Workflow Matrix

Survey Office v5.90 Software

Editions

Each Survey Office (SO) Edition is designed to support
a set of related workflows:

- **Viewer (Unlicensed):**
  Import + review field data, view projects, + export to Trimble field devices
  + software.

- **Field Data Edition:**
  Export third-party field data, perform basic CAD functions, complete data
  quality control, + work with level data.

- **Survey Intermediate Edition:**
  GNSS post-processing, network + traverse adjustments, site calibrations;
  work with background images, labels, + dimensions.

- **Survey Advanced Edition:**
  Work with Trimble® VISION™ data, create plan sets, process cadastral data,
  leverage full COGO + corridor routines.

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Workflow Matrix

Survey Office v5.90 Software - Editions

Blue text denotes new or enhanced v5.90 features.

Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
CAD Command Line	x	x	x	x
Cleanup Mobile Mapping Mission	x	x	x	x
Coordinate System Management	x	x	x	x
Data Viewing	x	x	x	x
Feature Definition Management	x	x	x	x
Feature Library Creation + Editing	x	x	x	x
GNSS Online Planning	x	x	x	x
Measure Codes	x	x	x	x
OGC Service Manager	x	x	x	x
Overexcavation Template Manager	x	x	x	x
Reference File View Filter Manager	x	x	x	x
SiteVision AR Exporter	x	x	x	x
SketchUp Compatibility	x	x	x	x
Trimble Clarity Viewer	x	x	x	x
Trimble Field Data Import + Export	x	x	x	x
Trimble Sync Manager	x	x	x	x
VisionLink	x	x	x	x
Basic CAD + COGO Tools		x	x	x
Data Spreadsheets		x	x	x
Detect Crossing Geometry		x	x	x
Feature Code Processing		x	x	x
Georeference + Export IFC for Trimble Access		x	x	x
Import + Adjust Level Data		x	x	x
Import + Export ESRI Shapefiles		x	x	x
Integrate Points Geometry		x	x	x
Local Site Settings		x	x	x
Optical Data Processings		x	x	x
Station Panorama Exporter		x	x	x
Third-Party Data Exports		x	x	x
TopoDOT Export - Terrestrial Scan Data		x	x	x
X7 to TMX Export		x	x	x
ALTA Relative Precision Report			x	x
Create + Edit Alignments			x	x
Create + Edit Surfaces			x	x
Create Points from CAD			x	x
Customized Reports			x	x
Dimensions + Annotations			x	x
Display Background Maps			x	x
Dynamic Label + Table Creation			x	x
Earthwork Reports			x	x
Georeference PDFs			x	x
GNSS Baseline Processing			x	x
Grid + Ground Labeling			x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Image Tools			x	x
Network Adjustments			x	x
Point Cloud Viewing + Sampling			x	x
Site Calibration Tools			x	x
Surface + Stored Cross-Section Reports			x	x
Surface Contours			x	x
Traverse Adjustments			x	x
Trimble RTX GNSS PP Service			x	x
View Data in Google Earth			x	x
Automated Cross-Section Plots				x
Corridor Design Tools				x
Create 3D PDFs				x
Create COGO + Survey CAD Commands				x
Create Points at Station Offset				**x**
Create Plan + Sheet Sets				x
Create Rectified Images				x
Create Side Slope				x
Create Subplanes Along a Path				x
Cutting Plane View + Plane Manager				x
Divide Area				**x**
Dynamic Scale Bars				x
Dynaview Links to Model Space				x
Generate Panorama Images				x
History Log View				x
Import + View Mobile Mapping Data				x
Legal Description Writer				x
Macros Creation + Application				x
Merge Survey Projects				x
Parcel + Map Check Routines				x
Projected, Radial, + Vertical Surfaces				x
Publish to Trimble Clarity v1				x
Single + Double Proportioning				x
Superelevation Diagrams				x
TopoDOT Export - Mobile Mapping Data				x
Trimble VISION Support				x
Virtual DR				x

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Workflow Matrix

Survey Office v5.90 Software

Modules

Each Survey Office (SO) Module is designed to support a group of workflows around a single topic. The modules are add-ons to an edition.

- **Aerial Photogrammetry Module:** Process + create deliverables with Trimble + third-party UAS data in SO + UASMaster.

- **GIS Module:** Seamlessly integrate GIS data from Trimble Access™ + TerraSync™ software into SO + connect to external GIS databases.

- **Scanning Module:** Register + colorize SX10 + X7 data; classify regions, extract features, + create deliverables from SX10, X7, + 3rd party point clouds.

- **Tunneling Module:** Create + edit tunnel models for Trimble Access Tunnels + create customized as-built + geometry reports.

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Workflow Matrix
Survey Office v5.90 Software - Modules

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Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Adjust Photo Stations	x			
Adjust Photo Stations with GCPs	x			
Adjustment with Ground Control Points	x			
Create Deliverables	x			
Delair UX11 Support	x			
Hardware Agnostic Support in UASMaster	x			
Import UAS Data	x			
senseFly eBee SODA Support	x			
UASMaster v12.x	x			
Extract Schema into Feature Libraries		x		
Import + Export File Geodatabases		x		
Import COR Files		x		
Map Metadata		x		
Post-process SSF Data		x		
Read GIS Data from Data Sources		x		
Upload Features to GIS Data Sources		x		
Automatic Ground Extraction			x	
Automatic Region Classification			x	
Create CAD Points from Scan Points			x	
Create Orthophoto Images			x	
Drape Objects on a Point Cloud			x	
Enahnced Ambient Shading Mode			x	
Extract Cross-sections From Point Clouds			x	
Extract Geometry			x	
Extract Stockpile			x	
Extract Line Feature			x	
Extract Point Features			x	
Georeference Scan Data			x	
Import FARO Scan Data			x	
Import TZF (Trimble TX6 + TX8) Data			x	
Intensity-based Point Cloud Filtering			x	
Pairwise Point Cloud Registration			x	
Plane-based Point Cloud Registration			x	
Stockpile Report			x	
Assign Point Cloud to Tunnel As-Builts				x
Create + Edit Tunnel Corridors				x
Create Setout Points				x
Create CAD Tunnel Cross-Section				x
Create Composite Surface				x
Create Tunnel Inspection Map				x
Create Tunnel Inspection Points				x
Custom As-Built Tunnel Reports				x

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Workflow Matrix
Survey Office v5.90 Software - Modules

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Blue text denotes new or enhanced v5.90 features.

Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Draft Plan Sets with Tunnel Geometry				x
Edit Composite Structure				**x**
Extract Classified Tunnel Regions				x
Import + Export to Trimble Access Tunnels				x
Render Design + As-Built Tunnel Mesh				x
Tunnel Inspection Report				x
Tunnel Geometry Reports				x
Tunnel Inspection Report				x

Disclaimer: Trimble reserves the right to change the licensing or make corrections to the program at any time through an update to Survey Office and or a correction to this list.

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