



Command Matrix

Trimble Business Center v2023.1 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 v2023.1 features.

Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
3D Preset Views	x	x	x	x	x	x	x	x
3D View Projection (Perspective vs. Ortho)	x	x	x	x	x	x	x	x
3D View Settings	x	x	x	x	x	x	x	x
About Trimble Business Center	x	x	x	x	x	x	x	x
Access Services	x	x	x	x	x	x	x	x
Accuracy Verification Test Reports	x	x	x	x	x	x	x	x
Add External Job Site Design	x	x	x	x	x	x	x	x
Add Mission	x	x	x	x	x	x	x	x
Archive Project	x	x	x	x	x	x	x	x
Back	x	x	x	x	x	x	x	x
Backward Planar View (Backward Camera View)	x	x	x	x	x	x	x	x
Batch Coordinate System	x	x	x	x	x	x	x	x
Bottom	x	x	x	x	x	x	x	x
Bring Forward	x	x	x	x	x	x	x	x
Bring to Front	x	x	x	x	x	x	x	x
Browse For Import File	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
Center	x	x	x	x	x	x	x	x
Check for Updates	x	x	x	x	x	x	x	x
Cleanup Mobile Mapping Mission	x	x	x	x	x	x	x	x
Close Project	x	x	x	x	x	x	x	x
Colorize Scans	x	x	x	x	x	x	x	x
Command Pane	x	x	x	x	x	x	x	x
Compress/Email Field Data	x	x	x	x	x	x	x	x
Compute Project	x	x	x	x	x	x	x	x
Connected Community HCE	x	x	x	x	x	x	x	x
Connected Workspace	x	x	x	x	x	x	x	x
Convert Measure to Surface Point	x	x	x	x	x	x	x	x
Controller Manager	x	x	x	x	x	x	x	x
Convert CSV to FXL	x	x	x	x	x	x	x	x
Convert to RINEX	x	x	x	x	x	x	x	x
Coordinate Scroll	x	x	x	x	x	x	x	x
Coordinate System Manager	x	x	x	x	x	x	x	x
Copy Field Data to Data Card	x	x	x	x	x	x	x	x
Copy Field Data to USB Flash Drive	x	x	x	x	x	x	x	x
Copy Project Library to USB Flash Drive	x	x	x	x	x	x	x	x
Copy Work Order	x	x	x	x	x	x	x	x
Crack Display Settings	x	x	x	x	x	x	x	x
Create Job Site Design	x	x	x	x	x	x	x	x
Create WorksManager Design	x	x	x	x	x	x	x	x
Create WorksOS Project	x	x	x	x	x	x	x	x
Create Work Order	x	x	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 Construction
Cutting Plane View	x	x	x	x	x	x	x	x
Debug Selection	x	x	x	x	x	x	x	x
Define Command Shortcuts	x	x	x	x	x	x	x	x
Defined Views	x	x	x	x	x	x	x	x
Delete	x	x	x	x	x	x	x	x
Delete Work Order	x	x	x	x	x	x	x	x
Device Pane	x	x	x	x	x	x	x	x
Edit Limit Box	x	x	x	x	x	x	x	x
eLearning	x	x	x	x	x	x	x	x
End-User License Agreement	x	x	x	x	x	x	x	x
Exit	x	x	x	x	x	x	x	x
Explore Object	x	x	x	x	x	x	x	x
Export .12da 12D Format Files (Basic)	x	x	x	x	x	x	x	x
Export DC Road Format From Corridor	x	x	x	x	x	x	x	x
Export DC Road Format From Surface	x	x	x	x	x	x	x	x
Export DWG	x	x	x	x	x	x	x	x
Export DXF	x	x	x	x	x	x	x	x
Export Field Data (Trimble Machine Control)	x	x	x	x	x	x	x	x
Export GCS900 Excavator Profile Files	x	x	x	x	x	x	x	x
Export GCS900 Machine Avoidance Zone File	x	x	x	x	x	x	x	x
Export GCS900 Machine Jobsite Design	x	x	x	x	x	x	x	x
Export GCS900 Machine Site Map	x	x	x	x	x	x	x	x
Export Measure Codes Definition File (MCD)	x	x	x	x	x	x	x	x
Export Project Link Exporter VCL File	x	x	x	x	x	x	x	x
Export SIMA Format	x	x	x	x	x	x	x	x
Export Sketchup .skp Files	x	x	x	x	x	x	x	x
Export Somero .nod Files	x	x	x	x	x	x	x	x
Export Survey Controller Job File	x	x	x	x	x	x	x	x
Export Survey Data Collector DC File	x	x	x	x	x	x	x	x
Export Survey Pro Job File	x	x	x	x	x	x	x	x
Export TDS Interlock (ilj) File	x	x	x	x	x	x	x	x
Export to Other CAD Applications	x	x	x	x	x	x	x	x
Export Trimble Access job File	x	x	x	x	x	x	x	x
Export Trimble Access Road Strings	x	x	x	x	x	x	x	x
Export Trimble Access RXL Road Templates	x	x	x	x	x	x	x	x
Export Trimble Data Exchange Format (TDEF) File	x	x	x	x	x	x	x	x
Export Trimble JobXML Field Software Format	x	x	x	x	x	x	x	x
Feature Definition Manager	x	x	x	x	x	x	x	x
Filter Line Markings	x	x	x	x	x	x	x	x
Flags Pane	x	x	x	x	x	x	x	x
Float View	x	x	x	x	x	x	x	x
Front	x	x	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 Construction
Go To Run Position	x	x	x	x	x	x	x	x
Help	x	x	x	x	x	x	x	x
Imaging Config	x	x	x	x	x	x	x	x
Import	x	x	x	x	x	x	x	x
Import .12da File (Basic)	x	x	x	x	x	x	x	x
Import .asc ASCII, TDEF, Raw Data, InRoads Hz and Vt Alignment Files	x	x	x	x	x	x	x	x
Import .cal Site Calibration Files	x	x	x	x	x	x	x	x
Import .dat DiNi Level Files	x	x	x	x	x	x	x	x
Import .dat STAR*Net Level Files	x	x	x	x	x	x	x	x
Import .eje MDT Hz Alignment Files	x	x	x	x	x	x	x	x
Import .inf Fast Survey Files	x	x	x	x	x	x	x	x
Import .pbj Rangefinder Laser Files	x	x	x	x	x	x	x	x
Import .raw (TDS, Nikon) Raw Data Files	x	x	x	x	x	x	x	x
import .sp3, sp3c precise ephemeris files	x	x	x	x	x	x	x	x
Import .xyz point Cloud Files	x	x	x	x	x	x	x	x
Import .yxz Point Cloud Files	x	x	x	x	x	x	x	x
Import ASCII CSV Files - PNEZD	x	x	x	x	x	x	x	x
Import ASCII CSV Files - Station, Offset, Elevation	x	x	x	x	x	x	x	x
Import Ashtech ProMark / ProFlex .crd Format	x	x	x	x	x	x	x	x
Import Ashtech ProMark / ProFlex .ddd Format	x	x	x	x	x	x	x	x
Import Autodesk DWG Format	x	x	x	x	x	x	x	x
Import Autodesk DXF Format	x	x	x	x	x	x	x	x
Import Bentley .icm.dgn iModel Files	x	x	x	x	x	x	x	x
Import Bentley Microstation dgn files	x	x	x	x	x	x	x	x
