NEXT-GENERATION TDL
TERMINAL SUPPORT EQUIPMENT

SUPPORTED PLATFORMS

L3Harris' Next-Generation Tactical Data Link (NGTDL) terminals were developed to specifically meet the needs of users who have Size, Weight, Power and Cost (SWaP-C) constrained requirements. The NGTDL terminals are part of L3Harris' Non-Developmental Item (NDI) portfolio. The NGTDL terminals leverage Link 16 for the U.S. and international defense markets and are continually updated to support customers' evolving mission needs. With NGTDL terminals, SWaP-C constrained platforms that have traditionally lacked access to the Link 16 network can now be active participants and exchange near real-time situational awareness data and secure voice with other Link 16 enabled air, land and sea platforms.

With L3Harris' NDI offering, NGTDL terminals deliver capabilities faster and at lower total lifecycle costs to U.S. and foreign governments, yet are still fully interoperable with traditional Link 16 terminals, including the MIDS-LVT (Multifunctional Information Distribution System-Low Volume Terminal) and MIDS JTRS (Multifunctional Information Distribution System Joint Tactical Radio System).

The Small Tactical Terminal (STT) KOR-24A, is a two-channel radio designed to meet the needs of users who have SWaP-C constraints but need the information available on Link 16 networks and tactical VHF/UHF. Tactical warfighters and SWaP-C constrained platforms, including ground vehicles, helicopters, UAVs, small boats and light ISR aircraft can now have simultaneous access to Link 16 and either wideband UHF or legacy VHF/UHF. This terminal is packaged in an affordable, industry-standard compact form factor and is ruggedized to meet demanding environmental requirements.

The Battlefield Awareness and Targeting System-Dismounted (BATS-D) AN/PRC-161 radio provides air and ground situational awareness in the palm of your hand. This ruggedized, handheld radio delivers real-time Link 16 communications to dismounted warfighters at the tactical edge. The radio can be vest-worn, handheld or mounted and is ideal for bringing full Link 16 network access to ground forces including Joint Terminal Attack Controllers (JTACs), Forward Air Controllers (FACs) and Tactical Air Control Party (TACP) specialists.

L3HARRIS®

SMALL TACTICAL TERMINAL (STT) RUGGEDIZED MOBILE SYSTEM

The L3Harris STT Ruggedized Mobile System is a small, 4U transportable case unit offering a convenient way to operate your Link 16 system. Outfitted with all of the equipment needed for dual-channel operation, this mobile system can be used in any number of venues including operational, training, demonstrations and testing.

SPECIFICATIONS

PERFORMANCE

> Input Power:	120 VAC 60 Hz, 20 amp (IEC C20) 230/240 VAC 50 Hz, 10 amp (IEC C14)
> Dimensions:	11.1 x 22.5 x 34.5 in.
> Weight (Approximate):	130 lbs.

STANDARD CABLES
> W1, W2 and W3 Voice/Data/Control

> W4 and W10 Crypto/Voice

> W5 DC Power Cable

> W6 and W7 UHF/VHF

> W8 and W9 Link 16 RF Cables

STANDARD ACCESSORIES
> Input Power Cables 120 VAC NEMA 5-20P to IEC C19

> 230/240 VAC AS/NZ4417 to IEC C13

> 230/240 VAC CEE 7/7 EURO SCHUKO to IEC C13 (please specify if other international cables are required)

> BNC to BNC 1PPS Jumper Cable

> H-250 Handset

> 2x KDU

> 4x Ethernet Cables

> 4x 50W RF Attenuators

> 2x DB15 to DB15 Cables

> USB-A to USB-B Cable

> User Guide

STT not included

MULTI-PLATFORM INTEGRATED CONTROLLER (MIC)

The L3Harris MIC provides the control and monitoring functions for the STT terminal. The easy-to-operate web interface allows for more extensive options, including remote operation of the terminal over an IP network.

