

SNC[®]

Tactical Automatic Landing System



Sierra Nevada Corporation's (SNC) Tactical Automatic Landing System (TALS) is an automatic UAV Landing System specifically tailored for land based UAV operations in small areas. TALS provides all weather, day-night; ruggedized performance with a successful recovery rate exceeding 99.95%. TALS meets the Army's field requirements for automatic recovery, high mobility by HMMWV, two-man transportability, and a 15 minute set-up time by soldiers in the field.

TALS

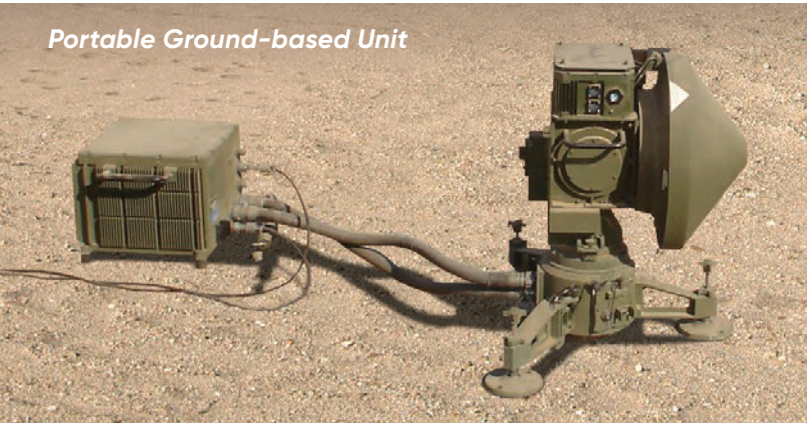
Tactical Automatic Landing System

GROUND TRACK SYSTEM

- Portable ground-based unit
- Locates and tracks airborne transponder
- High-bandwidth tracking loops to cover touchdown & rollout
- RS-422 interface standard, other options available
- Height (deployed configuration): 25 in (63.5 cm)
- Weight:
 - Pedestal Group: 95 lbs (43 kg)
 - Control Unit: 48 lbs (22 kg)
- Power: 110 VAC, 60Hz, less than 240 W



Portable Ground-based Unit



AIRBORNE TRANSPONDER SUBSYSTEM

- Provides point source for precision tracking
- Weight: Less than 3 lbs (1.4 kg)
- Size: 2.5" x 3.5" x 7.5" (6.4 cm x 8.9 cm x 19.1 cm)
- Power: 18 VDC to 32 VDC

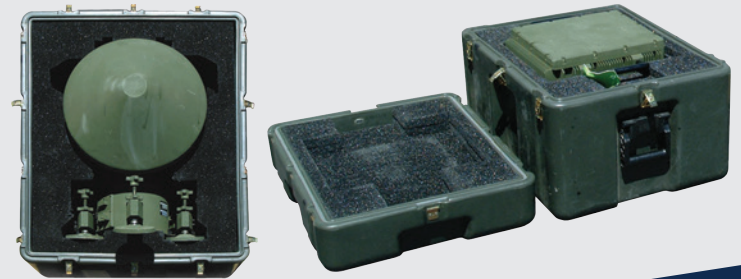
Airborne Transponder Subsystem



FEATURES

- In production for the US Army UAS programs & other customers
- Combat proven
- Flexible architecture for integration with any tactical UAS System
- Auto launch option available
- Common interfaces across Ground Control Stations & UAVs
- Stowage in two-man portable ruggedized field containers
- Two-man set up in 15 minutes – proven in the field
- Logistics support in place

Portable Ruggedized Field Containers



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