

2012 Spring Training Schedule
TerraSync™ and ArcPad® Training Classes

We are excited to offer Trimble® Certified training classes in locations throughout the Northwest this spring.

We are offering 2-day Trimble TerraSync training courses designed for new users, project managers and field specialists. Any Trimble system running TerraSync software is welcome. All aspects of a typical data collection project with GPS Pathfinder® Office software and TerraSync Professional Field Software will be covered.

We are offering 3-day ArcPad training classes designed for everyone: field specialists, project managers, and GIS administrators alike. This comprehensive class will cover all aspects of a data collection project with ArcPad and processing data with GPS Analyst software. Any system running ArcPad is welcome.

This year we are excited to offer a new class as well:

Advanced ArcPad has been designed for ArcPad users who have taken the introductory class and are looking to learn more about using their software. This class will cover a data update project with ArcPad, including importing existing data into a database, advanced data collection, offsets with Lasers and LaserGIS, customizing ArcPad and creating custom apps in ArcPad.

Please look at the following class descriptions and available dates and plan to attend. Classes can fill quickly so early registration is appreciated. If you have 4 or more people who need training and would rather have a class held on-site, please contact me. We have training laptops and receivers and would be happy to hold a class that will best meet your needs. Customized lesson plans are available.

Sincerely,

Alison Walker
GPS/GIS Technical Services Manager
Electronic Data Solutions
training@elecdata.com
Ph: 208-324-8006



Field Data Solutions, Inc.

P. O. Box 31 • Jerome, Idaho 83338 • Ph: 208-324-8006 • Fax: 208-324-8015

www.elecdata.com

GPS & GIS CLASS REGISTRATION FORM

Name _____ Agency/Company: _____

Address _____ City/State/Zip: _____

Phone: _____ Fax: _____ Email: _____

2-Day Classes: \$800

3-Day Classes: \$995

Date	Class	Location	Trainer
<input type="checkbox"/> 1/30-2/1	3-day ArcPad	Boise, ID	Chad Minteer
<input type="checkbox"/> 2/2-2/3	2-day TerraSync	Boise, ID	Chad Minteer
<input type="checkbox"/> 2/13-2/15	3-day ArcPad	Tri-Cities, WA	Jim Lahm
<input type="checkbox"/> 2/16-2/17	2-day TerraSync	Tri-Cities, WA	Jim Lahm
<input type="checkbox"/> 3/5-3/7	3-day Arcpad	Sacramento, CA	Jim Lahm
<input type="checkbox"/> 3/8-3/9	2-day TerraSync	Sacramento, CA	Jim Lahm
<input type="checkbox"/> 4/23-4/25	3-day ArcPad	Lynnwood, WA	Jim Lahm
<input type="checkbox"/> 4/26-4/27	2-day TerraSync	Lynnwood, WA	Jim Lahm
<input type="checkbox"/> 5/14-5/16	3-day ArcPad	Billings, MT	Alison Walker
<input type="checkbox"/> 5/17-5/18	2-day Advanced ArcPad	Billings, MT	Alison Walker
<input type="checkbox"/> 6/4-6/5	2-day TerraSync	Coeur d'Alene, ID	Alison Walker
<input type="checkbox"/> 6/6-6/8	3-day ArcPad	Coeur d'Alene, ID	Alison Walker
<input type="checkbox"/> 6/18-6/20	3-day ArcPad	Portland, OR	Jim Lahm
<input type="checkbox"/> 6/21-6/22	2-day TerraSync	Portland, OR	Jim Lahm

Each student is encouraged to bring their own GPS receiver and accessories. If you do not have one, you may rent a system for \$35/day. Training computers will be provided, but you may bring your own if it is pre-loaded with the appropriate versions of ActiveSync, Pathfinder Office, ArcGIS, and/or GPS Analyst. Email alison@elecdata.com with any questions prior to training.

I will be bringing my own GPS System. Specify system and software version: _____

I need to rent a GPS System.

Trimble Priority Support customers receive \$100 credit. Your PS Code # _____

(This discount applies only to the contact named in the PS agreement. A discount is available for each class scheduled during the terms of the agreement)

PAYMENT METHOD:

A **check** is enclosed (payable to Electronic Data Solutions) **or** Bill **Credit Card:** VISA MC **(EDS will issue charge.)**

Card Number: _____ Expiration Date: _____ VCode: _____ (REQUIRED)

Name on Card: _____ Signature: _____

Government Agencies Only: My Purchase Order is enclosed.

Please make PO out to Electronic Data Solutions, P.O. Box 31, Jerome, ID 83338.

Your agency will be invoiced after the training course is completed.

