Three Dimensional Long Range Radar (AN/TPS-59(V)3)

DESCRIPTION

The AN/TPS-59(V)3 Radar System is a transportable, long-range, solid state, 3-D L-band radar. It is the MAGTF's principal air surveillance radar and is integrated into the AN/TYQ-23(V)4 Tactical Air Operations Module (TAOM). It may also be configured for operation with the Air Defense Communications Platform (ADCP) to provide TBM track data to the joint tactical information distribution system (JTIDS).

OPERATIONAL IMPACT

The AN/TPS-59(V)3 provides long-range, three-dimensional, land-based air surveillance for the MAGTF and is optimized for theater ballistic missile (TBM) and conventional air-breathing target detection and tracking. The AN/TPS-59(V)3 will be used primarily to support MAGTF aviation during sustained operations ashore as part of a joint theater air and missile defense architecture.

PROGRAM STATUS

Research and development efforts are developing engineering change proposals (ECPs) to replace obsolete hardware and to ensure the AN/TPS-59 (V)3 remains viable throughout its service life. Implementing these ECPs will begin in FY 2003. Additionally, the Marine Corps is pursuing a 3-D, long range sensor replacement capability for the AN/TPS-59(V)3 that is capable of engaging air-breathing and TBM targets but with a vastly reduced footprint and improved mobility. Initial operational capability of the upgraded radar is anticipated in FY 2008.

PROCUREMENT PROFILE:	FY03	FY04
Quantity (transmitters):	*0*	*108*

DEVELOPER/MANUFACTURER
Lockheed Martin Corporation, Syracuse, NY