

**Sources Sought for Intercommunications System
M67854-12-I-0008 A0001**

The United States Marine Corps received the following questions in response to the Sources Sought Notice for the Intercommunications System, M67854-12-I-0008. The following questions and answers are provided, for informational purposes:

Q1. Is there any requirement for a Wireless ICS System that works in conjunction with the Wired ICS thus allowing disembarked Marines the capability to communicate with the Embarked Crew over the ICS and Long Range Radios?

A1. There is currently a draft requirement for a Wireless Capability within the Family of Vehicles. The requirement is not fully defined and currently only requires inter-vehicle communications.

Q2. Is there an incumbent who has provided these systems in the past? If so, could you please provide me with the company name and contract number? What is the potential value of this effort?

A2. The current Intercommunications system for the Assault Amphibious Vehicle Personnel and Recovery Variant is the AN/VIC-2 which was originally manufactured by Northrop Grumman. The system is no longer in production and there are no active contracts. The potential value of the upgrade action is unknown until final upgrade quantities and configuration are determined.

Q3. Is the AAV team going to specify a headset/helmet for the program? Or, are companies allowed to submit the product that is the best fit for their solution?

A3. The current strategy for the helmet is to use the existing Combat Vehicle Crewman helmet with no changes. We do not intend to field a new helmet with the upgrade.

Q4. Do you know what the EMI requirements are?

A4. MIL-STD-461E

Q5. Is the video and keyboard integral to the ICS?

A5. No, it is a capability that would use the ICS as a pass through.

Q6. Can you provide a block diagram or drawing of the internal layout of the AAV?

A6. Please see the attached pdf "Intercom Line Diagram".

Q7. How many radios are the AAV personnel variant required to support?

A7. The AAV Personnel Variant will need a minimum of 4 Radios.

Q8. How many radios are the AAV command variant required to support? How many is "multiple"?

A8. The AAV Command Variant will need a minimum of 8 Radios.

Q9. What are the radio types that need to be supported in each AAV variant?

A9. Personnel - VHF
Recovery - VHF
Command - VHF; SatCom; HF; UHF

Q10. Is the capability to send and receive text to be integrated into the intercom station, or is the intercom station intended to interface to an external computer/data terminal that provides a text messaging capability?

A10. The Intercom will be the interface to external devices.

Q11. Is video communications wholly within the AAV, for example between a camera connected to one intercom station and a display connected to another intercom station?

A11. Video would be from an external source from the vehicle, not an onboard system capture.

Q12. Are any AAV variants required to support dismounted intercom station capability (e.g. into an adjacent tent/building)?

A12. No, but that capability may be required in the future.

Q13. Are any AAV variants required to support inter-vehicle voice and data communication by means other than radio (e.g. fiber-optic/wired link between command variants in a TOC/HQ scenario)?

A13. No

Q14. Please describe the intended users for each of the indicated intercom crew stations by vehicle variant, i.e. for AAVR7 (1) Driver, (1) Vehicle Commander, (3) Recovery Crew, etc.

A14.

- Personnel - (1) Driver, (1) Troop Commander (Infantry), (1) Vehicle Commander (Turret), (2) Third Crewman position. Possible expansion of (2) stations embarked infantry.
- Command - (1) Driver, (1) Troop Commander (Infantry), (1) Vehicle Commander Station, (2) Third Crewman position, and (6) Command position embarked infantry.
- Recovery - (1) Driver, (1) Vehicle Commander, (1) Riggers Station, and (1) Third Crewman. Possible wireless to the crane station.

Q15. What is meant by "to send and receive text"?

A15. Intercommunications System would be used to disseminate the text to different stations where needed, this would be from a receive/transmit device (radio).

Q16. What is meant by to send and receive video?

A16. Intercommunications System will be used to disseminate the video to the different station where needed this would be from a receive/transmit device (radio). The system would not have the input and display capabilities only the ability to be the pass through from external sources.

Q17. How many video sources and sinks is the intercom system expected to support?

A17. It is expected that only one video source will be used with each station providing the capability for a device connection for display.

Q18. What method of entry/display of text is desired?

A18. The system would not have the text input and display device as part of the system but, only the ability to be the pass through from external sources.

Q19. Does the intercom station have to show video of other intercom users/external cameras?

A19. The system would not have the display and/or input devices as part of the system.

Q20. What quality of camera and display is desired?

A20. The system would not have a camera or display capability.





