

# TERMINAL AIR SURVEILLANCE RADAR (TASR)

## Terminal Air Traffic Control (ATC) and Mobile Contingency Operations

L3Harris TASR delivers full airspace control for terminal ATC requirements while seamlessly enhancing the overall air picture by using radar, Automatic Dependent Surveillance-Broadcast (ADS-B) and secondary surveillance radar (SSR) data.

### COMPLETE MISSION CAPABILITIES

TASR provides high-quality, unambiguous data and information to controllers under all combinations of operational conditions. The display presents full situational awareness on high-resolution color monitors. Information can be tailored to the controller's needs and preferences.

### TRANSPORT OPTIONS

TASR can be delivered via two transport options: mobile (with wheels) and transportable (without wheels). The mobile TASR uses two trucks for transportation over improved and unimproved roads. The transportable TASR is configured to be lifted onto a customer furnished trailer or truck. Both configurations can be airlifted using two C-130 aircraft.

### SETUP AND INSTALLATION

TASR quickly transitions from transport to operations. Using four trained personnel, procedural control can begin in less than one hour with positive control (radar active) available in less than five hours.

### DEMONSTRATED PAST PERFORMANCE

L3Harris radars have supported military and peacetime missions from World War II through Operation Enduring Freedom and Operation Iraqi Freedom. Our products are now fielded worldwide providing mission flexibility to meet tomorrow's challenges.



### BENEFITS

- > Achieves system availability of greater than or equal to 99.97%
- > Increases mean time between critical failures (MTBCF) by using built-in redundancy
- > Augments air picture with ADS-B data for enhancing controller awareness
- > Minimizes mean time to repair (MTTR) to less than 30 minutes
- > Provides configuration flexibility





## EXCELLENCE OF CUSTOMER SUPPORT

L3Harris distinguishes itself with reliable products and highly responsive customer support by:

- > Preparing our customers for success through maintenance training
- > Remote built-in-test (BIT) monitoring
- > Customer access tools such as WebCITIS, an online collaboration with L3Harris experts
- > Online warranty repair tracking

Logistics support packages are tailored to meet customer needs from a base year standard warranty (included with each new system delivered) to contracted logistics support (CLS) or basic ordering agreements (BOA). Obsolescence is managed by conducting an analysis on each system on a periodic basis to ensure availability of parts throughout the system lifecycle.

## PRIMARY SURVEILLANCE RADAR (PSR) SPECIFICATIONS

PERFORMANCE	SPECIFICATIONS
Range	60 nml (111 Km) 2m2 target PD=90%
Band	S-band – 2.7 to 2.9 GHz
Solid state transmitter	Built-in redundancy
Altitude coverage	7,600 m / 24,900 ft

## MONOPULSE SECONDARY SURVEILLANCE RADAR (MSSR)

PERFORMANCE	SPECIFICATIONS
Range	200 nml (370.4 Km)
Modes	1, 2, 3/A, C, 4, 5, S, capable (ADS-B compatible)
Altitude coverage	15,240 m / 50,000 ft

## FEATURES

- > Mobile, transportable, and fixed configurations
- > High reliability with graceful degradation
- > Integrated ADS-B capabilities
- > Intuitive BIT
- > Remote maintenance and monitoring

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1025 W. NASA Boulevard  
Melbourne, FL 32919