

**LOCKHEED MARTIN**



**AN/TPS-79**

3D Tactical Air Surveillance Radar

# AN/TPS-79

## 3D Performance, Versatility, and High Mobility

Lockheed Martin's AN/TPS-79 Air Surveillance Radar is the most effective medium range tactical radar for today's demanding air surveillance and air traffic control environments.

The AN/TPS-79, a modern solid-state commercial-off-the-shelf radar, provides the most advanced 3D medium range, multi-mission, highly mobile and rapidly deployable modular radar system in the world today. The AN/TPS-79 is the next generation in medium range air surveillance radars.

## High Performance

- Solid-state S-band design
- Enhanced target detection in clutter/ECM environments
- Fail-soft capability
- Three dimensional
- Exceptional signal-to-clutter performance
- Selectable circular (L&R) linear polarization for improved target detection in presence of clutter/rain/ECM
- Adaptive moving target detection
- Automatic frequency selection
- Tailored STC map to maximize receiver dynamic range
- High mean-time-between-failures for low life-cycle costs
- Highly mobile for rapid deployment
- Integrated radar/beacon antenna eliminates dual antenna alignment requirement
- Mode S compatible
- Comprehensive BIT and BITE

## Multi-mission Capability

Designed as the most advanced tactical 3D medium range surveillance radar, the exceptional performance of the AN/TPS-79 in clutter and ECM environments makes it a versatile radar with multi-mission capability.

**Air Surveillance and  
Air Traffic Control**

## High Mobility, Rapid Deployment

The AN/TPS-79 is designed for rapid tactical deployment, set-up and redeployment. The radar can be easily configured for a HMMWV mounted shelter, a fixed site or for transportable operations. No special tools are required for system deployment. The MMSR is transportable by air (C-130, CH-53), sea (cargo ship) and land (truck/train). Set-up/pack-up time is less than 90 minutes.

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