Import Business Center - HCE .VCL Project Link Files	x	x	x	x	x	x	x	x
Import CaAiCE .txt Files	x	x	x	x	x	x	x	x
Import Cartomap .txt Files	x	x	x	x	x	x	x	x
Import CLIP .alz Alignment Files	x	x	x	x	x	x	x	x
Import CLIP .plt Alignment Files	x	x	x	x	x	x	x	x
Import CLIP .trv Files	x	x	x	x	x	x	x	x
Import e57 Format	x	x	x	x	x	x	x	x
Import Fast Survey .sys Files	x	x	x	x	x	x	x	x
Import Format Editor	x	x	x	x	x	x	x	x
Import GCS900 .avoid Format	x	x	x	x	x	x	x	x
Import GCS900 .avoid.svl Avoidance Zone Files	x	x	x	x	x	x	x	x
Import GCS900 .cfg Coordinate System Files	x	x	x	x	x	x	x	x
Import GCS900 .dsp Format	x	x	x	x	x	x	x	x
Import GCS900 .mch Format	x	x	x	x	x	x	x	x
Import GCS900 .mch Measure Up Files	x	x	x	x	x	x	x	x
Import GCS900 .persist Format	x	x	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 Construction
Import GCS900 .pro Format	x	x	x	x	x	x	x	x
Import GCS900 .svd Files	x	x	x	x	x	x	x	x
Import GCS900 .svd Format	x	x	x	x	x	x	x	x
Import GCS900 .svl Files	x	x	x	x	x	x	x	x
Import GCS900 .svl Format	x	x	x	x	x	x	x	x
Import GCS900 .tsd Format	x	x	x	x	x	x	x	x
Import Geopak .xsr Cross Section Report File	x	x	x	x	x	x	x	x
Import HYDROpro .hpt Files	x	x	x	x	x	x	x	x
Import IFC Files	x	x	x	x	x	x	x	x
Import Inframodel .xml Files	x	x	x	x	x	x	x	x
Import InRoads .soe Files	x	x	x	x	x	x	x	x
Import IREDES .xml Tunnel and Drill Plan Files	x	x	x	x	x	x	x	x
Import ISPOL .ali Alignment Files	x	x	x	x	x	x	x	x
Import ISPOL .ras Vertical Alignment Files	x	x	x	x	x	x	x	x
Import ISPOL .sce and .sc1 Files	x	x	x	x	x	x	x	x
Import LandXML Format	x	x	x	x	x	x	x	x
Import LAS/LAZ Format	x	x	x	x	x	x	x	x
Import Measure Codes Definition File (.MCD)	x	x	x	x	x	x	x	x
Import MDT .ras Vertical Alignment Files	x	x	x	x	x	x	x	x
Import MDT .tra Files	x	x	x	x	x	x	x	x
Import Monitoring Epochs	x	x	x	x	x	x	x	x
Import MX GENIO .crd, .mos, .txt Files	x	x	x	x	x	x	x	x
Import NGS .ds Data Sheet Files	x	x	x	x	x	x	x	x
Import NGS .htm Data Sheet Files	x	x	x	x	x	x	x	x
Import NGS OPUS .xml Files	x	x	x	x	x	x	x	x
Import Nikon Job File	x	x	x	x	x	x	x	x
Import Norway .KOF Files	x	x	x	x	x	x	x	x
Import Norway .tit Files	x	x	x	x	x	x	x	x
Import Novapoint .gen Files	x	x	x	x	x	x	x	x
Import Novapoint .vgp Files	x	x	x	x	x	x	x	x
Import PCS900 .persist Display Configuration Files	x	x	x	x	x	x	x	x
Import POD Format	x	x	x	x	x	x	x	x
Import PTS Format	x	x	x	x	x	x	x	x
Import PTX Format	x	x	x	x	x	x	x	x
Import RCP Format	x	x	x	x	x	x	x	x
Import REB .021 Files	x	x	x	x	x	x	x	x
Import REB .040 Files	x	x	x	x	x	x	x	x
Import REB .066 Files	x	x	x	x	x	x	x	x
Import REB .66 Files	x	x	x	x	x	x	x	x
Import Report	x	x	x	x	x	x	x	x
Import Report	x	x	x	x	x	x	x	x
Import SBG .geo Files	x	x	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 Construction
Import SBG .gt Files	x	x	x	x	x	x	x	x
Import SBG .lin Files	x	x	x	x	x	x	x	x
Import SBG .llc Files	x	x	x	x	x	x	x	x
Import SBG .lmd Files	x	x	x	x	x	x	x	x
Import SBG .nyl Files	x	x	x	x	x	x	x	x
Import SBG .prf Files	x	x	x	x	x	x	x	x
Import SBG .pxy Files	x	x	x	x	x	x	x	x
Import SBG .sec Files	x	x	x	x	x	x	x	x
Import SBG .skv Files	x	x	x	x	x	x	x	x
Import SCS900 .gcj Work Order Files	x	x	x	x	x	x	x	x
Import SCS900 .ini Site Settings File	x	x	x	x	x	x	x	x
Import SCS900 .spj Work Order Files	x	x	x	x	x	x	x	x
Import SCS900 .txt Work Order Results File	x	x	x	x	x	x	x	x
Import Sitepulse .epj Work Order Result Files	x	x	x	x	x	x	x	x
Import Sketchup .skp Files	x	x	x	x	x	x	x	x
Import Somero .nod Files	x	x	x	x	x	x	x	x
Import SOSI Format	x	x	x	x	x	x	x	x
Import Spectra Precision Field Surveyor .asc Format	x	x	x	x	x	x	x	x
Import Spectra Precision Field Surveyor .dat Format	x	x	x	x	x	x	x	x
Import Spectra Precision Field Surveyor .xml Format	x	x	x	x	x	x	x	x
Import Spectra Precision Field Surveyor ASCII Format	x	x	x	x	x	x	x	x
Import Spectra Precision Focus DL-15 Level Files	x	x	x	x	x	x	x	x
Import Survey Pro .job Format	x	x	x	x	x	x	x	x
Import Survey Pro .raw Format	x	x	x	x	x	x	x	x
Import Survey Pro .survey Format	x	x	x	x	x	x	x	x
Import Survey Pro .xml Format	x	x	x	x	x	x	x	x
Import TDS Interlock .ilj Format	x	x	x	x	x	x	x	x
Import Terramodel PRO Files	x	x	x	x	x	x	x	x
Import Trimble .dat GNSS Files	x	x	x	x	x	x	x	x
Import Trimble .dc Data Collector Files	x	x	x	x	x	x	x	x
Import Trimble .dc Site Calibration Files	x	x	x	x	x	x	x	x
Import Trimble .FXL Feature Code Library Files	x	x	x	x	x	x	x	x
Import Trimble .pav Paving Run Files	x	x	x	x	x	x	x	x
Import Trimble .RXL RoadXML Files	x	x	x	x	x	x	x	x
Import Trimble .tdx Data Exchange Files	x	x	x	x	x	x	x	x
Import Trimble .tsf Scanner Files	x	x	x	x	x	x	x	x
Import .TRB TrimBim Files	x	x	x	x	x	x	x	x
Import Trimble .ttm Surface Model Files	x	x	x	x	x	x	x	x
Import Trimble Access .dc Format	x	x	x	x	x	x	x	x
Import Trimble Access .job Format	x	x	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 Construction
Import Trimble Access .jxl Format	x	x	x	x	x	x	x	x
Import Trimble Access .rxl Format	x	x	x	x	x	x	x	x
