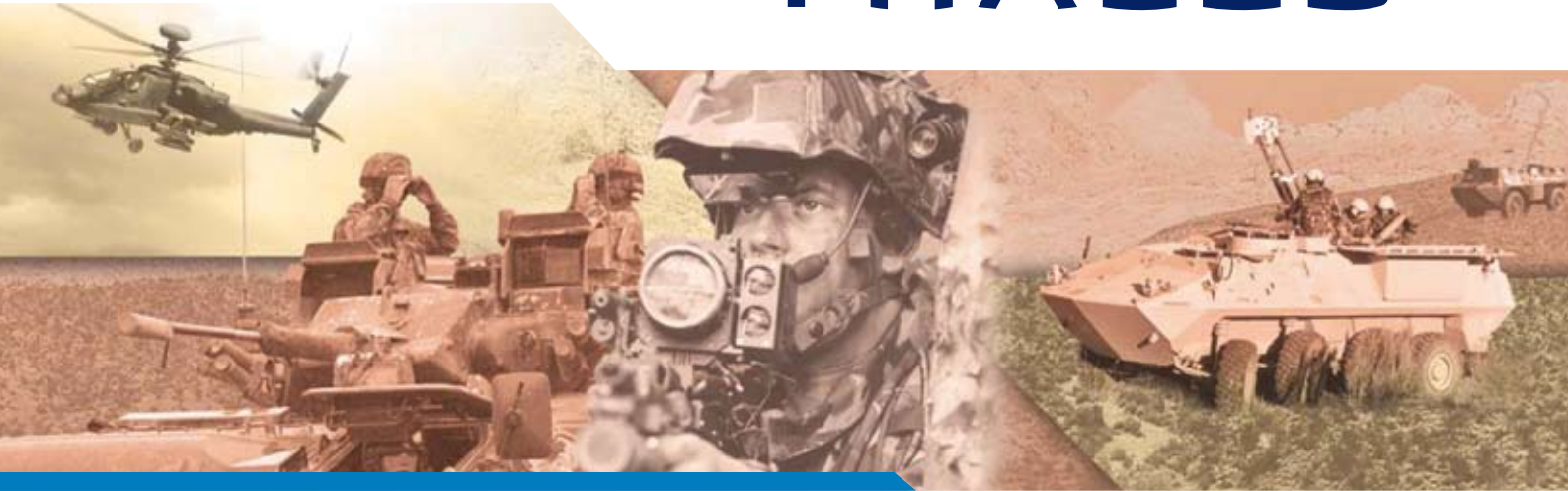


THALES



SOTAS_{IP}

The New Standard in Vehicle Communications



SOTAS_{IP} — The only Vehicle Communications System that has it all

Highly Scaleable – cost-effective solutions for all types of vehicles and requirements

- From small voice intercom to complete multimedia command post network

Voice, data and video on one integrated system

- More services with less boxes and less cables

Embedded IP services

- Perfect blend of COTS standards and rugged MIL-Spec construction

Integrated Multi-platform Networking

- Ad-hoc (S-)WLAN, optical and electrical
- All services available over the multi-platform network

Ease of operation

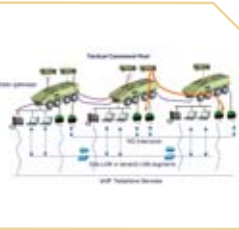
- Easier than a traditional intercom

SOTAS systems have been fielded in over 20 countries



SOTAS_{IP}

The New Standard in Vehicle Communications



WLAN

Integrated Vehicle Communications System

SOTAS_{IP} offers all required vehicle communications services on a single system. SOTAS_{IP} integrates the vehicle intercom, the Ethernet LAN, the IP router, the VoIP phones, the serial data links, the radio gateways, the command post network, etc. etc. in one rugged, reliable system. Offering more services than other systems, with less boxes and less cables, using less space.

SOTAS_{IP} – One system for the whole fleet

SOTAS_{IP} is designed to be flexible and scalable. With a range of system modules SOTAS_{IP} can be configured for all types of vehicles and requirements. From small voice intercoms to multi-media command post networks. Installed SOTAS_{IP} systems can easily be upgraded to higher service levels when new requirements emerge. This makes SOTAS_{IP} an excellent choice, also when current requirements are intercom-only.

Crystal Clear Communications

The Dynamic Noise Reduction system eliminates the vehicle noise from the microphone signals. SOTAS_{IP} offers crystal clear voice communication in noisy vehicles. Over the intercom and over the radios.

Multi-Vehicle Networks

SOTAS_{IP} services are not limited to individual vehicles. SOTAS_{IP} offers multi-media inter-vehicle networking: voice, data, video communications, sharing of radios, sensors and computer resources, etc. Vehicles can be connected in any order and in any topology. On connection, SOTAS_{IP} automatically adapts to the new topology; no management action is required.

WLAN

In addition to wired (fibre and electrical) networks SOTAS_{IP} provides ad-hoc WLAN networking with multi-hop routing, enabling random network topologies.

Mobile Tactical Internet

SOTAS_{IP} integrates the BMS, the radios, telephone services and IP services. SOTAS_{IP} provides interoperability between radio networks (UHF, VHF, HF) and with the Wide Area Networks.

FEATURES

SOTAS_{IP} features include:

- Very high audio quality (DNR)
- Multiple intercom channels
- Emergency override
- Mono and Split-ear (stereo) headset support
- Telephony (VoIP, PTSN; ISDN) on crew stations
- Field telephone service, including radio access
- Comprehensive radio services, including gateways, radio silence, radio rebroadcast and radio status indication
- Telephone (VoIP, PTSN; ISDN) gateways for Combat Net Radios (CNR).
- BMS support – communications server for optimised data networking over CNR
- Crew briefing system for APC passengers
- Wireless voice/data intercom for dismounted soldiers using duplex or half-duplex Personal Role Radios
- Async and Sync serial data (RS232/422/485)
- 100 Mbps optical Ethernet interfaces
- 10/100 Mbps electrical Ethernet interfaces
- Ethernet / MAC switch (incl. VLAN support)
- IP routing (multiple protocols)
- Interoperable with tactical and commercial IP networks
- Integrated multi-vehicle networking
- All services available on multi-vehicle network
- Ad-hoc WLAN networking with multi-hop routing
- Compatible with all relevant in-service CNR
- Interworking with Vehicle Management System (CAN).
- And more...
Contact Thales for a briefing on the full potential of SOTAS_{IP}

SOTAS_{IP} is a hermetically sealed, robust MIL-SPEC system that requires no special protection measures when installed. Designed to be used in harsh environments the system has a very high availability.

- MIL-STD-810/F
- MIL-STD-461E
- MIL-STD-1275B
- CE-compliant



Thales

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