determine if it meets the fielding and installation of the total system within a 12 month period. (SOW PEO-STRI-14-W082, Section 3.2.1	<p>SOW PEO-STRI-14-W082, Section 3.2.1 states IMS is required no later than System Verification review.</p> <p>Is an IMS required within our proposal response?</p> <p><b>Answer: Yes, a notational IMS is required</b></p> <p>If so, will the government provide a copy of the NTC Rotation Schedule for the expected duration of this contract?</p> <p><b>Answer: Yes</b></p>
<b>20</b>	Enclosure 1 VVCEC Statement of Work, 3.1.2 CCTV Distribution Equipment	The contractor shall perform technology refreshment of the existing CCTV distribution equipment located in multiple rooms throughout Building 990 and 988. The contractor shall replace the current CCTV RF based distribution system with an Internet Protocol (IP) based system.	<p>Is the contractor to furnish and install new Ethernet/Network infrastructure to support the new CCTV Distribution system?</p> <p><b>Answer: Yes</b></p> <p>If yes, will the government provide scaled building drawings and drop locations?</p> <p><b>Answer: Can only provide scaled drawings for Building 990; however, no drop down locations are available.</b></p>
<b>21</b>	Enclosure 2, Tab 1 – Instructions and Tab 2 – Proposal Matrix (Submission Instructions)	Page Count: “Page limits do not include cover and title pages, tables of contents, blank pages or other items inserted solely for the purpose of reading ease and locating sections of the proposal.”	<p>Enclosure 3 – Proposal Requirements Matrix – is a requirement to be submitted as part of Volume I – Technical. Is the Proposal Requirements Matrix included in the 20 pages allotted for Volume I?</p> <p><b>Answer: Yes</b></p>

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## **4 ATTACHMENTS Available by Request:**

Attachment 1: Sanitized NTC Rotation Schedule

Attachment 2: Bldg 990 Drawings (3 drawings)

Attachment 3: Tiefort Tower Analysis

Attachment 4: Granite Tower Analysis

**To request attachments please provide a written request to: Jason Holden, Contract Specialist at [jason.n.holden.civ@mail.mil](mailto:jason.n.holden.civ@mail.mil). If you have any issues I can be contacted by phone at: 407-208-3312.**