STT Channel 1

> Channel Power (On/Off)
> LT TI (Link 16)
> IFF Emergency (Link 16)
> STT-V and Channel Fail Monitoring
> Channel Crypto Zeroize

STT Channel 2

> Channel Power (On/Off)
> Channel Fail Monitoring
> Channel Crypto Zeroize

The MIC is intended to operate with the integrated AC ruggedized power supply, but also has the flexibility to work with a 9 to 36 VDC source.

The controller includes a standard crypto fill connector interface on the front panel allowing for seamless connection to the STT.

The L3Harris Multi-Platform Audio Component (MAC) is also available for voice and speaker interface.

FEATURES
> Designed for TEMPEST Red/Black Separation
> Standard RJ45 Host Interface Connection
> Standard Crypto Fill Connecter Interface

SPECIFICATIONS
> Dimensions (W x H x D): 8.5 x 1.72 x 11 in. (½ width of 1U-high 19 in. rack)
> Power: 9 to 36 VDC (115 to 240 VAC adapter included)
> Weight (Approximate): 5 lbs.

PRODUCT DESCRIPTIONS
> STT Channel 1 Multi-Platform Integrated Controller
> STT Channel 2 Multi-Platform Integrated Controller
> STT Channel 1 and 2

Multi-Platform Integrated Controller (MIC)

MULTI-PLATFORM AUDIO COMPONENT (MAC)

The L3Harris MAC is a rugged interface unit that provides independent or simultaneous dual-channel Link 16 voice (receive and transmit). It features a custom built 30 W quad-speaker system specifically tuned to enhance audio quality.

The internal adjustable amplifiers can be configured through a web interface to operate any MIDS platform and are compatible with most headsets and handsets.

For the voice interface, the H-250 handset is recommended, which comes standard with the MAC system.

The MAC is intended to operate with the integrated AC ruggedized power supply, but also has the flexibility to work with a 9 to 36 VDC source.

The device offers a Push-to-Talk (PTT) deactivate function that mutes the speakers when the handset is engaged.

All web interface functionality for the MAC requires L3Harris' MIC, which is sold separately.

The MAC can either be used as a standalone unit or with L3Harris' MIDS-LVT and MIDS JTRS terminals (multiple configurations available).

SPECIFICATIONS

> Dimensions (W x H x D):   8.5 x 1.72 x 11 in.
                             (½ width of 1U-high 19 in. rack)

> Power: 9 to 36 VDC (115 to 240 VAC adapter included)

> Weight (Approximate):   5 lbs.

FEATURES
> 30 W Speaker System
> Remote Monitoring and Control (MIC Required)
> 9 to 36 VDC Input

ACCESSORIES AND INTERFACE CABLES
> MIC/MAC Interface Cable
> H-250 Handset
> Rugged AC Power Supply (AC to 12 VDC)

PRODUCT DESCRIPTIONS
> Multi-Platform Audio Component (MAC)
> MAC Standalone for MIDS-LVT(2)/(11) with Cable
> MAC Standalone for MIDS-LVT(1)/JTRS
Note: STT must be used with MIC

Multi-Platform Audio Component (MAC)

STT CONTROL AND INTERFACE UNIT (CIU)

The L3Harris STT CIU is a rack-mountable enclosure providing all power, cooling, cabling and control functions needed to operate the STT in a lab environment. Setup is simple, insert the STT directly into the integrated fan tray and lock it in place, connect the CIU cables to the STT, then turn the main power on/off switch on to begin operations.

