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## MCS 83 Data Uploads from Counties

Counties may now submit coordinate records to the Office of Land Survey and Remonumentation (OLSR) by sending a comma delimited, .txt file (see table below) in an e-mail to [bccolsr@michigan.gov](mailto:bccolsr@michigan.gov) or mailing a disk to:

Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes  
Office of Land Survey and Remonumentation  
2501 Woodlake Circle, P.O. Box 30254  
Lansing, MI 48909

### **Comma-Delimited Example:**

The following represents an example of one comma-delimited MCS83 record in Gratiot County.

```
29,10N,04W,G04,,ABC SURVEYING,28404,8-SEP-05, 8-SEP-05,581121.87,26335880.42,0.12,  
0.12,N,0.9998797,GPS C2-II,1994,RK0097,,Y,859,NAVD 88,12D45'55",12D45'32",Y, Comments
```

NOTE: The above example is shown on 2 lines to fit the page, even though it is a continuous record, and each field is followed by a comma.

In the example above, Corner Coordinate G04 is followed by a second comma, which indicates a blank field. This blank field would contain an Other Code if one was assigned. There is also a second comma following the NGS PID field, which represents the field for Unpublished Designator assigned by the county if an NGS PID is not entered.

### **Data Upload Process (see flowchart attached):**

1. County E-mails data in comma delimited, electronic Microsoft file (may be e-mailed to [bccolsr@michigan.gov](mailto:bccolsr@michigan.gov)). If the file received is not compatible with Microsoft, it will be returned to the county to reformat.
2. Server reads file and scans records
  - a. Incomplete or incorrectly formatted records are removed, put into a new file named Filename.bad, and e-mailed back to the county for revisions.
  - b. Properly formatted and complete records are sent to the existing on-line database with a status of "Submitted to State."
4. "Submitted to State" records are reviewed for content by OLSR staff.
  - a. Incomplete records or records with erroneous data are placed in "Revision" status for county review, revision, and re-submitting to the State.
  - b. Complete records with valid data are assigned "Filed" status and published for on-line access.

## MCS83 Data Upload File – Format

FIELD	ALLOWABLE ENTRIES	EXAMPLE	REQUIRED?
COUNTY_CODE,	##	01,	Yes
TOWN,	##A	12N,	Yes
RANGES,	##A	34W,	Yes
LAND_CORNER_CODE,	A##	B12,	Yes or Other Code
OTHER_CODE,	###	002	Yes or Land Corner Code
SURVEY_FIRM_NAME,	AAAAAAA	ABC SURVEYING,	Yes
SURVEYOR_ID,	#####	12345,	Yes
PLANE_DATE ,	DD-MON-YY	10-JAN-05,	Yes
ASSIGNED_DATE ,	DD-MON-YY	10-JAN-05,	No
COORD_NORTH,	#####.##	123456.12,	Yes
COORD_EAST,	#####.##	12345678.12,	Yes
DEVIATION_NORTH,	###	0.12,	Yes
DEVIATION_EAST,	###	0.12,	Yes
ZONE,	A	N, C, or S	Yes
GRID_FACTOR,	#####	0.1234567,	Yes
SURVEY_METHOD,	A(20)	GPS A, GPS B, GPS C-1, GPS C2-1, GPS C2-II, GPS C3, TRAV I, TRAV 2-II, TRAV 3-I, TRIA I, TRIA 2-I, TRIA 2-II, TRIA 3-I, COMP, or RAPID GPS,	Yes
COORD_YEAR,	AAAAAA	1986 (no longer valid) 1994 (no longer valid) CORS96 NSRS07	Yes
NGS_PID,	AA####	AJ1234,	Yes or UNPUB_DESG
UNPUB_DESG,	AAA or #####	User generated,	Yes or NGS_PID
FGCS_CERT,	A	Y or N	<b>Yes if UNPUB_DESG</b>
ELEVATION,	####.##	872.55	Yes
ELEV_DATUM,	Drop-down select 1	IGLD NGVD 29 NAVD 88 Elipsoid	Yes
APPROX_LATITUDE,	##D##'##"	12D45'55"	No
APPROX_LONGITUDE,	##D##'##"	12D34'32"	No
ACTUAL_LAT_	A	Y or N	No
MEMO	AAA (unlimited)	Unlimited Text	No