

➤ Multi-Role Radar System (MRRS)

DESCRIPTION

The MRRS is a highly mobile radar system to be employed by the MACCS in all phases of Marine Corps operations, including joint or combined operations. The system will serve as a gap-filler radar by providing 3-D coverage of those areas out of view of the AN/TPS-59(V)3 due to terrain masking or other line-of-sight limitations. Additionally, the radar will be capable of providing radar cueing data to all short-range air defense units supporting the MAGTF. The radar is intended to replace and perform all the missions currently associated with the AN/TPS-63 radar, AN/TPS-73 ATC radar, and the AN/MPQ-62 surveillance radar. The MRRS, which will have connectivity to the Cooper-ative Engagement Capability network, will be deployed during the early stages of Oper-ational Maneuver from the Sea to augment sea-based air defense sensors and command and control.

OPERATIONAL IMPACT

The radar will provide the speed and flexibility required for enhanced low-altitude, air-breathing target detection, identification, and tracking in the execution of OMFTS, sustained operations, and other expeditionary operations. The execution and support of these strategies requires the maneuver and control of aircraft, cruise missiles, and unmanned air vehicle assets over a wide sea and land areas. In addition, the radar will be capable of cueing and reporting on control agencies. The reduced logistical footprint of the radar will enhance the capabilities of MACCS elements in support of all phases of MAGTF operations. Once ashore, the MRRS will possess the mobility required to keep pace with supported maneuver elements, and will complement the Marine Corps' long-range radar, the AN/TPS-59 (V)3, by providing accurate tracks of low-altitude aircraft.

PROGRAM STATUS

The MRRS received a favorable Milestone "A" acquisition decision in 2000 and the program is proceeding with concept exploration activities. Initial procurement is scheduled for FY 2006.

PROCUREMENT PROFILE:

The Procurement Profile is under development.

DEVELOPER/MANUFACTURER

AGBR Concept Demonstrator: Raytheon Corporation,
Sudbury, MA

MRRS: TBD