

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

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

| | |
|---------------|--|
| Notes: | |
|---------------|--|

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

| | | |
|--------------------------|--|----------------|
| Flow Name: | Capacity MarketEMR Reporting Confirmation | |
| Flow Description: | Used to notify a Supplier that their Capacity Market EMR Reporting Notification has been accepted, including verification of the notification.: | |
| Flow Ownership: | BSC | |
| From | To | Version |
| 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 Capacity Market EMR Reporting Notifications | 1-* | | | G | | | | | | | |
| | | | | | | 1 | | | | | | Incoming Instruction Number |
| | | | | | | 1 | | | | | | MPAN Core |
| | | | | | | 1 | | | | | | Effective from Settlement Date {MSCM} |
| | | | | | | O | | | | | | Effective to Settlement Date {MSCM} |

| | |
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| Notes: | |
|---------------|--|

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

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

Data Items:

| Reference | Item Name |
|-----------|---|
| J1871 | Capacity MarketEMR 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 Capacity MarketEMR Reporting Notifications | 1-* | | | G | | | | | | | |
| | | | | | | 1 | | | | | | Incoming Instruction Number |
| | | | | | | O | | | | | | MPAN Core |
| | | | | | | O | | | | | | Effective from Settlement Date {MSCM} |
| | | | | | | O | | | | | | Effective to Settlement Date {MSCM} |
| | | | | | | 1 | | | | | | Capacity MarketEMR Reporting Rejection Reason Code |

Notes:**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

| | | |
|--------------------------|---|----------------|
| Flow Name: | Half Hourly Metered Data for the Capacity <u>MarketEMR</u> | |
| Flow Description: | 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> | |
| Flow Ownership: | BSC | |
| From | To | Version |
| 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 Capacity-MarketEMR Line Loss |
| J1872 | Period Capacity-MarketEMR 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 | Capacity-MarketEMR MPAN Cores | 1-* | | | G | | | | | | | |
| | | | | | | 1 | | | | | | MPAN Core |
| | | | | | | 1 | | | | | | Measurement Quantity Id |
| | | | | | | 1 | | | | | | Actual/Estimated Indicator |
| 22I | Settlement Period Capacity-MarketEMR Metered Data | 46,48,50 | | | | G | | | | | | |
| | | | | | | | 1 | | | | | Settlement Period Id |
| | | | | | | | 1 | | | | | Period Capacity-MarketEMR Metered Data |

Flow Reference: **D0357**

Flow Version: **001**

Status: Operational

| | | | | | | | | | | | | | | | | | | |
|-----|--|----------|---------------------------|---|--|--|--|---|---|---|--|--|--|--|--|--|--|---|
| | | | | | | | | 1 | | | | | | | | | | Period Capacity-MarketEMR Line Loss |
| 23I | Supplier | 1 | If Report is for Supplier | G | | | | | | | | | | | | | | |
| | | | | | | | | 1 | | | | | | | | | | Supplier Id |
| 24I | Capacity-MarketEMR MPAN Cores | 1-* | | | | | | G | | | | | | | | | | |
| | | | | | | | | | 1 | | | | | | | | | MPAN Core |
| | | | | | | | | | 1 | | | | | | | | | Measurement Quantity Id |
| | | | | | | | | | 1 | | | | | | | | | Actual/Estimated Indicator |
| 25I | Settlement Period Capacity-Market-EMR Metered Data | 46,48,50 | | | | | | G | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | | | | | Settlement Period Id |
| | | | | | | | | | | 1 | | | | | | | | Period Capacity-MarketEMR Metered Data |
| | | | | | | | | | | 1 | | | | | | | | Period Capacity-MarketEMR 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 |
| Version 11.X | 3556 | Revisions to include new instance of Data Flow, introduction of flow notes and references to EMR. |

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 |
| Version 11.X | 3556 | Data Item Name and Description amended to reference EMR. |

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. |
| Version 11.X | 3556 | Data Item Name and Description amended to reference EMR. |

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. |
| Version 11.X | 3556 | Data Item Description amended to reference EMR. |

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> |