

## Appendix 1 - EII HHDA Red-lined Solution

### Annex A

#### *Data Transfer Participant Role*

A11 This entity describes the types of party within the electricity industry who may be responsible as the source or recipient of an information flow. At the time of printing, common industry definitions of the data transfer participant roles have been determined.

Attribute	Description
Market Participant role code	An indicator used to identify the role of the market participant.
Market Participant role name	The name of the market participant role.
Market participant role description	The description of the market participant role.

Market Participant Role Name	Market Participant role Description
CFD Settlement Services Provider	Contracts for Difference (CfD) Settlement Services Provider
CM Settlement Services Provider	Capacity Market Settlement Services Provider
Distributor	Distribution Business (BSC Terminology = Distribution System Operator)
ECOES	Electricity Central Online Enquiry Service
Grid Operator	Grid Operator
GRS Operator	Generation Registration Service Operator
HHDA	Half Hourly Data Aggregator
HHDC	Half Hourly Data Collector
MAP	Meter Asset Provider
MDDA	Market Domain Data Agent
MOP	Meter Operator
MPAS	Metering Point Administration Service
MPAS Agent	Metering Point Administration Service Agent (BSC Terminology = Supplier Meter Registration Agent – SMRA)
NHHDA	Non Half Hourly Data Aggregator
NHHDC	Non Half Hourly Data Collector
NHHDR	Non Half Hourly Data Retriever
PPMIP	Prepayment Meter Infrastructure Provider
Profile Administrator	Profile Administrator
RPS	Revenue Protection Service
SFIC	System Fault Information Centre
Supplier	Supply Business
SVAA	Supplier Volume Allocation Agent
Teleswitch Agent	Teleswitch Agent
UMSO	Unmetered Supplies Operator

**Flow Reference:** D0354

**Flow Version** 001

**Status:** Operational

<b>Flow Name:</b>	<b>Capacity MarketEMR Reporting Notification</b>	
<b>Flow Description:</b>	Supplier notification to HHDA of Metering Systems to be reported in relation to <del>the</del> <b>Capacity MarketEMR</b> . To be used for both initial notification and for updates.-	
<b>Flow Ownership:</b>	BSC	
<b>From</b>	<b>To</b>	<b>Version</b>
Supplier	HHDA	11.2

**Data Items:**

Reference	Item Name
J0048	Contract Reference
J1869	Effective from Settlement Date {MSCM}
J1870	Effective to Settlement Date {MSCM}
J0330	File Sequence Number
J0109	Instruction Number
J0003	MPAN Core

**Flow Structure:**

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
13I	File Sequence Number	1		G								
					1							File Sequence Number
14I	Capacity MarketEMR Reporting Notifications	1-*			G							
						1						Instruction Number
						1						MPAN Core
						1						Effective from Settlement Date {MSCM}
						O						Effective to Settlement Date {MSCM}
						O						Contract Reference

<b>Notes:</b>	
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**Version History:**

Catalogue release change takes effect	CP No.	Brief description of the change and its reason
Version 11.2	3431	Data Item Created.
<u>Version 11.x</u>	<u>3456</u>	<u>Revision to Flow Name, Description and Group 14I Description.</u>

Flow Reference: **D0355**Flow Version: **001**

Status: Operational

<b>Flow Name:</b>	<b>Capacity MarketEMR Reporting Confirmation</b>	
<b>Flow Description:</b>	Used to notify a Supplier that their <del>Capacity Market</del> EMR Reporting Notification has been accepted, including verification of the notification.:	
<b>Flow Ownership:</b>	BSC	
<b>From</b>	<b>To</b>	<b>Version</b>
HHDA	Supplier	11.2

**Data Items:**

Reference	Item Name
J1869	Effective from Settlement Date {MSCM}
J1870	Effective to Settlement Date {MSCM}
J0330	File Sequence Number
J1017	Incoming Instruction Number
J0003	MPAN Core

**Flow Structure:**

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
15I	File Sequence Number	1		G								
					O							File Sequence Number
16I	Confirmed <del>Capacity Market</del> EMR Reporting Notifications	1-*			G							
						1						Incoming Instruction Number
						1						MPAN Core
						1						Effective from Settlement Date {MSCM}
						O						Effective to Settlement Date {MSCM}

<b>Notes:</b>	
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**Version History:**

Catalogue release change takes effect	CP No.	Brief description of the change and its reason
Version 11.2	3431	Data Flow Created.
<u>Version 11.x</u>	<u>3556</u>	<u>Revision to Flow Name, Description and Group 16I Description.</u>

