



ANZ Toolbox

Release Notes

Version 5.9.2095.0 (9/08/2023)

Updates:

- Conformance Reports
 - Add the ability to use design linework from Reference files in TBC. Anywhere this line selector is used, if you press the “Ref” button it will allow you to select Referenced linework to calculate from. To clear the selection, you will need to press the “Ref” button again and hit “Cancel”.



- Utility & String Conformance Reports
 - Add option to “Align text square to line” when using the visualization reporting.
- Find & Replace Points
 - Added an auto zoom function when using the “Find Next” and “Find Previous” buttons.
- Create Slope Markers
 - Updated command to support more line types and enhanced the geometry support.

Version 5.9.2038.0 (29/06/2023)

Updates:

- Conformance Reports
 - Add the ability to customise the data prefixes for visualisation and add leader lines when applying a text gap.
- 12da Import/Export
 - Improved importer to remove duplicate attributes off lines and points during import.
- Inspect Line Nodes
 - Add "Slope Dist" reporting for segments and line to the table and visualisation text output.

New:



Create XLines

- The Create Xlines command enables the user to select a control line or alignment and create perpendicular lines at nominated intervals and user defined locations. Nominate the width of the XLine either side of the control line.



Explode 3D Objects

- The Explode 3D Objects command enables the user to select 3d solid objects and explode them into component lines and points. The command breaks them into top, bottom, and vertical side objects on separate layers so that the data can be used as source data for surface models.



Create Slope Markers

- The Create Slope Markers command enables the user to select a control line and two other lines, generally the top and toe of an embankment and create markers between them perpendicular to the control line at nominated intervals.



Convert to Polygon

- The Convert to Polygon command allows the user to convert closed CAD polylines and Linestrings into Polygons. This command will convert horizontal and vertical arc data to straight line segments in the process.

Version 5.9.1950.0 (24/05/2023)

Updates:

- General
 - Speed up some line commands.
 - Fix problem which required the undo button to be hit twice for some commands.
- 12da Import/Export
 - Add 12d attribute import and export for Trimesh objects from 12da files.
 - Updates to improve the 3d object export as Trimesh.
 - Add Surface prefix option in the import pane for importing 12da files.
 - When importing 12d Trimesh objects they now populate the "BIM Data" file structure viewable in the project explorer.
 - Added support for Closed Super Alignments.
 - Added import of 12d super tins as a composite surface. This requires the 12da file to also contain the tin models that the super tin is made from and may slow the import down if processing large surfaces.
 - Improved the export of instrument and quality data for GNSS and TPS observations as attributes when using the "Export Obs Data as attributes" option. These attributes are grouped under the "Field Data" attribute group for each point in 12d.
- Point Conformance Report
 - Add point "Description" reporting option to the excel report.
- Insert Vertices from Points
 - Add option to "move" the existing point rather than create a new one when using the "Insert" mode.
- Measure Surface
 - Add surface slope reporting to the data reported and text prefixes.

- Add text orientation for line mode.
- Measure Chainage/Offset
 - Add “extend” option to the line mode.
 - Add text display options.
- Map Objects
 - Add Layer Group mapping option.

New:



Insert Legend Table

- The Insert Legend Table command enables the creation of legend tables for hatches, line styles and symbols using the definitions setup in an associated Feature Library. Select data from the project view and create a table containing one of each type displayed in plan view.



Set Point Description

- The Set Point Description command allows the user to set the description fields of points using their own extended feature property values.



Convert to Linestring

- The Convert to Linestring command allows the user to convert alignments, polylines, and CAD line objects into Linestring objects. Also, able to remove UCS (User Defined Coordinate Systems) from imported CAD objects or from objects created using the Cutting Plane View in TBC.



3D Object From Polygon

- The 3D Object From Polygon command enables you to select one or many closed linestrings to apply a depth and/or polygon offset against and create 3d solid objects.



3D Object From Surface

- The 3D Object From Surface command enables you to select a surface and apply a depth and/or surface offset against it. No boundary is required, however one or many closed boundary strings can also be applied to create a 3d solid object.



Footing Adjust

- The Footing Adjust command allows the user to select lines that make up the edge of a footing or structure and extend them to intersect each other, while also being able to adopt a height from the nearest point to use in the corners of the footing as elevation.



Measure Geometry

- The Measure Geometry command allows the user the ability to select a line or point as a base, then select points/nodes to calculate various measurements such as, chainage, offset, delta elevation, grade, azimuth, vertical angle, slope from zenith and distance. Annotate results to a text layer and/or create an excel report.



Inspect Line Nodes

- The Inspect Line Nodes command allows the user the ability to select a line and report the elevation, chainage, azimuth, and grades for all the nodes along the line. Annotate results to a text layer and/or create an excel report.