AN/TPQ-53 Radar System
In Production, In Combat
AN/TPQ-53 Radar System

The Lockheed Martin AN/TPQ-53 radar system provides soldiers with a reliable, mobile radar solution. This innovative system supports modular forces and ensures operational and tactical dominance in both irregular warfare operations and major combat operations. Q-53 is versatile, tailorable, networked and designed to meet the rotational cycle for fielding. Q-53 provides the U.S. Army a unique capability to operate anywhere in the range of military operations to meet unified land operations.

Protection

Q-53 helps to protect soldiers and noncombatants and their physical assets. Q-53 helps to facilitate a commander’s ability to maintain the force’s integrity and combat power. Q-53 is a continuing activity and integrates all protection capabilities to safeguard bases, secure routes, and protect forces. Q-53 incorporates the following tenets of Unified Land Operations:

- Flexibility
- Integration
- Adaptability
- Depth
- Synchronization*

Q-53 meets the goal of Unified Land Operations to “seize, retain, and exploit the initiative to gain and maintain a position of relative advantage in sustained land operations in order to create the conditions for favorable conflict resolution.”*

Key Features

- Detect, Classify, Track Incoming Mortars, Artillery and Rockets
  - 90° Search Mode
  - 360° Search Mode
- Emplacement – Five Minutes, Displacement – Two Minutes; Auto Levels and Self-Aligns
- Miltope Laptop Control - Remote Control Display Unit
- C-130 Transportable; Highly Mobile
- Soldier Friendly for Protection and Ergonomics
- Links to Counterfire Shooters (AFATDS)

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* ADP 3-0, Unified Land Operations, October 2011