

## *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 will serve 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.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>0</i>	<i>0</i>

### *OPERATIONAL IMPACT*

The radar will be phased ashore in an amphibious operation, rapidly installed, and autonomously operated to provide a landward extension of the MAGTF Air Defense System. On command, the employment of the radar will be increased to include its primary function as a sensory device of the Marine Corps Air Command and Control System (MACCS). In this phase of the operation, the radar data will be supplied to the TAOC of the MACCS for the TAOC GCI operations and air traffic control in the objective area. Additionally, to fulfill its TBM surveillance capability, the radar will supply radar cueing data. This TBM surveillance capability will exist in both the autonomous and the TAOM- automated configuration.

### *PROGRAM STATUS*

Research and development efforts beginning in FY01 will develop ECP's to replace obsolete hardware to ensure the AN/TPS (V)3 will remain viable through 2010. These will be implemented in FY03 through FY05.

### *DEVELOPER/MANUFACTURER*

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