



MARKET PARTICIPANT UPDATE DOCUMENT
MARKET INTERFACE VOLUME 2:
REPORTING
SEM R2.5.0
V1.0

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Document History

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| 1.0 | 10 July 2014 | SEMO | Initial Draft – Release 2.5.0 |

Distribution List

| Name | Organisation |
|---------------------|--------------|
| Market Participants | |

Source / Reference Documents

| Document Name | Document Reference |
|---|--------------------|
| MPUD Overarching Volume | 1.0 |
| MPUD Market Interface Volume 1 Trading & Registration | 1.0 |
| MPUD Market Interface Volume 2 Reporting | 1.0 |
| MPUD Technical Volume | 1.0 |

2 DISCLAIMER AND CONTENT INFORMATION

This document has been prepared to provide Market Participants with sufficient information in order to develop their own systems to interface with the SEM.

The following disclaimers relate to the content of this document and associated volumes and any use by Market Participants of the information provided therein.

1. SEMO accepts no responsibility for decisions made or actions taken by Market Participants as a result of the information presented in this document or associated documents. Furthermore, SEMO does not indemnify any commercial or organisational decisions made by Market Participants in relation to the information herein.
2. This document represents the most up-to-date information on the Central Market Systems (CMS) as they have been developed. With this in mind, it is not appropriate simply to compare the document against an issued version of the Trading and Settlement Code (T&SC). Instead, it is a combination of Version 15.0 of the T&SC and subsequently agreed Change Requests.
3. The information provided in this document is based entirely on documentation and information provided by the software vendor. Although SEMO has made all reasonable efforts to ensure that the information presented is correct, it cannot guarantee the information provided.
4. The Code references presented in this document are intended to guide Market Participants to relevant sections of the market rules. It is not a one-to-one mapping, as this would be impossible due to the inherent differences between market rules and the requirements of trading systems.
5. Further changes to the processes described or schema elements presented may result as new information comes to light during future phases of the market development. To mitigate the impact of such changes, SEMO will be issuing planned updates to this document and associated documents (where appropriate). Updates to this document will be consistent with ***Agreed Procedure 11 – Market System Operation, Test, Upgrading and Support.***

3 INTRODUCTION

The Market Participant Update Document (MPUD) exists across a number of volumes to assist Market Participants in building their systems to interface with the SEM Central Market Systems (CMS).

This document is one of two volumes which address the **functional aspects** of the Market Interface (MI) which is available for Market Participants to communicate with the CMS. This volume covers all reporting aspects of the MI. Other aspects of the MI are addressed in the companion volume ***MPUD Market Interface Volume 1 – Trading & Registration SEM R2.5.0.***

The focus of this document is on the Type 3 Communication Channel, i.e. submission and retrieval of SEM Reports via Web Services. In addition, some of the introductory sections also refer to the Type 2 Communication Channel (i.e. data submission and retrieval using the Market Participant Interface).

The sections of this document are as follows:

