

DXF File Encoding

DXF R2004 and prior

Drawing files of DXF R2004 (AC1018) and prior are saved as ASCII files with the encoding set by the header variable \$DWGCODEPAGE, which is `ANSI_1252` by default if \$DWGCODEPAGE is not set.

Characters used in the drawing which do not exist in the chosen ASCII encoding are encoded as unicode characters with the schema `\U+nnnn`. see [Unicode table](#)

Known \$DWGCODEPAGE encodings

DXF	Python	Name
ANSI_874	cp874	Thai
ANSI_932	cp932	Japanese
ANSI_936	gbk	UnifiedChinese
ANSI_949	cp949	Korean
ANSI_950	cp950	TradChinese
ANSI_1250	cp1250	CentralEurope
ANSI_1251	cp1251	Cyrillic
ANSI_1252	cp1252	WesternEurope
ANSI_1253	cp1253	Greek
ANSI_1254	cp1254	Turkish
ANSI_1255	cp1255	Hebrew
ANSI_1256	cp1256	Arabic
ANSI_1257	cp1257	Baltic
ANSI_1258	cp1258	Vietnam

DXF R2007 and later

Starting with DXF R2007 (AC1021) the drawing file is UTF-8 encoded, the header variable \$DWGCODEPAGE is still in use, but I don't know, if the setting still has any meaning.

Encoding characters in the unicode schema `\U+nnnn` is still functional.

! See also

String value encoding