Flow Reference: **D0356**Flow Version: **001**

Status: Operational

<b>Flow Name:</b>	<b>Capacity MarketEMR Reporting Rejection</b>	
<b>Flow Description:</b>	Notification to the Supplier that the <b>Capacity MarketEMR</b> Reporting Notification has been rejected, giving the reason for rejection.:	
<b>Flow Ownership:</b>	BSC	
<b>From</b>	<b>To</b>	<b>Version</b>
HHDA	Supplier	11.2

**Data Items:**

Reference	Item Name
J1871	<b>Capacity MarketEMR</b> Reporting Rejection Reason Code
J1869	Effective from Settlement Date {MSCM}
J1870	Effective to Settlement Date {MSCM}
J0330	File Sequence Number
J1017	Incoming Instruction Number
J0003	MPAN Core

**Flow Structure:**

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
17I	File Sequence Number	1		G								
					1							File Sequence Number
18I	Rejected <b>Capacity MarketEMR</b> Reporting Notifications	1-*			G							
						1						Incoming Instruction Number
						O						MPAN Core
						O						Effective from Settlement Date {MSCM}
						O						Effective to Settlement Date {MSCM}
						1						<b>Capacity MarketEMR</b> Reporting Rejection Reason Code

<b>Notes:</b>	
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**Version History:**

Catalogue release change takes effect	CP No.	Brief description of the change and its reason
Version 11.2	3431	Data Item Created
<u>Version 11.x</u>	<u>3556</u>	<u>Revision to Flow Name, Description and Group 18I Description.</u>

Flow Reference: **D0357**

Flow Version: **001**

Status: Operational

<b>Flow Name:</b>	<b>Half Hourly Metered Data for <del>the Capacity</del> <u>MarketEMR</u></b>		
<b>Flow Description:</b>	Half Hourly metered data for use by the CM Settlement Services Provider in calculating CM data, <u>and/ or by the CFD Settlement Services provider in calculating CFD data.</u>		
<b>Flow Ownership:</b>	BSC		
<b>From</b>	<b>To</b>	<b>Version</b>	
HHDA	CM Settlement Services Provider	11.2	
HHDA	Supplier	11.2	
<u>HHDA</u>	<u>CFD Settlement Services Provider</u>	<u>11.X</u>	

**Data Items:**

Reference	Item Name
J0020	Actual/Estimated Indicator
J1104	GSP Group
J0103	Measurement Quantity Id
J0003	MPAN Core
J1873	Period <u>Capacity-MarketEMR</u> Line Loss
J1872	Period <u>Capacity-MarketEMR</u> Metered Data
J1087	Run Number
J1086	Run Type Code
J0146	Settlement Code
J0073	Settlement Date
J0074	Settlement Period Id
J0084	Supplier Id

**Flow Structure:**

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
19I	Data File Additional Header	1		G								
					1							Settlement Date
					1							Settlement Code
					1							Run Type Code
					1							Run Number
					1							GSP Group
20I	Supplier	1-*	If Report is for CM <u>and / or CFD</u> Settlement Services Provider	G								
					1							Supplier Id
21I	<u>Capacity-MarketEMR</u> MPAN Cores	1-*			G							
						1						MPAN Core
						1						Measurement Quantity Id
						1						Actual/Estimated Indicator
22I	Settlement Period <u>Capacity-MarketEMR</u> Metered Data	46,48,50				G						
							1					Settlement Period Id
							1					Period <u>Capacity-MarketEMR</u> Metered Data

Flow Reference: **D0357**

Flow Version: **001**

Status: Operational

								1										Period <a href="#">Capacity-MarketEMR</a> Line Loss
23I	Supplier	1	If Report is for Supplier	G														
								1										Supplier Id
24I	<a href="#">Capacity-MarketEMR</a> MPAN Cores	1-*						G										
									1									MPAN Core
									1									Measurement Quantity Id
									1									Actual/Estimated Indicator
25I	Settlement Period <a href="#">Capacity-Market-EMR</a> Metered Data	46,48,50						G										
										1								Settlement Period Id
										1								Period <a href="#">Capacity-MarketEMR</a> Metered Data
										1								Period <a href="#">Capacity-MarketEMR</a> Line Loss

**Notes:** [When constructing this flow, the HHDA will not necessarily know which MPAN Cores are relevant to the CM Settlement Services Provider, and which to the CFD Settlement Services Provider. The HHDA should therefore send the data flow to one or the other \(and rely upon arrangements put in place between the CFD and CM Settlement Services Providers to ensure that data is used for the correct purposes\). In practice, this means populating the flow header with the Market Participant Id of either Settlement Service Provider \(or with their shared Market Participant Id, if they have not been allocated separate Market Participant Ids in MDD\).](#)

**Version History:**

Catalogue release change takes effect	CP No.	Brief description of the change and its reason
Version 11.2	3431	Data Flow Created
<a href="#">Version 11.X</a>	<a href="#">3556</a>	<a href="#">Revisions to include new instance of Data Flow, introduction of flow notes and references to EMR.</a>

