

MAINGATE BAA08-21 Q&A

Q74: In QA Response 2, Q/A48, the answer would seem to imply that the MANET radio of the MAINGATE must include a satellite terminal. But the BAA only mentions SATCOM in the context of the LUT, where a satellite terminal would be a peripheral radio device. Can you please clarify - is the MANET radio required to utilize satellite channels?

A74: The SATCOM capability for the Gateway is via a SATCOM terminal connected to one of the radio slots, LAN port, or WAN port. The MANET radio is not required to establish a direct SATCOM link, but must be able to access the SATCOM link through the Gateway.

Q75: These questions refer to both the Industry Day Q&A (17 through 73) and Amendment 2. Regarding Q48 "Does the MANET gateway include the satellite communications terminal? If so, who provides the satellite bandwidth during the MAINGATE demonstrations and how much bandwidth will be required (e.g. 384 kbps x 20 streams)?" A48: "The SATCOM terminal is part of the MANET gateway. The MAINGATE developer is responsible for obtaining the appropriate SATCOM bandwidth to support the demonstrations. The required bandwidth will not exceed the capability of SATCOM providers." My clarification question is whether or not the cost of the SATCOM terminal is to be included in the \$60K production cost goal?

A75: No, the SATCOM terminals are not part of the MAINGATE Unit cost. However, MAINGATE is expected to have a high data rate capability within the MAINGATE Unit, which is part of the \$60K unit cost.

Q76: Regarding Q64 "BAA08-21 Page 42 Environmental Testing, Temperature Range: Is 100 degrees to be F vice C?" A64: The temperature range is -56.5 C to 100 C to account for the range of operating conditions. My clarification question is whether 100 degrees C is the actual high-temp limit?

A76: YES

Q77: Regarding Amendment 2, 4. Oral Presentation and Demonstration Expectations: It is our understanding that the Orals will be a 6-hour presentation in Washington, DC. My clarification questions are: 1) Are the demonstrations now decided upon the results of the Orals Presentation in Washington, DC, and 2) Will the demonstrations still be held at the bidder's corporate facility?

A77: 1) The six hour orals in Washington DC will be expected to explain all system performance and technical maturity measurements that support the proposer's claims that resulting proposed design and associated technologies, components and subsystems can be integrated into a capability that meets all the MAINGATE metrics. These results might be considered proof of concept or proof of feasibility for the proposed effort. 2) No demonstration at the bidder's corporate facility is now required by the MAINGATE BAA.