TO COMPLETE THE REGISTRATION PROCESS:

Complete this GPS & GIS Class Registration Form. **(Keep a copy for your files.)**

Include your payment, credit card information, or purchase order. **(See Payment Method instructions above.)**

Fax to (208) 324-8015 or mail to Electronic Data Solutions, P.O. Box 31, Jerome, ID, 83338

TRAINING COURSE TERMS & CONDITIONS

Class Limitations & Prerequisites:

TerraSync Training

Class Size: Minimum 8, Maximum 12

Prerequisite: Familiarity with Computers & Microsoft Windows

ArcPad Training

Class Size: Minimum 5, Maximum 12

Prerequisite: Familiarity with Computers & Microsoft Windows

Introductory ArcGIS experience will be helpful for ArcPad classes, but is not required.

Clothing/Equipment:

Please bring clothing appropriate for outside field work. There will be outside work for the GPS classes. Each student must have his own GPS receiver; there will be no more than 2 students per PC for office exercises.

You are invited to bring your own Trimble Mapping system to ensure the highest quality training experience. Please be sure to designate on the Class registration form whether you are planning to bring your own equipment or whether you need to rent a system.

Class Times:

8:30 AM - 4:30 PM

Lunch:

While refreshments will be provided, lunch is not included. There is often a choice of restaurants within a short walking or driving distance. Adequate time will be allowed to enjoy lunch on your own.

Registration Deadline/Cancellations

A full refund will be available if cancellation is made more than one week (7 days) prior to the start of each class. If cancellation occurs less than one week prior to the deadline to register, fifty (50) percent of the course fee will be refunded.

If registration for the minimum class size is not met, the class will be cancelled or rescheduled at the sole discretion of Electronic Data Solutions. You will be notified if a class has to be cancelled within 10 days of the start of the class so you can make other arrangements if needed.

If the scheduled instructor is not available due to unforeseen circumstances, we reserve the right to schedule another presenter of equal ability and expertise.

We also reserve the right to reschedule the training class to another date if weather or other unforeseen circumstances deem it necessary.

TRAINING COURSE OUTLINE

Trimble TerraSync Field Software and Pathfinder Office

Designed to help you get the most out of your Trimble Mapping system, this 2-day class is highly recommended for beginners and anyone who needs a refresher course before the next field season. You will enjoy the hands-on experience in the field and in the office and will have many opportunities to put what you learn to use right away during the class.

All aspects of a data collection project with GPS Pathfinder Office software and TerraSync Professional Field Software will be covered, including planning a project, creating a data dictionary, working with background files, collecting data, GPS navigation, differential correction (including H-Star processing), and export to GIS or CAD. All Trimble mapping systems are welcome, including the new Juno™ SB/SC, the GeoExplorer® series (GeoXM™, GeoXT™, or GeoXH™ with H-Star), the ProXT™/XH™ or ProXRT, or the XB Bluetooth receiver or XC card receiver with the Juniper® Archer, Trimble Recon® or Ranger™ handheld.

Whether you are learning to use your Trimble Mapping system for the first time, or learning to use what you have more efficiently, you will find this class well worth your time.

Prerequisites: **None**

Course topics:

- GPS fundamentals
- Planning a mapping project
- Creating a data dictionary
- Trimble Mapping system setup and TerraSync software configuration
- Collecting data with TerraSync Professional
- Transferring data files
- Differential correction using GPS Pathfinder Office
- Editing data in GPS Pathfinder Office
- Exporting data to ArcMap or Google Earth
- Transferring background files to TerraSync
- GPS Navigation with TerraSync

About The Instructors:

Chad Minteer has worked with Electronic Data Solutions since 1998 doing sales, support, training, support management, and software project management. Previously, he attended Montana Tech of the University of Montana, where coursework focused on surveying, mapping, programming, and GIS. Chad has been a Trimble Certified Trainer since 1999. He currently works as Mobile GIS Software Solutions Manager.

Jim Lahm has been in the GPS industry for 22 years. In 1994 he became a Trimble Pathfinder Certified Trainer. In early 1995, he started GPS education Resource, a company dedicated to GPS training and “teaching the finer points of GPS.” In August 2001, Jim joined Electronic Data Solutions. He became a Trimble Certified Trainer for TerraSync and ArcPad in 2005 and now sells Trimble GPS Mapping Systems, while providing certified training around the country.

Alison Walker has worked with Electronic Data Solutions since 2006 doing sales and technical support on Esri ArcPad and Trimble TerraSync, GPScorrect, Pathfinder Office and GPS Analyst software as well as the Ricoh Digital Camera using the Wind Image and GPS-Photo Link software. She has been a Trimble Certified Trainer since 2010 and currently works as Tech Services Manager for Support, Training and Repair.

TRAINING COURSE OUTLINE

ArcPad Training with GPS Analyst Extension for ArcGIS

This three-day course provides the same focus on ArcPad, while providing in-depth training using the GPS Analyst Extension for ArcGIS to prepare and process ArcPad data. Designed to convey the end-to-end understanding of collecting and managing high-quality ArcPad data using GPS Analyst, this class is valuable for the field user as well as the GIS administrator or data manager.

All aspects of a data collection project with ArcPad and GPS Analyst will be covered, including designing a GPS-enabled geodatabase, using GPS Analyst tools for ArcPad, configuring ArcPad & the Trimble GPSCorrect extension for ArcPad, field data collection, and processing data with GPS Analyst software. GPS Analyst processing includes differential correction, validation and rebuild settings.