- Section 4: MPI Reports
- Section 5: Settlement Reports

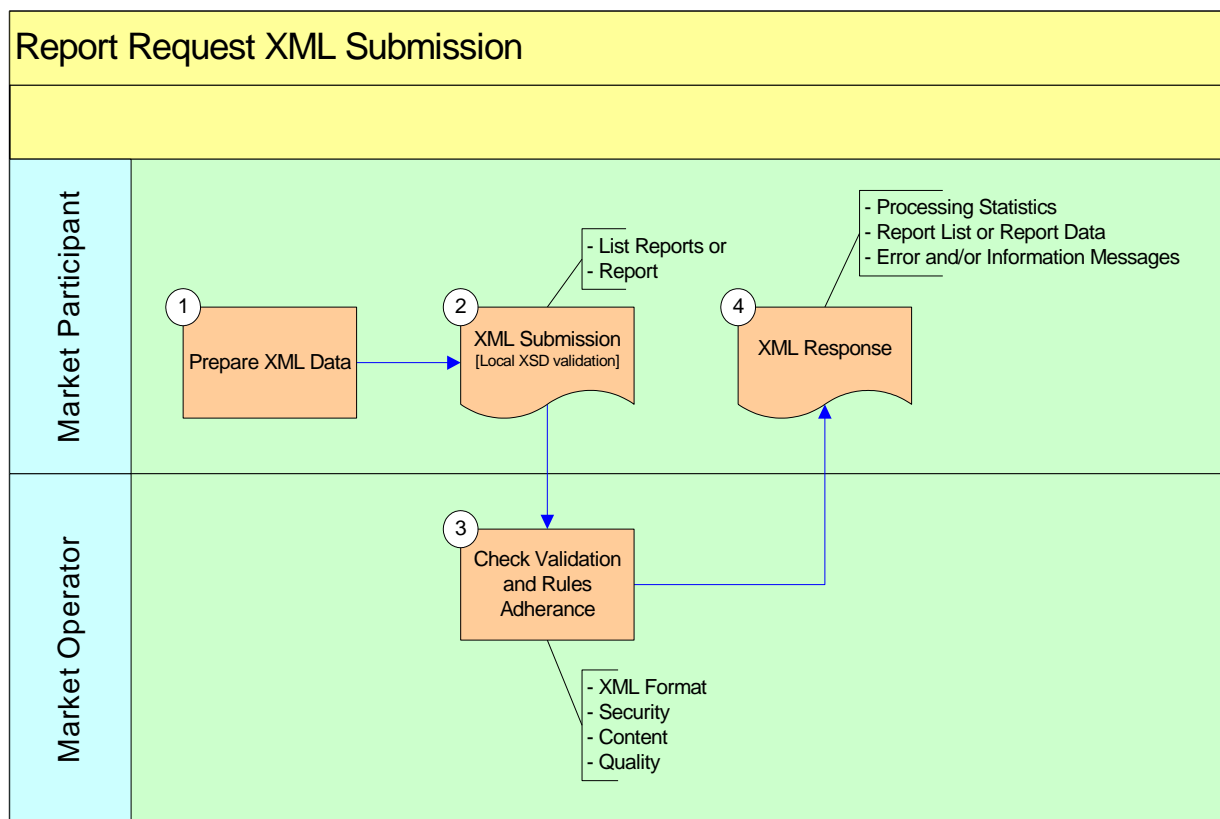
4 MPI REPORTS

MPI reports are reports which are available through the Market Participant Interface via Type 2 or Type 3 communications.

4.1 TYPE 3 REPORT LIST / REPORT QUERY PROCESS

Market Participants may choose to get a List of Reports first, and then request a specific report. If sufficient parameters are used as part of a List Report request, a single report can be searched for. This approach may be used by Market Participants to determine if a report is available.

The following diagram illustrates the process of requesting a Report or a Report List:



Stage 1: Market Participants prepare the XML Data (details on how this needs to be packaged, in terms of SOAP, WSDL, etc. are covered in the *MPUD Technical Volume*).

Stage 2: A Report or a List of Reports can be requested and will typically be validated on the client (Market Participant) system to ensure compliance with the XML Schema rules.

Stage 3: The Transaction is received by the CMS and validation checks, including business rules, are applied.

Stage 4: If the Stage 3 tests are passed then the Report or List of Reports is issued to the Market Participant as an XML response. If the request is unsuccessful, a response is issued detailing the relevant errors.

4.2 REPORT QUERY VALIDATIONS

The following sections describe the validations applied to Type 3 (XML) report and report list queries.

4.2.1 VALIDATIONS ON GENERIC PARAMETERS

| Name | Mandatory / Optional | Validation |
|------------------|----------------------|---|
| APPLICATION_TYPE | Mandatory | Must be "MARKET_REPORT". |
| PARTICIPANT_NAME | Mandatory | Must be STRING. |
| | | Must be validation combination with USER_NAME. |
| | | Must have system privileges to allow Market Trading. |
| USER_NAME | Mandatory | Must be STRING. |
| | | Must be validation combination with PARTICIPANT_NAME. |
| | | User must have system privileges for Market Trading. |
| MODE | Mandatory | Must be NORMAL. |

4.2.2 VALIDATIONS ON REPORT AND LIST REPORT PARAMETERS

| Name | Mandatory / Optional | Validation |
|-----------------|--|--|
| REQUEST_TYPE | Mandatory | "LIST REPORTS" or "REPORT". |
| ACTION | Mandatory | Must be "DOWNLOAD". |
| REPORT_TYPE | Mandatory | Valid REPORT_TYPE and REPORT_SUB_TYPE combinations: APPLICATION – ADHOC ¹ APPLICATION – NOTIFICATIONS MARKET – ADHOC MARKET – DAY_AHEAD MARKET – DAY_AHEAD_STANDING_OPEN MARKET – DAY_AHEAD_STANDING_CLOSE MARKET – MISCELLANEOUS MARKET – METERING REGISTRATION – ADHOC REGISTRATION – MP_ACTIVITY TRANS_SYSTEM – ADHOC TRANS_SYSTEM – FORECASTS TRANS_SYSTEM – INTERCONNECTOR TRANS_SYSTEM – MISCELLANEOUS TRANS_SYSTEM – METERING TRANS_SYSTEM – OUTAGES |
| REPORT_SUB_TYPE | Mandatory for request_type "REPORT" | |
| | Optional for request_type "LIST_REPORTS" | |
| PERIODICITY | Mandatory | Valid PERIODICITY: DAILY, MONTHLY, YEARLY, ADHOC |
| ACCESS_CLASS | Optional | MP (MP Specific reports); ALLMP (All MP specific reports); PUB (Public reports). |

