MIDS JTRS PLATFORM

The MIDS JTRS terminal from ViaSat combines the network-centric communications capability of tomorrow with the real-time operating picture of today—all in one unit. This four-channel software-programmable radio delivers existing Link 16 and TACAN functionality, as well as three JTRS advanced networking waveforms and is “plug and play” with MIDS-LVT/JTRS. We offer a range of products to meet your needs for power, cooling, control, and cabling.
Support Equipment for MIDS JTRS Terminals

ViaSat’s LVT/JTRS Mobile Unit is a transportable case for the MIDS JTRS and MIDS-LVT(1) terminal and its variants. It includes everything required to operate a MIDS-LVT(1) or a MIDS JTRS terminal—power, cooling, control, cabling, attenuator/terminator—and comes ready to use.

The following functions are supported:

» Power Control Panel
» MIDS-LVT/JTRS Power Supply 1U Configuration
» MIDS-LVT/JTRS Cooling Tray
» MIDS-LVT/JTRS Integrated Control Unit Cables
» MIDS-LVT/JTRS Voice Control Unit with W2 Cable
» W3, W4, and W7 Cables for MIDS
» W3 Cable for JTRS
» W16 Cable for JTRS
» B & C Power Cables for JTRS
» AC Power Cable, 12 ft, NEMA 5-15P Plug
» RPS-to-MT Interconnect Cable Set
» Fill Cable
» ETR Cable
» Ethernet Switch, 5-port
» RF Cable with Weinschel 40-30-33 30 dB 150 W Attenuator in Slide Out 2U Drawer
» Weinschel 1426-4 Terminator/Load
» User Guide

MIDS-LVT/JTRS MOBILE UNIT
SPECIFICATIONS

Dimensions (with covers) 27 x 28 x 39 in.
Dimensions (without covers) 27 x 28 x 28 in.
Weight with MIDS Terminal and RPS 227 lb
Input Power 115 VAC 60 Hz, 15 Amp

ORDERING INFORMATION
PN: 1136426          MIDS-LVT/JTRS Mobile Rack with Voice Control Unit with microphone
PN: 1136427          MIDS-LVT/JTRS Mobile Rack with Voice Control Unit with headset

MIDS-LVT/JTRS Mobile Unit

Front View

Rear View
ViaSat’s Integrated Control Unit is intended for lab or ground station use. This rack-mounted control unit provides basic terminal control for both the MIDS-LVT(1) and MIDS JTRS Terminals with access to host interfaces. Switches are provided for the I/O identification allowing the unit to be used with all platform types. The RT address is preset to 1. The unit provides two host cables, one for LVT(1) and one for JTRS. A J16 cable is provided for access to the HMI interface. The RPS on/off switch controls prime power to the RPS and is compatible with the MIDS 1U rack-mountable Power Unit, PN 1095983.

Indicators are provided for the fail decode discretes and for the transmit/receive indicators of the embedded AUI transceivers required by the MIDS-LVT(1) terminal’s Ethernet and Support Port interfaces. The two MIL-STD-1553 Data Bus Couplers required for the 1553 host interface are also embedded within the unit.

In addition to providing RPS on/off, off/on/standby, and Long Term Transmit Inhibit, the following functions are supported:
» External Time Reference Input, 50 Ohms
» DS-101 Fill Port
» Zeroize
» MIDS 1553 Interface
» MIDS Ethernet Host Interface
» MIDS Support Port Interface
» JTRS 1553 Interface Interface
» JTRS Ethernet Support Port Interface

Connections on the rear panel include:
» 12 V Power for the Embedded AUI Transceivers
» J3 Connector for MIDS Host Interface Cable
» J3 Connector for MIDS JTRS Host Interface Cable
» J4 Connector for DS-101 Fill Cable
» J7 Connector for MIDS Control Cable
» Voice Push-to-Talk Input (compatible with ViaSat’s Voice Control Unit)

An unterminated RPS power cable is provided for use with customer furnished power supply (+/-140 VDC or 115 V 3 Ph 400 Hz). This is used in conjunction with the RPS Power on/off switch on the front panel to control RPS primary power. An RPS ICU cable is provided with the 1U Power Supply, PN 1095983.
ViaSat’s MIDS-LVT(1) or MIDS JTRS Voice Control Unit (VCU) with Microphone is designed to provide basic control and interface functions for the MIDS-LVT/JTRS voice capability.

