

1125 16th Street, Suite 213  
Arcata, CA 95521  
(707)-822-8005  
(707)-822-2864 (fax)  
email: grs@northcoast.com

chngsymb Documentation

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v1.1

- Installation Instructions -
  - Purpose -
- Execution and Options -
  - Examples -
  - Hints -
  - Support -

README  
chngsymb Documentation

```

/*****/
Installation Instructions:
/*****/
Windows NT: chngsymb is delivered as an email attached file or on a DOS
formatted floppy as a self extracting compressed set of files. Set your working
directory to the destination directory ( e.g. c:\grs ) in which you want to
place chngsymb and its associated processes.
```

Copy the file 'setup\_cs.exe' off the floppy using a process, such as File Manager or Explorer. Then execute this file by selecting it (double click).

This initiates a process that will unzip all the necessary files from the container file to the destination directory.

Windows/WinNT: As long as the destination directory is in your PATH, you can run chngsymb from any directory. If your destination directory is not in your PATH, modify your PATH and add the destination directory to your PATH statement. Your destination directory should not be a system directory that may be deleted during either a product or system software removal or delivery.

chngsymb support:

chngsymb is developed, maintained, and supported by Geographic Resource Solutions of Arcata, CA. Should you need support or information, or if you have suggestions or feedback, please contact:

Ken Stumpf  
Geographic Resource Solutions  
1125 16th Street, Suite 213  
Arcata, CA 95521  
Voice: (707)-822-8005      FAX:(707)-822-2864      email : grs@grsgis.com

```

/*****/
Program Purpose:
/*****/
```

chngsymb is a MicroStation/MGE design file utility that enables the resymbolization of graphic data based on database values read from a column in an associated database table. It enables an entire file to be resymbolized in one pass, based on the value(s) stored in the database field associated with an individual element. Database values and associated symbolic properties are

contained in a user specified text file read by chngsymb. Elements may be selected for processing by symbolic properties, level, or element type. The user must have available a RIS schema to connect to their database. Capabilities include:

Resymbolization of graphic elements - elements are resymbolized or moved to the specified level based on specified database values read from an associated database record based on the value(s) and symbolic properties specified in the user specified text file.

```
/*  
Execution and Options:  
*/
```

```
perl -S chngsymb.pl <arg1> ... <argN>
```

```
-F <dgnname>  
-L <SymbFilename>  
-l <levels>  
-e <element types>  
-T <tablename,columnname>
```

```
-F <dgnname>  
where dgnname is the full name (including path) of the dgn file to be processed
```

```
-L <SymbFilename>  
where SymbFileName is comma or space delimited and has a format of:
```

```
DbValue,Level,style,weight,color,class
```

```
for every unique dbValue. Lines must be ordered/sorted by dbValue.  
See the example at the end of this readme file
```

```
-l <levels>  
where levels is a list of levels to process (e.g. 1,2,3-5)
```

```
-e <element types>  
where element types is a list of element types to process (e.g. 3,4,17)
```

```
-T <tablename,columnname>  
where the arguments identify the database table/column to read.
```

```
/*  
Examples:  
*/
```

```
perl -S chngsymb.pl -F u06812.dgn -L d:\temp\plac02rsymbDxfValue.dat  
-l 11,17,23,32-37,42-49 -e 3,17 -T point_info,dxf_layer
```

```
/*  
Hints:  
*/
```

```
Sample SymbFile Data:
```

```
APN 46 0 2 7 2  
Center 10 0 2 3 0  
CogoBearing 49 0 2 3 0  
CogoDistance 48 0 2 3 0  
Condo1 18 0 1 55 0  
Condo1APN 5 0 1 55 0  
Condo1Txt 32 0 1 55 0  
Condo2 26 0 1 55 0  
Condo2APN 6 0 1 55 0  
Condo2Txt 33 0 1 55 0  
Condo3 27 0 1 55 0  
Condo3APN 7 0 1 55 0  
Condo3Txt 34 0 1 55 0  
Condo4 28 0 1 55 0
```

Condo4APN 8 0 1 55 0  
Condo4Txt 35 0 1 55 0  
Condo5 29 0 1 55 0  
Condo5APN 9 0 1 55 0  
Condo5Txt 36 0 1 55 0  
Condo6 30 0 1 55 0  
Condo6APN 11 0 1 55 0  
Condo6Txt 37 0 1 55 0  
FLOWLINE 1 0 1 7 0  
Junk 40 0 0 0 0  
MONUMENT 3 0 1 3 0  
Moved 38 0 0 0 0  
NOTES 1 0 0 5 0  
Parcel 20 0 4 4 0  
ParcelTemp 22 2 2 3 0  
ParcelTempTxt 23 2 2 3 0  
Row 12 0 3 8 0  
RowClose 15 1 1 8 0  
RowText 17 0 2 5 2  
Row\_np 16 2 2 8 0  
SectCorn 43 0 2 5 2  
SectNumb 44 0 2 5 2  
SectText 47 0 2 5 2  
Section 24 0 3 5 0  
StName 45 0 2 7 2  
TEMP 4 0 1 3 0  
TIE 2 0 1 2 0  
Twp-Rng 25 0 3 3 0  
Water 31 4 2 7 0

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Support:  
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for additional assistance contact:

Ken Stumpf  
GRS  
1125 16th Street, Ste. 213  
Arcata, CA 95521  
(707)-822-8005  
grs@grsgis.com