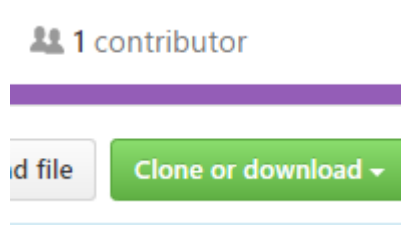


Bulk MEP Updates Using the LMG Database User Guide

September 2016

Setup:

- Requires at least Microsoft Access 2013
- Uncompress the zip file to C:\LMG (ensure there is no subdirectory) from <https://github.com/alr888/LegacyMetering> (by clicking “Clone or download” from the Github Repo).

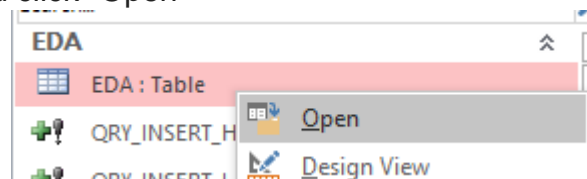


- Or download all files from <https://www.dropbox.com/home/LegacyMetering>
- The following files are essential in your C:\LMG directory:

LMG_Database	5/09/2016 12:32 AM	Microsoft Access ...	1,116 KB
LMG_WO	4/09/2016 9:37 PM	Microsoft Excel W...	12 KB
REQ0000000000001	17/08/2016 3:30 PM	Text Document	1 KB
SERVICE_REQUESTS	7/09/2016 5:45 PM	Microsoft Excel W...	12 KB
WO_COMPLETION_DETAILS	17/08/2016 4:40 PM	Microsoft Excel C...	1 KB

User Guide:

1. For any fresh updates open the LMG Database and right click on the object “EDA : Table” and click “Open”



2. Once the table is open, click on the upper left corner to select all records and hit the “delete” key to delete all previous contents.

A screenshot of the Microsoft Access table view for 'EDA : Table'. The table has three columns: RECORD, ICP, and RECORD_TYPE. The first row is a header row (HDR) with values RSEVENTDTL, RGST, and ADDRESS. Subsequent rows (DET) show records with ICP values 0000350849EN59E and RECORD_TYPE values METERSUMMARY, METERINSTALL, METERCOMP, and METERCHANNEL.

RECORD	ICP	RECORD_TYPE
HDR	RSEVENTDTL	RGST
DET	0000350849EN59E	ADDRESS
DET	0000350849EN59E	METERSUMMARY
DET	0000350849EN59E	METERINSTALL
DET	0000350849EN59E	METERCOMP
DET	0000350849EN59E	METERCHANNEL

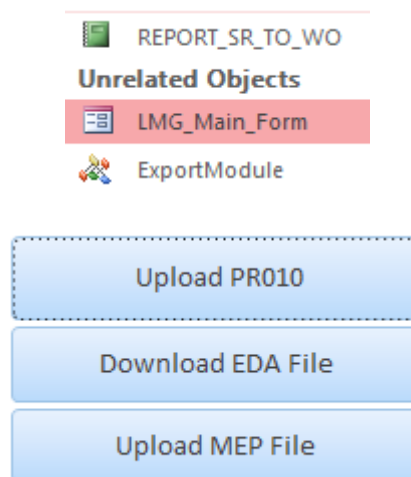
3. Perform the same steps on the “MEP : Table”



