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chngcell Documentation
version 1.0
Dec 15, 1998

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README

chngcell Documentation

Installation Instructions:

Windows NT: chngcell 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 chngcell and its associated processes.

Copy the file 'setup_cc.exe' using a process, such as File Manager. Then unzip this file by selecting it (double click). All the necessary files from the container file will be placed in the destination directory.

Windows/WinNT: As long as the destination directory is in your PATH, you can run chngcell 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.

chngcell support:

chngcell 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:

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```

/*****/
Program Purpose:
/*****/
chngccell is a dgnfile utility that enables you to manipulate cell elements.
Instructions/commands are contained in an input file that indicates which cells
to review and what action to take.  Actions include replacement with another cell,
replacement using info read from a database table, and loading of the cellname into
the database table associated with the cell feature.
```

Execution: The process should be initiated in either a DOS Window or at the MGE
Utility Command prompt. chngcell is initiated in the WinNT environment as follows:

To start the GUI from the command line key-in :

chngccellf

To run the chngcell process from the command line using perl key-in :

```
perl -S chngcell.pl [args]
```

There are a number of options [args] that may be specified when you run chngcell.
You only need to input (on the command line) the options you desire, otherwise process
defaults will be used.

```

/*****/
Arguments:
/*****/
```

chngccell options include:

```
-d
-C [ cell_option_filename ]
-F [ input_dgnfilename ]
-s
-S [ scaleValue ]
-T [ tablename,columnname to read/load ]
```

where [...] indicates a required flag argument
and <...> indicates an optional flag argument

subject to the following definitions:

```
-d indicates to output diagnostic messages

-C [ cell_option_filename ] specifies the filename to open; this file contains
  cell processing options.
```

The format of the cell option file is:

record 1 - CELL_FILENAME, including path - no spaces allowed.

records 2 - last use a space to delimit or separate values of
CELLNAME ACTION LEVEL

There should be one set of values per line of cell option file.
If the value of ACTION is the name of a cell, then occurrences of CELLNAME
will be replaced by that cell; if the value of ACTION is DELETE then the

CELLNAME will be deleted; if the value of CELLNAME is POINTS and the value of ACTION is the name of a cell, then occurrences of point elements will be replaced by that cell; if the value of CELLNAME is CIRCLE and the value of ACTION is the name of a cell, then occurrences of circles will be replaced by that cell; if the value of ACTION is DBLOAD, then the CELLNAME will be loaded into the specified column of the table specified with the -T flag; if the value of ACTION is DBREAD, then occurrences of CELLNAME will be replaced by the value read from the column of the table specified with the -T flag.

LEVEL refers to the level on which cell components are found. A sample file is included below; this file will replace all cells as indicated by reading cellnames from the database.

- F [input filename] specifies the dgn filename to process.
- s indicates to save the original elements
- S [scaleValue] indicates to override the scale factor of 1 and rescale the data based on the value of the input argument.
- T [tablename,column_name] indicates the database table and column_name to read/load during processing.

```

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

```

1. Process cells in tn115r01.dgn

```
perl -S chngcell.pl -F tn115r01.dgn -C c:\grs\csx\xng_cell.dat -T erxreftb,xing_cell
```

2. Sample cell command file:

```

p:\mge\csx\setup\rpi4.cel
XXNG dbread 33
RDXNG dbread 33
CXNG11 dbread 33
CXNG12 dbread 33
CXNG13 dbread 33
CXNG21 dbread 33
CXNG22 dbread 33
CXNG23 dbread 33
CXNG31 dbread 33
CXNG32 dbread 33
CXNG33 dbread 33
PXNG11 dbread 33
PXNG12 dbread 33
PXNG13 dbread 33
RXNG21 dbread 33
RXNG22 dbread 33
RXNG23 dbread 33
RXNG31 dbread 33
RXNG32 dbread 33
RXNG33 dbread 33

```

for additional assistance contact:

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