**Item Name:** ~~Capacity Market~~EMR Reporting Rejection Reason Code

**Item Reference:** J1871

**Item Ownership:** BSC

**Item Description:** A code which defines why the ~~Capacity Market~~EMR Reporting Notification has been rejected.

**Units:** None

**Valid Set:** Values are:-

- |    |   |
|----|---|
| 01 | HHDA not appointed to the metering point by the requesting Supplier as at EFSD {MSCM} |
| 02 | Effective From Settlement Date {MSCM} Invalid   |
| 03 | Invalid notification - notification is already effective for this metering point      |
| 04 | Effective to Settlement Date {MSCM} Invalid   |

**Validation:** As Valid Set.

**Domain:** Code

**Logical Format:** [CHAR(2)]

**Physical Length:**

[2]

**Has Synonyms:**

**Has Aliases:**

**Notes:**

**Version History:**

Catalogue release change takes effect	CR No.	Brief description of the change and its reason
Version 11.2	3431	Data Item created
<a href="#">Version 11.X</a>	<a href="#">3556</a>	<a href="#">Data Item Name and Description amended to reference EMR.</a>

**Item Name:** Effective from Settlement Date {MSCM}

**Item** J1869

**Reference:**

**Item** BSC

**Ownership:**

**Item** A Data Aggregator's view of the first inclusive settlement date that  
**Description:** an MPAN is reported for ~~the Capacity Market~~EMR.

**Units:** None

**Valid Set:** A valid date within the constraints of the format.

**Validation:** As valid set

**Domain:** Effective Date

**Logical** [DATE(8)]

**Format:**

**Physical** [8]

**Length:**

**Has Synonyms:**

**Has Aliases:**

**Notes:**

**Version History:**

Catalogue release change takes effect	CR No.	Brief description of the change and its reason
Version 11.2	3431	Data Item created.
<a href="#">Version 11.X</a>	<a href="#">3556</a>	<a href="#">Data Item Name and Description amended to reference EMR.</a>



**Item Name:** Effective to Settlement Date {MSCM}

**Item** J1870

**Reference:**

**Item** BSC

**Ownership:**

**Item** A Data Aggregator's view of the last inclusive settlement date that  
**Description:** an MPAN is reported for ~~the Capacity Market~~EMR.

**Units:** None

**Valid Set:** A valid date within the constraints of the format.

**Validation:** As Valid Set.

**Domain:** Date

**Logical** [DATE(8)]

**Format:**

**Physical** [8]

**Length:**

**Has Synonyms:**

**Has Aliases:**

**Notes:**

**Version History:**

Catalogue release change takes effect	CR No.	Brief description of the change and its reason
Version 11.2	3431	Data Item created.
<a href="#">Version 11.X</a>	<a href="#">3556</a>	<a href="#">Data Item Description amended to reference EMR.</a>

**Item Name:** ~~Period Capacity Market~~EMR Line Loss

**Item** J1873

**Reference:**

**Item** BSC

**Ownership:**

**Item** The Half Hour Line Loss for a Half Hourly Metering System used  
**Description:** for ~~the Capacity Market~~EMR.

**Units:** kWh

**Valid Set:** Any number within the constraints of the format, may be positive or negative

**Validation:** As Valid Set.

**Domain:** Consumer Energy

**Logical** [ $\pm$  NUM(9,1)]

**Format:**

**Physical** [11]

**Length:**

**Has Synonyms:**

**Has Aliases:**

**Notes:**

**Version History:**

Catalogue release change takes effect	CR No.	Brief description of the change and its reason
Version 11.2	3431	Data Item created.
<u>Version 11.X</u>	<u>3556</u>	<u>Data Item Name and Description amended to reference EMR.</u>

**Item Name:** ~~Period Capacity Market~~EMR Metered Data

**Item** J1872

**Reference:**

**Item** BSC

**Ownership:**

**Item** The Half Hour metered data for a Half Hourly Metering System

**Description:** used for ~~the Capacity Market~~EMR.

**Units:** kWh

**Valid Set:** Any number within the constraints of the format, may be positive or negative

**Validation:** As Valid Set

**Domain:** Consumer Energy

**Logical** [ $\pm$  NUM(9,1)]

**Format:**

**Physical** [11]

**Length:**

**Has Synonyms:**

**Has Aliases:**

**Notes:**

**Version History:**

Catalogue release change takes effect	CR No.	Brief description of the change and its reason
Version 11.2	3431	Data Item created.
<u>Version 11.X</u>	<u>3556</u>	<u>Data Item Name and Description amended to reference EMR.</u>