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CONSEQUENTIAL CHANGE SOLUTION

ELECTRICITY ENQUIRY SERVICE

DOCUMENT VERSION	4.0
ISSUED DATE	02/11/2023
SOLUTION STATUS	AGREED

COMMITTEE	REC MHHS STAKEHOLDER ADVISORY GROUP

CHANGE OVERVIEW

This change proposes to amend the Electricity Enquiry Service (EES) Data Access Matrix (DAM) to reflect new data items and market roles being introduced to support the Market-wide Half Hourly Settlement (MHHS) arrangements.

MHHS STAKEHOLDER ADVISORY GROUP OUTCOME

On 19 April 2023, the REC MSAG agreed that the solution for consequential change item CCT-25 should be taken forward for the MHHS Code Drafting. It was specifically agreed that the identity of the MEM and Data Service who set the Direct Customer Contract should be available to Electricity Suppliers only.

On 02 November 2023, this solution has been re-baselined as version 4.0, following no concerns being raised by REC MSAG members. This solution will be taken forward for the MHHS Code Drafting.

1 BACKGROUND

The Market-wide Half Hourly Settlement (MHHS) design includes the EES as a recipient for a number of new Data Integration Platform (DIP) interfaces. This enables the EES to source new MHHS data items and existing data items that will now be communicated via the DIP, directly from the DIP without requiring additional integration with each Electricity Retail Data Agent (ERDA). The expectation is that new MHHS data items will be made available in relation to Metering Points as they are migrated to the new MHHS arrangements, with legacy data items available for non-migrated Metering Points.

Changes to the EES DAM covering the introduction of a new category of EES User and access to the new MHHS data items were discussed with the Consequential Change Impact

Assessment Group (CCIAG) in December 2022 and issued for industry consultation on 21 February 2023.

The REC consultation closed on 7 March 2023 and responses have been summarised in section 5 below.

2 PROBLEM STATEMENT

The MHHS Programme is introducing a new market role of Data Service and it is therefore proposed that Data Services become a new category of EES User. A decision is now required to confirm the data items that this category of EES User can access.

The MHHS Programme is also introducing new data items to be made available to EES Users and a decision is required to confirm which category of EES User can access each individual new data item.

3 IMPACTS

CONSUMERS	REC SERVICE PROVIDERS	RECCO / REC CODE MANAGER
N/A	EES Provider	N/A

REC PARTIES AND SERVICE USERS	REC DOCUMENTS / PRODUCTS
EES Users	EES DAM

The table above identifies the potential impacts of amending the EES DAM. A complementary change is being progressed to amend the EES itself to reflect the new MHHS requirements and the results of this change will be fed into that wider MHHS delivery. Further information regarding changes to the EES User Guides and API Technical Specifications will be considered in due course.

4 SOLUTION OPTIONS

4.1 NEW EES USER CATEGORIES

The proposed electricity Data Access Matrix includes a new column to reflect the addition of a new Data Service EES User Category. It is proposed that Data Services should have the same data access as currently applicable to Data Collectors given the parallels in these roles.

RECCo and the Code Manager considered whether separate data access should be available to Smart Meter Data Retrievers (SMDRs)[1] and concluded that SMDRs do not require access as

[1] Smart Meter Data Retriever (SMDR) is the REC term approved under R0044 MHHS Programme Changes required to Central Switching Service. Under the MHHS Programme this is known as a Meter Data Retriever (MDR).

a separate category of EES User as their role is limited to accessing consumption data from smart metering devices.

The consultation sought views from EES Users and other interested parties on adding Data Service as a new category of EES User with access to the same data items as the Data Collector category.

4.2 NEW EES DATA ITEMS

The list below shows the new data items that will be sent to the EES Provider as a result of MHHS (further information regarding the data items, is provided under the table):

Meter Manufacturer
Electricity Smart Meter Equipment (ESME ID)
Meter Location
Number Of Displayed Register Digits
Import/Export MPAN Supplier ID
DUOS Tariff ID
DUOS Tariff ID EFD
~~Consent Granularity~~
~~Consent Granularity Effective From Date~~
Data Service Effective From Date
Data Service DIP ID
Data Service MPID
Meter Operator DIP ID
Assigned MDR DIP ID
Assigned MDR MPID
Assigned MDR Effective From Date
Customer Direct Contract Data Service Flag
Customer Direct Contract Data Service DIP ID
~~Customer Direct Contract Data Service Effective To Date~~
Customer Direct Contract Meter Operator Flag
Customer Direct Contract Meter Operator DIP ID
~~Customer Direct Contract Meter Operator Effective To Date~~
Annual Consumption
Annual Consumption Effective From Date
Annual Consumption Quality Indicator

Market Segment Indicator
Market Segment Indicator Effective From Date
Domestic Premises Indicator
Disconnection Date
MHHS Indicator (this data item is derived by the EES Provider)

RECCo and the Code Manager considered whether all new data items should be made available via the EES. Based on feedback from the CCIAG and REC's MHHS Stakeholder Advisory Group, it is proposed that the following data items are not published via the EES:

- Consent Granularity / Consent Granularity Effective from Date – as these data items are only needed by the Registered Supplier and Appointed Data Service it is proposed that they are not made available via the EES. These market participants will therefore rely on the data provided to them via the DIP.
- Customer Direct Contract Data Service / Metering Service Effective to Date – on the basis this is commercially confidential information.

