

Metrea Mission Data

Spectral Plan

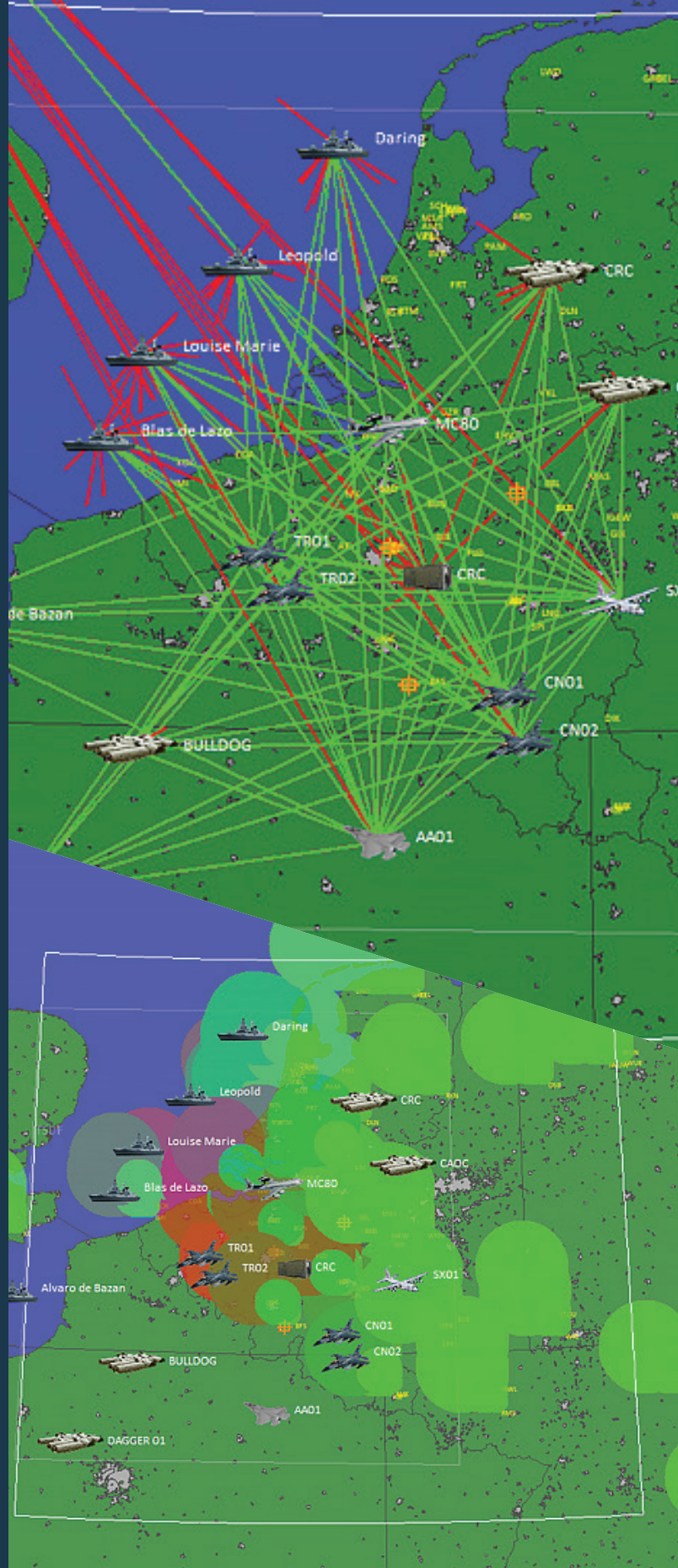
The Complete Multi-Tactical Data Link Planner

The ever increasing number of Tactical Data Link (TDL) enabled platforms operating in ever more complex multi-national operations has generated the need for automated planning support.

Spectral Plan provides the first multi-TDL planning tool designed to quickly and accurately develop a validated multi-link architecture - ensuring that the TDL environment is optimised from day one of the operation.

