



Workflow Matrix

Trimble Business Center v5.80 Software

Editions

Each Trimble® Business Center (TBC) 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.
- **Surface Modeling Edition:**
Basic point cloud management, create + edit surfaces + alignments, cut/fill maps, + earthwork reports.
- **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.
- **Site Modeling Edition:**
Convert + elevate 2D geometry into 3D for field operations; cleanup project data.
- **Site Construction Edition:**
Compute site mass haul + site takeoff computations, linear quantities, layer depths, + material volumes.
- **Infrastructure Construction Edition:**
Parametric intersection, interchange, + ramp designs with corridor mass haul quantities + volumes.



Blue text denotes new or enhanced v5.80 features.

| Workflow / Feature | Viewer | Field Data | Surface Modeling | Survey Intermediate | Survey Advanced | Site Modeling | Site Construction | Infrastructure Construction |
|---|----------|------------|------------------|---------------------|-----------------|---------------|-------------------|-----------------------------|
| 12D Import + Export | x | x | x | x | x | x | x | x |
| Calibrate Laser Scanners | x | x | x | x | x | x | x | x |
| Coordinate System Management | x | x | x | x | x | x | x | x |
| Create WorksOS Project | x | x | x | x | x | x | x | x |
| Feature Definition Manager | x | x | x | x | x | x | x | x |
| Feature Library Creation, Editing, + Export | x | x | x | x | x | x | x | x |
| GNSS Online Planning | x | x | x | x | x | x | x | x |
| Publish Designs to WorksManager | x | x | x | x | x | x | x | x |
| Publish to WorksOS | x | x | x | x | x | x | x | x |
| Quadri Connector | x | x | x | x | x | x | x | x |
| Selection Sets + Selection Explorer | x | x | x | x | x | x | x | x |
| Trimble Clarity Publishing | x | x | x | x | x | x | x | x |
| Trimble Field Data Import + Export | x | x | x | x | x | x | x | x |
| Trimble SiteVision Export | x | x | x | x | x | x | x | x |
| Trimble SketchUp Import + Export | x | x | x | x | x | x | x | x |
| Trimble Sync Manager | x | x | x | x | x | x | x | x |
| Trimble VisionLink Import + Export | x | x | x | x | x | x | x | x |
| View Survey + Construction Raw Data | x | x | x | x | x | x | x | x |
| Web Map Service | x | x | x | x | x | x | x | x |
| WorksManager Work Order | x | x | x | x | x | x | x | x |
| WorksOS | x | x | x | x | x | x | x | x |
| Basic CAD + COGO Tools | | x | x | x | x | x | x | x |
| Data Spreadsheets | | x | x | x | x | x | x | x |
| Detect Crossing Geometry | | x | x | x | x | x | x | x |
| ESRI Shapefiles Import + Export | | x | x | x | x | x | x | x |
| Feature Code Processing | | x | x | x | x | x | x | x |
| Google Earth Export | | x | x | x | x | x | x | x |
| IFC Georeference + Export | | x | x | x | x | x | x | x |
| Level Data Import + Adjustment | | x | x | x | x | x | x | x |
| Local Site Creation + Settings | | x | x | x | x | x | x | x |
| Optical Data Processing | | x | x | x | x | x | x | x |
| Site Calibration + Reporting | | x | x | x | x | x | x | x |
| Third-Party Data Exports | | x | x | x | x | x | x | x |
| TopoDOT Export - Terrestrial Scan Data | | x | x | x | x | x | x | x |
| Total Station Editor | | x | x | x | x | x | x | x |
| Alignment Creation + Editing | | | x | x | x | x | x | x |
| Earthwork Reports | | | x | x | x | x | x | x |
| Point Cloud Viewing + Sampling | | | x | x | x | x | x | x |
| Points from CAD Creation | | | x | x | x | x | x | x |
| Surface + Stored Cross-Section Reports | | | x | x | x | x | x | x |
| Surface Contour Creation | | | x | x | x | x | x | x |
| Surface Creation + Editing | | | x | x | x | x | x | x |
| Add Reference File | | | | x | x | x | x | x |



