Workflow Matrix

TRIMBLE BUSINESS CENTER v5.30 SOFTWARE

April 2020

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 v5.30 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
Coordinate System Management	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
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
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
Third-Party Data Exports		x	x	x	x	x	x	x
TopoDOT Export - Terrestrial Scan Data		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

Trimble

Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
ALTA Relative Precision Report				x	x	x	x	x
Customized Reports				x	x	x	x	x
Dimensions + Annotations				x	x	x	x	x
Background Maps Display				x	x	x	x	x
Dynamic Label + Table Creation				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
Site Calibration Tools				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
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
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
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

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.
- ▶ **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.
- ▶ **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	Drilling Piling Dynamic Compaction	GIS	Mobile Mapping	MM MX9 Laser Correction	Scanning	Tunneling	Utility Modeling
Advanced UAS Adjustment	x							
Aerial Photo Station Adjustment	x							
Delair UX11 Support	x							
Hardware Agnostic Support in UASMaster	x							
Orthomosaic, Point Cloud, + DSM Creation	x							
senseFly eBee SODA Support	x							
UASMaster v9.x	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 Suport + 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					
Generate PFIX				x				
Hardware Calibration Export				x				
LAS Export with Colorized Timestamp				x				
Mobile Mapping Point Clouds Creation				x				
MX9 Mobile Mapping Data Registration				x				
POSPas SBET GNSS Trajectories Support				x				
Report on MX9 Mission + Registration				x				
Split MX9 Run				x				
Adjust MTA for MX9 Laser					x			
CAD Points from Scan Points Creation						x		
FARO Scan Data Import						x		
Georeference Scan Data						x		
Intensity-based Point Cloud Filtering						x		
Orthophoto Images Creation						x		
FARO Scan Data Import						x		
FARO Scan Data Import						x		
Point Cloud Ground Extraction						x		
Point Cloud Region Classification						x		
Point Features Extraction						x		
FARO Scan Data Import						x		
TZF (Trimble TX6 + TX8) Data Import						x		
Custom As-Built Tunnel Reports							x	
Design + As-Built Tunnel Mesh Creation							x	
Plan Sets with Tunnel Geometry Drafting							x	
Point Cloud to Tunnel As-Built Assignment							x	
Setout Point Creation							x	
Trimble Access Tunnels Import + Export							x	
Tunnel Corridors Creation + Editing							x	
Tunnel Geometry Reports							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