



Tactical Communications Group, LLC

BOSS[®]

VALIDATE

YOUR DATA LINKS



SIMULATE. TEST. INTEGRATE.

BOSS is a technologically advanced, standards compliant data link simulation and test device.

“We managed to get through our formal software qualification ahead of schedule... BOSS was valuable in achieving this milestone”

Test Manager, Major Defense Company

TACTICAL TEST AND SIMULATION DATA LINKS SIMPLIFIED

(978) 654-4800

www.g2tcg.com

BATTLEFIELD OPERATIONS SUPPORT SYSTEM (BOSS) – THE PREFERRED STANDARD FOR TDL TESTING

BOSS is the Standard Tactical Data Link (TDL) Tool for Multi-Link Certification Testing and Platform Integration since 2003.

MEET THE BOSS

BOSS is TCG's TDL testing and platform integration solution allowing military end users and prime contractors to verify that the tactical data link implementations being delivered on aircraft and other military platforms conform to Link 16, Link 11, JREAP, SIMPLE, SADL, DIS and related TDL standards and interface definitions.

ROBUST SIMULATION & SCRIPTING

The integrated multi-TDL network simulation capability provides industry leading ease-of-use, allowing for complex test cases/scripts to be created in a matter of minutes versus hours. BOSS provides comprehensive message scripting/generation, network simulation, real-time and post-test monitoring and analysis from a single hardware/software system.

MINIMIZE TRAINING

BOSS's familiar Windows-based GUI, combined with TCG's own simplified approach to TDL interaction, provides the most intuitive user experience for TDL testing and minimizes training time.

READY NOW

Over 300 BOSS systems are deployed and in operation worldwide. Certification and Testing agencies such as JITC, AFSIT, AF DT/OT (46th, 412th), and Navy (China Lake, SAIL, NELO) use BOSS as the standard for testing of other platforms. Primes such as Boeing, Northrop, Raytheon, Rockwell, and Lockheed use BOSS for platform integration testing.

BOSS is Ready Now to support your TDL testing requirements.



BOSS IS A POWERFUL TDL NETWORK SIMULATOR AND EXERCISER, CAPABLE OF CREATING A COMPLETE AND VERY REALISTIC TEST ENVIRONMENT THAT CAN INCLUDE VIRTUAL C2 ASSETS, NETWORK ENABLED WEAPONS, TARGETS, THREATS, AND SIMULATED NETWORK PARTICIPANTS

CLIENT CASE STUDIES

US AIR FORCE

Leveraging its deep test and simulation capabilities, the USAF uses BOSS to verify a multitude of link-enabled military airborne and ground C2 communication platforms comply with Link 11, Link 16, JREAP, SADL and other military communication standards.

INTERNATIONAL PRIME CONTRACTOR

Multiple international prime military contractors have selected BOSS to conduct comprehensive testing for compliance with Link16 standards related to new modifications being made to the mission operating systems of the Joint STARS aircraft, including integration changes related to the new MIDS-JTRS terminal and Network-Enabled Weapons.

PILOT TRAINING FACILITY

BOSS has been used to substantially reduce the number of live assets needed for mission training for instance by replicating and injecting a virtual aircraft, ground and sea platforms and targets into training scenarios that provide the participants data nearly identical to that available from live assets.

THE MOST COMPLETE, COST-EFFECTIVE, AND RELIABLE TDL TEST SOLUTION ON THE MARKET



BOSS CAPABILITIES AND FEATURES

- > Multi-Link message processing
- > Tactical situational display
- > Track & message simulation
- > Offline and Sim-over-Live Scenario generation
- > Live-Virtual-Constructive (LVC)
- > RF and IFF processing
- > Range training officer support
- > Record/Playback
- > Remote client/server support
- > Real-time Pseudo Track support
- > Terminal Control Wizard (TCW)
- > Full terminal control
- > Terminal emulation
- > Cockpit display simulation
- > Network monitoring
- > Network Time Reference (NTR)
- > Multi-Terminal control
- > Network-Enabled Weapons
- > Dynamic message routing
- > Online Help and Job Aides
- > Desktop, notebook, or rack mount

TERMINAL AND INTERFACE SUPPORT

- > Link 16 Class 2 terminals
- > Link 16 MIDS LVT1
- > Link 16 MIDS LVT2
- > Link 16 MIDS LVT3
- > MIDS JTRS
- > Small Tactical Terminal (STT)
- > TacNet Tactical Radio (TTR)
- > JREAP-A & JREAP-C
- > Link 11 & Link 16
- > SADL
- > SIMPLE
- > DIS
- > Socket-J & Serial-J
- > Link 11 ATDS/NTDS

TCG is the leading independent supplier of tactical data link software solutions for military communications systems. TCG's comprehensive portfolio of TDL testing, training, simulation and battlefield operations solutions provides the warfighter proven multi-link communication capabilities to optimize performance and increase mission effectiveness.

CORPORATE Tactical Communications Group, LLC

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