Import Trimble Access .xml Format	x	x	x	x	x	x	x	x
Import Trimble Digital Fieldbook .dc Format	x	x	x	x	x	x	x	x
Import Trimble Digital Fieldbook .job Format	x	x	x	x	x	x	x	x
Import Trimble Digital Fieldbook .xml Format	x	x	x	x	x	x	x	x
Import Trimble GNSS .dat Format	x	x	x	x	x	x	x	x
Import Trimble GNSS .t00, .t01, .t02 Files	x	x	x	x	x	x	x	x
Import Trimble GNSS .t00/.t01/.t02 Format	x	x	x	x	x	x	x	x
Import Trimble Survey Controller .dc Format	x	x	x	x	x	x	x	x
Import Trimble Survey Controller .job Format	x	x	x	x	x	x	x	x
Import Trimble Survey Controller .jxl Format	x	x	x	x	x	x	x	x
Import Trimble Survey Controller .rxl Format	x	x	x	x	x	x	x	x
Import Trimble Survey Controller .xml Format	x	x	x	x	x	x	x	x
Import Trimble Survey Manager .jxl Format	x	x	x	x	x	x	x	x
Import Trimble Survey Manager ASCII Format	x	x	x	x	x	x	x	x
Import Trimble Survey Pro .survey files	x	x	x	x	x	x	x	x
Import Wirth .yxz Files	x	x	x	x	x	x	x	x
Import Work Order Results	x	x	x	x	x	x	x	x
Import/Export User Options	x	x	x	x	x	x	x	x
Internal Select Mode	x	x	x	x	x	x	x	x
Invert Selection	x	x	x	x	x	x	x	x
Job Report Generator	x	x	x	x	x	x	x	x
Job Site Design Manager	x	x	x	x	x	x	x	x
Job Site Manager	x	x	x	x	x	x	x	x
Layer Group Manager	x	x	x	x	x	x	x	x
Layer Manager	x	x	x	x	x	x	x	x
Left	x	x	x	x	x	x	x	x
Left Mouse Pan	x	x	x	x	x	x	x	x
Left Mouse Rotate	x	x	x	x	x	x	x	x
Left Mouse Select	x	x	x	x	x	x	x	x
Left Mouse Zoom	x	x	x	x	x	x	x	x
License Manager	x	x	x	x	x	x	x	x
Material and Site Improvement Manager	x	x	x	x	x	x	x	x
Measure Angle	x	x	x	x	x	x	x	x
Measure Distance	x	x	x	x	x	x	x	x
Measure Distance CSV Report	x	x	x	x	x	x	x	x
Measure Point	x	x	x	x	x	x	x	x
Move to Next Tab Group	x	x	x	x	x	x	x	x
Move to Previous Tab Group	x	x	x	x	x	x	x	x
New 3D Drive View	x	x	x	x	x	x	x	x
New 3D View	x	x	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 Construction
New Batch Parameters	x	x	x	x	x	x	x	x
New Cross-Section View	x	x	x	x	x	x	x	x
New Default Project	x	x	x	x	x	x	x	x
New Feature Library	x	x	x	x	x	x	x	x
New Horizontal Tab Group	x	x	x	x	x	x	x	x
New Oblique Camera View	x	x	x	x	x	x	x	x
New Plan View	x	x	x	x	x	x	x	x
New Plan View (old architecture)	x	x	x	x	x	x	x	x
New Profile View	x	x	x	x	x	x	x	x
New Project	x	x	x	x	x	x	x	x
New Station View	x	x	x	x	x	x	x	x
New Station View (referenced images)	x	x	x	x	x	x	x	x
New Vertical Tab Group	x	x	x	x	x	x	x	x
Office Synchronizer	x	x	x	x	x	x	x	x
OGC Service Manager	x	x	x	x	x	x	x	x
Online GNSS Planning	x	x	x	x	x	x	x	x
Open Project	x	x	x	x	x	x	x	x
Open Remote File	x	x	x	x	x	x	x	x
Options	x	x	x	x	x	x	x	x
Orthographic	x	x	x	x	x	x	x	x
Overexcavation Template Manager	x	x	x	x	x	x	x	x
Pan	x	x	x	x	x	x	x	x
Pan Precise	x	x	x	x	x	x	x	x
Perspective	x	x	x	x	x	x	x	x
Plane Manager	x	x	x	x	x	x	x	x
Planning	x	x	x	x	x	x	x	x
Polygon Select	x	x	x	x	x	x	x	x
Presentation Mode	x	x	x	x	x	x	x	x
Process SCS work order symbols	x	x	x	x	x	x	x	x
Process View	x	x	x	x	x	x	x	x
Profile Viewer	x	x	x	x	x	x	x	x
Project Explorer	x	x	x	x	x	x	x	x
Project Settings	x	x	x	x	x	x	x	x
Properties	x	x	x	x	x	x	x	x
Publish Designs to WorksManager	x	x	x	x	x	x	x	x
Publish Field Data To Business Data Center	x	x	x	x	x	x	x	x
Publish Field Data to Project Library	x	x	x	x	x	x	x	x
Publish Library to USB	x	x	x	x	x	x	x	x
Publish to Clarity	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
Quality Assurance Report	x	x	x	x	x	x	x	x
Reassign External Job Site Design	x	x	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 Construction
Reassign Work Order	x	x	x	x	x	x	x	x
Rectangle Select	x	x	x	x	x	x	x	x
Redo	x	x	x	x	x	x	x	x
Reference File View Filter Manager	x	x	x	x	x	x	x	x
Region of Interest	x	x	x	x	x	x	x	x
Right	x	x	x	x	x	x	x	x
Run Last Command	x	x	x	x	x	x	x	x
Run View (Panoramic View)	x	x	x	x	x	x	x	x
Save As Clone	x	x	x	x	x	x	x	x
Save File Remotely	x	x	x	x	x	x	x	x
Save Project	x	x	x	x	x	x	x	x
Save Project As	x	x	x	x	x	x	x	x
Save Project As Template	x	x	x	x	x	x	x	x
SBET Frame and Epoch	x	x	x	x	x	x	x	x
SCS Data Manager	x	x	x	x	x	x	x	x
Select All	x	x	x	x	x	x	x	x
Select by Layer	x	x	x	x	x	x	x	x
Select by Polygon	x	x	x	x	x	x	x	x
Select Points	x	x	x	x	x	x	x	x
Selection Explorer	x	x	x	x	x	x	x	x
Send Backward	x	x	x	x	x	x	x	x
Send to Back	x	x	x	x	x	x	x	x
Set Limit Box	x	x	x	x	x	x	x	x
Set Menu Layout	x	x	x	x	x	x	x	x
Side Planar View (Side Camera View)	x	x	x	x	x	x	x	x
SiteVision AR Exporter	x	x	x	x	x	x	x	x
Spectra Geospatial Origin Job File Exporter	x	x	x	x	x	x	x	x
Snap Mode	x	x	x	x	x	x	x	x
Start Page	x	x	x	x	x	x	x	x
Station View Image Filter	x	x	x	x	x	x	x	x
Stored Measurements Report	x	x	x	x	x	x	x	x
Surface Slicer View	x	x	x	x	x	x	x	x
Tile Sequence Viewer	x	x	x	x	x	x	x	x
Toggle Gridlines	x	x	x	x	x	x	x	x
Toggle Line Marking	x	x	x	x	x	x	x	x
Toggle Visibility	x	x	x	x	x	x	x	x
Toggle Z-Axis	x	x	x	x	x	x	x	x
Top	x	x	x	x	x	x	x	x
Tours and Tutorials	x	x	x	x	x	x	x	x
Trajectory Plots	x	x	x	x	x	x	x	x
Trajectory Settings	x	x	x	x	x	x	x	x
Trimble Access Services	x	x	x	x	x	x	x	x



