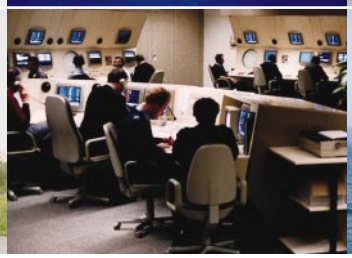
THALES COMMUNICATIONS








TMO 2100

LINK16 NETWORK DESIGN & PLANNING TOOL

- > L16 communication requirement entry
- > Automatic Time Slot allocation
- > L16 terminal initialisation data generation
- > MIDS-LVT and JTIDS Class2H terminals
- > NATO Exchange Standard, input and output
- > PC software, windows NT, C++

THALES

TMO 2100

L16 NETWORK DESIGN & PLANNING TOOL

TMO 2100 product line provides for a suitable solution to any L16 nation inevitable requirement for a L16 Network Design & Planning activity.

TMO 2100 is a PC hosted software tool, to be used before any operation involving L16, which generates consistent initialisation data files for L16 units, whatever their L16 terminal type (MIDS-LVT, JTIDS Class2H,...).

TMO 2100 is based on the ODER tool which was developped for the French Air Force several years ago, and which has been regularly upgraded with new capabilities since its first delivery.

TMO 2100 can be fitted to customer requirements, such as operator language, platform type (fighters, ships, ground stations, etc), L16 terminal, or operator access to parameter values.

TMO 2100 works either in "creation" mode, thus allowing the operator to design (and modify) a L16 network "from scratch", or in "import" mode, allowing him to generate initialisation data files from design data coming from a remote Design Tool.

TMO 2100 has taken advantage from the actual THALES Commmunications experience and know-how in the MIDS/L16 field, and will continue to do so.

1 - L16 NETWORK REQUIREMENTS

> Global parameters
- Frequency Clearance Agreement parameters
- Range & communication modes, default parameters

> L16 network participants
- Graphic function, for existing or generic platforms

> Participation groups
- Network or Needline PGs, and related parameters

> Subscription of participant to PGs
- Graphic function, reception/transmission/relay

> Connectivity matrix
- Automatically created
- Global TSDF and required resources indicators

2 - TIME SLOT ALLOCATION

> Powerful constraint algorithm
- MIDS constraints (TDMA, nets, voice, relay, etc)
- L16 terminal constraints (common and specific)
- Frequency Clearance Agreement constraints
- Reserved and imposed resources constraints

> Other characteristics
- Help messages, when no solutions
- Growth potential, due to software technology

3 - INITIALISATION DATA GENERATION

> Network type ouput data
- NATO ASCII standard, JNL format, etc

> Platform type output data
- terminal ICD formats, E-3 CAF49, etc
- MIDS-LVT, JTIDS CI2H shipboard, airborne, etc

> Other characteristics
- Easily upgradable to new output formats
- Open to operator access to output parameters

SERVICE FUNCTIONS

> Reference Data Base
- Platform types, PG and subscription default values
- Terminal ICDs and default output parameters
- Frequency Clearances Agreement

> Internal network management
- Network creation, modification, duplication, import
- Network form and related parameters

CONFIGURATION

> Hardware
- Personal computer, Windows NT 4.0
- 64 Mbyte RAM, 1280x1024 screen prefered

> Software
- Personal Oracle required
- ILOG Views and ILOG DB Link runtimes
- C++ programming language

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