



ANZ Toolbox

Release Notes

Version 24.0.2620.0 (22/07/2024)

Updates:

- 12da Export
 - Minor fixes and updates to attribute writing and handling of closed strings.
- Annotate Objects
 - Made it so feature attributes on unprocessed points can now be read.
- Convert to Linestring
 - Will now convert “pipe” strings to linestrings.
 - Will copy any 12d attributes found on line data to the converted linestring.
- Attribute Editor
 - Add the use of placeholders when modifying attribute values. This allows for things like the elevation from a point to be added as an attribute value easily. You can type in the placeholder text or right click in in the value box and choose from a list.
 - Add object filter which allows you to filter by name and multiple attributes to narrow the selection.
- ADAC
 - Added an ADAC html report option when exporting the XML file. This creates and easy to read html with all the objects and their attributes listed.
 - Added the FXL file **ADAC_TBC_V501_SUPP** to be stored in “C:\Program Files\Sitech Construction Systems” with the other ADAC FXL files. More information about ADAC can be found at <https://help.tbcanz.com/hc/en-au/articles/21376225956633-Using-ADAC-in-TBC>

New:



Segment Count

- The Segment Count command allows you to count the total number of horizontal segments in the selected lines. This is useful for checking the segment numbers of avoidance zone polygons which have a maximum number allowed in Earthworks machines.



3D Object from Shape

- The Extrude from Shape command enables you to select a closed polygon and extrude it along a control line. Options exist to create cross section strings, longitudinal strings and 3d shells which can be used for setting out or as-built models.



3D Object from Lines

- The Extrude from Lines command enables you to select a group of lines to be used to form a shape and extrude it along a control line. Options exist to create cross section strings and 3d shells which can be used for setting out or as-built models.



Match 12d Attributes

- The Match 12d Attributes command allows you to select a source object containing 12d attributes and match (copy) them to target objects.



Adjust Level by Attribute

- The Adjust Level by Attribute command allows you to use the attribute values of points and linestrings to adjust their level. This will also work on points prior to processing their feature codes.



Array

- The Array command allows you to make copies of objects using various array methods. This is a simple way to propagate objects in different geometric patterns, from simple grids to laying out guard rail posts along a road.

Version 24.0.2470.0 (7/05/2024)

Updates:

- Rename Objects
 - Add new placeholder for 12d attributes.
- Map Objects
 - Add new filter option to use either feature attributes or 12d attributes.
- Annotate Objects
 - Add new placeholder for 12d attributes.
 - Add new filter option to use either feature attributes or 12d attributes.
- Utilities Auto Draft
 - Add new filter option to use either feature attributes or 12d attributes.
- Create Best Fit Circle
 - Add new graphical preview to display point deltas to created circle.
- Measure Surface
 - Add an "Invert Delta" check box to reverse the sign of the reported deltas.
- Measure Geometry
 - Add selection for pipe justification if a pipe string is selected.
- Measure XFall
 - Add selection for pipe justification if a pipe string is selected.

- Surface Area Report Tool
 - Add ability to draw the shaded area polygons to a layer to match the visualisation shading to enable them to be added to a plan.

New:



Explode Lines

- The Explode Lines command enables you to explode any linework into either all segment elements or segments based on user defined deflection angle. *This command is licenced to Survey Intermediate.*



Slope-Slope Intersection

- The Slope-Slope Intersection command enables you to create new 3D lines at the intersection of two slopes defined by two pairs of lines, with or without vertical or perpendicular offsets. This tool is great for creating subgrade strings at batter intersections. *This command is licenced to Survey Intermediate.*



Offset Slope

- The Offset Slope command enables you to create a new 3D line at an offset and elevation difference to a pair of lines or Ref line with nominated slope. The elevation of the new line is computed by extending the slope defined by the pair of lines and applying the elevation difference required. This tool is great for extending pavement or subgrade strings. *This command is licenced to Survey Intermediate.*



Delete Layers

- The Delete Layers command enables you to clean and/or delete populated layers without the need for them to be empty of objects.



Adjust Area

- The Adjust Area command enables you to place a new line or polygon that creates a boundary area equal to a value specified. It requires a selection of at least three source lines and a reference line to calculate.



Attribute Editor

- The Attribute Editor command allows you to edit, add or delete “feature attributes” and “12d attributes” on existing objects in TBC. This a flexible way to change current attribution on objects and add “12d attributes” to new objects.



ABC Find and Replace Text

- The Find and Replace Text command allows you to perform a simple search and replace of text objects and add a prefix and/or suffix to existing text.



ABC Explode Text

- The Explode Text command enables you to explode any Text item into linework. This allows for better presentation and export for some 3rd party packages.



Surface Cleanup

- The Surface Cleanup command allows you to optimise surface geometry by averaging nearby vertex positions or holding original ones and removing ones that fall within tolerance. This can remove small, unrequired triangles from the surface and build a new one which improves performance and results.

Note: To see the new commands on the ANZ Toolbox ribbon you may need to “Reset to Defaults” under “Support => Set Ribbon Tabs”. If you have a customised ribbon, then just add them manually.