



Scorpion System Operations Training Level 2 (ION Part Number: 1019-010008)

Course Information

Course Description:

The focus of this course is hands-on operation of the Scorpion cable-based land recording system. The extensive hands-on laboratory will cover building prospects, maps, setting shooting parameters, use of project manager wizards, building seismic process flows, use of global icons and map view components, shot management, interpreting unsolicited messages, data acquisition, configuration of source controllers, setting plotter and output displays, deploying and testing the spread, shooting, creating reports, ground electronics firmware verification and revision update, running diagnostics and utilities.

Recommended for individuals with experience operating land acquisition systems, such as Seismic Party Managers, Field Service Engineers, Geophysicists, Observers, and QC Inspectors.

Prerequisites:

Successful completion of Level 1 Scorpion Operations Training, or experience on previous versions of ION Geophysical land acquisition systems.

Course Fee: \$2500.00 per person (see [Terms and Conditions](#))

Facility: Stafford, TX USA

Duration: 5 days

Scheduling: Please send request to training@iongeo.com



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Daily Modules for Level 2 Scorpion System Operation Training

Day One

1. Demonstration and Hands-on exercises

- Domain Views
- Map Views
- Pelton Program Usage
- Preparing the Spread
- Search for a Component in a List
- Undeploying Spread Boxes
- Print a List
- Sort Data
- Filter Data
- Graph Data
- Power Up/Down the Line

Day Two

1. Demonstration and Hands-on exercises

- Fire a Shot
- Check Shot Status
- Set Source Information
- Modify a Template
- Modify Source Aware Attributes
- Set a Receiver Association (RAN)
- Set an Anchor
- Clear Error Messages
- Clear an Anchor
- Set a Stop Point
- Clear a Stop Point
- Set Operation Modes
- Set Error Message Levels
- Set the Color of Error Messages According to Level

Day Three

1. Demonstration and Hands-on exercises

- Work with the PSS Domain
- Work with the PFS Domain
- Work with the PPS Domain
- Work with the XLU Domain
- Work with the SVSM Domain
- Work with the Analog Sensor Domain



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- Work with the Seis/BBU Domain
- Work with Seis/BBU Cable Domain
- Work with the Truck Domain
- Run VectorSeis Receiver (SVSM) Tests
- Standard Analog Line Unit (A- & AU2) Tests
- Run BIT Tests
- Ground Electronics Firmware Verification and Revision Update

Day Four

1. Demonstration and Hands-on

- Interpreting Components in Map View
- Work with Map Views
- Work with Skip Gaps in Map View
- Work with Snakes in Map View
- Importing/Exporting SPS
- Shooting – Fleets & any Shooter

Day Five

1. Demonstration and Hands On

- Running Diagnostics & Utilities
- CRS (Central Recording System) Software Back-up and Restoration

2. Course Summary and Q&A

3. Final Exam

4. Course Evaluation



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1.1 Training

1.1.1 Definitions

1.1.1.1 One (1) “training day” means eight (8) hours of instruction time per student, including breaks.

1.1.1.2 One “unit” of training is equal to five (5) training days.

1.1.2 Terms and Conditions

1.1.2.1 The purchase of one (1) unit of training is equal to five (5) days of training for one (1) individual.

1.1.2.2 Training units may be used after delivery of the system to Buyer, but will expire one (1) year after system delivery.

1.1.2.3 Class size will be limited to a maximum of eight (8) students and require a minimum of four (4) students unless otherwise agreed to in writing by Buyer and Seller.

1.1.2.4 The training location will be agreed to by Buyer and Seller. The training location is required to, at all times, meet reasonable health and safety conditions. If, in the instructor’s opinion, a location selected by the Buyer at any time fails to satisfy the above conditions, the instructor may postpone the class until such time that the location satisfies the above conditions.

1.1.2.5 The Buyer will be responsible for all travel related expenses (including but not limited to airfare, lodging, meals, and local transportation) of their personnel attending training at any ION facility unless agreed to in writing by Buyer and Seller.

1.1.2.6 If Buyer requests that training be made available at Buyer’s site, Buyer will be responsible for travel and lodging expenses for the Seller’s instructor. Buyer will also be responsible for portal-to-portal charges and wage expenses for Seller’s instructor if travel is required outside of the standard ION workday and workweek.

1.1.2.7 Seller’s training classes delivered at the Buyer’s site will be performed at such times to conform to the standard ION workday and workweek unless agreed to in writing by Buyer and Seller. Buyer will be responsible for wage expenses for Seller’s instructor if training is required outside of the standard ION workday and workweek.

1.1.2.8 Training will be conducted in English. If a translator is required, the Buyer will be responsible for providing, at Buyer’s expense, a translator for the duration of the training.



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- 1.1.2.9 If buyer requests documentation in any language other than English, the Buyer will be responsible for all costs associated with the translation of said documentation.
- 1.1.2.10 Additional training days may be purchased from ION. The current price per training day as of 07/01/07 is \$500.00. This price is subject to change without prior notification.
- 1.1.2.11 Buyer has the right to cancel any confirmed class or attendance of any prior registered student up to ten (10) business days prior to class start date with no charge to Buyer. If Buyer cancels the confirmed class or attendance of any registered student within ten (10) days prior to class start date, Buyer will pay 50% of the standard course cost per seat cancelled in cash.
- 1.1.2.12 Seller has the right to cancel any confirmed class up to ten (10) business days prior to class start date with no charge to Seller. If Seller cancels a confirmed class within ten (10) business days or misses the confirmed class date, Seller will deliver the subsequent class at 50% of the standard course cost to Buyer. If Seller is forced to cancel a confirmed class for reasons outside of Seller's control, such as weather, acts of terrorism, labor disputes, emergencies, fire, laws or regulations, or other reasons, Seller may cancel any confirmed class at any time at no charge to Seller.