

# TDL NETWORKS DON'T JUST MONITOR THEM, MANAGE THEM

## MLM

INTEGRATED BATTLE COMMAND

INTELLIGENCE & CYBER SECURITY

GLOBAL COMBAT NETWORKS

AIR DEFENCE

BORDER, FACILITIES & FORCE PROTECTION

BUSINESS SOLUTIONS

BUSINESS SERVICES



BAE Systems' MLM (Multi-Link Manager) provides you with all the tools necessary to support the active and dynamic management of TDL (Tactical Data Link) networks.

Without disrupting a network in use, you can quickly correct network problems or implement new plans without negatively impacting network performance or efficiency.

Exploitation of MLM allows warfighters to plan, evaluate, participate, monitor, dynamically manage and analyse complex multi-link networks including Link 11, Link 16 and IJMS.

MLM ensures a network is not just planned to be effective, but that it remains effective.



Train within a realistic virtual world, with easily created scenario based missions. Simulated platforms accurately emulate the behaviours of real units down to the timeslot level including responding to the remote network management updates you make. Automatically generated network and equipment errors allow for the refinement of your TDL skills and knowledge in a safe yet challenging environment.

MLM delivers an effective and comprehensive training capability, safeguarding network operational effectiveness.

## Scenario generation

Graphical based scenario editing  
ANFT/J28.2 message generation  
Automatic unit/track data message generation  
Configurable platform sensor characteristics  
Entity manoeuvre entry (circle, orbit, figure-8)  
Entity waypoint entry  
Live message generation  
Live unit/track injection  
Pre-scripted message catalogue generation  
Timed message injections

## Link standards

IJMS  
Mil-Std-6011  
Mil-Std-6016  
STANAG 5511  
STANAG 5516

## Network emulation

Emulation of Link 16 TDMA architecture  
Dynamic updates of emulated unit ID loads  
Emulation of relay only traffic  
Independent DLRP configuration  
Link 11 polling list  
Link 16 timeslot load assignment  
NPG transmission emulation  
Message delivery time based on network load assignments  
Message packing emulation

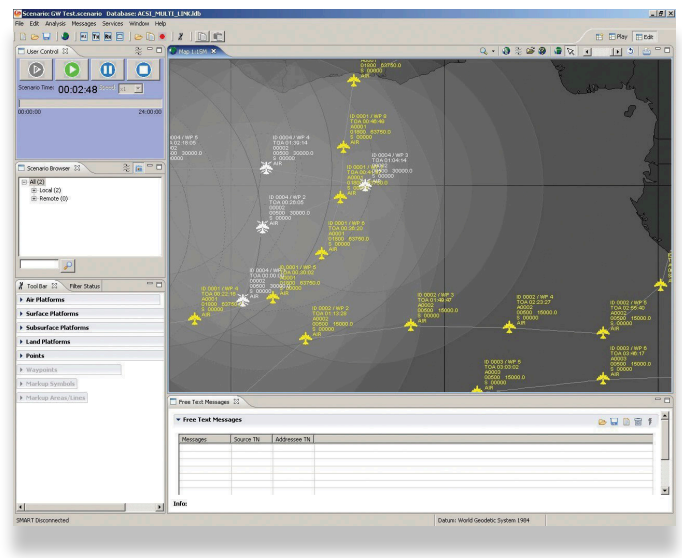
## Terminal emulation

Emulation of TDL equipment  
BIT data requests / responses  
Discrete control emulation  
Host init block update  
Init block requests / responses  
Manual init block update  
Network synchronisation  
Status block requests & manual status field editing  
Terminal initialisation

## Functions

Single/multi-terminal solutions  
Single/multi-network capability  
Single/multi-link connectivity  
Single/multi-operator configurations  
Link 16 design evaluation  
Multi-link architecture planning  
Multi-link equipment control  
Multi-link monitoring  
Dynamic network management  
Frequency clearance agreement monitoring  
Post mission analysis  
Embedded operator training

**THE EFFICIENT  
CAPACITY  
MANAGEMENT OF  
CRITICAL DATA LINK  
NETWORKS IS VITAL  
IN ENSURING FORCE  
EFFECTIVENESS IS  
NOT DEGRADED**



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