Tactical Data Link Integration Exerciser (TIGER)
The Tactical Data Link Integration Exerciser (TIGER) generates Tactical Data Link (TDL) messages and network traffic, simulating a complete tactical exercise to facilitate system testing and training. TIGER is based on the U.S. Navy’s Multi-Link System Test and Training Tool (MLST3) and is used by the Navy, Air Force, Department of Defense contractors and joint test organizations to test conformance with tactical data link standards and interoperability certification requirements. TIGER’s message processor interacts with a variety of TDL terminals and networks to test interoperability in accordance with the latest military specifications.

Provides Test Visibility, Analysis and Interaction
The TIGER Tactical Situation Display (TSD) provides the user with a map display of the test area overlaid with the positions of live and simulated tracks and units using standard symbology. The Message Monitor allows the user to observe network traffic on all TDLs, filterable by TDL, message type, transmitting terminal, or other parameters. Within these displays, the user can select a track/unit or a message and drill down for detailed information.

Features & Benefits
- Injects realistic tactical messages and network traffic for software development, system development, and platform integration and testing
- Supports most TDLs, including Link 16/11/22, DIS, JREAP, and SIMPLE
- Enables testing under pre-scripted conditions for fast, efficient, and repeatable testing
- Enables ad hoc message injection, such as adding units and unit responses
- Provides the ability to easily develop scenario files emulating various tactical scenarios
- Provides overall test visibility via a situational awareness display
- Provides message monitoring
- Records network traffic and user commands for post-test analysis
- Emulates Link 16 terminals to facilitate host development and testing

Flexible Scripting Application Supports Easy Creation of Test Scenarios
Analysts use the TIGER scenario developer application to script reusable test scenarios. TIGER can simulate the most common units, including Link 11A participating units (PUs), Link 11B reporting units (RUs), Link 22 NILE units (NUs), and Link 16 Joint Tactical Information Distribution System (JTIDS) units (JUs).

TIGER’s script analyzer provides a descriptive summary of the scenario, including units, tracks, event sequencing, duration, and any scripting errors.

Interoperable with TDL Test Tools for Extended Network Stimulation and Analysis Capabilities
The TIGER test tool also provides seamless integration with third-party TDL test tools, including Message Analysis and Data Reduction for the Integration of Links (MANDRIL).

TIGER can be networked for distributed testing and training using Northrop Grumman’s Gateway Manager. Gateway Manager routes tactical data to connect geographically separated networks.

To achieve a wraparound, closed-loop test configuration for system integration and qualification, TIGER also communicates with Northrop Grumman’s Distributed Sensor Sim/Stim (DS3), which adds powerful tools enabling simulation of sensors within the test networks.
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