

COMPLETE MIDS/LINK 16 TRAINING, CUSTOMIZED TO MEET CUSTOMER REQUIREMENTS



Viasat offers a family of Multifunctional Information Distribution System (MIDS) Low Volume Terminals (LVT) to meet the Link 16 requirements of all US forces and coalition partners. Under contract with the US Navy MIDS International Program Office to produce a substantial portion of MIDS-LVT(1) terminals, Viasat also provides MIDS-LVT(2)/(11) terminals to the US Army. Because of this, Viasat has instituted a variety of training programs to assist customers in employing the MIDS-LVT(1) variants and the MIDS-LVT(2)/(11).

The Link 16 Environment Gateway Stimulator (LEGS) suite of software applications can enhance and support your use of MIDS terminals. LEGS software supports the operation, testing, troubleshooting and demonstration of a variety of Link 16 terminals, including JTIDS, MIDS-LVT, and MIDS JTRS. The software provides the Man-Machine Interface (MMI) between a user and the Link 16 terminal by connecting through the X.25, 1553, and/or Ethernet interfaces.

The Amalgamated Remote Management System (ARMS) integrates our Link 16 Environment Gateway Stimulator (LEGS) system with a powerful network analysis capability. 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.

In addition to our standard courses, Viasat offers customized training packages to better support the needs of the end users who will use our terminals and 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 Viasat's Link 16 terminals and software tools.
- » The lab sessions develop the skill and knowledge of each student for safe and efficient operation of Viasat's Link 16 terminals and efficient use of our software tools.

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 the MIDS-LVT terminal, or who tests or analyzes tactical data links employing the MIDS-LVT terminal.
- » Users of the Viasat Link 16 software tools.

Prerequisite for ARMS Link 16 Network Management Training

- » Generally, attendees of the course should have a strong background in Link 16 operations, Link 16 terminals, and usage of an OPTASK Link and terminal initialization files.

Course Description

- » Viasat offers courses from a beginner level to an advanced level as well as fully customized courses per the customer's requests. These customized MIDS and LEGS training courses can meet any customer's requirements and needs. Our structured format begins at the basic level of introduction to MIDS and Link 16 and moves through the intermediate level training to a more advanced level training for students requiring field level maintenance skills, advanced data analysis skills and Link 16 Network Management skills. Viasat's training courses are structured in an easy-to-follow training map with basic level courses titled in the 100 series; the intermediate level training is in the 200 series and the "train the trainer" program level courses are in the 300 series.
- » A typical course begins with an overview and evaluation of the student's knowledge of the concepts of Link 16.
- » The course then introduces and describes the MIDS-LVT terminal and its functions as a Link 16 Data Terminal Set and TACAN radio.
- » The course continues with LEGS instruction and how to use LEGS software in operation and maintenance environments.
- » All instruction is given with respect to applicable references.

BENEFITS OF ATTENDANCE

The Viasat MIDS-LVT and/or LEGS training course will provide the following:

- » Overview of Link 16
- » Overview of MIDS-LVT
- » Basic understanding of the LEGS software architecture
- » Thorough understanding of LEGS functions and applications
- » Knowledge in the safe and efficient operation of MIDS-LVT
- » Ability to employ LEGS software to control the MIDS-LVT
- » Ability to use LEGS software to easily isolate faults on the MIDS-LVT

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.

Location

The preferred training location is Viasat's Carlsbad facility located at 6155 El Camino Real, Carlsbad, CA 92009-1699, USA

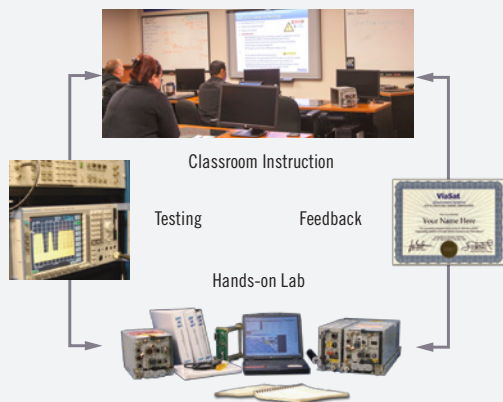
Telephone & Email

(760) 476-4105 (MIDS Technical Support & Training Team);
vfirst@viasat.com

Note

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

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



COURSE OFFERINGS

Viasat offers a variety of training courses related to Link 16 and the operation of the MIDS-LVT, MIDS JTRS, and the STT terminals. We also offer training on our software products including ARMS, LEGS and TOES. Course outlines are available upon request and can be tailored to meet specific customer needs. The training courses listed below are offered at group rates. We also offer courses at individual rates.

- » **VSAT 101 MIDS Familiarization (Short Course)**
1-day training course on MIDS-LVT.
- » **VSAT 102 LEGS Familiarization (Short Course)**
1-day training course on Viasat's LEGS host.
- » **VSAT 103 Link 16 Familiarization (Short Course)**
2-day training course on the introduction to Link 16.
- » **VSAT 104 MIDS and LEGS Familiarization**
3-day training course covering the use of LEGS and MIDS operation.
- » **VSAT 105 MIDS Specifications and Documentation (Short Course)**
1-day training course on MIDS ICDs and SSS.
- » **VSAT 106 Link 16 Flight-line Tool (LiFT)**
2-day training course on Viasat's LiFT.
- » **VSAT 106A LiFT Training**
2-day training course on Viasat's LiFT.
- » **VSAT 201 Introduction to MIDS/Link 16 for Beginners**
5-day training course introducing Link 16 and MIDS.
- » **VSAT 202 MIDS/LEGS: Introduction to Operations and Maintenance**
5-day training course on MIDS-LVT, LEGS and the maintenance of the MIDS-LVT.
- » **VSAT 204 MIDS/LEGS: Operations and Maintenance for the Field Service Engineer (Available to U.S. Citizens)**
7-day training course focusing on the field level maintenance of the MIDS-LVT to include SRU removal.
- » **VSAT 205 MIDS JTRS: Operations and Maintenance (Available to MIDS JTRS users)**
5-day training course focusing on MIDS JTRS operations and maintenance.
- » **VSAT 206 ARMS: Link 16 Network Management**
3-day training course focusing on ARMS Link 16 Network management software.
- » **VSAT 207 TOES: Terminal Operational Environment System**
2-day training course that focuses on the fundamentals, set-up, and operation of TOES in a simulated environment.
- » **VSAT 208 MIDS Navigation Training**
3-day training intended for programmers and test analysts responsible for navigation implementation and test verification.
- » **VSAT 209 STT Operations**
3-day training focusing on user's Link 16 knowledge and the introduction of dual channel operations using the STT.
- » **VSAT 210 VLATS Training (Available to VLATS Users)**
5-day training focusing on the fundamentals and principles of the VLATS

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