

# Workflow Matrix

Survey Office v2024.00 Software

## Editions

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

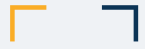
- **Viewer (Unlicensed):**  
Import + review field data, view projects, + export to Trimble field devices + software.
- **Field Data Edition:**  
Export third-party field data, perform basic CAD functions, complete data quality control, + work with level data.
- **Survey Intermediate Edition:**  
GNSS 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.

# Workflow Matrix

## Survey Office v2024.00 Software - Editions

Blue text denotes new or enhanced v2024.00 features.

| Workflow / Feature  | Viewer   | Field Data | Survey Intermediate | Survey Advanced |
|---|----------|------------|---------------------|-----------------|
| <b>Basic Construction Cloud Workflows:</b> WorksOS and WorksManager   | x        | x          | x                   | x               |
| <b>Coordinate system management:</b> Utilizing hundreds of coordinate systems                                       | x        | x          | x                   | x               |
| <b>Import Third Party Files:</b> Shapefiles, IFC, SketchUp®, SiteVision®, NGS Data Sheets & 12D                     | x        | x          | x                   | x               |
| <b>Export Third Party Files:</b> Shapefiles, IFC, Sketchup, SiteVision, Google Earth™, TopoDOT™ & 12D               | x        | x          | x                   | x               |
| <b>Utilize Online Mapping Services:</b> <b>TrimbleMAPs Background Map</b> , WMF and WMS                             | <b>x</b> | <b>x</b>   | <b>x</b>            | <b>x</b>        |
| <b>Collaborate with Customers:</b> Quadri Connector and Trimble Clarity   | x        | x          | x                   | x               |
| <b>Simplify Data Exchange in TBC:</b> <b>Connected Workspace</b> & Trimble Sync Manager™                            | <b>x</b> | <b>x</b>   | <b>x</b>            | <b>x</b>        |
| <b>Run Basic CAD Features:</b><br>Feature Code Processing and Xref drawings   |          | x          | x                   | x               |
| <b>Custom Coordinate System Design:</b><br>Implement Local Systems and Site Calibrations                            |          | x          | x                   | x               |
| <b>Create and Edit Roadway Designs:</b><br>Road Alignments and Road + Site Suraces                                  |          |            | x                   | x               |
| <b>Post-Process GNSS Base Less Data:</b><br>Trimble CenterPoint® RTX  |          |            | x                   | x               |
| <b>Generate reports:</b> Custom and ALTA Precision Reports  |          |            | x                   | x               |
| <b>Data Processing and Adjustments:</b><br>GNSS, Total Station and Leveling Data                                    |          |            | x                   | x               |
| <b>Simplified COGO Routines:</b> Legal Description Writer, Single + Double Proportion and Parcel Map Check Routines |          |            |                     | x               |
| <b>Expand or Customize Existing Workflows:</b><br>Merge Survey Projects and Macros Creation                         |          |            |                     | x               |
| <b>Enhanced 3D View Tools:</b> Cutting Plane View and Plane Manager   |          |            |                     | x               |
| <b>PDF Generation and Editing:</b> Georeference and 3D PDF Creation   |          |            |                     | x               |



# Workflow Matrix

Survey Office v2024.00 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.

## Workflow Matrix

Survey Office v2024.00 Software - Modules

Blue text denotes new or enhanced v2024.00 features.

| Workflow / Feature  | Aerial Photogrammetry | GIS | Scanning | Tunneling |
|---|-----------------------|-----|----------|-----------|
| <b>Advanced UAS Workflows:</b> Orthomosaic, DSM Creation and Point Cloud Ground Extraction  | x                     |     |          |           |
| <b>UAS Master Agnostic Support:</b> Hardware and Software Support   | x                     |     |          |           |
| <b>Feature Service Connections:</b> Connect to Geodatasets, Retrieve GIS Schema and Define Features   |                       | x   |          |           |
| <b>Analyze Point Clouds:</b> Filter, <b>Advance Dynamic Sampling, Areal, Terrestrial and Rail Classification, and International Roughness Index (IRI) Reporting</b> |                       |     | x        |           |
| <b>Enhance Point Cloud Elements:</b> Georeference, Extract Objects, Create Orthoimage and Drape Objects   |                       |     | x        |           |
| <b>Point Cloud Import:</b> TZF (TX and X Series), FARO and Industry Standardized Formats  |                       |     | x        |           |
| <b>Tunnel Design:</b> Create a Horizontal Corridor, a Horizontal and <b>Vertical Shaft Design</b> , Import or Create Tunnel Shapes                                  |                       |     |          | x         |
| <b>Tunnel Inspection and View:</b> Design & As-Built Mesh, Inspection Map and Views   |                       |     |          | x         |
| <b>Tunnel Monitoring and Reporting:</b> Design Set-Outs, <b>Create Undulation Report</b> and Custom Reports   |                       |     |          | 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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