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Trimble Access Version 2025.10

What's new in the latest version of Trimble Access April 2025

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Resection mprovements

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Faster, simpler resections



Auto - Resection

Now when doing a resection you don't need to know the point names of your targets.

Auto resection automatically matches the observation with a point in the job or linked file.





Sometimes with lots of points in the job, there can be many different solutions.

Use the **Solution** softkey to cycle through the solutions and review them in the map alongside the Resection - Residuals.

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Resection - Residuats

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Note the graphics updating as you scroll through the solutions.

If you know the name of one of the points, highlight one of the observations and then tap **Details** and enter the name of the point.





If you know the name of one of the points, highlight one of the observations and then tap **Details** and enter the name of the point.





If you do not know the names of any of the points, tap **+ Point** to add another observation.





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Additional Resection improvements



We have also made the following improvements for all resections:

• Point number and face number is now shown in the measurement form.

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- The map now appears alongside the **Resection Residuals** form.

Resection observations are shown in the map in yellow, and the calculated station is shown as a solid yellow circle.

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The Backsight check box has been renamed to Foresight only.
 Station Setup Plus has the same change.

Measurement and Data Collection Improvements

Measure codes improvements for faster, simpler line creation & editing



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Creating lines from existing and measured points



Trimble Access has a new easier way of creating linework which gives more flexibility when working with lots of different line strings.

The new method gives more flexibility when creating lines.

 You can use a combination of measuring new points to add to the line or selecting existing points to add to the line.

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The new method gives more flexibility when creating lines.

- You can use a combination of measuring new points to add to the line or selecting existing points to add to the line.
- This makes it really easy to close a line, simply tap the start point of the line to close.

Measure codes Adding and removing points



If you miss a point or need to insert a point into an existing line then simply select the line and the point you would like to insert, tap and hold on the map and then tap Insert point.



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Measure codes Adding and removing points



If you miss a point or need to insert a point into an existing line then simply select the line and the point you would like to insert, tap and hold on the map and then tap Insert point.

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Similarly if you need to remove a point from a line, select the point and the line you would like to remove it from, tap and hold in the map and select **Remove point**.

Measure codes New method vs old method

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Lines and codes

Store polylines with codes on lines

Creates rich linework defined in the FXL for polylines and polygons stored in the current job with the code stored with the line or polygon code. Polylines and polygons can be easily created using both existing points and newly measured points. Points can be easily inserted or removed from polylines and polygons. DXF files can be exported from Trimble Access with symbols and linework. Polylines and polygons will import into Trimble Business Center.

Esc Accept

This new method creates polylines in the job, rather than using codes, control codes and stringing to draw linework. The new method does not put line codes on points.

Set this method at the feature code library level.

We suggest you use the new polyline method if you want a simple, flexible, linework and your downstream processing workflow does not require feature code processing.

Continue to use the existing feature code method if you want more complex line features like arcs curve and control codes and your office workflows require the processing of feature codes.



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We are doing a cadastral survey and we have already collected some points along the roadside.

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In this case we want to highlight the parcel feature to start creating one.

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We can then simply tap the existing points to start creating the feature. For the points not measured yet, I can just walk to the right location and tap the code button or measure and it adds the measured point to the parcel.



Tap the New line button to start a new line and now I can do the same thing to create the second parcel. I'll tap around the existing points and tap Measure to create this last point.



Tap the New line button to start a new line and now I can do the same thing to create the third parcel, I'll tap around the existing points and tap Measure to create this last point.





What I have done is create a new point that should be part of the previous boundary. I can select the other parcel and the point I would like to add and insert it.



Editing polylines and polygons

Lines and attributes now easily copied into job







Edit points, polylines, and polygons in the Trimble Access job from:

• DXF, ESRI Shapefiles, KML or KMZ file or from a Web Feature Service.

Select and copy them into your job:

- 1. Select the items in the map
- From the tap and hold menu select Create from selection. Attributes for the selected items are also copied into the job.

Once the points, polylines, and polygons are created in the job you can use them for stakeout and Cogo functions as usual.



- To **insert** a point into a polyline, select the point and the polyline in the map.
- Tap and hold on the polyline near the segment where you want to insert the point, and then select **Insert point**.
- To remove a point from a polyline, select the point in the map, and then from the tap and hold menu select Remove point.



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Shapefile Export

Now includes Lines, Arc, Polylines and PRJ



Shapefile Export

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ESRI Shapefiles	•		urvey 160425.shp		
View created file Include points		Coordinates Grid	•		
Esc				Accept	

ESRI Shapefile export improvements

- Now exports lines, arcs, polylines & PRJ
- One set of Shapefiles is written: (.shp, .shx, .dbf, .prj)
 - per object type (points, lines, arcs, polylines)
 - per feature code used
- Select the **Zip files** check box to zip all files







Compute centerline for hexagonal bolts in BIM models

IFC centerline creation improvements



Compute centerline for hexagonal bolts in BIM models



The Compute centerline Cogo function can now compute a centerline for a common representation of hexagonal bolts in BIM models.

06 Taped distances now supports angled sides

Additional workflow improvements to Taped distances



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Taped distances now supports angled sides



You can now add sides that are not at a right angle to the previous side. Three methods to define direction:

• Right angle

if the next side will be at 90° to the left or right of the previous side.

Taped distances now supports angled sides



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Three methods to define direction:

• Right angle

if the next side will be at 90° to the left or right of the previous side.

• Key in angle

to key in the required angle for the next side.

Taped distances now supports angled sides



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Three methods to define direction:

• Right angle

if the next side will be at 90° to the left or right of the previous side.

• Key in angle

to key in the required angle for the next side.

• Along and across

if the next side will be at any angle that is not 90° to the left or right of the previous side.

Status line displays icon for the current prism type

Gives you confidence you are using the correct prism



Status line icon matches current prism



The target icon shown in the status bar now reflects the type of target selected in the Targets screen.



When Autolock is enabled and the instrument is locked to the target a padlock icon is displayed in addition to the prism icon.

When the instrument is not locked a red flashing halo is displayed around the prism icon.

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Roads

More flexibility and adaptability during stakeout



Strings and Surfaces: Nearest String



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Stakeout Nearest String

When staking from strings and surfaces you can now select **To the nearest string** allowing you to navigate to the closest string to your current position.

This makes it easy to work with complex road designs and provides a seamless stakeout workflow.

Stakeout Relative Stations



Staking stations relative to a selected start station

When staking stations using the Relative method, you can now define a custom start station.

This is available in General Survey and Roads for lines, polylines, and alignments.

This provides flexibility to start station intervals from any station.



Station interval lines = 10m Station interval arcs = 10 m



Relative (to starting station)



Station interval lines = 10m Station interval arcs = 10 m



Relative (to any station)



Tunnels

Improved usability and confidence in the field



Simplified input for set out positions

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Esc	Add	Insert	Delete	Accept	Сору	Import	Edit

Set out positions

The set out positions form has been redesigned to simplify data input making it easier to define and verify positions:

- Station range group box organises the Start and End Station Fields and includes a description
- A single method column in the table

Use this in combination with the 3D View of set out positions for more confidence in the field.

Overbreak and Underbreak detlas



Stakeout Deltas

Overbreak and Underbreak deltas are now available when staking to the tunnel alignment or staking to a station on the tunnel alignment.

Previously this was only available as an option during Position in Tunnel.

This provides more information on conformance during the stakeout process.

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