TDS ForeSight DXM Function Table Highlights

FILE

New project
New job
Open project
Link data file
    TDS job (.JOB/.RAW)
    TDS points (.CR5/.RW5)
    Trimble (.DC)
Link multiple job files to project
Save project/job
Save project as
Import
    ASCII coordinates (.TXT, etc.)
    AutoCAD (.DXF)
    LandXML (.XML)
Export
    TDS coordinates (.CR5)
    ASCII coordinates (.TXT, .ASC, .PTS)
    Trimble (.DC)
    AutoCAD (.DXF & .DWG)
    LandXML (.XML)
Project properties
    Units for survey data
        Feet/U.S. feet/meters
    Units for angles
        Degrees/grads/gons
    Azimuth type
        North/south
    Number formats
    User information
Print setup
Print preview
Print

EDIT

Edit objects
Copy objects
Delete objects
Undo/redo
Rename points
2-D to 3-D points
Clear current selection
Selection editor
Save selection to
    Save multiple selections
Load selection to
    Recall selection for use

VIEW

Toolbars
Project navigator
Dialog bar
Clear dialog bar

VIEW, cont.

Point labels - toggle on/off
Identify objects - toggle on/off
Zoom, real-time zoom/pan
    Wheel mouse zoom/pan
Full screen
Redraw
Erase scratch layer
Plan view
    Shows points and lines in job file
    Pick points graphically when required
    Allows for insertion of new polylines
    Lines saved to the job file and project
Coordinate view
Job view
Transfer log/clear transfer log

COGO

Inverse point to point
    Inverse mode - simple/sideshot/sequence/
    multiple sideshots
Area
Closure report

REPORTS

Closure report
Basic reports
    Coordinate
    Raw data
    Adjustment
        Translate/rotate/scale
    Projection
    Data management
    Transfer log
    Import/export
    Point renaming
Cut sheet reports
    Offset stake
    Point stake
    Slope stake

MAP

Graphically select objects for editing
Add points/edit point
    Coordinates
    Latitude/longitude/height
    Attributes
Edit multiple points
Add/edit polyline
Add/edit alignments

ADJUSTMENTS

Translate/rotate/scale

TOOLS

Send/receive job to/from data collector
    HP 48, TDS DOS, Windows CE
Create job for data collector
    HP 48, Husky (DOS), Ranger (Windows CE)
Send/receive files
Transfer settings
    ActiveSync
    Kermit
    Kermit server mode
File conversion
    From and to multiple CAD and DC formats
Feature code file editor
Scientific RPN calculator
Geodetic calculator
Extract sub grid from geoid file

PROJECT/JOB

Project/job settings
Manage layers
Import/export point list (.PL5)
Projection settings
Manage data
    Job to project & project to job
    Manage geodetic information
Import control points to job
Reduce job raw data
Archive job/project

COORDINATE EDITOR/VIEWER

Grid type editor
Sort by any column
Map view visible while editing (job view only)
Shows extended point data
    Layer
    Latitude/longitude/height
    Attributes
Select objects

RAW DATA EDITOR

Edit all raw data elements
Regenerate coordinates
Search
    Record type
    Data values
    Field type/value
Graphical raw data view on map
    Entire survey
    Progressive by line
    One line at a time

Note: Polylines, alignments and geodetic data are not supported in .CR5 files.

Your local TDS dealer

TDS

TRIPOD DATA SYSTEMS
A TRIMBLE COMPANY

P.O. Box 947, Corvallis, OR 97339

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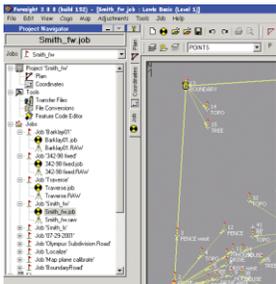
541.753.9322 **www.tdsway.com**

See the big picture

ForeSight DXM™ (Data eXchange Manager) gives you better ways to view, manage and analyze your survey data. You can easily transfer data from Survey Pro™ to your laptop or PC so you can use it to see your survey graphically. ForeSight DXM helps you manage project files, check data for accuracy and completeness, make simple edits and prepare data for your field survey or CAD development.

Use it before and after your field survey

ForeSight DXM helps you manage every stage of your project. Enter control data—including geodetic information such as GPS control and localization points—on your PC to graphically preview the job. Then transfer the project to your data collector and head out in the field to collect your data.

Transfer the collected data back to your laptop or PC and use ForeSight DXM's project file to efficiently manage data from several days or different sources. Error-checking routines help ensure your survey data is accurate and complete.

You can easily access any of the files, views and tools in your project using ForeSight DXM's Project Navigator.

What's more, the graphical views allow you to actually see the data as it was laid out. Even if you're using an HP 48GX, ForeSight DXM can give you a map view of your project.

In the office, you can use ForeSight DXM to make simple edits to your files and ensure that your field data is clear and understandable. Check your data with basic COGO tools and use the graphical raw data view with terrestrial or GPS data. You can also adjust data using translate, rotate or scale tools and even modify geodetic systems and localizations to readjust coordinates.

ForeSight DXM gives you a graphical view of your raw data, making it easier to isolate any errors.

Export points and lines to most CAD formats

ForeSight DXM lets you export Survey Pro job files and points from your data collector to most popular CAD formats, with all the visible lines and points you created in the field. Plus that same picture can be sent to CAD with all the lines intact; you won't have to process even a single linework command. You'll save time and reduce the potential for errors.
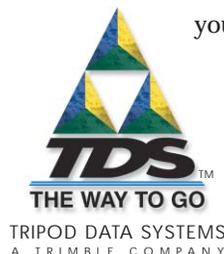
Integrated with the tools you use

ForeSight DXM works with the surveying hardware and software tools you use—at the office and in the field. You can import files from most data collectors. Import and export TDS job, coordinate and raw data files, plus TDS point lists, DXF, DC and text files. And since Tripod Data Systems™ has been paving the way for the new universal surveying file format, ForeSight DXM works with LandXML data files.

From the #1 name in surveying software

ForeSight DXM comes from the makers of Survey Pro, the #1 choice of professional surveyors since 1995,* so it works the way you do. Plus you can count on our top-notch support team. Free technical support comes automatically with every TDS product, to answer your toughest questions and get you back to work quickly.

*Business News Publishing Company's "Surveying and Mapping Industry Studies," 1995-2002. Includes software sold by TDS and TDS partner companies.

TDS™
THE WAY TO GO
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Data Collection   **GPS/GIS**   **Office Software**   **Construction**