

# SPiRiT - Tactical Data Link (TDL) Testing

## Datasheet

### Fourth Generation Interoperability (IO) Management

#### Requirements Based Testing

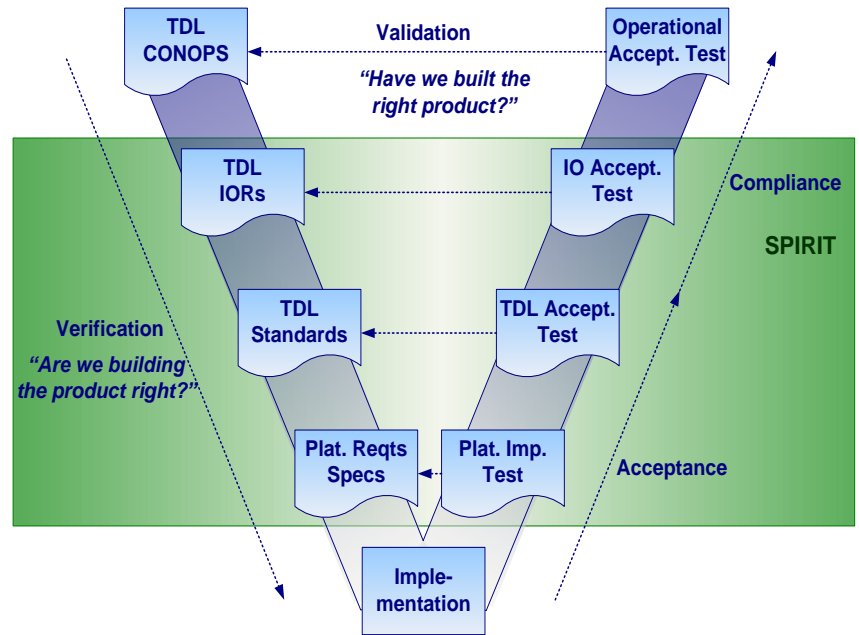
Efficient TDL testing requires a coherent Systems Engineering approach supported by the subject matter expertise and tools to establish validation and verification of the implemented standards.

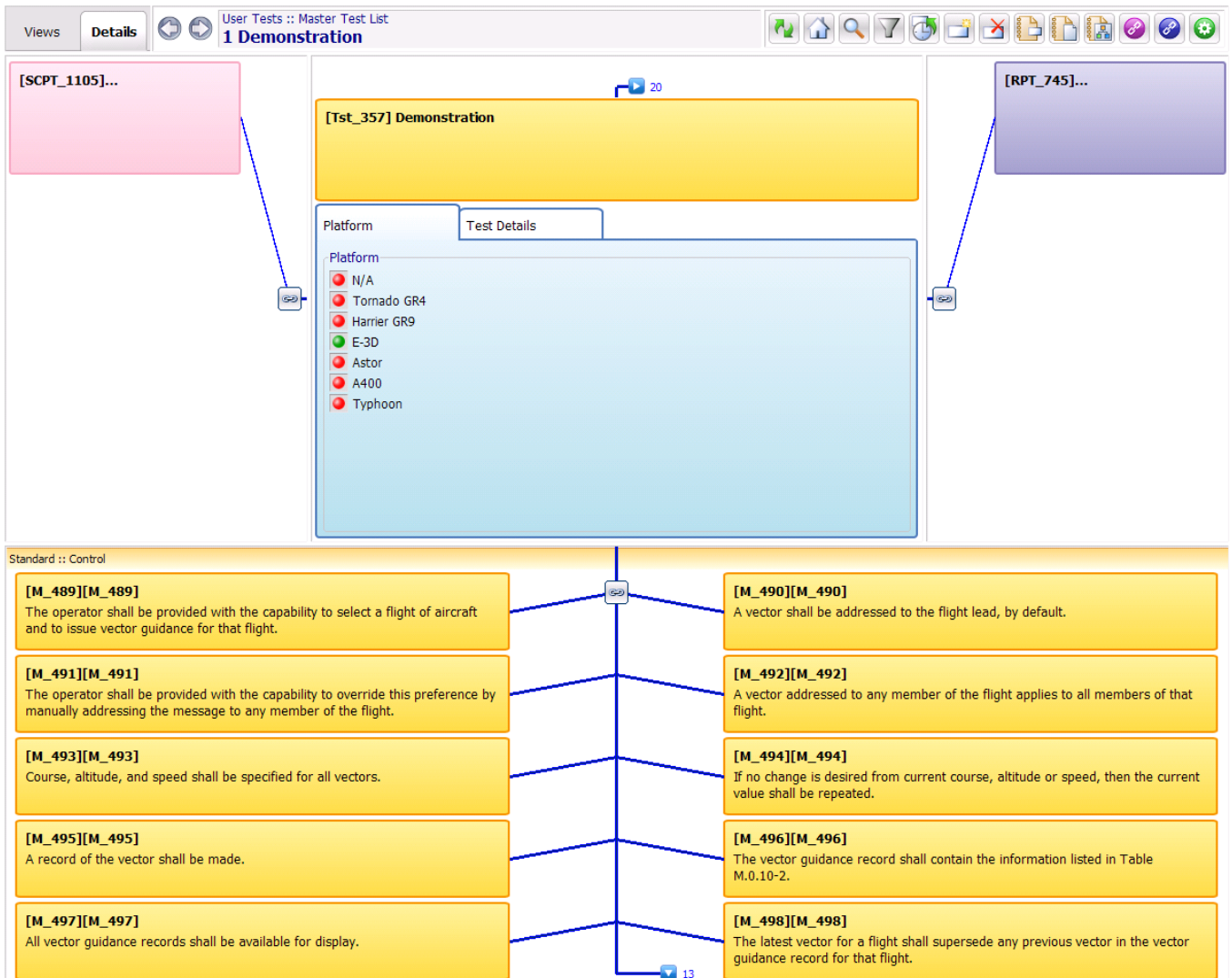
SyntheSys has harnessed the power and capabilities of IBM Watson Internet of Things (IoT) Rational DOORS to capture and manage the TDL standards within System Process for Interoperability Requirements and Implementation Testing (SPiRiT).

SPiRiT allows for a subset of requirements representing an individual platform implementation to be established and managed for the purposes of test tracking and compliance measurement.

SPiRiT contains a suite of bespoke tools for:

- Test generation
- Test search
- Test execution
- Result capture for multiple test runs
- Test run comparison
- Aggregation of all test artefacts
- Test metrics against standard by platform





### Easy Browser Style Visualisation of Full Test Details and Linked Requirements

SPIRIT provides a complete framework for TDL testing:

- TDL requirements captured and configured within IBM Watson IoT Rational DOORS
- Transactional Requirements Unified Modelling Language (UML) modelled for requirements validation and logical analysis
- Library of generic test cases
- Full traceability between requirements and test cases
- Full traceability between requirements and UML transactional models
- Intuitive test creation interface
- Intuitive traceability navigation between requirements and test artefacts
- Integrated and configurable reporting

### About SyntheSys

SyntheSys provides defence systems, training, systems and software engineering and technical management services over a spectrum of different industry sectors. Along with distinct support and consultancy services, our innovative product range makes us first choice provider for both large and small organisations. Established in 1988, the company focus is on fusing technical expertise with intuitive software applications to solve common industry challenges.