The following functions are supported:
- Speakers for Voice 1 and Voice 2
- Shure Push-to-Talk Microphone
- Transmit Channel Select
- Power On/Off Switch and Indicator
- Volume Control
- Headset Jack

This model of the VCU employs the handheld Shure Push-to-Talk Microphone and contains a headset jack. Use of the headset jack disables the speaker.

The Voice Control Unit for MIDS-LVT/JTRS includes a User Guide, 12 VDC power supply, and an 8 ft VCU-to-Main Terminal interface cable. The PTT end of this cable is compatible with ViaSat’s MIDS-LVT/JTRS Integrated Control Unit.

Order PN 1048346 for MIDS-LVT/JTRS. This model of VCU employs the David Clark H10 series headset which features an inline push-to-talk switch, volume control knobs, gel ear seals, and 23 dB of noise reduction. A front panel switch selects between headset and speakers.

The Voice Control Unit for MIDS-LVT/JTRS includes a User Guide, 12 VDC power supply, an 8 ft VCU-to-Main Terminal interface cable. The PTT end of this cable is compatible with ViaSat’s MIDS-LVT/JTRS Integrated Control Unit.

**MIDS-LVT/JTRS VOICE CONTROL UNIT WITH MICROPHONE**

**SPECIFICATIONS**

- Front Panel Width: 19 in.
- Height: 3.5 in.
- Depth: 5 in.
- Weight (Approximate): 7.5 lb
- Input Power: 100 to 240 V 50/60 Hz, 12 VDC External Power PAC
- Audio Output Power: 24 W RMS

**ORDERING INFORMATION**

PN: 1048346  
MIDS-LVT/JTRS Voice Control Unit with Headset  
(1U and 2U Available)

**MIDS-LVT/JTRS VOICE CONTROL UNIT WITH HEADSET**

**SPECIFICATIONS**

- Front Panel Width: 19 in.
- Height: 3.5 in.
- Depth: 5 in.
- Weight (Approximate): 7.5 lb
- Input Power: 100 to 240 V 50/60 Hz, 12 VDC External Power PAC
- Audio Output Power: 24 W RMS

**ORDERING INFORMATION**

PN: 1078843  
MIDS-LVT/JTRS Voice Control Unit with Headset
The MIDS Power Unit (MPU) is a totally self-contained DC prime power source. This small unit is installed in a metal enclosure that is (W x H x D) 10 7/8 x 8 3/4 x 18 1/2 in. and weighs just 33 lb. Its 1200 W power rating will supply the DC power of 280 VDC differential (±140 VDC) necessary to power two ViaSat MIDS-LVT(1) terminals. The internal fans provide forced convection cooling. Separate DC disconnect switches are provided for each terminal’s Remote Power Supply (RPS).

The MPU comes with all necessary cables. The AC input is supplied by an IEC type power cord. No user setup is required for the specified input voltage ranges.

The MPU-to-MIDS RPS interconnecting cable provides connections for powering two terminals. The MPU contains two Elgar-Sorrensen programmable DC power supplies that have been set to provide the correct output voltage and current. There is no danger of inadvertent voltage or current settings as this is preset and locked internally. The user simply connects the DC output cable to the MIDS RPS power supply, plugs the MPU into a standard US or Universal voltage source, turns on the main power switch, and then turns on the corresponding DC output switch. It couldn’t be simpler! Transport case is available separately.

A 1U rack-mountable configuration of the 280 VDC differential (±140 VDC) power supplies used in the MIDS Power Unit is also available. This configuration is for use with a single LVT(1) terminal and includes all cables. It interfaces to the Integrated Control Unit (with RPS on/off).

Do you need to control a terminal in the field without a lot of bulky equipment? Do you need to determine the condition of a terminal when the host has failed or is not connected? The LVT(1) Control Plug connects directly to the MIDS-LVT(1) J7 connector, providing switches for power on/off and standby on/off. Zeroize is accomplished simply by removing the connector. No longer than 5 in., the device fits in your pocket.

The MIDS-LVT(1) Fail Decode LEDs on the end plate provide valuable terminal status information. These include the three most probable LRUs and/or SRUs responsible for a failure detected by the terminal during Startup Built in Test (SBIT), TDMA IBIT, or simultaneous TACAN/TDMA IBIT—even when no host is connected.