Blue text denotes new or enhanced v2023.1 features.

Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Trimble Clarity	x	x	x	x	x	x	x	x
Trimble Maps None	x	x	x	x	x	x	x	x
Trimble Maps Satellite	x	x	x	x	x	x	x	x
Trimble Maps Street	x	x	x	x	x	x	x	x
Trimble Maps Terrain	x	x	x	x	x	x	x	x
Trimble Sync	x	x	x	x	x	x	x	x
Trimble Sync Manager	x	x	x	x	x	x	x	x
Undo	x	x	x	x	x	x	x	x
User Profile Manager	x	x	x	x	x	x	x	x
View 3D Preset Last Used	x	x	x	x	x	x	x	x
View Filter Manager	x	x	x	x	x	x	x	x
View Mission Trajectory (Toggle Trajectory)	x	x	x	x	x	x	x	x
Walk-Through	x	x	x	x	x	x	x	x
Web Map Service	x	x	x	x	x	x	x	x
WorksManager	x	x	x	x	x	x	x	x
WorksManager Design Manager	x	x	x	x	x	x	x	x
WorksManager Design Status	x	x	x	x	x	x	x	x
WorksManager Field Data to USB Drive	x	x	x	x	x	x	x	x
WorksManager Project	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
Work Order Editor	x	x	x	x	x	x	x	x
Work Order Report	x	x	x	x	x	x	x	x
Work Order Report	x	x	x	x	x	x	x	x
Work Orders Summary	x	x	x	x	x	x	x	x
Workflow Guides	x	x	x	x	x	x	x	x
Write FXL to CSV	x	x	x	x	x	x	x	x
Zoom	x	x	x	x	x	x	x	x
Zoom Extents	x	x	x	x	x	x	x	x
Zoom In	x	x	x	x	x	x	x	x
Zoom Out	x	x	x	x	x	x	x	x
Zoom Precise	x	x	x	x	x	x	x	x
Add/Remove Selection		x	x	x	x	x	x	x
Advanced Select		x	x	x	x	x	x	x
As Staked Corridor Report		x	x	x	x	x	x	x
As Staked Report		x	x	x	x	x	x	x
Batter Conformance Report		x	x	x	x	x	x	x
Break Line		x	x	x	x	x	x	x
Change Coordinate System		x	x	x	x	x	x	x
Clip Lines		x	x	x	x	x	x	x
Combine Level Files		x	x	x	x	x	x	x
Coordinate System Comparison Report		x	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 Construction
Copy Objects		x	x	x	x	x	x	x
Create Arc		x	x	x	x	x	x	x
Create Block		x	x	x	x	x	x	x
Create Boundary		x	x	x	x	x	x	x
Create Circle		x	x	x	x	x	x	x
Create Dependent Point		x	x	x	x	x	x	x
Create Linestring		x	x	x	x	x	x	x
Create Plotbox		x	x	x	x	x	x	x
Create Point		x	x	x	x	x	x	x
Create Polygon		x	x	x	x	x	x	x
Create Polyline		x	x	x	x	x	x	x
Create Rectangle		x	x	x	x	x	x	x
Create Text		x	x	x	x	x	x	x
Create Three Point Circle		x	x	x	x	x	x	x
Create Three Point Rectangle		x	x	x	x	x	x	x
Datum Gridding		x	x	x	x	x	x	x
Delete Line Segment		x	x	x	x	x	x	x
Detect Crossing Geometry		x	x	x	x	x	x	x
Disable Redundant Backsights		x	x	x	x	x	x	x
Divide Line		x	x	x	x	x	x	x
Edit		x	x	x	x	x	x	x
Edit Dependent Point		x	x	x	x	x	x	x
Edit Linestring		x	x	x	x	x	x	x
Edit Text		x	x	x	x	x	x	x
Explode		x	x	x	x	x	x	x
Explode Points		x	x	x	x	x	x	x
Export LAZ Point Clouds		x	x	x	x	x	x	x
Export Applanix Smartbase Format		x	x	x	x	x	x	x
Export BlueBook Format		x	x	x	x	x	x	x
Export Digital Fieldbook Job File		x	x	x	x	x	x	x
Export E57 Point Clouds		x	x	x	x	x	x	x
Export E57 Structured		x	x	x	x	x	x	x
Export ESRI Shapefile Format		x	x	x	x	x	x	x
Export Field Surveyor V2 Job File		x	x	x	x	x	x	x
Export Format Editor		x	x	x	x	x	x	x
Export Google KML/KMZ Format		x	x	x	x	x	x	x
Export IFC		x	x	x	x	x	x	x
Export Inframodel File		x	x	x	x	x	x	x
Export KOF Vector Data File		x	x	x	x	x	x	x
Export LandXML File		x	x	x	x	x	x	x
Export LAS Point Clouds		x	x	x	x	x	x	x
Export POD Point Clouds		x	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 Construction
Export PTS Point Clouds		x	x	x	x	x	x	x
Export PTX Point Clouds		x	x	x	x	x	x	x
Export RCP Point Clouds (Autodesk Recap)		x	x	x	x	x	x	x
Export RINEX Format		x	x	x	x	x	x	x
Export SDMS Format		x	x	x	x	x	x	x
Export SOSI Format		x	x	x	x	x	x	x
Export Trajectory CSV File		x	x	x	x	x	x	x
Export TTM File		x	x	x	x	x	x	x
External Processing Services		x	x	x	x	x	x	x
Feature Attributes Export		x	x	x	x	x	x	x
Feature Code Processing Report		x	x	x	x	x	x	x
Geodatabase XML Exporter		x	x	x	x	x	x	x
Geoid Sub-Gridding		x	x	x	x	x	x	x
Google Earth		x	x	x	x	x	x	x
Import Blocks		x	x	x	x	x	x	x
Insert Blocks		x	x	x	x	x	x	x
Import ESRI Shapefile Format		x	x	x	x	x	x	x
Integrate Points into Geometry		x	x	x	x	x	x	x
Inverse		x	x	x	x	x	x	x
Inverse Results Report		x	x	x	x	x	x	x
Join Lines		x	x	x	x	x	x	x
Level Editor		x	x	x	x	x	x	x
Level Report		x	x	x	x	x	x	x
Line Style Manager		x	x	x	x	x	x	x
Line Type Editor		x	x	x	x	x	x	x
Local Site Settings		x	x	x	x	x	x	x
Mean Angle Report		x	x	x	x	x	x	x
Mean Angle Residuals		x	x	x	x	x	x	x
Merge Geometries		x	x	x	x	x	x	x
Merge Points		x	x	x	x	x	x	x
Mirror Objects		x	x	x	x	x	x	x
Move Objects		x	x	x	x	x	x	x
Move Survey Point		x	x	x	x	x	x	x
Name Objects		x	x	x	x	x	x	x
New Feature Spreadsheet		x	x	x	x	x	x	x
New Layer		x	x	x	x	x	x	x
New Occupation Spreadsheet		x	x	x	x	x	x	x
New Optical Spreadsheet		x	x	x	x	x	x	x
New Points Spreadsheet		x	x	x	x	x	x	x
New Vector Spreadsheet		x	x	x	x	x	x	x
Offset Line		x	x	x	x	x	x	x
Page Setup		x	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 Construction
Pipeline Attributes		x	x	x	x	x	x	x
Point Comparison Report		x	x	x	x	x	x	x
Point Derivation Report		x	x	x	x	x	x	x
Point List Report		x	x	x	x	x	x	x
Point Symbol		x	x	x	x	x	x	x
Print		x	x	x	x	x	x	x
Print Preview		x	x	x	x	x	x	x
Process Feature Codes		x	x	x	x	x	x	x
Processing Services		x	x	x	x	x	x	x
Project Computation Report		x	x	x	x	x	x	x
Publish to TCC		x	x	x	x	x	x	x
Purge Blocks		x	x	x	x	x	x	x
Quality Assurance Report		x	x	x	x	x	x	x
Related Files		x	x	x	x	x	x	x
Relayer Objects		x	x	x	x	x	x	x
Rename Points		x	x	x	x	x	x	x
Renamed Point List Report		x	x	x	x	x	x	x
Report Options		x	x	x	x	x	x	x
Rotate Objects		x	x	x	x	x	x	x
Save As Site		x	x	x	x	x	x	x
Scale Objects		x	x	x	x	x	x	x
Select by Elevation Range		x	x	x	x	x	x	x
Select Duplicate Points		x	x	x	x	x	x	x
Select Observations		x	x	x	x	x	x	x
Select Points by Vector		x	x	x	x	x	x	x
Select Unprocessed Sessions		x	x	x	x	x	x	x
Site Calibration		x	x	x	x	x	x	x
Site Calibration Report		x	x	x	x	x	x	x
Start Data Service		x	x	x	x	x	x	x
Station Panorama Exporter		x	x	x	x	x	x	x
Symbol Editor		x	x	x	x	x	x	x
Symbol Manager		x	x	x	x	x	x	x
TDX Export		x	x	x	x	x	x	x
Text Style Manager		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
Vector List Report		x	x	x	x	x	x	x
Write Features to GIS Report		x	x	x	x	x	x	x
X7 Export to TMX		x	x	x	x	x	x	x
Add Legend			x	x	x	x	x	x
Add Surface Texture			x	x	x	x	x	x
Add to Point Cloud Region			x	x	x	x	x	x
Add/Remove Surface Boundaries			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 Construction
Add/Remove Surface Members			X	X	X	X	X	X
Alignment Editor			X	X	X	X	X	X
Alignment Geometry Report			X	X	X	X	X	X
Append to Alignment			X	X	X	X	X	X
Append Tracked Line			X	X	X	X	X	X
AreaLengthCountReport			X	X	X	X	X	X
Average Points			X	X	X	X	X	X
Big Point Size			X	X	X	X	X	X
Blended Display			X	X	X	X	X	X
Change Elevation			X	X	X	X	X	X
Change Global to Local			X	X	X	X	X	X
Change Local to Global			X	X	X	X	X	X
Clip Selected			X	X	X	X	X	X
Clip Unselected			X	X	X	X	X	X
Color Regions By Elevation			X	X	X	X	X	X
Colorize Region			X	X	X	X	X	X
Convert As-Staked Point			X	X	X	X	X	X
Convert CAD Points			X	X	X	X	X	X
Convert Global to Local			X	X	X	X	X	X
Convert Local To Global			X	X	X	X	X	X
Copy Stored Cross-Section			X	X	X	X	X	X
Copy To Profile			X	X	X	X	X	X
Create Alignment			X	X	X	X	X	X
Create Alignment From a GENIO 6D String			X	X	X	X	X	X
Create Breakline			X	X	X	X	X	X
