

Problematic Drawings

AutoCAD 2017

Following on from last month's AutoCAD Electricals' specific  DWG Audit (AEDWGAUDIT) command which detects problems related to wires and wire numbers, corrects them, and displays a report, I thought it wise to write an article on resolving general corruption within any AutoCAD drawing.

From time to time your drawing or project may experience possible corruption. This can happen for any number of reasons; network problems, PC issues and data brought in from other CAD/CAE systems are usually the most common reasons.

If a drawing file is damaged, you can recover some or all of the data by using commands to find and correct errors.



Purge

Purge your drawings to reduce the file size. This typically would not be a cause for a 2D drawing. Reduce your file size to make the model more manageable and resolve some of the errors.

Select the Application button, select *Drawing Utilities* >  *Purge*



Audit

Evaluates the integrity of a drawing and corrects any errors.

Audit places the objects with errors that are in the current space into the Previous selection set. If the AUDITCTL system variable is set to 1, a text file with an ADT file extension is created that describes the problem and the action taken. If a drawing contains errors that AUDIT cannot fix, the RECOVER command should be run.

Select the Application button, select *Drawing Utilities* >  *Audit*

**Recover**

A drawing file is marked as damaged if corrupted data is detected, or if you request that the drawing be saved after a program failure. If the damage is minor, sometimes you can repair the drawing simply by opening it. A recovery notification is displayed while opening drawing files that are damaged and need recovery. You can:

**Recover**

Performs an audit on, and attempts to open, any drawing file.

Select the Application button, select *Drawing Utilities* > Recover >  *Recover*

***Recover with xrefs***

Similar to recover, it additionally operates on all nested xrefs. The results are displayed in the Drawing Recovery Log window.

Select the Application button, select *Drawing Utilities* > Recover >  *Recover with xrefs*