

AN/TPS-59 (V) 3 Radar

Description

The primary mission of the AN/TPS-59 radar is to provide long-range surveillance, Ground Control Intercept and a Tactical Ballistic Missiles (TBM) surveillance capability for the MAGTF. The radar operates in any and all environmental conditions associated with an on-shore combat zone. The radar supports Anti-Air Warfare (AAW) operations, enroute traffic control to a distance of 300 nautical miles (NM), and TBM surveillance to 400 NM. The AN/TPS-59 (V) 3 serves as the primary provider of land-based long range track data to the Single Integrated Air Picture of the Navy's CEC. The radar is transportable by tactical/non-tactical aircraft, helicopter aircraft, surface shipping, and organic landing force vehicular transportation. The AN/TPS-59 (V) 3 program provided an immediate theater missile defense capability to defend against TBMs through improvements to the Marine Corps' exclusive three-dimensional long-range radar.

Operational Impact

The radar supports expeditionary operations and sustained operations ashore. Its function is the primary sensor of the MACCS. The radar is operated by the TAOC for air defense control and itinerant tactical air traffic control. Additionally, it provides TBM surveillance capability in both an autonomous and TAOC configuration.

Program Status

Research and development efforts beginning in FY01 will develop a Service Life Extension Program (SLEP) to replace obsolete hardware and modernize and enhance electronic protection capabilities, thus ensuring that the AN/TPS 59 (V) 3 radar will remain viable through 2015. The SLEP will be implemented in FY02 through FY05.

Procurement Profile: FY01 FY02

Quantity: 0 0

Developer/Manufacturer

Lockheed Martin Corporation Ocean, Radar and Sensors Systems, Syracuse, N.Y.