Front Panel

Rear Panel

SPECIFICATIONS

Dimensions:	10.5 x 19 x 17 in. (H x W x D) (size excludes connectors and fasteners)
Weight (Approximate):	18 lbs.
Electrical Input Power:	100 to 264 VAC, 47 to 63 Hz, 315 W (max)

Front Panel Controls and Interfaces

A Keypad Display Unit (KDU) mounts on the front panel of the CIU. Separate power-on indicators are provided for Channel 1 (UHF/VHF or Link 16) and Channel 2 (UHF/VHF). Link 16 communications health is identified by a dedicated indicator. Front panel connectors and switches include:

> Ethernet Host (RJ45)

> Zeroize

> USB (B)

> LTTI

> DTE Waveform (DB 25)

> IFF Emergency

> Red Console (DB 9)

Rear Panel Connections

The rear panel provides an EMI-filtered AC Power Input for the embedded 28 V power supplies, an input connector for the 1 pulse per second external time reference and a 28 VDC auxiliary input for external power. Available maintenance ports and BNC connectors for the Link 16 differential discretes:

> Message Transmit (output pulse)

> Pulse Transmit (output pulse)

> Receiver Suppression (input pulse)

> IPF Monitor Suppression (input pulse)

> Transmit Suppression (input pulse)

PRODUCT DESCRIPTION
STT Control and Interface Unit

STT not included

STT CONTROL PLUG, J1/J2/J3

Do you need to control a terminal in the field without a lot of bulky equipment? The L3Harris ruggedized STT Control Plug Set contains three control plugs to interface with the STT J1/J2/J3 connectors. The J1 and J2 control plugs allow host interface via Ethernet, Serial or USB using standard RJ-45 and USB Mini-B cables/ connectors. The J3 control plug allows Channel 1 and Channel 2 On/Off and LTTI.

STT Control Plug Case

PRODUCT DESCRIPTION
> Control Plug (Contains 3 Plug Set)

STT Control Plugs

STT CABLES AND ACCESSORIES
(Available separately)

STT Link 16 RF Cable Set

STT Audio/Fill Cable Set

STT Fan Tray Assembly

STT FSE Operations and Test Kit

PRODUCT DESCRIPTIONS
Cables

> STT Link 16 RF Cable Set 1 meter cables for antenna A and antenna B terminating in SMA(m) connector, suitable for interfacing to other connectors
> STT Fan Tray Power Cable (6 foot with banana plugs)
> STT Audio/Fill Cable, W4
> STT Audio/Fill Cable, W10
> STT +28 VDC Prime Power Cable Kits
> STT FSE Operations and Test Kit Cables and signal breakout boxes packaged in a single, portable case
> STT Mating Connector Kit Set of Mating Connectors for the STT: J1, J2, J3, J4, J5, J6, J7, J10

Other Accessories

> STT Fan Tray (power cable can be ordered separately as complementary item)
> STT Fan Tray Filter
> STT Fan Tray Power Cable
> Falcon III Keypad Display Unit (KDU) for controlling the STT UHF/VHF Channels
> GPS with Network Time Server that provides 1 PPS signal suitable for use as ETR to STT Terminals. GPS Antenna and 100 ft cable included.
> STT Power Conditioning Unit (PCU)
> STT Battery
> STT Bracket, Filter Assembly
> Terminator, Coaxial N(M), 50W, DC-8.5GHZ, 50-Ohm Transport Cases
> STT
> STT with Fan Tray Assembly
> STT Transit Case
> STT Transit Case with Fan Tray Assembly

RF NETWORKS

The RF Network Unit permits multiple RF devices to be hubbed together in a network. It is intended for lab usage and operates over a frequency range of 0 to 2 GHz. There are 6 Type N female RF low level (1 W) connectors on the chassis and a variable step attenuator that ranges between 0 and 110 dB in 1 dB steps.

The RF Network Unit has an approximate 14 dB insertion loss between ports and is perfect for bench-top or field use. Included with the unit are four 50-Ohm terminations for use on unused RF ports. The RF Network Unit is available in a 19-inch rackmount model and a portable model measuring just 7 x 7 x 2 in.; small enough to fit in a field service kit.

Rackmountable Model

SPECIFICATIONS
Rackmountable Model

> Dimensions: 9 x 3.5 x 8 in.
> Weight (Approximate):   5.5 lbs.

Portable Model

> Dimensions: 7 x 2 x 7 in.
> Weight (Approximate):   3.5 lbs.