Create CAD Points from Scan Points (Scan to CAD)			X	X	X	X	X	X
Create Composite Surface			X	X	X	X	X	X
Create Contour at Elevation			X	X	X	X	X	X
Create Contours			X	X	X	X	X	X
Create Cut/Fill Map			X	X	X	X	X	X
Create Hatch			X	X	X	X	X	X
Create Horizontal Alignment Label			X	X	X	X	X	X
Create Linestring from Points			X	X	X	X	X	X
Create Planar Surface			X	X	X	X	X	X
Create Point Cloud Region			X	X	X	X	X	X
Create Points at Intervals			X	X	X	X	X	X
Create Points from CAD			X	X	X	X	X	X
Create Profile Proxy			X	X	X	X	X	X
Create Quick Contour at Elevation			X	X	X	X	X	X
Create Quick Contours			X	X	X	X	X	X
Create Stored Cross-Section			X	X	X	X	X	X
Create Surface			X	X	X	X	X	X
Create Surface Cross-Section			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 Construction
Create Surface Edge Breakline			X	X	X	X	X	X
Create Surface Elevation Grid			X	X	X	X	X	X
Create Surface Intersection			X	X	X	X	X	X
Create Surface Intersection Lines			X	X	X	X	X	X
Create Surface Profile			X	X	X	X	X	X
Create Surface Tie			X	X	X	X	X	X
Create Volume Grid			X	X	X	X	X	X
Define Corridor Strata			X	X	X	X	X	X
Densify An Alignment Based Surface			X	X	X	X	X	X
Drape Objects On Surface			X	X	X	X	X	X
Earthwork Report			X	X	X	X	X	X
Edit Alignment Labels			X	X	X	X	X	X
Edit Color Mapping			X	X	X	X	X	X
Edit Composite Surface			X	X	X	X	X	X
Edit Heatmap Colors (Finished Surface/Pavement Report)			X	X	X	X	X	X
Export GVX File Format			X	X	X	X	X	X
Export RXL Road Format from Alignment			X	X	X	X	X	X
Export RXL Road Format From Surface			X	X	X	X	X	X
Extra Large Point Size			X	X	X	X	X	X
Fillet/Chamfer			X	X	X	X	X	X
Finished Pavement Report			X	X	X	X	X	X
Finished Surface Report			X	X	X	X	X	X
Flatten Surface			X	X	X	X	X	X
Geometry Report			X	X	X	X	X	X
Get All points			X	X	X	X	X	X
Get Unused Points			X	X	X	X	X	X
Keep In			X	X	X	X	X	X
Keep Out			X	X	X	X	X	X
Label Contours By Crossing			X	X	X	X	X	X
Large Point Size			X	X	X	X	X	X
Match Properties			X	X	X	X	X	X
Measure Volume			X	X	X	X	X	X
Medium Point Size			X	X	X	X	X	X
Merge Regions			X	X	X	X	X	X
Merge Surfaces			X	X	X	X	X	X
Move/Rotate/Scale Objects			X	X	X	X	X	X
Move/Rotate/Scale Objects by Points			X	X	X	X	X	X
MSI Report			X	X	X	X	X	X
Normal Shading			X	X	X	X	X	X
Number of loaded points (display Options)			X	X	X	X	X	X
Pavement Conformance Report			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 Construction
Point Cloud Rendering Settings			X	X	X	X	X	X
Points to Surface			X	X	X	X	X	X
Points to Surface Report			X	X	X	X	X	X
REB 21.003 Volume Report			X	X	X	X	X	X
REB 21.033 Linear Surface Areas Report			X	X	X	X	X	X
REB 22.013 Prismatic Volume Report			X	X	X	X	X	X
REB 23.003 Calculation Report			X	X	X	X	X	X
REB Tools			X	X	X	X	X	X
Rebuild Alignment Labels			X	X	X	X	X	X
Rebuild Contours			X	X	X	X	X	X
Rebuild Surface			X	X	X	X	X	X
Render Point Cloud Region			X	X	X	X	X	X
Render Point Cloud Region Using Color-Coded Intensity			X	X	X	X	X	X
Render Point Cloud Region Using Gray-Scale Intensity			X	X	X	X	X	X
Render Point Cloud Region Using Region Color			X	X	X	X	X	X
Render Point Cloud Region Using Scan Color			X	X	X	X	X	X
Render Point Cloud Regions Using Color by Elevation			X	X	X	X	X	X
Render Point Cloud Regions Using True Color			X	X	X	X	X	X
RenderByBlendedIntensity			X	X	X	X	X	X
Rendering Settings			X	X	X	X	X	X
RenderPointCloudSwitch			X	X	X	X	X	X
Restore All			X	X	X	X	X	X
Restore Region			X	X	X	X	X	X
Sample Point Cloud Regions			X	X	X	X	X	X
Sample Point Clouds			X	X	X	X	X	X
Select Similar			X	X	X	X	X	X
Set Line Elevation			X	X	X	X	X	X
Shrink 3D Faces			X	X	X	X	X	X
Small Point Size			X	X	X	X	X	X
Standardize Layers			X	X	X	X	X	X
Stored Cross-Section Editor			X	X	X	X	X	X
Surface Information Report			X	X	X	X	X	X
Swap Surface Triangles			X	X	X	X	X	X
Switch Point Size			X	X	X	X	X	X
Track Region Outline			X	X	X	X	X	X
Trim Surface Edge			X	X	X	X	X	X
Trim/Extend Lines			X	X	X	X	X	X
Trimble Access Roads Strings			X	X	X	X	X	X
Trimble Access Roads RXL Templates			X	X	X	X	X	X
About Quadri				X	X	X	X	X
Add/Remove Image Boundaries				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 Construction
Add Reference File				x	x	x	x	x
Adjust Network				x	x	x	x	x
Adjust Traverse				x	x	x	x	x
ALTA/NSPS Allowable Relative Tolerance Report				x	x	x	x	x
Baseline Processing Report				x	x	x	x	x
Capture 3D				x	x	x	x	x
Capture Image				x	x	x	x	x
Clear Adjustment Results				x	x	x	x	x
Clear Processing Results				x	x	x	x	x
Clear Site Calibration				x	x	x	x	x
Clear Task - Quadri				x	x	x	x	x
Clear Traverse Adjustment Result				x	x	x	x	x
Copy View To Clipboard				x	x	x	x	x
Create Angular Dimensions				x	x	x	x	x
Create Custom Report				x	x	x	x	x
Create Leader Lines				x	x	x	x	x
Create Line Label Table				x	x	x	x	x
Create Linear Dimensions				x	x	x	x	x
Create Point Label Table				x	x	x	x	x
Create Polygon Label Table				x	x	x	x	x
Create Task - Quadri				x	x	x	x	x
Dimension Style Manager				x	x	x	x	x
Disable Baselines				x	x	x	x	x
Disable Sessions				x	x	x	x	x
Disable Trajectories				x	x	x	x	x
Edit Custom Report				x	x	x	x	x
Edit Dimensions				x	x	x	x	x
Edit Label Table				x	x	x	x	x
Enable Baselines				x	x	x	x	x
Enable Sessions				x	x	x	x	x
Enable Trajectories				x	x	x	x	x
Find and Replace				x	x	x	x	x
Flip an Azimuth Bearing Label				x	x	x	x	x
Force Continuous				x	x	x	x	x
Georeference Image				x	x	x	x	x
Georeference Vector PDF				x	x	x	x	x
GNSS Loop Closure				x	x	x	x	x
GNSS Loop Closure Results Report				x	x	x	x	x
Import Vector PDF Data				x	x	x	x	x
Insert Image				x	x	x	x	x
Internet Download				x	x	x	x	x
Label Lines				x	x	x	x	x
Label Points				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 Construction
Label Polygons				X	X	X	X	X
Label Style Manager				X	X	X	X	X
Label Table Style Manager				X	X	X	X	X
Labelling Scale Factor				X	X	X	X	X
Map Objects				X	X	X	X	X
Network Adjustment Report				X	X	X	X	X
New Time-Based View				X	X	X	X	X
Pavement Conformance Report (Advanced)				X	X	X	X	X
Place Image				X	X	X	X	X
Process Baselines				X	X	X	X	X
Quadri Settings				X	X	X	X	X
Receive from Quadri				X	X	X	X	X
Select Task - Quadri				X	X	X	X	X
Send to RTX-PP				X	X	X	X	X
Send to Quadri				X	X	X	X	X
Session Editor				X	X	X	X	X
Show Map				X	X	X	X	X
String Report				X	X	X	X	X
Swap Label Sides				X	X	X	X	X
Toggle Background Map				X	X	X	X	X
Traverse Adjustment Report				X	X	X	X	X
Best-Fit Line					X	X	X	X
Build Sheets					X	X	X	X
Camera Calibration					X	X	X	X
Camera Calibration Check Report					X	X	X	X
Combine Surfaces					X	X	X	X
Copy to Sheet					X	X	X	X
Corridor Definition Report					X	X	X	X
Corridor Earthwork Report					X	X	X	X
Create 3D PDF					X	X	X	X
Create COGO					X	X	X	X
Create Corridor					X	X	X	X
Create Corridor Surface					X	X	X	X
Create Custom Sheet					X	X	X	X
Create Dynaview					X	X	X	X
Create Dynaview Boundary Collection					X	X	X	X
Create Linestring from Point Cloud					X	X	X	X
Create Plan Set					X	X	X	X
Create Points at Station Offsets					X	X	X	X
Create Point Cloud (non-Aerial)					X	X	X	X
Create Projected Surface					X	X	X	X
Create Quick Profile					X	X	X	X
Create Radial Surface					X	X	X	X



