THALES

- Delivers networked communications and situational awareness, improving mission effectiveness
- Allows self-forming, self-healing, ad hoc, simultaneous voice and data networks
- Provides software-defined capability for upgradeability and interoperability
- Streamlines procurement, logistics, maintenance and training, reducing life cycle cost
- Provides low-cost JTRS networking with integrated embedded encryption and GPS
- Minimizes SWAP requirements
- Continuous transmission of Position Location Information (PLI) enables situational awareness and blue force tracking
- User-friendly audible Human Machine Interface (HMI) i.e. audio indicators for preset, GPS position, and battery status

SRW TACTICAL AIRBORNE RELAY (STAR)

FOR AIRBORNE SYSTEMS

SRW Tactical Airborne Relay (STAR)

The STAR is the lightest SRW payload to date providing airborne qualified SRW mesh network functionality and is fully interoperable with both Thales and General Dynamics AN/PRC-154A Rifleman Radios.

The STAR adapts the AN/PRC-154A Rifleman Radio to the airborne environment by enhancing the vibration and shock performance of the handheld unit while also providing a 28V DC aircraft power interface and bulkhead mounting provisions. The STAR retains all of the AN/PRC-154A interfaces allowing re-use of the existing accessories for the AN/PRC-154A and is fully upgradeable with all future AN/PRC-154A software releases, thus minimizing life cycle costs. In addition, its common Human Machine Interface (HMI) and interconnects are familiar to the warfighter and, therefore, require no additional training to program and maintain the unit.

TECHNICAL SPECIFICATIONS

Key Features
- Continuous transmission of Position Location Information (PLI) enables situational awareness and blue force tracking
- User-friendly audible Human Machine Interface (HMI) i.e. audio indicators for preset, GPS position, and battery status
- Actively participates in one voice talk call group while simultaneously monitoring other talk groups
- Software programmable/upgradeable
- Small, ruggedized, lightweight chassis that is EMI/EMC compliant
- Operates with standard USB and RS-232 devices for display use and radio control

Frequency Range
- UHF band 225 - 450 MHz
- L-Band 1250 - 1390 MHz, 1750 - 1850 MHz

Size
- < 32 cu. in.
- 7.6"h x 2.5"w x 1.6"d

Weight
- < 1.7 lbs.

Transmit Output Power
- Up to 5 Watt
- User selectable

Environmental Specifications
- Operating Temperature: -40° to +55° C
- Storage Temperature: -51° to +71° C
- Immersion: 2m

GPS
- Integral GPS and antenna
- External SAASM interface

Programmable Channels
- 50 presets
- 3 talk groups per preset

Waveforms/Modes of Operation
- Soldier Radio Waveform (SRW)

JTRS Compliance
- Yes

Interfaces Supported
- Mil Std 28V power connector
- 6-pin Headset/Speakermic (H-250)
- Key loader (COMSEC key and TRANSEC key)
- USB
- RS-232
- Software reprogramming and upgrades
- TNC (50Ω mission antenna)
- SMA (if external GPS antenna desired)
- DAGR (external SAASM GPS)
- Talk-Group Select Switch

Data Rate
- SRW data modes supported

Programmable COMSEC & TRANSEC
- Secret and Below (SAB)

Accessories
- Specialized Audio Accessories
- Power Amplifiers
- USB Data Cabl

➢ Non-U.S. Government sales are subject to U.S. Government approval.
➢ Specifications are subject to change without notice.