PRODUCT DESCRIPTIONS
> Rack-Mountable Model
> Portable Model

Portable Model

RF ANTENNA CABLES

PRODUCT DESCRIPTIONS
> RF Antenna Cable, 50 ft RG-214 double-shielded

PORTABLE ANTENNAS

Armed with the 5 lb. L3Harris Portable Antenna, a field service engineer, training instructor or test engineer can conduct limited ground-to-air tests in the field. This L-Band blade antenna is delivered with a 52 in. tripod and features a quick-connect mounting shoe that holds the antenna plate. It can be used in testing related to all L-Band applications and is packaged in an expandable, zippered nylon bag.

SPECIFICATIONS
Portable Antenna

> Dimensions: 11 x 1.3 in.
> Weight: 2 lbs.

Portable Antenna (Tripod-Mounted)

> Dimensions: 24 x 8 in. (in bag)
> Weight: 5 lbs.

HIGHLIGHTS
Portable Antenna

> L-Band: 960 to 1215 MHz
> 200 W
> +2dBi nom
> Type N Female RF Connector

Portable Antenna (Tripod-Mounted)

> L-Band: 960 to 1200 MHz
> 250 W at 50,000 ft
> Lightweight metal tripod

PRODUCT DESCRIPTIONS
> Portable Antenna
> Portable Antenna (Tripod-Mounted)

L-BAND GROUND ANTENNA

An L-Band antenna is required to transmit Link 16 over the air. L3Harris recommends the high gain XVO 7-960-1215/1120 omni antenna made by European Antennas. This antenna covers the Link 16 band, 960 to 1215 MHz and has a 7 dBi gain, nearly doubling the range of a system. Receive sensitivity, usually the limiting factor for communications with distant airborne platforms, is increased significantly. The antenna is lightweight (1.7 kg) and has an alloy base plate with four stainless steel bolts, a one inch offset spigot and M16 stainless steel bolt and washers. Mounting pole and guy wires are not included.

SPECIFICATIONS
> Dimensions: 40 x 3 in.; 1029 x 76.2 mm
> Weight :   3.75 lbs.

HIGHLIGHTS
> L-Band: 960 to 1215 MHz
> Gain: 7 dBi
> Operating Temperature: -40˚ to +50˚C

PRODUCT DESCRIPTION
> L-Band Ground Antenna

LINK 16 ENVIRONMENT GATEWAY STIMULATOR (LEGS)

LEGS is an essential terminal support tool. Prime developers use this software in the integration of MIDS terminals and ground facilities and field service engineers rely on the LEGS application for terminal troubleshooting and maintenance. The tool is also used by test facilities for Link 16 system performance measurement and evaluation and by instructors for MIDS training.

A low-cost version (LEGS-Lite) that does not include the scenario generation or situation display capabilities is also available. The J LEGS version of the application implements the JTRS Platform A interface and is available to U.S. customers.

L3Harris tailors LEGS Remote Interface Modules (RIMs) supporting special requirements. L3Harris developed RIMS for GPS, ETR, OTAR, voice and navigation testing. L3Harris' API supports automated testing using products such as LabView and VEF-Pro. An ICD is available by special request. If you have special needs, let us know.

HIGHLIGHTS
> Terminal initialization control
> Terminal status monitoring
> Detailed recording
> MIDS re-programmer
> Scenario generation
> Situation awareness
> Gateway to up to 8 client applications
> Multi-terminal control

SUPPORTED TERMINAL TYPES
> MIDS-LVT(1) Platform A, B, D, I, Q, R, S and Support Port
> MIDS-LVT(2) X.25, Platform J, JREAP-C and Support Port
> MIDS-LVT(1)/(2) Block Upgrade 2 Platform A, D, R and Support Port
> MIDS on Ship (MOS) Platform M and Support Port
> MIDS-LVT(3) FDL and Support Port
> Class 2 Navy Shipboard, Navy Airborne, Army 2M and USAF F-15
> MIDS JTRS Platform A, I, J, M, V, W, Support Port and Host Interfaces
> STT Platform J
> BATS-D Platform J