Blue text denotes new or enhanced v2023.1 features.

Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Create Rectified Image					x	x	x	x
Create Scale Bar					x	x	x	x
Create Shareable Slope Table					x	x	x	x
Create Sheet Set					x	x	x	x
Create Side Slope					x	x	x	x
Create Sub-Template					x	x	x	x
Create Surface From Reference File					x	x	x	x
Create Tunnel Inspection Map					x	x	x	x
Define Depth Plane					x	x	x	x
Delete Dynaview Boundary Collection					x	x	x	x
Divide Area					x	x	x	x
Double Proportioning					x	x	x	x
Double Proportioning Report					x	x	x	x
Drafting Templates					x	x	x	x
Dynaview Collection					x	x	x	x
Edit Corridor					x	x	x	x
Edit Corridor Template					x	x	x	x
Edit Dynaview Boundary Collection					x	x	x	x
Edit Shareable Slope Table					x	x	x	x
Edit Sheet Set					x	x	x	x
Explode Dynaview Grid					x	x	x	x
Explode Surface					x	x	x	x
Flight Mission Exporter					x	x	x	x
Grid Style Manager					x	x	x	x
Group Photo Stations					x	x	x	x
History Log View					x	x	x	x
Import MXDB Database					x	x	x	x
Insert Corridor Template					x	x	x	x
Legal Description Writer					x	x	x	x
Macros					x	x	x	x
Manage Material Layers					x	x	x	x
Manage Template Node Names					x	x	x	x
Manual Camera Calibration					x	x	x	x
Manual (MX7) Camera Calibration					x	x	x	x
Map Check Report					x	x	x	x
Mapillary Panorama Exporter					x	x	x	x
Measure Photo Point					x	x	x	x
Merge Survey Projects					x	x	x	x
MX9 Export to Solv3D					x	x	x	x
New Block Edit View					x	x	x	x
New Photo Point Spreadsheet					x	x	x	x
New Sheet View					x	x	x	x