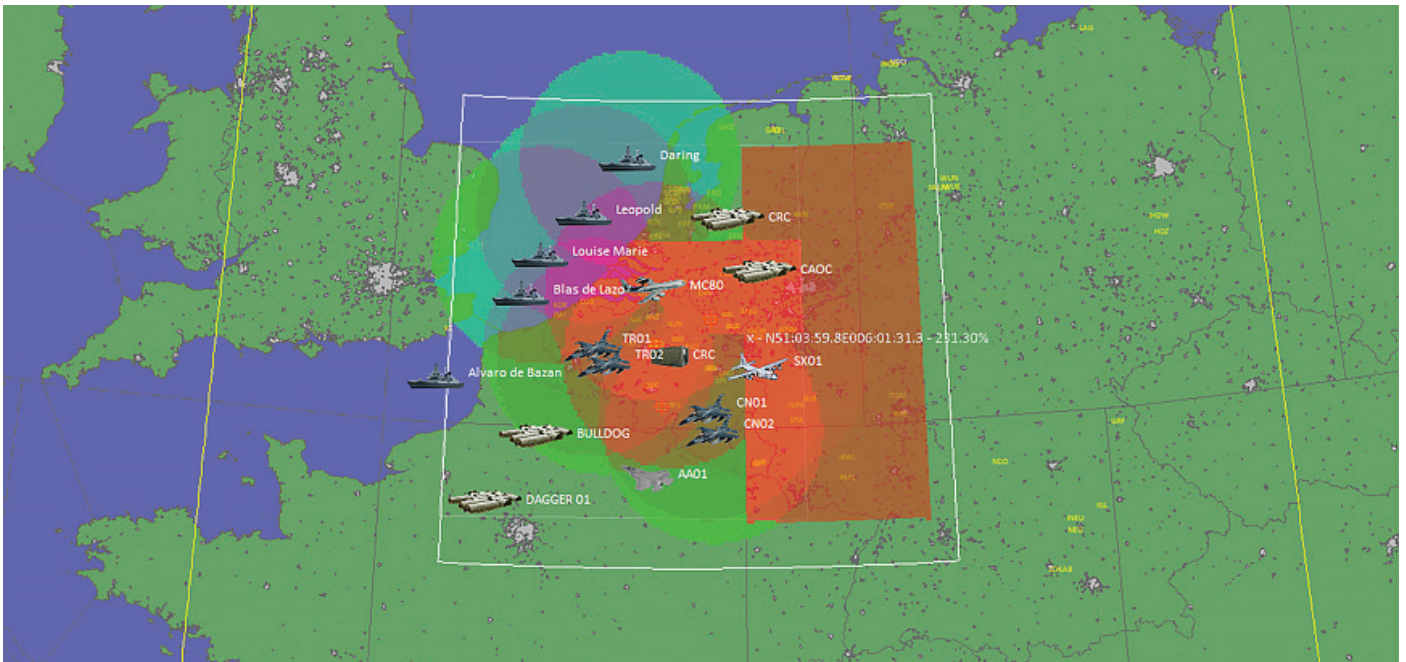
Spectral Plan maintains a fully configurable library of platform and network profiles that can be used to rapidly create the core architecture; this can then be quickly and easily amended to reflect the actual operational requirements.

Spectral Plan provides a range of automated analysis and validation features to enable the operator to quickly establish the operational effectiveness of the proposed architecture allowing informed decisions to be made to maximise the operational benefits.



Supported TDLs

- Link 1
- Link 11A/B
- Link 16
- JREAP
- Link 22
- SADL
- VMF



Operator Friendly Graphical User Interface (GUI)

- Windows GUI
- Validated field entry
- Drag and Drop

Library of Platform Capabilities/Limitations & IERS

- Platform performance characteristics
- TDL Capabilities and network usage requirements
- Default duty assignments
- Crypto Modernisation Capabilities

Library of Network Architectures

- Network performance characteristics
- Default crypto network wide settings

Frequency Clearance Agreement (FCA) Validation

- Platform and Network TSDF/ETSDF
- Geo and Area TSDF (foreground and background)
- Navigation Aids
- Import of xml Navigation Aid Database (for use within TSDF calculation)
- FCA validation report generation

Cross-Border Frequency Management Support

- Import/Export of JTIDS Coordination Message /JTIDS Forecast Activity Report
- Network and platform connectivity assessments
- Terrain based Line-of-Sight and transmission coverage areas

Range of Planning Outputs

- OPTASK LINK signal in multiple formats
- Link 16 Network Design Request
- JTIDS Forecast Activity report
- Daily planning timelines

Architecture Validation

- Synchronisation
- Information exchange capabilities
- Line of Sight
- TN Validation
- Effects of relays, gateways and forwarders



For more information on Spectral Link, contact us at:
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