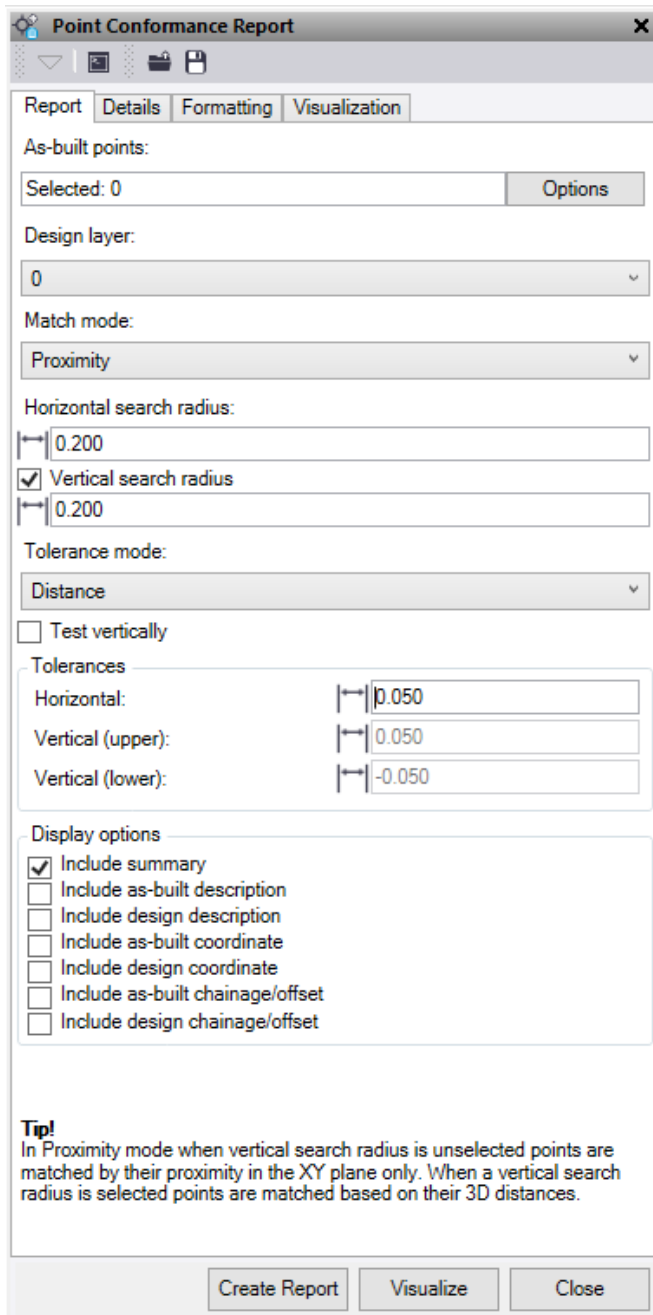Point Conformance Report

## Command Description

The Point Conformance Report command is for reporting as-built points against a design point such as piles, columns, boreholes, bolts etc. The command gives reporting method options such as tolerance mode and allows text detailing the tolerances to be created using the visualize function.



At the top of the command pane there is the ability to **load** and **save** a tolerance setting file. Once you have populated the command with the appropriate tolerances and settings for a report you can save it in a file that can be reloaded in the future.

## Report tab

| | |
|---|---|
| **As-Built Points** | Select the as-built points to use in the report. |
| **Design Layer** | Select the layer that contains the design points to report against. |
| **Match mode** | Select the method to use to match the design points with the as-built points<br><br>• **Proximity** – This will use the location of the as-built point and find the closest design point to compare it with. This uses a **Horizontal search radius** and optional **Vertical search radius** to confine the point selection. If the vertical search radius is unselected points are matched by their proximity in the XY plane only. When a vertical search radius is selected points are matched based on their 3d distances.<br>• **Id_Exact** – This will match as-built points and design points with the same point ID.<br>• **Id_Closest** – This will match as-built points and design points that have point ID's which are the named the most similar. eg. P226 and P226_Asbuilt would match. |
| **Tolerance Mode** | Select the mode to use to report with.<br><br>• **EastingNorthing** – This reports the delta relative to its easting and northing difference between points.<br>• **Distance** – This reports the delta relative to a direct 2d distance between points.<br>• **ChainageOffset** – This reports the delta chainage and offset relative to a line. |
| **Test Vertically** | Check this to report horizontal and vertical deltas. If unchecked only horizontal is reported. |
| **Tolerances** | Enter a tolerance value in metre units appropriate for the mode used. |
| **Include summary** | Check this box to add the header summary and information from the details tab. |
| **Include as-built description** | Check this box to add the information stored in the description 1 & 2 of the as-built point selected. |
| **Include design description** | Check this box to add the information stored in the description 1 & 2 of the design point selected. |
| **Include as-built coordinate** | Check this box to add the point as-built coordinate to the report. |
| **Include design coordinate** | Check this box to add the point design coordinate to the report. |
| **Include as-built chainage/offset** | Check this box to add the point as-built chainage & offset to the report. (Only works if you are using the "ChainageOffset" mode) |
| **Include design chainage/offset** | Check this box to add the point design chainage & offset to the report. (Only works if you are using the "ChainageOffset" mode) |

## Details tab

| Title | Enter a title for the report (for example, the project name). |
|---|---|
| Custom image file | Select a "png" or "bmp" image file to be added to the top right corner of the report. E.g., company Logo or project image. This only appears if you have a *Title* filled out. |
| Description | Enter a description for the report. |
| Reference number | Enter a survey job reference number. |
| Author | Enter the name of the report's author. |
| Custom Header | Enter a user defined heading |
| Custom Text | Enter a user defined text to go beside the Custom header |

## Formatting tab

| Colors | Choose the colours to be used in the Excel Report. |
|---|---|
| | *Out of tolerance* |
| | *Missing data* |
| | *Summary background* |
| | *Title background* |
| | **Reset to Defaults** |

## Visualization tab

| Create visualization layers | Check if you want conformance information to be displayed on layers in TBC. |
|---|---|
| Layer prefix | Enter a prefix to add to layer names. |
| Text Height | Select the height of the text to be displayed on screen |
| Text Style | Select the text style for the text displayed on screen |
| Gap | This is the distance in metres that the insertion point of the text will be right of the node it is created for. |
| Clear visualization layers | Check if you want the layers to be cleared before adding new data. |