TMO 3100
TDL INITIALISATION AND CONTROL TOOL

> **L16 terminal initialisation**
> **L16 terminal control and supervision**
> **L16 manual network control and supervision**
> **L11 & L14 control and supervision**
> **PC/Windows or WS/Unix**
> **Open to various platform architectures**

THALES

TMO 3100

TDL INITIALISATION AND CONTROL TOOL

TMO 3100 product line provides for a suitable solution to the requirement for an on-board on-line management tool capable of initialising, monitoring and controling any platform Tactical Data Link (TDL) equipment.

TMO 3100 is a software tool, which works both on predefined network data (such as L16 network designs) and operational data (such as the Optask Link message), and is operated first during the TDL equipement initialisation phase and then during the on-line network management phase.

TMO 3100 is based on the OSIM tool which was developped for a French Air Force L16 ground centre application, taking advantage from the actual THALES Communications experience and know-how in the TDL field.

TMO 3100 works either in "local" mode, thus allowing the operator to initialise, monitor and control local TDL equipment, or in "network" mode, allowing him to monitor, test and modify on-line TDL networks, including L16 networks.

TMO 3100 can be fitted to customer requirements, such as operator language, on-board TDL equipment (L11, L14, L16, etc), operator "need to access" to TDL equipment parameters.

TMO 3100 can be used through a TDL interface processor and in this case provides also the management of this interface processor.

SERVICE FUNCTIONS

> TDL interface processor management
- Depending on platform architecture, may provide management as a remote "control box"

> TMO 3100 management and services
- On-line help
- Access, log, save and help functions

> Hardware and software configuration
- Various possible environments
- Includes PC/WindowsNT and SunSolaris/Unix

L16 TERMINAL INITIALISATION

> Import of network dependent initialisation data
- Network level parameters (Time Slots,etc)

> Local storage of platform dependent initialisation data
- Platform physical integration (cable delays, etc)

> Manual input of mission dependent initialisation data
- Track numbers, radio modes, channel configuration

L16 TERMINAL CONTROL & SUPERVISION

> Local supervision of L16 terminal
- Host / L16 terminal connection chain statuses
- Terminal initialisation & synchronisation statuses
- Transmission quality, built-in-test statuses

> Local control of L16 terminal
- Parameter load, time entry, network entry & exit
- Adaptable parameter modifications
- Built-in-test control, alarm reset, etc
- Voice and control management

L16 MANUAL NETWORK CONTROL & SUPERVISION

> MIDS / L16 network supervision
- JU connectivity and connectivity quality
- Test and technical message supervision
- Frequency clearance monitoring

> MIDS / L16 network test
- Local and remote test message transmission control
- Network level diagnosis-oriented technical actions

> MIDS / L16 Network modification
- Network time update control, relay management
- Time slot / relay slot blocks dynamic management

L11 AND L14 CONTROL & SUPERVISION

> L11 modem control and supervision
- Precise statuses and modification of local L11 modems

> L11 network control and supervision
- L11 parameters initialisation/display/modification/saving
- L11 network activity monitoring (active PUs, Rx quality)

> L14 equipment control and supervision
- Precise statuses and modification

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