Topographic Conversion to InRoads

Test Data File Instructions

The Test Data Folder contains sample data files that may be used, by the user, to test the Bentley MicroStation and InRoads setup configuration. The input CAD sample data contains compliant DTM data, non compliant DTM data and non DTM data as per the MX Topographic Standard. The error report as noted in 1.2b) below flags the user of non compliant DTM data. All non DTM data is ignored during the conversion process. The final output file contains the TIN and contours derived from the compliant DTM data.

The following is an explanation of the content within the input and output data files.

Stage 1 - MX_CADD_to_InRoads.mvba

1.1 Input data file

The input file '*1.MX_Topo_Test InRoadsWithDTMErrors_Rev0_Mar20_19.dwg*' contains the following CAD features:

a) Compliant DTM data - correct feature types and layers (data converted to ascii output file – Item 1.2a)

b) Non-compliant DTM data – incorrect feature types being 3d arcs /blocks/splines (ignored by conversion process and written to error file – Item 1.2b)

c) Non DTM data (ignored by conversion process)

1.2 Output data files

a) The DTM output file in ascii format '*1.MX_Topo_Test InRoadsWithDTMErrors_Rev0_Mar22_19_2InRoads.out*' contains the compliant DTM features as per Item 1.1a) above

b) The output error file '*1.MX_Topo_Test InRoadsWithDTMErrors_Rev0_Mar22_19_err_rpt.dwg*' contains non-compliant DTM data as per item 1.1b) above. If no errors encountered, then no error file will be created.

Stage 2- InRoads (Conversion of Stage 1 output to InRoads)

2.1 Input data file

The Stage 2 input data file – '*1.MX_Topo_Test InRoadsWithDTMErrors_Rev0_Mar22_19_2InRoads.out*' contains the compliant DTM features

2.2 Output data file

The Stage 2 output data file – '*1. MX_Topo_Test InRoads_Rev0_Contours and TIN.dgn*' contains the InRoads derived TIN and contours for the compliant DTM features.