This class is indispensable to anyone seeking to leverage the strengths of Esri and Trimble systems into a cohesive mapping system.

Prerequisites: **None**

Course topics:

- GPS fundamentals
- GIS fundamentals
- 7 Steps of a successful project
- Designing a GPS-enabled geodatabase
- Specifying the required accuracy for features
- Using GPS Analyst tools for ArcPad
- Configuring ArcPad & GPSCorrect
- Collecting Data with ArcPad
- Downloading data
- GPS Analyst Processing
 - Differentially Correcting GPS Sessions
 - Analyzing GPS Positions on the Map
 - Validating Features
 - Rebuilding Features
- GPS Navigation with ArcPad
- Updating existing data using ArcPad

About The Instructors:

Chad Minteer has worked with Electronic Data Solutions since 1998 doing sales, support, training, support management, and software project management. Previously, he attended Montana Tech of the University of Montana, where coursework focused on surveying, mapping, programming, and GIS. Chad has been a Trimble Certified Trainer since 1999. He currently works as Mobile GIS Software Solutions Manager.

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TRAINING COURSE OUTLINE

Advanced ArcPad Training: Update, LaserGIS and Customization

This two-day course allows the user to take their ArcPad skills to the next level. Designed to be a follow-up to the first ArcPad class, this class is valuable for the field user as well as the GIS administrator or data manager.

Advanced aspects of a data update project with ArcPad and GPS Analyst will be covered, including importing existing data into a GPS-enabled geodatabase, using ArcPad to update data in the field, and using Laser Rangefinders, built-in cameras and the LaserGIS extension for ArcPad. Day two will include a project to customize ArcPad and create custom apps using the ArcPad data collection tools.

This class is perfect for the ArcPad user looking to increase their efficiency and get the most out of their data collection software.

Prerequisites: **Previous ArcPad training class or permission from instructor.**

Course topics:

- Review of GPS fundamentals
- Determining projections of existing data
- Using ArcGIS to re-project and import data
- Updating a GPS-enabled geodatabase
- Specifying the required accuracy for existing feature classes
- Review of collecting and updating using advanced data collection in ArcPad
- Using LaserTech hardware and software for offsets in the field
- Using Quick Projects and Quick Project Templates
- Linking photos in ArcPad and ArcGIS
- Review of GPS Analyst Processing
- Measuring horizontal and vertical accuracy
- Customizing the ArcPad Toolbar
- Creating custom apps in ArcPad 10

About The Instructor:

Alison Walker has worked with Electronic Data Solutions since 2006 doing sales and technical support on Esri ArcPad and Trimble TerraSync, GPScorrect, Pathfinder Office and GPS Analyst software as well as the Ricoh Digital Camera using the Wind Image and GPS-Photo Link software. She has been a Trimble Certified Trainer since 2010 and currently works as Tech Services Manager for Support, Training and Repair.

LOCATION INFO

DATE	CLASS	CITY	TRAINING LOCATION
Jan 30-Feb 1 Feb 2-3	TerraSync/Pathfinder Office ArcPad/GPS Analyst	Boise, ID	Best Western Plus 6989 S. Federal Way Boise, ID 83716 Phone: 208-287-2300 Class will be in the Bear Creek Room
Feb 13-15 Feb 16-17	ArcPad/GPS Analyst TerraSync/Pathfinder Office	Kennewick, WA	Best Western Kennewick Inn 4001 W. 27th Ave. Kennewick, WA 99337 Phone: 509-586-1332 Class will be in the Meeting Room
Mar 5-7 Mar 8-9	ArcPad/GPS Analyst TerraSync/Pathfinder Office	Sacramento, CA	Best Western Cal Expo 1413 Howe Ave. Sacramento, CA 95825 Phone: 916-922-9833 Class will be in the Hallmark Room
Apr 23-25 Apr 26-27	ArcPad/GPS Analyst TerraSync/Pathfinder Office	Lynnwood, WA	Residence Inn—Marriott 18200 Alderwood Mall Parkway Lynnwood, WA 98037 Phone: 425-771-1100 Class will be in the Olympic Room
May 14-16 May 17-18	ArcPad/GPS Analyst Advanced ArcPad	Billings, MT	Billings Hotel & Convention Center 1223 Mallowney Lane Billings, MT 59101 Phone: 406-248-7151 Class will be in the Parlor Room
June 4-5 June 6-8	TerraSync/Pathfinder Office ArcPad/GPS Analyst	Coeur d'Alene, ID	AmeriTel Inn 333 Ironwood Ave. Coeur d'Alene, ID 83814 Phone: 208-665-9000 Class will be in Coeur d'Alene Room
June 18-20 June 21-22	ArcPad/GPS Analyst TerraSync/Pathfinder Office	Tualatin, OR	Comfort Inn 7640 SW Warm Springs Tualatin, OR 97062 Phone: 503-612-9952 Class will be in the Tualatin Room