For easy reference, the Control Plug comes with a pocket card containing the Fail Decode Matrix.
The MIDS-LVT/JTRS Cooling Tray is a self-contained cooling and mounting device for one MIDS-LVT/JTRS and its corresponding Remote Power Supply (RPS). Made of lightweight, sturdy aluminum, the MIDS Cooling Tray provides the necessary 45 CFM of ambient cooling air to the MIDS terminal and RPS for Link 16 operation. The rear-mounted blower motor is totally enclosed within the air plenum to minimize noise. Guide channels are provided for both the MIDS-LVT/JTRS and the RPS along with three aircraft hold down devices. Positioning pins are mounted on the plenum wall to ensure proper airflow port alignment.

A stainless steel interlock switch activates the blower whenever a terminal is inserted. There is no danger of operating the terminal with no airflow, as the blower automatically starts as soon as the terminal is inserted. The cooling tray is designed to provide access to the side panel of the terminal, making it easy to access to SRUs for testing and repair.

There are two versions of the MIDS Cooling Tray; one for US power (115 VAC 60 Hz) and one for European/Asian power (230 VAC 50 Hz). Specify part number 1027226 for the US power option or part number 1027984 for the European/Asian power option.

The unit is rack mountable in a standard 19 in. wide rack configuration (requires a user-supplied shelf).

A standard power cord with MIL D38999 connector is supplied and a mounting template is available upon request.

### MIDS JTRS COOLING TRAY INTEGRATED CONTROL UNIT (ICU) SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>16.70 in.</td>
</tr>
<tr>
<td>Height</td>
<td>9.95 in. (from table top surface)</td>
</tr>
<tr>
<td>Depth</td>
<td>25.15 in.</td>
</tr>
<tr>
<td>Weight (Approximate)</td>
<td>35 lb (unloaded)</td>
</tr>
<tr>
<td>Electrical Input Power</td>
<td></td>
</tr>
<tr>
<td>» 115 VAC Cooling Tray</td>
<td>100 to 130 VAC, 60 Hz, single phase, 200 W</td>
</tr>
<tr>
<td>» 230 VAC Cooling Tray</td>
<td>200 to 250 VAC, 50 Hz, single phase, 200 W</td>
</tr>
<tr>
<td>Cooling</td>
<td>None required</td>
</tr>
<tr>
<td>Noise Level</td>
<td>68 dBA at 3 ft</td>
</tr>
</tbody>
</table>

### ORDERING INFORMATION

**MIDS-LVT/JTRS Cooling Tray**

- PN: 1027226  115 VAC, 60 Hz
- PN: 1027984  230 VAC, 50 Hz

The cooling tray is sufficient for core (single channel) MIDS JTRS applications, which includes Link 16, Voice, CMN, and TACAN. For multi-channel applications (Channels 2, 3, and 4), please contact ViaSat.

PN: 1037542  Transport Case
ENHANCED FLIGHT RECORDER

SPECIFICATIONS
Dimensions (W x H x D)  6.375 x 4.906 x 1.906 in.
(size excludes connectors and fasteners)
Weight (Approximate)  3 lb
Power  12 to 28 VDC, MIL-STD-704F

HIGHLIGHTS
- Supports AUI or Ethernet 10Base-T.
- Provides discrete indicator of recording-in-progress status.
- Automatically connects to terminal and logs history of terminal status and state changes.
- Measures and records fractional time delta between network time and GPS time.
- Records over 80 hr of Packed-2 data at 50% TSDF on the removable 4 GB memory token.
- Includes Datakey DFX Memory Token (Qty 2).
- Includes an adapter to read the Memory Tokens on your PC.
- A CD containing supporting software, including the Recording Configuration Editor (RCE), and the ViaSat Analysis Support Tool (VAST) for MIDS. These tools allow the user to specify what data is to be recorded and to extract specific data from the recording files for subsequent analysis.

ORDERING INFORMATION
PN: 1219204  Enhanced Flight Recorder Kit
PN: 1039313  MIDS-LVT Software Utilities (included)
PN: 1070963  MIDS JTRS Software Utilities (by request)
PN: 1170995  PC Adapter (Memory Token USB Reader) (Qty 1)
             Datakey DFX Memory Token (QTY 2)

Link 16 terminals, including MIDS-LVT(1)s, MIDS-LVT(2) s, FDLs, and MIDS JTRS, are used by the military for tactical communications. A Support Port on these terminals provides a means of obtaining detailed information about the data exchanged. The MIDS Flight Recorder connects to the terminal support port to automatically record data, including terminal performance data not available on the normal host interface. The additional data is invaluable for flight test verification. A Recording Configuration Editor with simple GUI is provided with the Recorder that eliminates the requirement to perform HEX editing of recording parameters.

