



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
CAD Command Line	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
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



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Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure
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							
Point Cloud Ground Extraction	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		
Point Cloud Region Classification						x		
Point Features Extraction						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