With respect to the other new data items, the table below sets out the principles applied in determining which EES User Categories can access the data with a more detailed explanation provided underneath:

Data Item	**Access Principle**
Meter Manufacturer	Reflects access arrangements for Meter Serial Number
Electricity Smart Meter Equipment (ESME ID)	Reflects access arrangements for Meter Serial Number
Meter Location	Reflects access arrangements for Meter Serial Number
Number Of Displayed Register Digits	Reflects access arrangements for Meter Serial Number
Disconnection Date	Reflects access arrangements for Meter Serial Number
Import/Export MPAN Supplier ID	Reflects access arrangements for Registered Supplier MPID
DUoS Tariff ID	Reflects access arrangements for Line Loss Factor
DUoS Tariff ID EFD	Reflects access arrangements for Line Loss Factor
Data Service DIP Id	Reflects access arrangements for Data Collector Id
Data Service MPID	Reflects access arrangements for Data Collector Id
Data Service Effective from Date	Reflects access arrangements for Data Collector Id
Meter Operator DIP ID	Reflects access arrangements for Meter Operator Id
Assigned MDR DIP ID	Reflects access arrangements for Data Collector Id

Assigned MDR MPID	Reflects access arrangements for Data Collector Id
Assigned MDR Eff From Date	Reflects access arrangements for Data Collector Id
Customer Direct Contract Data Service Flag	Access provided to all Market Participant user types
Customer Direct Contract Data Service DIP ID	Access provided to Suppliers only
Customer Direct Contract Meter Operator Flag	Access provided to all Market Participant user types
Customer Direct Contract Meter Operator DIP ID	Access provided to Suppliers only
Annual Consumption	Access provided to all EES User Categories
Annual Consumption Effective From Date	Access provided to all EES User Categories
Annual Consumption Quality Indicator	Access provided to all EES User Categories
Market Segment Indicator	Reflects access arrangements for Connection Type
Market Segment Indicator Effective From Date	Reflects access arrangements for Connection Type
Domestic Premises Indicator	Access provided to all EES User Categories (reflects MPAN Designation with the addition of PPMIPs)

The rationale for the proposed access set out in the table above is as follows:

- The MHHS design requires additional information relating to meters to be made available via the EES. We propose that access to these data items reflects existing access already provided to the Meter Serial Number data item on the basis that EES Users who have historically requested access to Meter Serial Number are likely to find the additional data items useful. No rationale for restricting access to these data items has been identified.
- MHHS is introducing the concept of Associated Import / Export Metering Points, with new data items introduced via REC CP R0066 'Inclusion of SMRS Data Items in EES'. The identity of the Registered Supplier responsible for the Associated Import / Export Metering Point was not captured as a separate data item within R0066 but is included separately within the new DIP interfaces. For transparency, this data item will be listed separately within the Data Access Matrix but in practice this is the identity of the Registered Supplier for any Associated Import / Export Metering Point. On this basis it is proposed that access to the Import/Export MPAN Supplier ID data item reflects existing access to Registered Supplier details.
- MHHS is introducing a new concept of DUoS Tariff Id to replace the existing Line Loss Factor Class Id. As the data item has the same purpose, it is proposed that access to DUoS Tariff Id data reflects existing access to the Line Loss Factor data item.
- MHHS is introducing a new Market Participant role of Data Service (which effectively replaces the existing Data Collector role). It is also introducing a Market Participant role for Smart Meter Data Retrievers who will access smart meter data as new DCC Users under the SEC. It is proposed that those EES User Categories who are currently able to access details of the appointed Data Collector should have access to data relating to both the appointed Data Service and the assigned Smart Meter Data Retriever.

