CURTISS-WRIGHT

Why Developing Link 16 Solutions Requires TCG BOSS®

Curtiss-Wright's TCG Battlefield Operations Support System (BOSS) is used by military test, evaluation, & certification organizations around the world to:

+ Test and verify tactical data link (TDL) implementations
+ Ensure interoperability across TDL solutions
+ Validate conformance with military standards

Here's what TCG BOSS can do for you

1 Prevent Certification Failures

Run validation tests on your Link 16 solution before submittal for certification
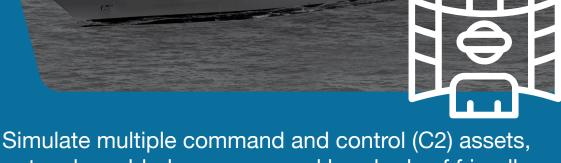
TDL test and certification centers worldwide rely on TCG BOSS to test and validate Link 16 solutions for use in U.S. and NATO operations, minimizing test failures and their impact on budgets and schedules.

2 Simulate Real-World Tactical Environments

Put your Link 16 solution at the center of a realistic battlefield simulation then watch how it behaves as the tactical situation evolves

Simulate multiple command and control (C2) assets, network enabled weapons, and hundreds of friendly and hostile forces to determine your platform's response to a realistic battlefield including simulated destructive and emergency testing.

3 Emulate Link 16 Terminals

Test interoperability and failure scenarios with a variety of Link 16 radios, without leaving the lab

Simulate radio failures, such as thermal overloads, without worrying about destroying valuable equipment.

4 Simplify Link 16 Testing & Simulation

Point-and-click to create test and simulation scenarios in just a few minutes instead of hours or days

TCG BOSS does the hard work of scripting, terminal initialization, multi-scenario generation, platform emulation, and more, behind the scenes enabling users to focus on testing.

5 Go Beyond Link 16 Simulations

Use TCG BOSS to simulate up-to-date tactical implementations for major TDL types, including:

+ Link 11 and Link 16
+ Situational Awareness Data Link (SADL)
+ Joint Range Extension Applications Protocol (JREAP)
+ Distributed Interactive Simulation (DIS)
+ Standard Interface for Multiple Platform Link Evaluation (SIMPLE)
+ Automatic Dependent Surveillance – Broadcast (ADS-B)
+ Automatic Identification System (AIS)

Curtiss-Wright's TCG BOSS is the most complete, reliable, easy-to-use, and cost-effective TDL test and simulation solution available for

+ TDL system verification
+ Laboratory platform integration
+ Depot-level maintenance
+ Developmental and operational testing

TRUSTED PROVEN LEADER

To learn more, visit: https://www.curtisswrightds.com/boss