SOTAS
Digital Communication Platform

Battlefield C4ISR Infrastructure Solution
SOTAS is a digital in-theatre communication platform used in (military) ground vehicles and (forward) command posts. It has a modular, scalable, and fully configurable architecture that uses open standards where possible. This allows integration with a wide variety of 3rd party equipment (sensors, radio’s, etc.) and application.

Scalability makes SOTAS an easy choice for fleet-wide solutions allowing optimization in logistics, maintenance and training.

Configurability supports easy adaptation to new missions and operational changes.

The modular architecture supports vehicle integration and performance preferences, for example, ring or star topology and centralized or decentralised. SOTAS today is fully digital and therefore is the logical foundation for the digital transformation of in-theatre mission communications. SOTAS is designed to be extended according to the Digital Transformation needs of its users.

SOTAS Lite is SWAPc optimized for compact installations while offering many of the full SOTAS functions.

Voice:
SOTAS integrates audio services, radios, telephone calls and conferences with virtually unlimited audio channels.

Tactical Networking:
SOTAS provides extensive tactical networking capabilities that provide your organization’s networking needs and supports combinations of different military networks for partnering nations or other tactical networks

Computing:
SOTAS provides a general purpose computing platform dedicated to host 3rd party applications like, for example, sensor data fusion, Battlefield Management System and CommServer.

Security:
SOTAS continuously checks the platform integrity to guarantee security and proper functioning.

Interoperability:
SOTAS provides flexible interfaces, reconfigurable to the needs of the mission. Combined with Thales’ many years of experience with interfacing a wide variety of radios, sensors and other peripherals, SOTAS ensures adaptability and interoperability.

Main characteristics:

- Intra-vehicle and inter-vehicle voice, data and video communications → improves mission effectiveness
- Scalable from voice intercom to large command post networks → improves logistics and training
- High audio quality in noisy environment through advanced Dynamic Noise Reduction → improves battlefield endurance
- Fully MIL-Spec ruggedized MOTS → survives the harshest environments and use
- Robust tactical networking featuring ad-hoc routing → improves situation awareness and decision making
- Interoperable with all types of military radios and tactical and civilian LTE → improves flexibility in integration and collaboration
- Wide spectrum of services: audio incl. intercom, radio gateway, SIP telephony, serial data, PSTN and platform interfacing infrastructure, conferencing, etc. → improves mission interoperability

Notes:

- Robust tactical networking featuring ad-hoc routing → improves situation awareness and decision making
- Interoperable with all types of military radios and tactical and civilian LTE → improves flexibility in integration and collaboration
- Wide spectrum of services: audio incl. intercom, radio gateway, SIP telephony, serial data, PSTN and platform interfacing infrastructure, conferencing, etc. → improves mission interoperability

More Information on SOTAS

- www.thalesgroup.com/sotas
- sotas@nl.thalesgroup.com

Thales Nederland B.V.
P.O. Box 88
1270 AB Huizen, The Netherlands
Tel: +31 (0)35 524 82 48
e-mail: sotas@nl.thalesgroup.com
www.thalesgroup.com/sotas