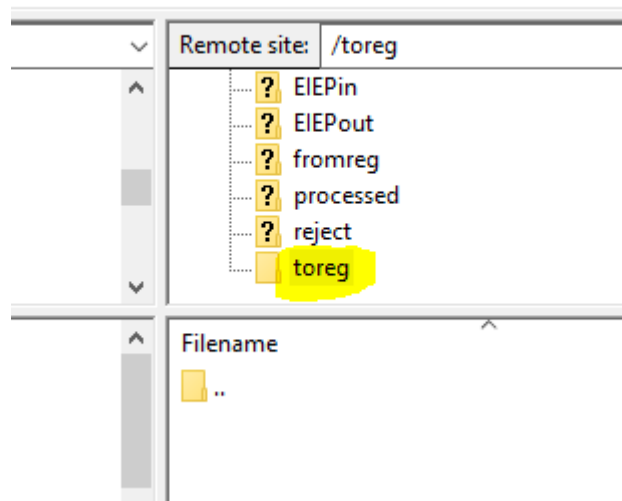
4. If you have a set of ICPs you want to update, edit the file REQ0000000000001.txt by setting the event date (PRAM02, PRAM03 should have the same date) as well as number of record (total line count minus the header).

```
HDR,RQEVENTDTL,LMGL,RGST,17/08/2016,16:40:00,4,REYESAR  
PRAM01,S  
PRAM02,17/08/2016  
PRAM03,17/08/2016  
DET,0000350849EN59E
```

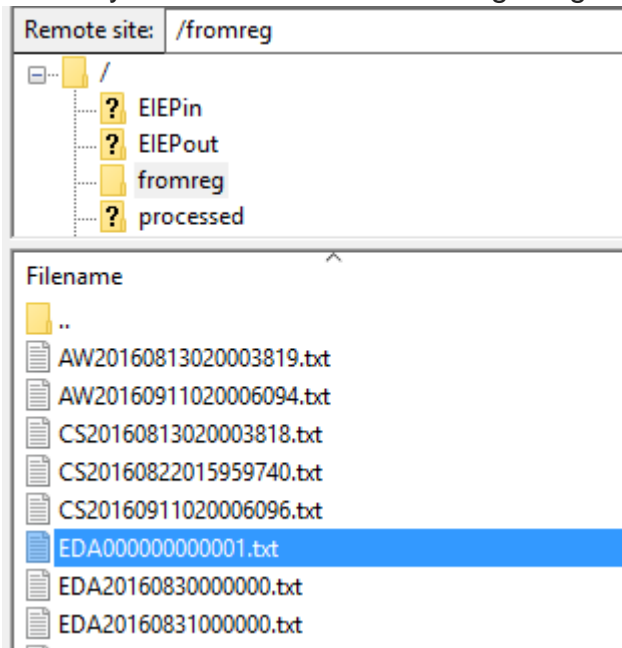
5. Open the form "LMG Main Form" and the following buttons are presented.



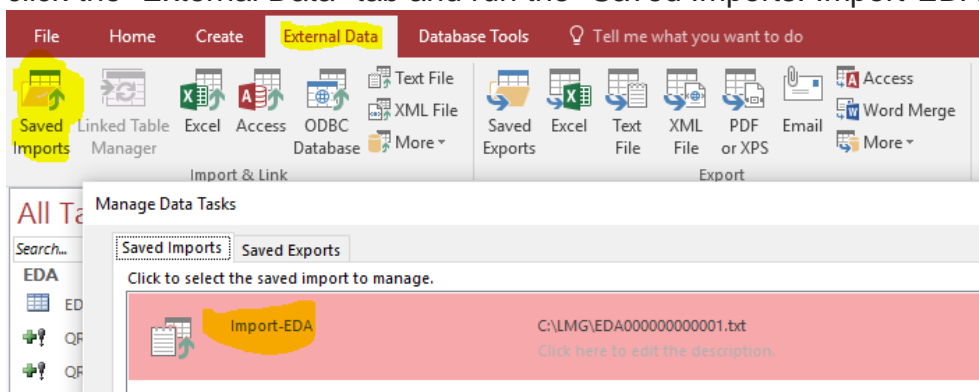
6. If you want to upload the edited REQ0000000000001.txt file click the button "Upload PR010". This will submit a request to the Registry for an PR030.
7. This is expected to generate a PR030 (EDA file named: EDA0000000000001.txt). To download it click "Download EDA File"
8. If steps 5 or 6 fail, this would indicate the SFTP credentials to the Registry have changed. As an alternative you can perform steps 5 and 6 manually. Using an SFTP client like Filezilla or Winscp, you need to upload the PR010 file to the /toreg directory:



To retrieve the resulting PR030, you can download it from the /fromreg directory as show in the succeeding image:



9. Once the EDA file has been downloaded and copied to c:\LMG, you need to click the "External Data" tab and run the "Saved Imports: Import-EDA".