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Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Offset Surface					X	X	X	X
Optimize Surface Report					X	X	X	X
Print Plan Set					X	X	X	X
Process Panoramas					X	X	X	X
Reproject Surface					X	X	X	X
Roughness Index Report					X	X	X	X
Select Point Cloud By Boundary					X	X	X	X
Shrink Wrap					X	X	X	X
Single Proportioning					X	X	X	X
Single Proportioning Report					X	X	X	X
Station Offset Elevation Report					X	X	X	X
Superelevation Diagram					X	X	X	X
Superelevation View					X	X	X	X
Terrestrial Bundle Adjustment Report					X	X	X	X
TopoDOT Export - Mobile Mapping Data					X	X	X	X
Transform Survey Points					X	X	X	X
Transform Survey Points Report					X	X	X	X
Trimble MX Cubical Exporter					X	X	X	X
Trimble MX Panorama Exporter					X	X	X	X
Virtual DR					X	X	X	X
XML Horus Exporter					X	X	X	X
Apply Surface Site Improvement						X	X	X
Create Machine Data Overlay						X	X	X
Create Machine Data Surface						X	X	X
Create Points from Spot Elevations						X	X	X
Create Subgrade Surface						X	X	X
Create Uncompacted PCS Surface						X	X	X
Create Vertical Design						X	X	X
Detailed Cell Viewer						X	X	X
Edit Machine Data						X	X	X
Edit Vertical Design						X	X	X
Edit/View Machine Data Overlay						X	X	X
Elevate Contour						X	X	X
Elevate Contours by Crossing						X	X	X
Elevate Contours by Label						X	X	X
Elevate Lines						X	X	X
Elevate Pads						X	X	X
Map Layers						X	X	X
Project Cleanup						X	X	X
Variable Offset Line						X	X	X
Add/Remove Members to Station/Offset View							X	X
Analyze Earthwork Balance							X	X



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Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Archive Mass Haul							X	X
Boring Log Report							X	X
Build Takeoff Surfaces							X	X
Categorize Takeoff Layers							X	X
Compute Region Volume							X	X
Configure Subgrade Adjustments							X	X
Convert to Haul Road							X	X
Create Boring Log							X	X
Create Boundary by Site Improvement							X	X
Create Corridor Boring Log							X	X
Create Earthworks Site							X	X
Create Haul Road							X	X
Create Site Mass Haul Analysis							X	X
Create Stored Cross-sections from CAD Drawings							X	X
Custom Takeoff Report							X	X
Customize Digitizer Button Profiles							X	X
Define Areas of Interest							X	X
Define Site Materials							X	X
Define Strata							X	X
Define Topsoil Stripping Areas							X	X
Digitize Contour							X	X
Digitize Cross-section							X	X
Digitize Linestring							X	X
Digitize Pad							X	X
Digitizer Setup							X	X
Earthwork Summary							X	X
Edit Boring Log							X	X
Edit Corridor Boring Log							X	X
Edit Site Mass Haul Analysis							X	X
Export Site Mass Haul Plan VCL File							X	X
Identify Site Regions							X	X
Mass Haul Balance View							X	X
Mass Haul Editor							X	X
Material Processing Report							X	X
Name/Label Site Regions							X	X
New Station/Offset View							X	X
Overexcavation							X	X
Refresh Mass Haul Analysis							X	X
Site Mass Haul Report							X	X
Takeoff Report							X	X
Track Cross-Section							X	X



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Workflow / Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Use Excess Topsoil							x	x
Validate Site Improvement Areas							x	x
Auto-Balance Mass Haul								x
Auto-Balance Mass Haul for All Materials								x
Balance Line Report								x
Balance Mass Haul at Grade Point								x
Check Intersection Geometry								x
Clear Mass Haul Balances								x
Corridor Mass Haul Diagram								x
Corridor Mass Haul Report								x
Create Corridor Mass Haul Analysis								x
Create Cul-de-Sac								x
Create Haul Range								x
Create Intersection								x
Create Mass Haul Barrier								x
Create Mass Haul Export								x
Create Mass Haul Import								x
Edit Zone Naming Settings								x
Export Mass Haul Plan								x
Export TILOS Mass Haul XML File								x
Load Intersection Template								x
Paste Properties								x
Save Intersection Template								x
Select Child Lines								x