LEGS-LITE
> A low-cost version of the LEGS software that does not include the scenario generation or situation display capabilities is available

PRODUCT DESCRIPTIONS
> LEGS-MIDS
> LEGS-LITE
> LEGS MIDS JTRS
> LiVER Software (Qty 10 Licenses)
> LiVER Software (Qty 5 Licenses)

Licenses are available for installation on customer-furnished equipment

LINK 16 Flight-line (LiFT)

L3Harris' LiFT software is designed to support "go/no-go" testing and troubleshooting of Multifunctional Information Distribution System-Low Volume Terminals (MIDS-LVT) in a field environment. The LiFT application is available installed on a tablet PC or as a software package for customers who want to install the LiFT application on their own equipment.

This software is intended for use by technicians and allows the user to read, reconfigure, update and monitor terminal parameters. Data is provided in dynamic graphical displays.
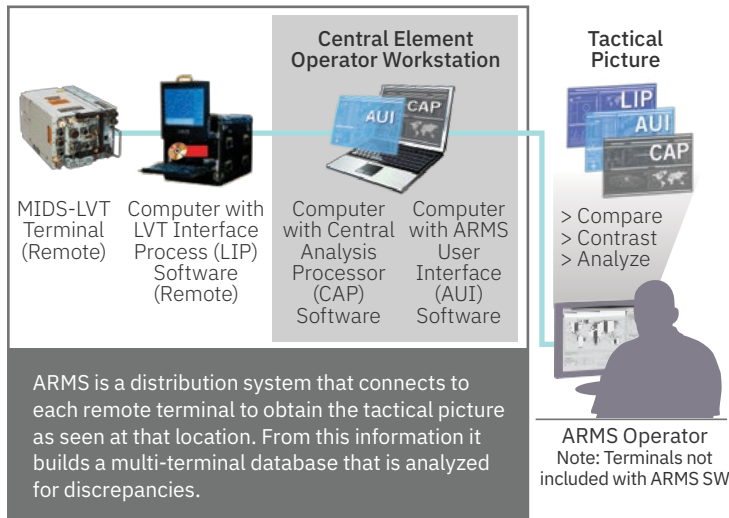

HIGHLIGHTS
> Obtain Terminal Status: IPF Fail, TDMA Rcv/Tx Fail, TDMA Degraded, Thermal Overload and Sanitization Confirmation
> Initiate Built-In Test (IBIT)
> View SDU alert status
> View position data
> View cockpit ID
> Modify a limited number of settings: Set/Change CCPD, STN, NTR, Time, Tx Mode, Output Power Mode, TACAN Settings and Voice Channel
> Load an Initialization file
> Start net entry
> Participate in a network
> View 12 sec counters
> Observe received RF messages by type
> Exercise TACAN function
> Sanitize terminal for shipment

PRODUCT DESCRIPTIONS
> LiFT Handheld Kit
> Software License and CD

AMALGAMATED REMOTE MANAGEMENT SYSTEM (ARMS)

ARMS integrates multiple views of a network that is maintained over a large geographical area and locked onto GPS time. A delayed synchronization capability on a single terminal is not required to detect unauthorized time slot reuse; the network nodes themselves perform this function for any units within sight of more than one ground station. ARMS operates over a widely distributed geographical installation and accepts received data from each terminal node, integrating this data and analyzing it to detect and identify anomalies.

Central Element Operator Workstation

Tactical Picture

MIDS-LVT Terminal (Remote)

Computer with LVT Interface Process (LIP) Software (Remote)

Computer with Central Analysis Processor (CAP) Software

Computer with ARMS User Interface (AUI) Software

> Compare
> Contrast
> Analyze

ARMS is a distribution system that connects to each remote terminal to obtain the tactical picture as seen at that location. From this information it builds a multi-terminal database that is analyzed for discrepancies.

