

WE'RE ENGINEERING A  
BETTER TOMORROW



## AN/TPQ-53

WEAPONS LOCATING RADAR for 360° Protection

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# It's About the Soldier

In today's rapidly evolving security landscape of unconventional battlefields, irregular warfare, and re-emerging linear battlefields, our soldiers need to quickly locate and neutralize rocket, artillery and mortar threats. The AN/TPQ-53 (formerly known as EQ-36) meets this challenge head-on.

The AN/TPQ-53 Radar System is a highly mobile radar that detects projectiles in-flight, and determines the firing point location of rockets, artillery and mortars (RAM). It is deployable and capable of operation in extreme terrain and climatic conditions. The system provides both 90° and 360° azimuth detection coverage against all threats at increased ranges relative to legacy systems, enhanced human machine interface, ease of programmability, and built-in capacity for growth. The Q-53 Radar System accurately locates and classifies hostile weapon locations at greater ranges and coverage patterns to permit more effective counter-battery fires.

The Q-53 is battlefield-proven by the U.S. Army in combat. The Q-53 program completed initial production and is in Full Rate Production (with contracts for over 140 US and 6 FMS production systems).

### Capabilities:

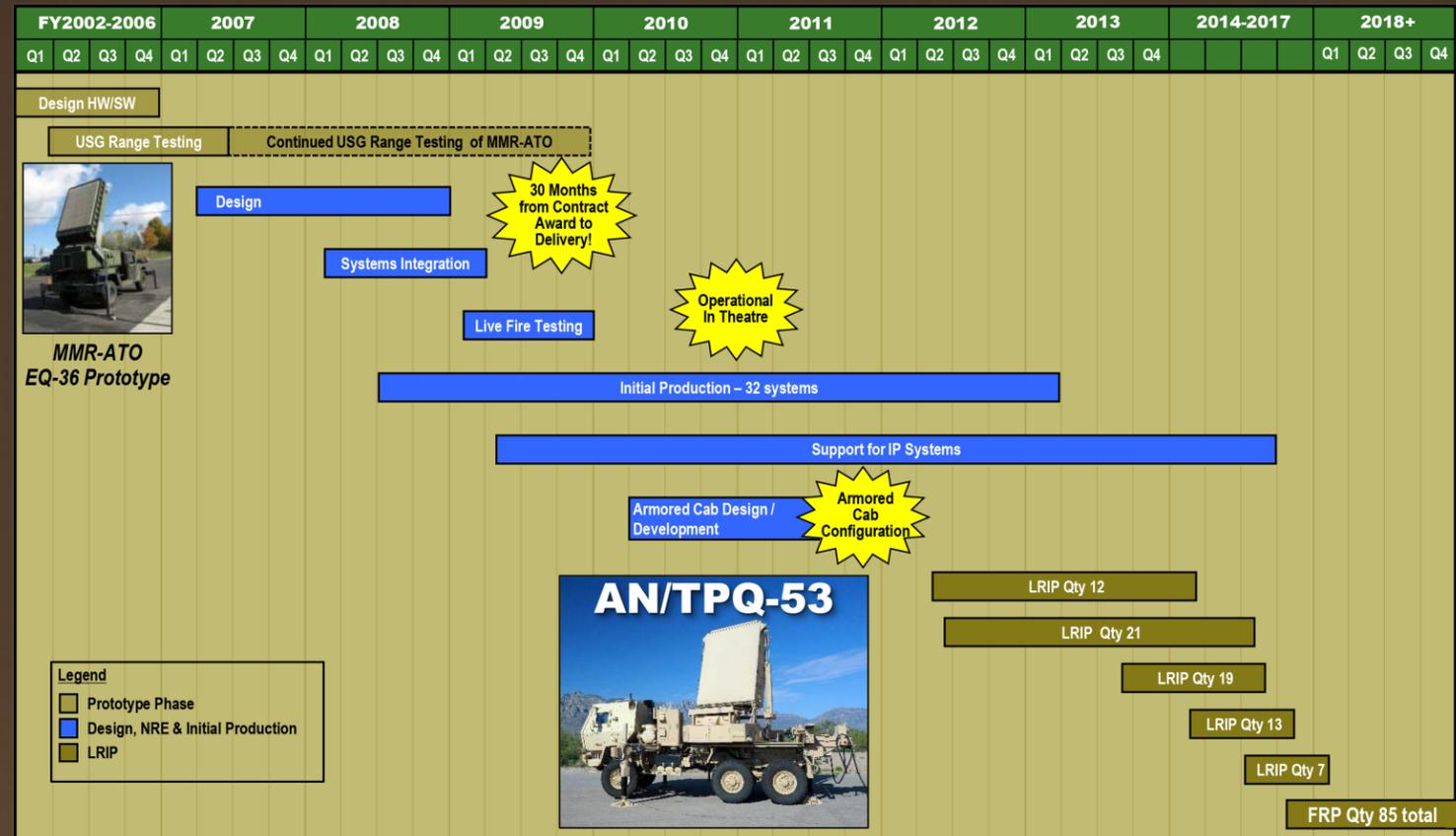
- Detects and Classifies Hostile Indirect Fire Mortars, Rockets, and Artillery
- Reports Launch and Impact Point Locations
- Provides Friendly Fire Registration
- Operator Selectable Modes of Operation
  - 90° (non-rotating)
  - 360° (rotating)
- Optic Cable Control (1 km)
- Links to Counterfire Shooters (AFATDS)
- Links to IFPC / CRAM (FAADC2)
- Emplace – 10 Minutes (System Auto-Levels); Displace – 5 Minutes

The Q-53 is mobile, maneuverable, fully-supportable and easily maintained. The system is designed to operate in a wide range of weather conditions.



Mounted on its 5-ton FMTV prime mover, the Q-53 can be rapidly deployed and integrated into the tactical battlefield with heavy, medium and light forces. The Target Acquisition Subsystem contains the radar on a single prime mover and tows the power generator. This package performs all missions of the Q-53 for shorter durations. A second prime mover carries an operations control shelter, backup power generator, and two additional soldiers to provide a sustained operations capability.

## Q-53 IS CONSTANTLY EVOLVING TO PROTECT THE SOLDIER AND STAY AHEAD OF GLOBAL THREATS.



THE Q-53 IS THE RIGHT SYSTEM AT THE RIGHT TIME FOR FULL SPECTRUM PROTECTION IN IMMEDIATE IRREGULAR WARFARE AND FUTURE MAJOR COMBAT OPERATIONS.

