



The MRA Agreed Procedure for Comparison of Meter Operator and ECOES data

MAP 26

Document Reference: MAP_26_V1.1

Version: V1.1

Status: Final

Date: 03/11/2016

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1 Introduction

Background

- 1.1 Between 2013 and 2015, the Prepayment Allocation Process Expert Group (PAPEG) developed a number of solutions to improve prepayment transaction allocation. PAPEG identified that data quality issues in the Electricity Central Online Enquiry Service (ECOES) could be a contributing factor in unallocated prepayment transactions and proposed that a data comparison between Meter Information held in ECOES and Meter Operator (MOp) systems should be carried out and ECOES subsequently updated. Since the benefits of this exercise were seen to extend beyond the allocation of prepayment transactions, PAPEG proposed the exercise should be carried out on all metering data in ECOES.
- 1.2 The MRA Development Board (MDB) and Issue Resolution Expert Group (IREG) considered the proposed solution and agreed to mandate a modified data comparison exercise to identify discrepancies between Meter Information held in ECOES and by MOps for those Meter Serial Numbers (MSNs) on the Unallocated Transaction Report (UTR) to identify the scale of data quality issues in relation to prepayment meters with unallocated transactions.

Purpose

- 1.3 Pursuant to Clause 42.2 of the Master Registration Agreement (MRA), this MRA Agreed Procedure (MAP) sets out the processes that Suppliers shall ensure are undertaken by their MOps to provide an extract of Meter Information required for the comparison of ECOES and MOp data.

Document Scope and Objectives

Reference: MAP_26_v1.1
Status: Final

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- 1.4 The scope of this MAP is limited to procedures relating to the provision of an extract of Meter Information for those MSNs listed on the latest UTR available to the Central Administration Service (CAS) on the specified date, for the purpose of comparison with the corresponding metering data held in ECOES.

Exclusions

- 1.5 The following are specifically excluded from this MAP:
- (a) Metering Information for any MSNs not listed on the UTR on the specified date; and
 - (b) Business processes for the collation of Metering Information.

Associated References

- 1.6 The MRA, which provides the overarching governance for this MAP.

Glossary of Terms

- 1.7 All defined terms in this MAP shall have the meaning ascribed to those terms in the MRA.

2 Principles

- 2.1 Suppliers shall ensure that their MOPs provide the required data in a zip file on a secure file sharing system as described and to the timelines detailed in this MAP.
- 2.2 Prior to implementation of this MAP, each Supplier shall provide:
- (a) a nominated MOP contact; and
 - (b) a nominated Supplier contact
- per Market Participant Id (MPID) including telephone and email to the MRASCo Secretariat.

3 Procedure

- 3.1 The CAS shall:
- (a) upload a list of all MSNs on the UTR in pipe delimited format onto the secure file sharing system, as per the example provided in Annex A; and
 - (b) notify all MOP and Supplier contacts provided as per clause 2.2 that the list of MSNs is available on the secure file sharing system.
- 3.2 Suppliers shall ensure that their MOPs:
- (a) create an extract of the following information for all MSNs on the UTR where they are currently the appointed MOP for a related Metering Point Administration Number (MPAN):
 - (i) Meter Id (Serial Number) (J0004)
 - (ii) MPAN Core (J0003)
 - (iii) Meter Type (J0483)
 - (iv) Meter Asset Provider Id (J1677)
 - (v) Date of Meter Installation (J0484)
 - (vi) Date of Meter Removal (J1269)
 - (vii) Supplier Id (J0084)
 - (viii) Meter Operator Id (J0178)

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- (b) collate the data extracted in a pipe delimited file with a header containing the MOp MPID and Date of the extract, followed by the information extracted as per examples provided in Annex A. The data for each MPAN shall be contained on one line and each MPAN shall be differentiated by a carriage return.
- (c) apply the following file naming convention shall be applied: MOpMPID_YYYYMMDD.txt
- (d) upload the pipe delimited file to the secure file sharing system and inform the CAS that the file has been uploaded.

