



TLS-463

COMBINED ILS AND SECONDARY SURVEILLANCE SYSTEM FOR TEMPORARY AIRFIELD OPERATIONS

APPLICATIONS FOR THIS PRODUCT INCLUDE:

- **Defense**
- **Emergency Response**
- **Industrial Interests**
Offshore drilling, construction, mining, etc.

The TLS-463 from ANPC is the world's only rapidly deployable, GPS-independent precision approach guidance system. It is designed to provide complete CAT. I instrument approach, PAR, and SSR capabilities to any remote airfield in the world regardless of climate or terrain, and in just several hours.

The entire system occupies a single 463L master pallet for transport and can be installed to full operational capacity in less than three hours by a two-person crew, with minimal if any site preparation. The TLS-463 will detect and track any aircraft equipped with a Mode 3/A/C/S transponder to a range of 110 NM and provide ILS guidance that exceeds ICAO performance specifications with no upgraded avionics or additional pilot training required. When fully deployed, the system occupies a small footprint adjacent to or astride a runway regardless of its length or water/obstacles at one or both ends.



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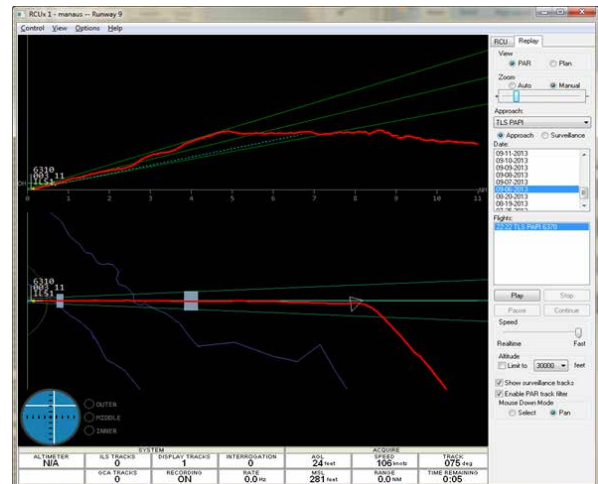


FEATURES AND REQUIREMENTS:

- Localizer and Glideslope ILS/PAR guidance to 20+ NM
- Area surveillance to 110 NM with SSR display
- Compliant with all ICAO signal-in-space requirements for CAT.I ILS
- Fully self-contained for transport on a single 463L master pallet
- Two-hour setup and teardown in any runway environment
- Flexible siting criteria, tolerant of challenging terrain
- ASTERIX-compliant data output for all live and recorded surveillance and guidance tracks
- Guidance for up to four aircraft on simultaneous approach using discrete ILS frequency pairs
- Emulated marker beacon tones over Localizer audio
- Localizer guidance provided on missed approach
- Supports segmented, curved, and offset approaches using ILS or RNP (TERPS/PANS-OPS) design criteria
- Variable glideslope angles supported for obstacle avoidance or rotary-wing operations
- Minimal installed footprint as small as 400m2
- Interoperable with networked system frameworks such as Agile Combat Employment (ACE)
- Sets up and operates independently of GPS



Fully contained on 463L master pallet



PAR display for ground controlled approach operations