

Australian Data Systems

GdaAudit 5.5

Due to the size and complexity of the task in managing the conversion of design files to GDA94, Australian Data Systems have developed GdaAudit, an MDL application that assists CartoMap users in this conversion. This application will significantly reduce the time and effort required for managing this complex project.

The main function of GdaAudit is to produce audit reports of design files on your system. GdaAudit will evaluate and analyse every file encountered and only report the status of those that are design files, regardless of the filename extensions. You control the starting point for the search and whether to search through sub folders.

After the conversion, GdaAudit will be an invaluable design file auditing tool for any organisation that uses mapping files on an ongoing basis. It enables constant monitoring of disc storage, reporting on the location and status of all design files including reference attachments and, for CartoMap users, the projection and zone details.

The audit report contains details for each design file on:

- The transformation status.
- Projection details, including UTM zone.
- The total number of elements in the design file and the number of displayable elements.
- The X and Y range of the displayable elements.
- Whether the design file coordinates are easting/northing or longitude/latitude.
- Whether the file is 2D or 3D.
- The global origin of the file.
- All reference files attached and whether the full path is stored.
- All raster reference files attached.
- All ImageManager projects attached.
- All embedded images.

A summary is produced that details the following:

- The number of folders processed.
- The number of files processed.
- The number of design files processed.
- The number of design files per transformation status.
- The number of design files with reference file attachments.
- The number of design files with raster attachments.
- The number of design files with ImageManager attachments.
- A list of all files that are attached as reference files.
- A list of all files that are attached as raster reference files.
- A list of all ImageManager project files.

The audit report can be read by CartoMap 5.5 as an input list of design files to be converted with its Batch DGN Transformation function.

Although the audit report is just an ASCII text file that can be viewed and printed with any text editor such as Windows Notepad, tools are provided to make this an interactive log file within GdaAudit. The syntax and colour-coding of the records have special significance and can be interpreted by the GdaAudit program when listed on the screen with the View button.

Double-click on any of the green lines containing the name of a design file to open that file in MicroStation and use the View Parameters tool to read and decode the hidden CartoMap projection "stamp" and display the contents in a window. This will include the details of all attached reference files.

The audit report may be used as input to GdaAudit to re-check the status of the audited design files. If this is the case, the new audit report will contain details about the previous and current status of the design files being audited.



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