

GROUND WEAPONS LOCATING RADAR

DESCRIPTION

The Ground Weapons Locating Radar (GWLR) will provide the Marine Corps with an increase in its ability to locate enemy firing (mortar, artillery, rocket) positions, equating to increased numbers of destroyed enemy assets and personnel. GWLR possess a significant increase in detection range, accuracy, weapon- type classification and deployability over currently fielded counter-battery radar systems. The GWLR will interface to the AFATDS within the Fire Direction Center. An interim capability will be fielded in the form of an up-grade to the current system, the AN/TPQ-46A. The end-state capability will come from a variant of the Multi-Role Radar System (MRRS).

OPERATIONAL IMPACT

GWLR will provide critical target acquisition capabilities to the MAGTF commander. GWLR is a quantum improvement over currently-fielded counter-battery radar systems, and will provide the MAGTF commander with an all-weather, 24-hour target acquisition system capable of detecting mortars, artillery and rockets at ranges of 0.5 to greater than 70 kilometers.

PROGRAM STATUS

The Marine Corps is currently upgrading 22 Marine Corps AN/TPQ-46A systems to provide an interim GWLR capability. Concurrently, concepts we being refined for an end-state GWLR that will leverage the Multi-Role Radar System.

PROCUREMENT PROFILE:	FY 04	FY 05
Quantity: (Upgrade Kits)	0	22
DEVELOPER/MANUFACTURER		
Interim GWLR: Raytheon Corp., El Segundo, CA		
End-state GWLR: TBD		