



Spectral Test

A complete TDL Test, Evaluation,
Verification and Validation Service

Meta

MISSION DATA



Are you certain your Link 16 solution is fit for purpose?

LET SPECTRAL TEST SHOULDER YOUR RISK AND CONTROL YOUR COSTS

Spectral Test, Meta Mission Data's (MMD) Tactical Data Link (TDL) Test, Evaluation, Verification and Validation service is a radical, cost-effective and highly flexible approach to TDL testing. A cohesive service that encompasses a comprehensive array of engineering assurance and operational evaluation testing which comprises specialist people, proven process and world class tools, Spectral Test offers a deployable, scalable and integrated testing capability, only when you need it.

LOW RISK ✓ **CONTROLS COST** ✓
SCALABLE ✓ **PROVEN PROCESS** ✓

SAVE TIME, COST AND REDUCE RISK

Spectral Test enables an organisation to technically, and therefore financially, de-risk a Link 16 solution by providing iterative test assurances, increasing supplier confidence of achieving a successful delivery and operational evaluation outcome.

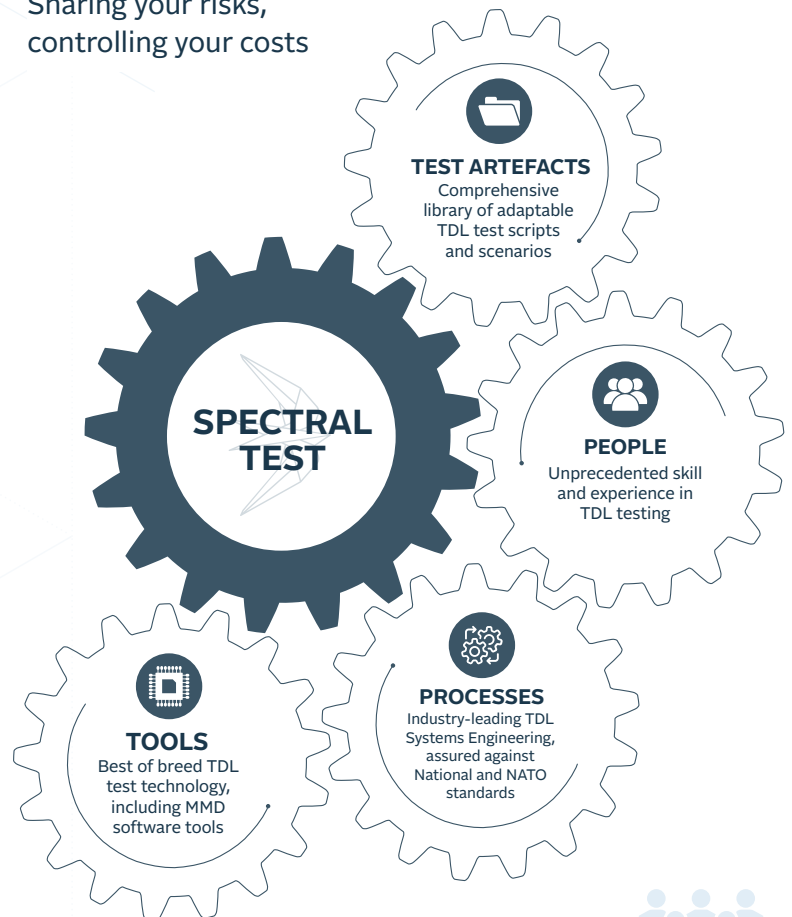
Our team's specialist testing knowledge, experience and training minimises (and could eliminate) the need for a supplier to otherwise expend significant effort and cost in planning and engaging in their own extensive testing training in principles, and on test product familiarisation, and all without the benefit of the necessary experience.

PROVEN EXPERIENCE

MMD has a depth and breadth of Link 16 testing knowledge and experience gained over many years of engineering and operational test support. We also benefit from long-standing relationships with some of the TDL community's most recognised and trusted suppliers of proven Link 16 test support tools. The value, agility and reliability we can bring to your modernisation program through Spectral Test are unrivalled.

Spectral Test

Sharing your risks,
controlling your costs



PEOPLE

DEDICATED LINK 16 SPECIALISTS:

- Knowledgeable and experienced MIDS/Link 16 Systems Engineers
- Current detailed knowledge of MIDS LVT (BU1 and BU2), MIDS-JTRS, KOR-24A STT, BATS-D Terminal types
- Provision of guidance and advice regarding Link 16 platform/system modernisation, upgrades and associated testing and assurance needs
- Knowledgeable and experienced ex-military operators of Link 16 platforms/systems
- Provision of guidance and advice regarding Link 16 Operational Test and Evaluation assurance needs
- Authorised as a UK Sub-Network Manager allowing 'closed networks' for testing to be run by MMD



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TOOLS

PRINCIPAL CAPABILITIES OF OUR
SUITE OF WORLD CLASS TOOLS:

- Network planning
- Terminal initialisation data preparation
- Terminal initialisation (inc. control, status monitoring and data recording; also for multiple Terminals on a concurrent basis)
- Our own KOR-24A and BATS-D Link 16 terminals for live testing
- Terminal interface emulation (including Host and Support port)
- Terminal simulation (also multiple Terminals)
- Host emulation
- Platform simulation
- Network simulation
- Recorded data reduction and analysis
- Operational Test and Evaluation assurance needs

PROCESSES

PROCESSES, PROCEDURES AND STANDARDS COVERING:

- Knowledge and application of Systems Engineering IEEE standards and V-model approach to assurance test planning, methodologies, readiness, conduct, data capture, analysis, evaluation and reporting
- Operational support to the planning, conduct, data capture, analysis and reporting of Link 16 trials, exercises and Operational Test and Evaluation activities
- Detailed knowledge of NATO STANAG's, ATDLP's and US MIL-STD's for Link 16 and other TDLs
- Understanding and experience of using NATO Standard Operational Procedures and other Allied Publications

TEST ARTEFACTS

COMPREHENSIVE DATABASE OF:

- Test scenarios
- Test scripts
- Test Network Designs
- Test Reports
- Initialisation Data Loads

Systems Engineering V-model