The MIDS Flight Recorder mounts to a bulkhead using four #10 fasteners in the corners. ViaSat recommends that NAS 1101 fasteners be used. Although the Recorder is a commercial product, it is suitable for use in fighter aircraft and meets many of the same environmental requirements imposed on MIDS terminals.

INTERFACES
The Recorder employs D38999 connectors. It receives power from the aircraft’s 28 VDC power supply and communicates with the MIDS Terminal via an AUI or Ethernet interface. A compact flash memory card socket interface provides for removable bulk storage and is used for recording of flight test data.

OPERATION
Once power is applied, the recorder automatically establishes a connection with the terminal and enables the recording function. A control file specifying which Functional Input Messages (FIMs), Functional Output Messages (FOMs), Data Transfer Blocks (DTBs), Internal Data Blocks (IDBs), and status words are to be recorded is prepared in advance and stored on the memory card by the test analyst. This allows the test director to obtain information not available on the 1553 interface without impacting the mission computer. The memory card may also hold the recording software, making it easy to upgrade to new software versions.

A new file is automatically started every time the terminal is restarted using a sequential naming convention. Even if every time slot contains fixed format messages at Packed-4, the 4 GB removable Token will hold over 20 hr of recorded data. That’s a time slot duty factor of 172%. If only half of the slots are used at Packed-2, it will hold over 80 hr of recorded data.

ANALYSIS
The recorded data is written in the “.raw” format and may be analyzed using the ViaSat Analysis Support Tool (VAST) provided with the unit, or with other data link analysis systems such as MANDRIL, available from Lockheed Martin UK Integrated Systems & Solutions, Ltd.

TIME RECONCILIATION
To facilitate the reconciliation of recorded data (which carries a Link 16 time stamp) with TSPI data (which carries a GPS UTC time stamp), the MIDS Recorder accepts as input two 1 PPS signals. The fractional time difference between these two signals is measured with millisecond accuracy and periodically written to a unique file on the CF card.
**RF NETWORKS**

**SPECIFICATIONS**
- **Rackmountable Model**
  - Dimensions (W x H x D): 9 x 3.5 x 8 in.
  - Weight (Approximate): 5.5 lb
- **Portable Model**
  - Dimensions (W x H x D): 7 x 2 x 7 in.
  - Weight (Approximate): 3.5 lb

**ORDERING INFORMATION**
- **Rack-Mountable Model**
  - PN: 1036073
- **Portable Model**
  - PN: 1028051

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 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 is available in a 19 in. rackmount model and a portable model measuring just 7 x 7 x 2 in.; small enough to fit in a field service kit.
An L-band antenna is required to transmit Link 16 over the air. ViaSat 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 4 stainless steel bolts, a 1 in. offset spigot, and M16 stainless steel bolt, and washers. Mounting pole and guy wires are not included.

**L-BAND GROUND ANTENNA**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3.75 lb</td>
</tr>
</tbody>
</table>

**HIGHLIGHTS**

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

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PN</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1044620</td>
<td>L-band Ground Antenna</td>
</tr>
</tbody>
</table>

Be prepared! Armed with the 5-pound ViaSat 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-inch 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.

**PORTABLE ANTENNAS**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Portable Antenna</th>
<th>Portable Antenna (Tripod-Mounted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>11 x 1.3 in.</td>
</tr>
<tr>
<td>Weight</td>
<td>2 lb</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 x 8 in. (in bag)</td>
</tr>
<tr>
<td>Weight</td>
<td>5 lb</td>
</tr>
</tbody>
</table>

**HIGHLIGHTS**

- L-band: 960 to 1215 MHz
- 200 W
- +2dBi nom

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PN</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1230323</td>
<td>Portable Antenna</td>
</tr>
<tr>
<td>1058390</td>
<td>Portable Antenna (Tripod-Mounted)</td>
</tr>
</tbody>
</table>

**RF ANTENNA CABLES**

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PN</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003220</td>
<td>RF Antenna Cable, 50 ft Heliax</td>
</tr>
<tr>
<td>1100541</td>
<td>RF Antenna Cable, 50 ft RG-214 double-shielded</td>
</tr>
</tbody>
</table>
Link 16 Environment Gateway Simulator (LEGS) is an essential MIDS 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 US customers.

ViaSat can tailor LEGS Remote Interface Modules (RIMs) to support your special requirements. We have developed RIMs for GPS testing, ETR testing, OTAR testing, voice testing, and navigation testing. And, we have an API to support 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.

ViaSat’s Link 16 Flight-line Tool (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 to be installed on a tablet PC or as a software package for customers who want to install the LiFT application on their own equipment, such as the GoBook 3.