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|---|--------|------------|------------------|---------------------|-----------------|---------------|-------------------|-----------------------------|
| ALTA Relative Precision Report | | | | X | X | X | X | X |
| Background Maps Display | | | | X | X | X | X | X |
| Customized Reports | | | | X | X | X | X | X |
| Dimensions + Annotations | | | | X | X | X | X | X |
| Dynamic Label + Table Creation | | | | X | X | X | X | X |
| Export .GVX files to NGS' OPUS Projects | | | | X | X | X | X | X |
| Georeference PDFs | | | | X | X | X | X | X |
| GNSS Baseline Processing | | | | X | X | X | X | X |
| Grid + Ground Distance Labels | | | | X | X | X | X | X |
| Image Tools | | | | X | X | X | X | X |
| Network Adjustments | | | | X | X | X | X | X |
| Traverse Adjustments | | | | X | X | X | X | X |
| Trimble RTX GNSS PP Service | | | | X | X | X | X | X |
| 3D PDFs Creation | | | | | X | X | X | X |
| Automated Cross-Section Plots | | | | | X | X | X | X |
| Create Sub-Template | | | | | X | X | X | X |
| Create Surface From Reference File | | | | | X | X | X | X |
| COGO + Survey CAD Commands | | | | | X | X | X | X |
| Corridor Design Tools | | | | | X | X | X | X |
| Cutting Plane View + Plane Manager | | | | | X | X | X | X |
| Dynamic Scale Bars | | | | | X | X | X | X |
| Dynaview Links to Model Space | | | | | X | X | X | X |
| History Log View | | | | | X | X | X | X |
| Legal Description Writer | | | | | X | X | X | X |
| Macros Creation + Application | | | | | X | X | X | X |
| Manual Camera Calibration | | | | | X | X | X | X |
| Merge Survey Projects | | | | | X | X | X | X |
| Mobile Mapping Data Import | | | | | X | X | X | X |
| Parcel + Map Check Routines | | | | | X | X | X | X |
| Plan + Sheet Sets Creation | | | | | X | X | X | X |
| Projected, Radial, + Vertical Surfaces | | | | | X | X | X | X |
| Rectified Image Creation | | | | | X | X | X | X |
| Side Slope Creation | | | | | X | X | X | X |
| Single + Double Proportioning | | | | | X | X | X | X |
| Subplanes Along a Path Creation | | | | | X | X | X | X |
| Superelevation Diagrams | | | | | X | X | X | X |
| TopoDOT Export - Mobile Mapping Data | | | | | X | X | X | X |
| Trimble VISION Support | | | | | X | X | X | X |
| Virtual DR | | | | | X | X | X | X |
| Data Prep Tools | | | | | | X | X | X |
| Elevate Contours, Pads, + Lines | | | | | | X | X | X |
| Machine Data Tools | | | | | | X | X | X |
| Map Layers | | | | | | X | X | X |



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|--|--------|------------|------------------|---------------------|-----------------|---------------|-------------------|-----------------------------|
| Project Cleanup Tools | | | | | | X | X | X |
| Surface Site Improvements | | | | | | X | X | X |
| Variable Offset Lines | | | | | | X | X | X |
| Vertical Design Tools | | | | | | X | X | X |
| Corridor Boring Creation | | | | | | | X | X |
| Custom Takeoff Reports | | | | | | | X | X |
| Digitize + Extract Contours, Lines, + Pads | | | | | | | X | X |
| Digitize + Extract Cross-sections | | | | | | | X | X |
| Earthwork Summary | | | | | | | X | X |
| Identify Site Regions | | | | | | | X | X |
| Site Boring Creation | | | | | | | X | X |
| Site Mass Haul Creation + Analysis | | | | | | | X | X |
| Station / Offset View | | | | | | | X | X |
| Strata + Topsoil Area Tools | | | | | | | X | X |
| Validate Site Improvements | | | | | | | X | X |
| Corridor Mass Haul Creation + Analysis | | | | | | | | X |
| Corridor Mass Haul Import + Export | | | | | | | | X |
| Intersection Template Creation | | | | | | | | X |
| Mass Haul to TILOS Export | | | | | | | | X |
| Parametric Corridor Design Tools | | | | | | | | X |



