SMART SOFTWARE TOOL FOR AN EASY MISSION PREPARATION

➢ Automated and easy to use graphical mission preparation tool
➢ Single application for SYNAPS and HF/VHF Thales radio configuration
➢ Automatic frequency plan generation taking into account the battlefield constraints
➢ Automatic IP addressing plan and sovereign keys generation
➢ Simplified migration from your existing Thales mission preparation tool

RADIOCOMMUNICATION PRODUCTS AND SOLUTIONS

SYNAPS EASY
Radio Network Management System
Thales offers the capability to simplify drastically the preparation mission duty and consequently save time and effort. Indeed, SYNAPS EASY converts automatically the operational needs - starting from the graphical view of battle order (ORBAT) and Information Exchanges Requirements (IER) - into radio networks and then computes automatically keys, frequencies and IP addresses. It is a real breakthrough in mission preparation duty that can now be realized faster by a non-radio expert with limited number of training sessions. During this automatic process, SYNAPS EASY is also capable of selecting and configuring automatically the right waveforms. Moreover, compared to any manual or semi-automated tool, SYNAPS EASY ensures a mistake proof configuration.

**AUTOMATIC FREQUENCY/IP ADDRESSING PLAN GENERATION**

SYNAPS EASY generates automatically the frequencies by taking into account the allowed frequencies for each mission, the battlefield constraints: proximity between stations (co-site, co-vehicle), the frequencies used by other radio devices (even non-Thales radios), the expected operational flexibility (task force reorganization without reconfiguration, split and merge), the constrained frequency plan (i.e. SPECTRUM XXI).

**A SINGLE APPLICATION FOR SYNAPS AND HF/VHF RADIOS**

With a single application configuring SYNAPS and HF & VHF Thales radios, training sessions are significantly reduced. The operational needs are defined only once which saves time, effort and errors.

For each mission, SYNAPS EASY generates automatically the corresponding configuration files which then will be loaded into the different radio types available on the battlefield. By limiting the diversity of configuration files on the battlefield, the management of fill guns is also simplified and the associated potential mistakes are significantly reduced, even avoided.

**SOVEREIGN KEYS GENERATION**

SYNAPS EASY generates automatically COMSEC/TRANSEC keys thanks to a dedicated security resource that can be based either on SOFTWARE or on HARDWARE.

**SIMPLIFIED MIGRATION**

Thales is ready to support you during the migration phase towards SYNAPS EASY by offering you dedicated customer services that will facilitate the transition.