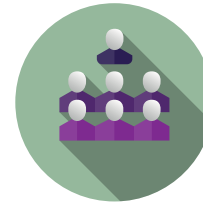# TIGER

Tactical Data Link Integration Exerciser

Can be supplied in hardware

Reduces time, cost, and effort

User group and customer feedback

TIGER is a powerful battle-space data link simulator with a flexible array of additional analysis capabilities for Link 11, 16, 22, DIS, JREAP C & SIMPLE. TIGER comprises of a comprehensive and integrated suite of applications that enable the development of complex, dynamic and interactive simulations of TDL message exchange between generic Tactical Data Systems. It can be used in multiple operational configurations, it models platform kinematics, sensor capabilities and sensor targets, follows Link 11, Link 16 and Link 22 tactical message protocols in order to meet test environment requirements.

Capabilities

► Supports the generation of all TDL messages in accordance with a defined standard for Links 11, 16 and 22

► Facility to generate messages not yet defined in the standard or containing deliberate errors for test purposes

► Provides the capability to simulate a complete TDL environment or contribute to a live/SIM environment

► Employs a scenario generation facility incorporating Command and Stream capabilities for realistic repeatable scenario based testing

► Provides a full recording/playback capability for problem identification and analysis

Features

► Link 16 Host, Terminal and Monitor Modes of Operation

► In Host mode, enables the tester to initialise, control and monitor operations of JTIDS Class II terminals and MIDS Low Volume Terminals (LVT) via the platform host interface

→ Supports Legacy JTIDS Class II interfaces, MIDS LVT Platform Types A, B, D, G, I, J, Q & R plus MIDS JTRS CMN4 and MIDS LVT BU#2

► In Terminal Simulation Mode TIGER simulates the operation of the terminal and exchanges messages with the Host system as a real terminal would

► Can be used in a STANAG 5602 compliant SIMPLE network.

► Supports DIS, TIF, SWIF and JREAP-C

Benefits

► Provides repeatable testing to support system integration and regression testing reducing time, effort and cost of the test, evaluation and verification process

► Ability to generate predefined message streams to support focused testing reducing time and effort across the testing process

► Scenario generator enables automated Command entry to reduce time and effort in scenario production and subsequently overall cost

► Records all output and input interaction. Allowing issues to be investigated and repeatable analysis of a platforms integration and message exchange communication architecture

► All recordings compatible with MANDRIL for post-test detailed analysis and rule-based automated analysis

► Comprehensive technical support and maintenance

► User group and customer feedback drives continuous development