Workflow Matrix

Trimble Business Center v5.80 Software

Modules

Each Trimble® Business Center (TBC) 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 TBC + UASMaster.
- **ANZ Toolbox:** Use a variety of commands that support 12d Model and Australian Asset Design and As Constructed (ADAC) workflows.
- **Drilling Piling Dynamic Compaction Module:** Create drill plans + reports for Trimble DPS900 Machine Control Systems.
- **GIS Module:** Seamlessly integrate GIS data from Trimble Access™ + TerraSync™ software into TBC + connect to external GIS databases.
- **Mobile Mapping Module:** Process, register, + manage MX9 Mobile Mapping data; work with MX hardware calibrations.
- **MM MX9 Laser Correction Module:** Account + adjust for multiple-time around (MTA) laser effects in the MX9 Mobile Mapping hardware.
- **Monitoring Module:** Define movement alarms, visualize displacements in 3D, and create monitoring reports from any survey data.
- **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.
- **Utility Modeling Module:** Generate + visualize gravity, pressurized, + other utility runs in parametrical constrained trenches.



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| Workflow / Feature | Aerial Photogrammetry | ANZ Toolbox | Drilling Piling Dynamic Compaction | GIS | Mobile Mapping | MM MX9 Laser Correction | Monitoring | Scanning | Tunneling | Utility Modeling |
|---|-----------------------|-------------|------------------------------------|-----|----------------|-------------------------|------------|----------|-----------|------------------|
| Advanced UAS Adjustment | x | | | | | | | | | |
| Aerial Photo Station Adjustment | x | | | | | | | | | |
| Delair UX11 Support | x | | | | | | | | | |
| Extract Ground | x | | | | | | | | | |
| Hardware Agnostic Support in UASMaster | x | | | | | | | | | |
| Import UAS Data | x | | | | | | | | | |
| Orthosaic, Point Cloud, + DSM Creation | x | | | | | | | | | |
| Point Cloud Ground Extraction | x | | | | | | | | | |
| senseFly eBee SODA Support | x | | | | | | | | | |
| UASMaster v9.x | x | | | | | | | | | |
| ADAC Import & Export | | x | | | | | | | | |
| ANZ Conformance Reports | | x | | | | | | | | |
| ANZ Surface Tools | | x | | | | | | | | |
| ANZ Data Investigation & Editing Tools | | x | | | | | | | | |
| 12da File Import & Export | | x | | | | | | | | |
| ADAC Exporter | | x | | | | | | | | |
| ADAC Settings v5.01 | | x | | | | | | | | |
| Export 12da File (Advanced) | | x | | | | | | | | |
| Import 12da File (Advanced) | | x | | | | | | | | |
| Import ADAC File | | x | | | | | | | | |
| Utility Node To BIM Object | | x | | | | | | | | |
| Compaction Plan + Report Creation | | | x | | | | | | | |
| DPS900 Import + Export | | | x | | | | | | | |
| Drill Plan + Report Creation | | | x | | | | | | | |
| Pile Plan + Report with Custom Pile Creation | | | x | | | | | | | |
| COR + SSF Data Support + Post-processing | | | | x | | | | | | |
| File Geodatabase Import + Export | | | | x | | | | | | |
| GIS Data Source Upload | | | | x | | | | | | |
| Map Metadata to Geodatabase | | | | x | | | | | | |
| Read GIS Data from Data Sources | | | | x | | | | | | |
| Schema into Feature Library Extraction | | | | x | | | | | | |
| Extract Classified Point Cloud Regions | | | | | x | | | x | | |
| Generate PFI | | | | | x | | | | | |
| Hardware Calibration Export | | | | | x | | | | | |
| LAS Export with Colorized Timestamp | | | | | x | | | | | |
| Mobile Mapping Point Clouds Creation | | | | | x | | | | | |
| MX50 Mobile Mapping Data Import and Registration | | | | | x | | | | | |
| MX9 Mobile Mapping Data Import and Registration | | | | | x | | | | | |
| POSPas SBET GNSS Trajectories Support | | | | | x | | | | | |
| Process Raw Trajectory Data | | | | | x | | | | | |
| Report on MX9 Mission + Registration | | | | | x | | | | | |
| Split MX9 Run | | | | | x | | | | | |
| Adjust MTA for MX9 Laser | | | | | | x | | | | |
| Assign Monitoring Project | | | | | | | x | | | |



