OPERATIONAL REQUIREMENTS

On modern battlefields, Forces need to increase the tempo of the maneuver. Fastest cooperative engagement calls for a superior communication, command, control and information radio system. From tactical edge to command posts, everyone needs to focus on their mission while expecting the right information at the right time. Battlefield tactics define on short notice some ad hoc operational transverse and geographical Communities of Interest that gather a variety of members who traditionally belong to different communication networks. Bridge the gap, avoid gateways, accelerate hierarchical AND geographical collaborative communications are the operational requirements.

THALES SOLUTION: SYNAPS

SYNAPS Networking Capability

SYNAPS radio network scales with ease: from small and highly capable special forces up to complete brigade deployment. SYNAPS networks land combined arms, army helicopters, as well as airborne and naval assets, breaking operational silos. All SYNAPS radios provide the warfighter on the battlefield with unique extended operational range and connectivity thanks to advanced radio protocols and excellent radio performances.

SYNAPS also connects natively NATO and coalition forces in an optimized and secure manner.

SYNAPS Multi-Service Capability

From Order of Battle to mission success, combat voice, BFT (Blue Force Tracking) and situation awareness, chat, SMS, images and video are distributed simultaneously in perfect time to relevant members of the SYNAPS unified network. Security is end-to-end without deciphering between nodes. Ease to use: mission planning is fully automated and does not require complex training or additional manning, while radio operation is simple and easy for the warfighter.

SYNAPS V

2-channel V/UHF SDR

SYNAPS T

Vehicular V/UHF SDR

SYNAPS H

Lightweight V/UHF SDR

SYNAPS A

Airborne V/UHF SDR

SYNAPS WAVE

Set of Advanced and Interoperability Waveforms

SYNAPS X

For F@stnet Station

SYNAPS EASY

Mission Preparation Tool