10. Once the data has been imported successfully, run the query QRY_INSERT_H_RECS (via double click).

EDA

EDA : Table

QRY_INSERT_H_RECS

11. Then run the query QRY_INSERT_I_RECS.

QRY_INSERT_I_RECS

12. Then run the query QRY_INSERT_M_RECS

QRY_INSERT_M_RECS

13. Then run the query QRY_INSERT_R_RECS.

QRY_INSERT_R_RECS

14. To update the Certificate Flag and Dates, you need to run QRY_UPDATE_CERT_I_RECS.

QRY_UPDATE_CERT_I_RECS

15. To add/edit/delete any meter details for a single or a few ICPs, open the form MEP_UP_METER_DETAILS. Fieldnames are provided in the form as well.

MEP_UP_METER_DETAILS

MEP_UP_METER_DETAILS

ICP

0000350849EN59E

Child9:

RECORD_TY	SERIAL_NO	METER	METE	AMI_F	ME	COI	OWNER	REMOVAL_I	SETTLEM
M	1380000698	M	NHH	N	1	1	LMGL		1
R	1380000698	1	8	UN	24	kWh	X	C	Y
M	1380000742	M	NHH	N	1	1	LMGL		1
R	1380000742	1	8	UN	24	kWh	X	C	Y
M	150604638	L		N		1	EAST		1
R	150604638	1							Y
M	2519191	M	NHH	N	1	1	LMGL		1

Record: 1 of 8 No Filter Search

16. For bulk updates, the source template is WO_COMPLETION_DETAILS. It requires the ACTION_FLAG of R for Removal or A for Addition. Even if the change is only an update we need to Remove old data and Add new data with the change included.

ACTION_FLAG							
A	B	C	D	E	F	G	
1	ACTION_FLAG	RECORD_ID	ICP	SERIAL_NO	METER	METER_TY	AMI_I
2	R	M	0000350849EN59E	1380000698	M	NHH	N
3	R	R	0000350849EN59E	1380000698	1	8	UN
4	R	M	0000350849EN59E	1380000742	M	NHH	N
5	R	R	0000350849EN59E	1380000742	1	8	UN
6	R	M	0000350849EN59E	150604638	L		N
7	R	R	0000350849EN59E	150604638	1		
8	R	M	0000350849EN59E	2519191	M	NHH	N
9	R	R	0000350849EN59E	2519191	1	6	CN
10	A	M	0000350849EN59E	2519191-mike	M	NHH	N
11	A	R	0000350849EN59E	2519191-mike	1	6	CN
12							

17. Delete all previously loaded records from the WO_COMPLETION_DETAILS table.

Import & Link	
All Tables	WO_COMPLETION_DETAILS
Search...	ACTION_FLAG ID_NUM
QRY_UPDATE_CERT_I_REC	R
MEP_UP_METER_DETAILS	R
NOT	R
NOT : Table	R
DUAL	R
DUAL : Table	R
QRY_INSERT_HEADER	R
WO_COMPLETION_DETAILS	A
WO_COMPLETION_DETAILS : Table	A
	*

18. Once cleared, run the external import job Import-WO_COMPLETION_DETAILS.

FileHomeCreate**External Data**Database ToolsFieldsTableTell me what


Text File

Manage Data Tasks

Saved Imports

Saved Exports


Click to select the saved import to manage.



Import-EDA

C:\LMG\EDA000000000001.txt

Click here to edit the description.