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.

**LINK 16 ENVIRONMENT GATEWAY SIMULATOR (LEGS)**

**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 and Support Port
- MIDS LVT(2) X.25, Platform J, JREAP-C, 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
- STT 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.

**ORDERING INFORMATION**
- PN: VA-022801-9000  LEGS
- PN: VA-022801-9500  LEGS-LITE

Licenses are available for installation on customer-furnished equipment after initial purchase.

**LINK 16 FLIGHT-LINE TOOL (LiFT)**

**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

**ORDERING INFORMATION**
- PN: 1194824  LiFT Handheld Kit
- PN: 1043058  Software License and CD
TDL TECHNICAL SUPPORT AND TRAINING

» 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 MIDS-LVT and LEGS products.
» The lab sessions develop the skill and knowledge of each student for safe and efficient operation of MIDS-LVT and efficient use of LEGS software.

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 1 day and as long as 2 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 is ViaSat’s Carlsbad facility located at 6155 E Camino Real, Carlsbad, CA 92009

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, MIDS JTRS, and the STT terminals. 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 ViaSat for further information.

<table>
<thead>
<tr>
<th>VSAT Code</th>
<th>Course Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSAT 101</td>
<td>MIDS Familiarization (Short Course)</td>
<td>1-day training course on MIDS-LVT</td>
</tr>
<tr>
<td>VSAT 102</td>
<td>LEGS Familiarization (Short Course)</td>
<td>1-day training course on ViaSat’s LEGS host</td>
</tr>
<tr>
<td>VSAT 103</td>
<td>Link 16 Familiarization (Short Course)</td>
<td>2-day training course on the introduction to Link 16</td>
</tr>
<tr>
<td>VSAT 104</td>
<td>MIDS and LEGS Familiarization</td>
<td>3-day training course covering the use of LEGS and MIDS operation</td>
</tr>
<tr>
<td>VSAT 105</td>
<td>MIDS Specifications and Documentation (Short Course)</td>
<td>1-day training course on MIDS ICDs and SSS</td>
</tr>
<tr>
<td>VSAT 106</td>
<td>Link 16 Flight-line Tool (LiFT)</td>
<td>2-day training course on ViaSat’s LiFT</td>
</tr>
<tr>
<td>VSAT 106A</td>
<td>LIFT Training</td>
<td>2-day training course on ViaSat’s LiFT</td>
</tr>
<tr>
<td>VSAT 201</td>
<td>Introduction to MIDS/Link 16 for Beginners</td>
<td>5-day training course introducing Link 16 and MIDS (priced individually for entire week)</td>
</tr>
<tr>
<td>VSAT 202</td>
<td>MIDS/LEG: Introduction to Operations and Maintenance</td>
<td>5-day training course on MIDS-LVT, LEGS and the maintenance of the MIDS-LVT</td>
</tr>
<tr>
<td>VSAT 204</td>
<td>MIDS/LEG: Operations and Maintenance for the Field</td>
<td>7-day training course focusing on the field level maintenance of the MIDS-LVT to include SRU removal</td>
</tr>
<tr>
<td></td>
<td>Service Engineer</td>
<td></td>
</tr>
<tr>
<td>VSAT 205</td>
<td>MIDS JTRS: Operations and Maintenance</td>
<td>(Available to MIDS-JTRS Users) 5-day training course focusing on MIDS JTRS operations and maintenance</td>
</tr>
<tr>
<td>VSAT 206</td>
<td>ARMS: Link 16 Network Management</td>
<td>3-day training course focusing on ARMS Link 16 Network management software</td>
</tr>
<tr>
<td>VSAT 207</td>
<td>TOES: Terminal Operational Environment System</td>
<td>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</td>
</tr>
<tr>
<td>VSAT 208</td>
<td>MIDS Navigation Training</td>
<td>3-day training intended for programmers and test analysts responsible for navigation implementation and test verification</td>
</tr>
<tr>
<td>VSAT 209</td>
<td>STT Operations</td>
<td>3-day training focusing on user’s Link 16 knowledge and to prepare them to use the STT for dual channel operations</td>
</tr>
<tr>
<td>VSAT 210</td>
<td>VLATS Training</td>
<td>5-day training focusing on the fundamentals and principles of the VLATS (Available to VLATS Users)</td>
</tr>
</tbody>
</table>

1STT = Small Tactical Terminal
2TOES = Terminal Operational Environment Simulator

CONTACT

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FAX 760 795 1045
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