- Similarly, MHHS is introducing a DIP Id to identify individual organisations. This will lead to a new identifier for the Metering Equipment Manager / Meter Operator Agent to publish alongside the Market Participant Identifier (MPID). It is proposed that EES User Categories who are currently able to access details of the appointed Metering Equipment Manager should have access to the new MEM / MOA DIP Identifier.
- MHHS is introducing a new Customer Direct Contract Flag to allow a Data Service and / or Meter Operator to indicate where they have a direct contract with the consumer. It is proposed that access to this flag should be provided to all Market Participant user types as they are likely to find the additional data items useful. No rationale for restricting access to these data items has been identified. In addition, it was initially proposed that the identity of the Data Service / Meter Operator who set the flag would not be available via the EES. However, based on feedback via the consultation and subsequent discussion by MSAG it was agreed that these data items should be provided via the EES, with access limited to Suppliers, as agreed via the MHHS design discussions and reflected in the Interface Catalogue.
- MHHS is introducing a new concept of Annual Consumption, calculated for each Metering Point by the BSC Central Systems (and specifically the Market Data Service). This data item will replace the current Annualised Advance (AA) and Estimated Annual Consumption (EAC) data items which are not currently available via the EES. It should be noted that there have been a number of discussions historically regarding the availability of EAC/AA data via the EES but these were suspended due to the pending changes being introduced by MHHS. Currently EAC/AA data is only available to organisations who do not receive it directly through market flows by purchasing bespoke reports from the Data Transfer Service (DTS) provider. On the basis that this data is already made available to parties on a commercial basis, it is proposed that there should be no limitation on the organisations with access to the data via the EES.
- The MHHS processes directly reference the Domestic Premises Indicator as a data item set by Suppliers and held within CSS. Currently the EES displays an MPAN Designation data item which was historically calculated by the EES based on the Measurement Class and Profile Class. As part of the EES change to reflect the new MHHS arrangements, the MPAN Designation data item will be removed and replaced with the Domestic Premises Indicator. The MPAN Designation data item is currently accessible to all EES User Categories other than the Pre-Payment Meter Infrastructure Provider (PPMIP). It is proposed that this restriction should be removed, giving PPMIPs (and all other EES User Categories) visibility of the Domestic Premises Indicator.
- Finally, the EES Provider will set the MHHS Indicator flag when a Metering Point is migrated to the MHHS arrangements (based on the notification of a Data Service or Meter Operator appointment via the IF-036 interface). It is proposed that access to this data item should not be restricted and would therefore be available to all EES User Categories.

5 SUMMARY OF CONSULTATION RESPONSES

In total, seven responses were received to the consultation from two Suppliers, two Distribution Network Operators, a Meter Administrator, a Data Collector and an interested party.

The majority of respondents supported the proposed changes to the DAM, with the following exceptions:

- One respondent did not agree with the position that SMDRs should not be introduced as a separate EES User category, suggesting that SMDRs could use the EES to confirm their SMDR appointment is in place and also to check the Consent Granularity for a specific Metering Point.
- One respondent did not agree with the position that the identity of the Data Service or MEM who set the Customer Direct Contract Flag should not be published, noting that this would not always be the incumbent. It was suggested that there is currently no check or requirement introduced by MHHS to ensure that the incumbent agent is the agent who has the customer direct contract e.g. if a new contract is established after the flag was set. This respondent suggested the identity of the Data Service and MEM who set the flag should be available via the EES.
- One respondent suggested that the Meter Operator DIP Id data item should be amended to Metering Service DIP Id. RECCo acknowledge this point and agree that the MHHS data item is Metering Service DIP Id. However, the intention within the wider REC drafting is not to introduce the term Metering Service and it is therefore proposed that the EES uses consistent terminology with existing data items which reference the Meter Operator. RECCo also acknowledge the suggestion that the term Meter Operator has been replaced by MEM within the REC. However, this change has not yet been made across data item definitions which still reference Meter Operators. A separate, post MHHS change could be progressed to carry out a wider tidy up of pre-REC terminology. This respondent also queried whether the existing Meter Operator Id would be used for both migrated and non-migrated Metering Points. RECCo can confirm that this is the intention and that as part of the MHHS Migration Design, it is proposed that a flag will be added to the EES to identify whether the Metering Point has migrated.

6 MSAG CONSIDERATION

The MSAG initially considered the proposed changes to the EES DAM at its meeting in March 2023 and agreed the proposed changes with the following caveats:

- Further consideration be given to the accessibility of the Customer Direct Contract Meter Operator / Data Service DIP ID data items
- Addition of MHHS Indicator data item
- Addition of Virtual Lead Parties to reflect approved CP R0054.

An updated version of the EES DAM was shared with MSAG on 19 April 2023.

7 PROPOSED SOLUTION

The proposed changes to the EES DAM, taking into account responses to the industry consultation, have been included as Attachment 1.

8 EES API TECHNICAL SPECIFICATION

Changes are also required to the EES API Technical Specification to add the new MHHS data items. These changes were issued for industry consultation by the Code Manager on 18 August 2023. The non-confidential responses have been consolidated, along with RECCo's responses, and included as Attachment 2. Following the consultation, minor amendments were made to the redlined specification document which has been included as Attachment 3. This version will be included in Tranche 4 of the MHHS Programme's Code Drafting consultation.

9 APPENDICES

- Attachment 1 – EES Data Access Matrix
- Attachment 2 – EES API Technical Spec Consolidated Consultation Responses v1.0-
- Attachment 3 – EES API Technical Specification

10 GLOSSARY

Terms used in this document can be found within the following:

- Schedule 1 - Interpretations and Definitions – Link
- MHHS Programme Glossary - Link