3.2.1 Where a MOP identifies that they are not appointed to any MPAN associated with an MSN listed on the report described in 3.1(a), Suppliers shall ensure that Mop creates a pipe delimited file containing a header record as defined in Annex A only. Clauses 3.2 (c) and (d) apply accordingly.

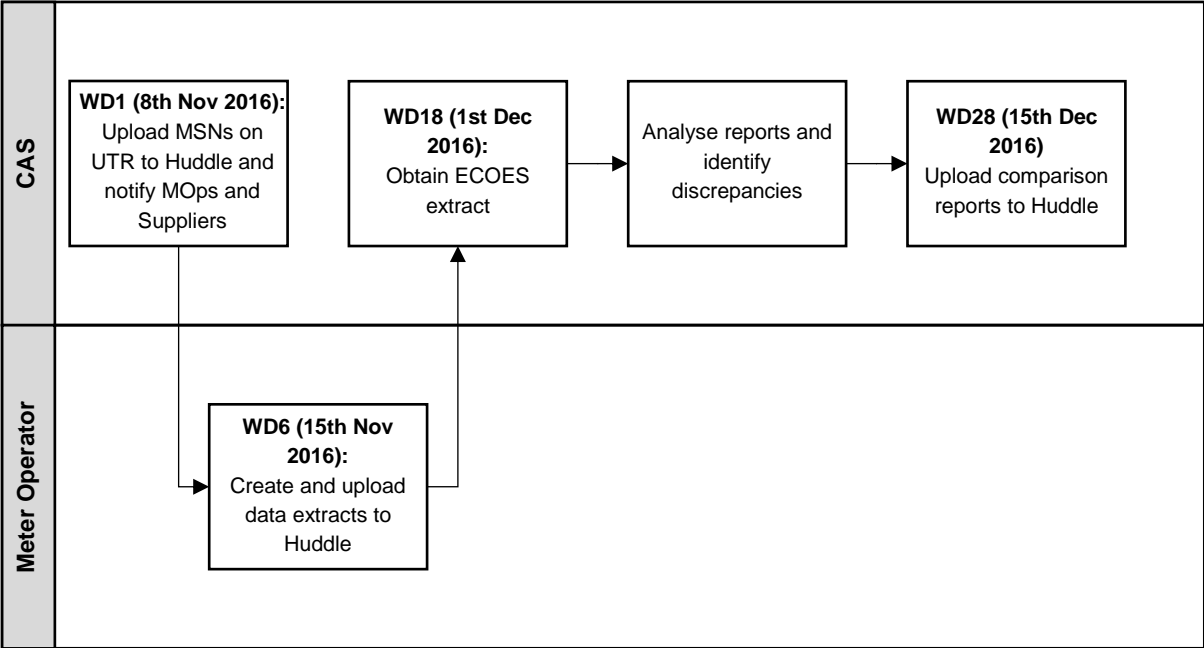
3.3 The CAS shall:

- (a) download all files submitted by MOps and collate them into a single file;
- (b) obtain a data extract from ECOES, containing the Data Items listed under 3.2 (a) (i) – 3.2 (a) (viii) and the submission date of the latest accepted D0312 Data Flow, 11 Working Days after the date of the MOp extracts;
- (c) compare the datasets received from MOps and ECOES to identify any data discrepancies
- (d) separately identify any discrepancies which arise due to MOp updates of ECOES carried out after the date of the MOp extracts, to be identified by the submission date of the latest accepted D0312 Data Flow being greater than the date of the MOp extracts;
- (e) collate an anonymised report in a standard pipe delimited format outlining
 - (i) the percentage of MPANs for which discrepancies have been identified; and
 - (ii) a ranking of each Data Item by the number of occurrences of discrepancies.
- (f) create individual reports per Supplier Id and Meter Operator Id, listing all MPANs for which discrepancies were identified and showing all Data Items and their values from both the ECOES and MOp data extract; and
- (g) upload the individual reports, as well as the overall anonymised report, to the relevant MOps' and Suppliers' folders within the nominated Huddle workspace and notify MOps and Suppliers that the files are available for download on Huddle.

