

Multi-TDL Planning System (MTPS)

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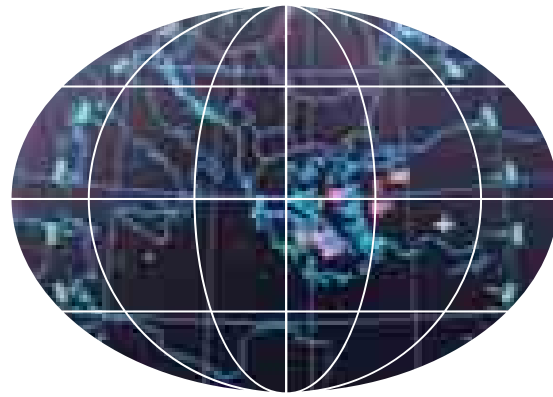


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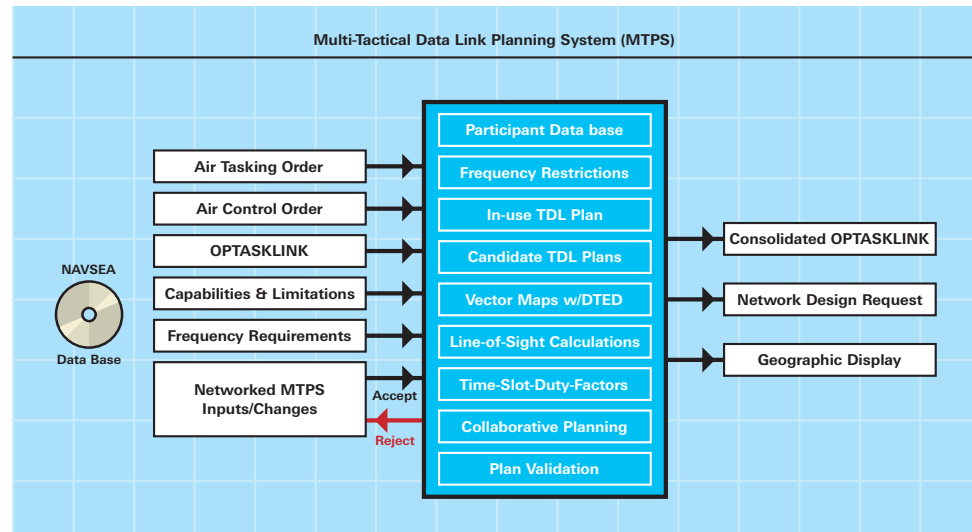
Interoperability Systems
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Multi-TDL Planning System



The task of planning multi-TDL networks for single-service, joint, and coalition operations has always been a complex and time-consuming chore that frequently involvestrial and error or even guesswork. The need to compile Information Exchange Requirements (IER), unit capabilities, JTIDS network design requests, frequency clearance restrictions, TDL operating characteristics, as well as geographic and line-of-sight information is a tall order even for experts.

To address this problem, a retired Joint Interface Control Officer (JICO) with more than 20 years of operational TDL experience partnered with a TDL system design and development company to create the Multi-TDL Planning System (MTPS). MTPS is a user friendly, operator intuitive system that supports the collaborative planning and execution of multi-TDL networks to include: Link 11A, Link 11B, Link 16, IJMS, Link 4A, ATDL-1, Link 1, JREAP A, B, and C with future upgrades to Link 22 and VMF in the works.



Joint and Coalition Planning Capability MTPS uses the Joint and Coalition Planning Capability (JCPC) in order to support multilayered TDL planning from any location. JCPC is an advanced hierarchal networking system that allows the creation, merging, validation, and dissemination of multi-TDL plans developed at different times, different locations, and by different services or nations. This means that TDL planning does not have to occur in isolation without the input of critical forces.

Capabilities and Limitations Database MTPS integrates the NAVSEA Capabilities and Limitations database architecture making it interoperable with all U.S. forces and any other service or nation that uses this system. This database greatly enhances and simplifies the multi-TDL planning process, especially when integrating multiple platforms, services, and nations.



TDL Operations Management Capability MTPS also utilizes the TDL Operations Management Capability (TOMC) to provide the capacity to manage live data link operations. TOMC dynamically links every MTPS in the network in order to support the immediate dissemination of changes made to any portion of the multi-TDL architecture to the Network Manager and Sub-Network Managers. This system ensures that the Network Manager has the ability to approve or reject architecture changes made by Sub-Network Managers that could affect the overall tactical picture.

OPTASK Link MTPS automatically extracts the appropriate data from the individual data link plans in order to create the OPTASK Link. The operator may then modify, amplify, validate, and disseminate the OPTASK Link, greatly simplifying one of the most dreaded tasks of multi-TDL plan creation. The OPTASK is constantly updated as the plan is created or modified, which means the OPTASK can be transmitted once the plan is complete.

Functionality

- > Multi-TDL Planning Capability
- > Line of sight calculations
- > Live operations management
- > Advance network functionality
- > Connectivity Display
- > OPTASK Link production
- > Collaborative Planning
- > JTIDS/MIDS Network Design Request
- > TSDf Calculations
- > IER Management
- > Geographic Network Planning
- > Enhanced MTN briefing tool

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UNCLASSIFIED
EXER/MTPS TEST//
MSGID/OPTASK LINK/NIMITZ/001/SEP//
REF/A/DOC/NATO/31JUN2002//
AMP/REF A IS ADATP 16 VOL 1//
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Developed by Operators for Operators MTPS is a joint development project between Network Centric Solutions (Tactical Data Link and Network Centric consulting, training, and course development) and ISI Hellas (Tactical Data Link system design and development). The MTPS development team is comprised of a Joint Interface Control Officer with more than 20 years of operational TDL experience, and a software development team that specializes in TDL system development. For additional information about the Multi-TDL Planning System, visit www.tdl-planner.com.