

IBM® Engineering Requirements Management DOORS® Family TERMINAL TEST TOOL

Datasheet

Terminal Test Tool

Link 16 Interoperability (IO) is not limited to confirming that data processing and exchange is occurring correctly. The terminals that control the provision of the waveforms carrying Link 16 data are themselves complex processors and, as they are themselves subject to through-life development, they need to be tested as a necessary part of system verification and validation.



Our Terminal Test Tool (TTT) provides a highly intuitive, process driven application, which reduces cost, increases efficiency, and improves the quality of testing. Based around IBM® Engineering

Requirements Management DOORS® Family, it provides a rich visual environment that takes the tester from selection of requirements to test, through test development, test execution and results reporting. It incorporates a central repository for all test inputs and outputs.

We use our IBM® DOORS® Family expertise to capture all related specification documents and use embedded IBM® DOORS® Family traceability links to relate functionality between the various specification documents. An IBM® DOORS® Family architectural schema has been designed to support the information model for testing of Tactical Data Link (TDL) hardware.

TTT user functionality has been implemented within IBM® DOORS® Family® through the production of supporting IBM® DOORS® eXecutable Language (DXL). This provides access to a range of functionality to manage the selection of requirements and creation of new formal test modules with appropriate automated traceability linkages to the source standards. The TTT's test tracking tool kit is utilised to elicit results captured against the generated test module.

Test reporting is handled through IBM® Engineering Lifecycle Optimization - Publishing. A number of report templates are pre-defined supporting the IBM® DOORS® Family database schema to output test documentation in an efficient manner. Test Report, Test Matrix and Verification Cross Reference Index (VCRI) are examples.

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.