Command Matrix

Trimble Business Center v2023.1 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
Adjust Photo Stations (with GCP's)	x									
Advanced UAS	x									
Create Deliverables	x									
Create Orthomosaic	x									
Create Point Cloud (Aerial)	x									
Create Raster DSM	x									
Flight Mission Adjustment Report	x									
Import UAS Data	x									
Merge Flight Missions	x									
Open UASMaster	x									
Send to UASMaster	x									
senseFly eMotion Exporter	x									
3D Objects From Surface		x								
3D Objects From Polygon		x								
ADAC Exporter		x								
ADAC Settings v4.2 + v5.01		x								
Adjust Polyline with Bowditch		x								
Annotate Objects		x								
Browse for Import File		x								
Check Line Deflection		x								
Convert to CAD Points		x								
Convert to Horizontal Linestring		x								
Convert To Linestring		x								
Convert to Multiline Text		x								
Create 3D Utility Chambers		x								
Edit 3D Utility Chambers		x								
Edit Linestring Elevation		x								
Explode Corridor Mass Haul		x								
Export 12da File (Advanced)		x								
Export ADAC v4.2 + v5.01		x								
Find and Replace Points		x								
Footing Adjust		x								
Import 12d Color File		x								
Import 12da File (Advanced)		x								
Import ADAC v4.2 + v5.01		x								
Insert Alignment Table		x								
Insert/Delete Nodes		x								
Insert Excel Table		x								
Insert Legend Table		x								
Insert Vertices From Points		x								
Inspect Line Nodes		x								
Line Node Cleanup		x								



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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
Map Objects		x								
Measure Chainage/Offset		x								
Measure Geometry		x								
Measure Perpendicular		x								
Measure Surface		x								
Measure XFall		x								
Move Line		x								
Pavement Conformance Report (Advanced)		x								
Point Conformance Report		x								
Points From Chainage Offset		x								
Regroup Layers		x								
Remove Duplicates		x								
Rename Layers		x								
Rename Objects		x								
Reorder By Proximity		x								
Reorder By Selection Order		x								
Reverse Lines		x								
Set Line Direction		x								
Set Point Description		x								
Set Sewerage Connection Attributes v4.2 + v5.01		x								
Set Vertex Text		x								
Show Line Direction Options		x								
String Conformance Report		x								
Surface Area Report Tool		x								
Unlink Linestrings		x								
Utilities Autodraft		x								
Utility Conformance Report		x								
Utility Node To BIM Object		x								
Validate ADAC		x								
Add Drill Hole to Drill Plan			x							
Blow Count Report			x							
Change Pile ID			x							
Create Drill Plan			x							
Create Dynamic Compaction Plan			x							
Create Manual Drill Plan			x							
Create New Version			x							
Create Pile			x							
Create Pile Plan			x							
Create Piles at Points			x							
Drill Hole Quality Report			x							
Dynamic Compaction Quality Report			x							



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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
Edit Drill Plan (and Rebuild)			x							
Edit Pile Types			x							
Export DPS900 Drill Plan			x							
Export DPS900 Dynamic Compaction Plan			x							
Export DPS900 Pile Plan			x							
Generate As-Drilled Points			x							
Generate Design Points			x							
IREDES Drillplan Exporter			x							
Manage Pile Types			x							
Piling Quality Report			x							
Rebuild Drill Plan			x							
Rebuild Pile Plan			x							
Select Hole by ID			x							
Add GIS Connection				x						
Export ESRI File Geodatabase				x						
Get GIS Schema				x						
GIS Connection Manager				x						
Import .cor Files				x						
Import ESRI File Geodatabase				x						
Import SSF Files				x						
Map Metadata				x						
Read Features from GIS				x						
Remove GIS Connection				x						
Write Features to GIS				x						
Add New Project					x					
Batch Register Run to Run					x					
Execute Batch					x					
Export Mobile Mapping Calibration					x					
Export MX50 to Solv3D					x					
Export MX50 to TMX					x					
Export MX50 to TopoDOT					x					
Export Project Parameters					x					
Extract Classified Point Cloud Regions					x			x		
Generate PFI					x					
Generate Scans					x					
Import Mobile Mapping Calibration					x					
LAS Export with Timestamp					x					
Mobile Mapping Report					x					
Open Batch File					x					
Process RAW Trajectory Data					x					
Register Mobile Mapping Scans					x					



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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
Show Batch Report					x					
Split Run					x					
Update Scans					x					
MX9 Laser Correction (in Mobile Mapping Generate Scans command)						x				
Assign Monitoring Project							x			
Create Monitoring Points							x			
Monitoring Epochs Manager							x			
Monitoring Points Spreadsheet							x			
Show Monitoring Chart							x			
Show Monitoring Report							x			
Sync Monitoring Project							x			
Advanced Point Cloud Filtering								x		
Alignment Geometry Report								x		
Ambient Shading Display								x		
Create High and Low Point								x		
Create Orthophoto								x		
Create Scan Station								x		
Enhanced Ambient Shading Mode								x		
Extract Classified Point Cloud Regions								x		
Extract Cross-sections From Point Cloud								x		
Extract Geometry								x		
Extract Line Feature								x		
Extract Point Feature								x		
Extract Stockpile								x		
Drape Objects on Point Cloud								x		
Filter Point Cloud								x		
Georeference Scan								x		
Import FLS Scan Files								x		
Import TZF Scan Files								x		
Intensity Based Filtering								x		
Measure Overhead Line Clearance								x		
Measure Vertical Clearance								x		
No Shading Display								x		
Normal Shading Display								x		
Outline Visibility Mode								x		
Point Cloud Region Classifier (Classify Point Clouds)								x		
Point Cloud Smart Picking								x		
Scan Georeferencing								x		
Scan Inspection								x		
Scan Refinement Report								x		



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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
Scan Registration								x		
See Inside Visibility Mode								x		
Add/Remove As-Built Tunnel Mesh Members									x	
Add Tunnel Shape Template									x	
Assign Tunnel As-Built Points									x	
Assign Tunnel Convergence Points									x	
Copy Tunnel									x	
Create As-Built Tunnel Mesh									x	
Create CAD Tunnel Cross-Sections									x	
Create Designed Tunnel Mesh									x	
Create Tunnel									x	
Create Tunnel Alignment									x	
Create Tunnel Corridor									x	
Create Tunnel Inspection Map									x	
Create Tunnel Inspection Points									x	
Create Tunnel Shape									x	
Create Tunnel Shape From CAD									x	
Create Tunnel Template									x	
Create Tunnel Undulation Report									x	
Edit Horizontal Tunnel Offset									x	
Edit Set Outs									x	
Edit Tunnel Rotation									x	
Edit Tunnel Shape									x	
Edit Vertical Tunnel Offset									x	
Export SCS900 Tunnel XML File									x	
Export TXL									x	
Extract Classified Tunnel Regions									x	
Import TXL									x	
Rebuild As-Built Tunnel Mesh									x	
Select Tunnel Points									x	
Tunnel As-Built Report (with best-fit circle)									x	
Tunnel ASCII Report									x	
Tunnel Convergence Report									x	
Tunnel Inspection Report									x	
Tunnel Inspection View									x	
Tunnel Set Outs As-Built Report									x	
Tunnel View									x	
Create Pipe										x
Create Trench Surface										x
Create Utility Line										x



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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
Create Utility Network										x
Create Utility Node										x
Create Utility Run										x
Edit Trench Template										x
Edit User-Defined Utility Shape										x
Edit Utility Run										x
Insert Trench Template										x
Insert Utility Node										x
Reverse Utility Run										x
Trench Template Manager										x
Utility Takeoff Report										x

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