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|--|-----------------------|-------------|------------------------------------|-----|----------------|-------------------------|------------|----------|-----------|------------------|
| Create Monitoring Points | | | | | | | x | | | |
| Import + Manage Monitoring Epochs | | | | | | | x | | | |
| Monitoring Points Spreadsheet | | | | | | | x | | | |
| Show Monitoring Chart | | | | | | | x | | | |
| Show Monitoring Report | | | | | | | x | | | |
| Sync Monitoring Project | | | | | | | x | | | |
| CAD Points from Scan Points Creation | | | | | | | | x | | |
| Extract Cross-sections From Point Cloud | | | | | | | | x | | |
| Extract Geometry | | | | | | | | x | | |
| Extract Point + Line Features From Point Cloud | | | | | | | | x | | |
| FARO Scan Data Import | | | | | | | | x | | |
| Filter Point Cloud | | | | | | | | x | | |
| Georeference Scan Data | | | | | | | | x | | |
| Orthophoto Images Creation | | | | | | | | x | | |
| Point Cloud Region Classification | | | | | | | | x | | |
| Point Features Extraction | | | | | | | | x | | |
| Scan Inspection | | | | | | | | x | | |
| TZF (Trimble TX6 + TX8) Data Import | | | | | | | | x | | |
| Assign Tunnel Convergence Points | | | | | | | | | x | |
| Create CAD Tunnel Cross-Sections | | | | | | | | | x | |
| Create Tunnel Inspection Map | | | | | | | | | x | |
| Create Tunnel Inspection Points | | | | | | | | | x | |
| Custom As-Built Tunnel Reports | | | | | | | | | x | |
| Design + As-Built Tunnel Mesh Creation | | | | | | | | | x | |
| Extract Classified Tunnel Regions | | | | | | | | | x | |
| Plan Sets with Tunnel Geometry Drafting | | | | | | | | | x | |
| Point Cloud to Tunnel As-Built Assignment | | | | | | | | | x | |
| Rebuild As-Built Tunnel Mesh | | | | | | | | | x | |
| Select Tunnel Points | | | | | | | | | x | |
| Setout Point Creation | | | | | | | | | x | |
| Trimble Access Tunnels Import + Export | | | | | | | | | x | |
| Tunnel As-Built Report (best-fit circle) | | | | | | | | | x | |
| Tunnel Convergence Report | | | | | | | | | x | |
| Tunnel Corridors Creation + Editing | | | | | | | | | x | |
| Tunnel Geometry Reports | | | | | | | | | x | |
| Tunnel Inspection Report | | | | | | | | | x | |
| Tunnel Inspection View | | | | | | | | | x | |
| Tunnel Set Outs As-Built Report | | | | | | | | | x | |
| Pipe + Utility Network Creation | | | | | | | | | | x |
| Trench Templates + Surfaces Creation | | | | | | | | | | x |
| Trench Template Manager | | | | | | | | | | x |
| Utility Node Creation | | | | | | | | | | x |
| Utility Shapes Customization | | | | | | | | | | x |
| Utility Takeoff Reports | | | | | | | | | | x |

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