ARMS Operator
Note: Terminals not included with ARMS SW

HIGHLIGHTS

> Enable distributed data collection by implementing a multi-homed monitoring system
> Allows coordinated network analysis from multiple viewpoints
> Provides a synthesized analysis of the network architecture
> Plug-n-Play capability—no changes to the existing system of terminals should be necessary
> Works with all MIDS and JTRS terminals
> Scalable with no preset limits for terminal connections
> Provides up-to-date system-wide status with drill-down capability of terminal BIT
> Provide detailed IPF causal analysis and fault isolation
> Functions as an anomaly-event-driven, operator-alert-based interface to facilitate expeditious detection and correction of network problems

ARMS IS BUILT WITH THREE FUNCTIONAL ARCHITECTURAL PIECES

> Link 16 Interface Processes (LIP)
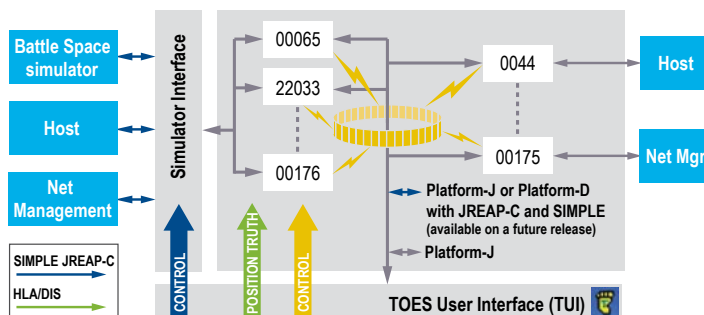> Centralized Analysis Process (CAP)
> ARMS User Interface (AUI)

PRODUCT DESCRIPTIONS

> ARMS master control and two terminals at remote site
> ARMS annual software update subscription
> ARMS FLEXOR feature

TERMINAL OPERATIONAL ENVIRONMENT SIMULATOR (TOES)

TOES is a multi-terminal network simulator providing a scalable software emulation of a Link 16 network.

TOES leverages current L3Harris Link 16 development efforts including software for the Small Tactical Terminal (STT), the Amalgamated Remote Management System (ARMS) and the Navigation Testing Set.

Battle Space simulator

Host

Net Management

Simulator Interface

00065

22033

00176

0044

00175

Host

Net Mgr

Platform-J or Platform-D with JREAP-C and SIMPLE (available on a future release)

Platform-J

SIMPLE JREAP-C

HLA/DIS

CONTROL

POSITION TRUTH

CONTROL

TOES User Interface (TUI)

ELIMINATE THE NEED FOR MULTIPLE LINK 16 TERMINALS
HIGHLIGHTS

> Simulates multiple Link 16 terminals
> Employs actual network designs and platform loads
> Regulates bandwidth and provides accurate time slot usage
> Supports stacked nets and contention access
> Implements paired slot relay
> Simulates simple RF Line-of-Sight between terminals
> Provides Platform-J Host Interface for each simulated terminal
> Simulates terminal latency
> Simulates Time-of-Arrival (Range) Delay between pairs of hosts

USE TOES TO

> Test and validate network designs
> Send tactical data through multiple units from a single Platform-D or Platform-J interface for use with 3rd party battle-space simulator tools
> Evaluate new data exchanges including those using stacked nets
> Create a test environment for network monitoring and management systems
> Create an operational environment for training Link 16 network managers

SOFTWARE ARCHITECTURE

> TOES User Interface
> TOES Engine Control
> Unit Position Truth Data
> Terminal Host Interfaces

PRODUCT DESCRIPTION

> TOES

MIDS/LINK 16 TRAINING

PREREQUISITE
Generally, attendees of the course should be familiar with Link 16, Link 16 terminals and functions of a host system when interfacing to a Link 16 terminal.