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4 Timeline

- 4.1 The list of MSNs on the UTR shall be provided on Huddle on 8th November 2016.
- 4.2 MOPs shall create and upload their data extracts to Huddle on 15th November 2016.
- 4.3 The ECOES data extract shall be run on 1st December 2016.
- 4.4 The comparison reports shall be provided to MOPs and Suppliers on 15th December 2016.



Annex A

1 File formats

MSNs on UTR for MOPs

Detail			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Id (Serial Number)	J0004	CHAR(10)	L05XX12458

The example record is as follows:

L05XX12458|

Meter Information extracts to be provided by MOPs

Header			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Operator Id	J0178	CHAR(4)	EMEB
Date Issued	Date Issued	DATE(8)	20160101

Detail – Record 1			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Id (Serial Number)	J0004	CHAR(10)	L05XX12458
MPAN Core	J0003	INT(13)	1234567894556
Meter Type	J0483	CHAR(5)	K
Meter Asset Provider Id	J1677	CHAR(4)	MESL
Date of Meter Installation	J0848	DATE(8)	20100314
Date of Meter Removal	J1269	DATE(8)	20151231
Supplier Id	J0084	CHAR(4)	EELC
Meter Operator Id	J0178	CHAR(4)	EMEB

Detail – Record 2			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Id (Serial Number)	J0004	CHAR(10)	P05XX15788
MPAN Core	J0003	INT(13)	1235897894556
Meter Type	J0483	CHAR(5)	K
Meter Asset Provider Id	J1677	CHAR(4)	MESL
Date of Meter Installation	J0848	DATE(8)	20100114
Date of Meter Removal	J1269	DATE(8)	
Supplier Id	J0084	CHAR(4)	EELC
Meter Operator Id	J0178	CHAR(4)	EMEB

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Detail – Record 3			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Id (Serial Number)	J0004	CHAR(10)	P07TT15788
MPAN Core	J0003	INT(13)	1235895789556
Meter Type	J0483	CHAR(5)	K
Meter Asset Provider Id	J1677	CHAR(4)	AAAA
Date of Meter Installation	J0848	DATE(8)	20110517
Date of Meter Removal	J1269	DATE(8)	
Supplier Id	J0084	CHAR(4)	EELC
Meter Operator Id	J0178	CHAR(4)	EMEB

Detail – Record 4			
Data Item Name	Data Item Number or Definition	Format	Example
Meter Id (Serial Number)	J0004	CHAR(10)	P05XX16789
MPAN Core	J0003	INT(13)	2256897894556
Meter Type	J0483	CHAR(5)	K
Meter Asset Provider Id	J1677	CHAR(4)	BBBB
Date of Meter Installation	J0848	DATE(8)	20090312
Date of Meter Removal	J1269	DATE(8)	
Supplier Id	J0084	CHAR(4)	EELC
Meter Operator Id	J0178	CHAR(4)	EMEB

The example record is as follows:

```
EMEB|20160101|
L05XX12458|1234567894556|K|MESL|20100314|20151231|EELC|EMEB|
P05XX15788|1235897894556|K|MESL|20100114||EELC|EMEB|
P07TT15788|1235895789556|K|AAAA|20110517||EELC|EMEB|
P05XX16789|2256897894556|K|BBBB|20090312||EELC|EMEB|
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Document Controls

Change History

Version:	Status:	Date of Issue:	Reason for Issue:
1.0	Agreed		As agreed by IREG
1.1	Agreed	03/11/2016	Agreed as per MAP CP 0270

Quality Assurance

Review:			
Name	Role	Responsibility	Date of review
Matteo Turacchi	MRA Delivery Team	Accuracy	03/11/2016
Michael Barlow	MRA Delivery Team	Accuracy	03/11/2016
Approval for Issue to Industry:			
Name	Role	Responsibility	Date
Paul Rocke	MRA Delivery Manager	Approval	03/11/2016

MRA Approvals

Approval for recommendation to authority		
Name:	Recommendation:	Date
MDB		31/03/2016

Change Approvals and Consents

Name	Organisation	Responsibility	Date