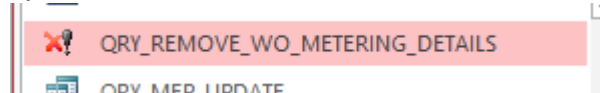


Import-WO_COMPLETION_DETAILS

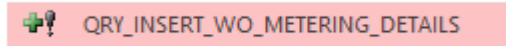
C:\LMG\WO_COMPLETION_DETAILS.csv

Click here to edit the description.

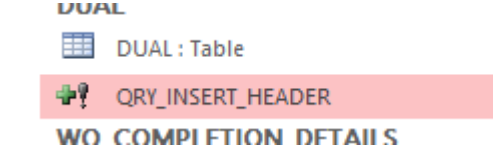
19. After successful import, run QRY_REMOVE_WO_METERING_DETAILS.



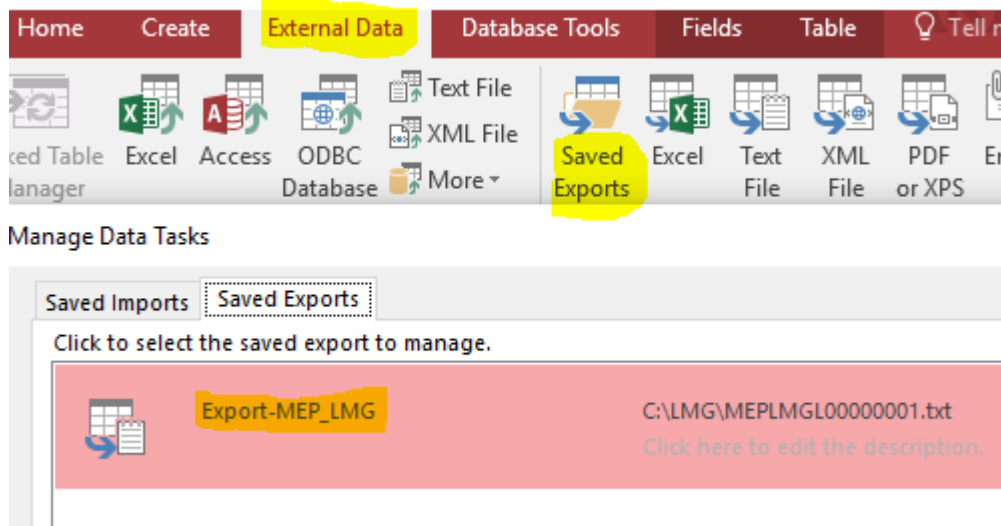
20. Then run QRY_INSERT_WO_METERING_DETAILS.



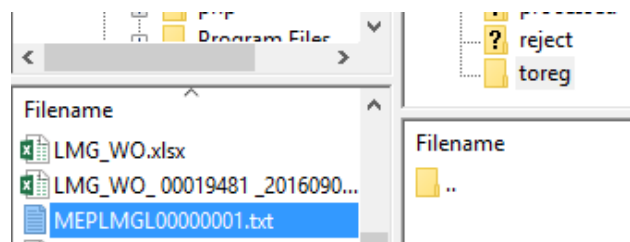
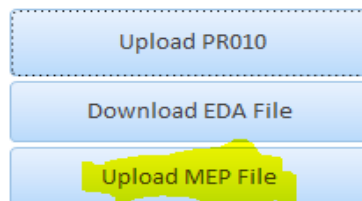
21. To generate the header record, you need to run QRY_INSERT_HEADER.



22. Then click on the "External Data" tab and run the "Saved Exports: Export-MEP_LMG"



23. Step 22 will generate the MEP update file MN010 (MEPLMGL00000001.txt) which you can then upload to the Registry by clicking the button "Upload MEP File" or manually upload the file.



Note: The I records containing certificate flag (maps to MEP.DET_3) and dates has the field DET_5 as the start date.