WHO SHOULD ATTEND
> Anyone who wants a greater understanding of the capability of a Link 16 terminal, or who tests or analyzes tactical data links employing a Link 16 terminal.
> Users of L3Harris' Link 16 software tools.

COURSE STRUCTURE

> Each course employs a combination of dialectic lecture and hands-on laboratory.
> The typical percentage breakdown of lecture/lab hours is 40/60.
> Practical lab sessions reinforce all course instruction, providing the student with hands-on experience with L3Harris' Link 16 terminals and software tools.
> The lab sessions develop the skill and knowledge of each student for safe and efficient operation of L3Harris' Link 16 terminals and software tools.

ADDITIONAL COURSE INFORMATION

SCHEDULE
Training courses are available for as short as one day and as long as two weeks (depending on the material to be covered). Class size is normally limited to 12 students.

Contact us for individual pricing information.

LOCATION
The preferred training location will vary depending on the course and training need. Contact us for flexible arrangements.

NOTE
Training at the customer's facility requires the provision of terminals and support equipment as Customer Furnished Equipment (CFE).

Classroom instruction, materials and lab procedures are created from testing data and customer feedback.

Classroom Instruction

Testing

Feedback

Hands-on Lab
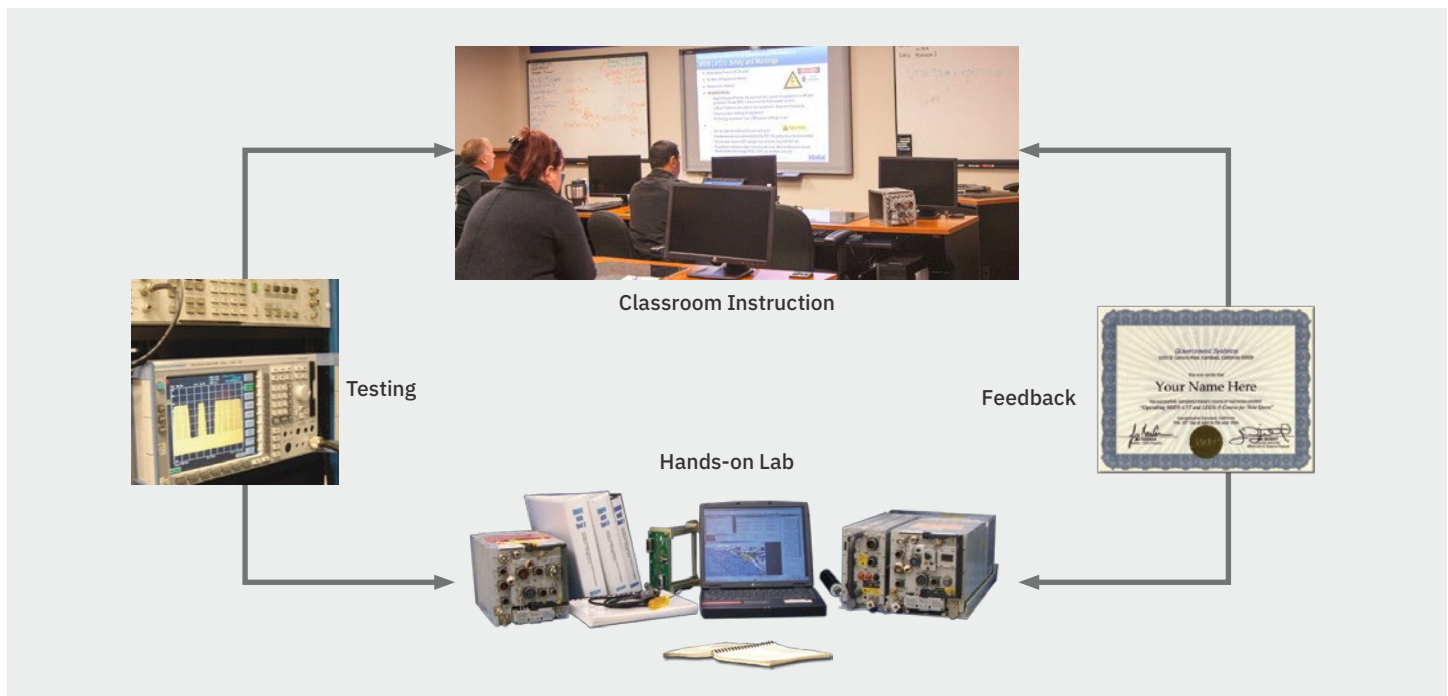
COURSE OFFERINGS

L3Harris offers a variety of training courses related to Link 16 and the operation of the STT and BATS-D products. We also offer training on our software products including LEGS, ARMS and TOES. Course outlines are available upon request. Tailoring of the standard syllabus to meet specific customer needs is possible—let us know your requirements. The training courses listed below are offered at group rates. We also offer courses at individual rates. Contact us for further information.

COURSE #	COURSE NAME	COURSE DESCRIPTION
102	LEGS Familiarization (Short Course)	1-day training course
103	Link 16 Familiarization (Short Course)	2-day training course on the introduction to Link 16
103A	Link 16 Familiarization (Short Course Minimum of 3 Students)	2-day training course (per student)
106	Link 16 Flight-line Tool (LiFT)	2-day training course
106A	LiFT Training	2-day training course on LiFT
108	LEGS Operation	2-day training course
108A	LEGS Operation (Minimum of 3 Students)	2-day training course (per student)
206	ARMS: Link 16 Network Management	3-day training course
206A	ARMS Link 16 Network Management with C2 Adjunct Capability Training (Minimum of 3 Students)	3-day training course (per student)
206B	ARMS Link 16 Network Management Training	3-day training course (per student)
207	TOES: Terminal Operational Environment Simulator	2-day training course that focuses on the fundamentals, set-up and operation of TOES in a simulated environment. Course can be tailored to customer requirements
209	STT Operations and Maintenance Training	3-day training course that focuses on the fundamental principles of the L3Harris Small Tactical Terminal (STT) and to prepare the operator for dual channel operations
210	VLATS Training (Available to VLATS Users)	5-day training course
212	BATS-D AN/PRC-161 Operations Training	3-Day training course that introduces the fundamental principles of the L3Harris BATS-D (AN/PRC-161) handheld Link 16 radio. This course is designed to introduce the principles and operations of the BATS-D, including autonomous and tethered modes
214	BATS-D AN/PRC-161 System Training	4-day training course focusing on the BATS-D with End User Device (EUD) to include BVA, BRM, or SPLIT Radio.
275	BATS-D AN/PRC-161, Special Warfare Assault Kit (SWAK) and Digitally Aided Close Air-Support (DACAS)	3-day training focusing on the use of the BATS-D with a focus towards JTACs using SWAK, COMSEC and DACAS which includes the radio and EUD (with ATAK/BADL).
215	LEGS and TOES Combination Training	5-day training course
215A	LEGS and TOES Combination Training (Minimum of 3 Students)	5-day training course (per student)
309	STT Operations and Maintenance Training for Trainers (TtT)	8-day training course focusing on STT operations, basic maintenance, software upgrades, assessing and diagnosing STT failures by introducing ARMS and LEGS terminal support tools. (2 FSRs)
312	BATS-D AN/PRC-161 Operations Training for Trainers (TtT)	4-day training focusing on the use of the PRC-161 system which includes the radio and EUD (with ATAK/ATRAX) to prepare Train the Trainers. (2 FSRs)
375	BATS-D AN/PRC-161, Special Warfare Assault Kit (SWAK) and Digitally Aided Close Air-Support (DACAS) for Trainers	4-day training focusing on the use of the BATS-D with a focus towards JTACs using SWAK, COMSEC and DACAS which includes the radio and EUD (with ATAK/BADL) to prepare Train the Trainers. (2 FSRs)

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