¹ If report_sub_type = "ADHOC", then periodicity should also be "ADHOC".

| Name | Mandatory / Optional | Validation |
|------------|----------------------|--|
| VERSION_NO | Mandatory | Must be "1.0". |
| TRADE_DATE | Optional | YYYY-MM-DD For Daily market reports, the entire date is used. For monthly and yearly reports, the month and year are extracted from the trade date. |

4.2.3 VALIDATIONS ON REPORT SPECIFIC PARAMETERS

| Name | Mandatory / Optional | Validation |
|-------------------|----------------------|--|
| FILE_TYPE | Mandatory | "XML" or "HTML" – The format of the report to be downloaded. |
| REPORT_NAME | Mandatory | Must be STRING. |
| FILE_NAME | Mandatory | Must be STRING. |
| MULTIPLE_MESSAGES | Mandatory | Must be "false". |

4.3 MPI REPORTS AND CONTENT DETAILS

This section provides details and contents of the reports available via the MPI. Each report listed in this section is available in both HTML and XML file formats, with the exception of Annual reports, which are available in ZIP file format.

Report Categories (confidentiality)

- **General Public:** The report data is available to all Market Participants. The REPORT_NAME in each REPORT_HEADER will start with the prefix “PUB”.
- **Member Private:** The report data is specific to the Market Participant. This is determined by the digital certificate used to download the report.

Important Notes:

- ➔ For all reports listed in this section, any fields which contain no values (null values) are represented in the reports by a hyphen (“-”).
- ➔ The report timings listed for each report represent the time that the report generation event is triggered in the Central Market Systems (CMS). It is not indicative of the exact time that report will be available for download. .

Report element format types referenced in this section are defined in the following table:

| Format | Description | Example |
|----------------------------------|--|--|
| CHAR(x) | Character field of exactly length x. | CHAR(1) = 'P' |
| VARCHAR2(x) | Character field of length x or less | VARCHAR2(4) = 'NPEG' But also VARCHAR2(4) = 'NI' |
| NUMBER(x, y) | Number field: x : number of digits (including after the decimal). y : number of digits to the right of the decimal. Where no values to the right of the decimal point exist, there will be no y value in the format definition. When there is no value available for the field in the MO database, the reports will populate the field with '-'. As such, this is not a NUMBER value in the true database sense, and interfaces to handle report downloads should be written to cater for this. | NUMBER(8,3) = 99999.999 |
| DATE (DD/MM/YYYY) | Date, format defined in parenthesis. When there is no value available for the DATE field in the MO database, the reports will populate the field with '-'. As such, this is not a DATE value in the true database sense, and interfaces to handle report downloads should be written to cater for this. | 31/01/2007 |
| DATE (DD/MM/YYYY HH:MM:SS) | Date and Time, format utilising a 24-hour clock. When there is no values available for the DATE field in the MO database, the reports will populate the field with '-'. As such, this is not a DATE value in the true database sense, and interfaces to handle report downloads | 31/01/2007 19:59:50 |

| Format | Description | Example |
|--------|--------------------------------------|---------|
| | should be written to cater for this. | |

4.3.1 DAILY EX-ANTE MARKET SCHEDULE DETAIL (MP)

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: MP_D_ExAnteMktSchDetail

File Names: MP_D_ExAnteMktSchDetail_<RUN_TYPE>

Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Ex-Ante Market Schedule Detail (D-1) (MP)

Audience: Market Participant Specific (MP)

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Following completion of each Ex-Ante MSP Software Run (EA, EA2 or WD1)

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1) |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| MSQ | NUMBER(8,3) | Aggregate Market Schedule Quantity. |

| Element Name | Format | Description |
|---------------|-------------|----------------------------------|
| SMP | NUMBER(8,2) | Aggregate System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.2 DAILY INDICATIVE EX-POST MARKET SCHEDULE DETAIL

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: MP_D_ExPostMktSchDetail
 File Name: MP_D_ExPostMktSchDetail
 Report Title: Daily Indicative Ex-Post Market Schedule Detail (D+1) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day, following each Ex-Post Indicative MSP Software Run at 15:20 TD+1

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |

| | | |
|----------------------|--------------|--|
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1). (This is needed to identify an Interconnector Unit) |
| SCHEDULE_QUANTITY | NUMBER(8,3) | Market Schedule Quantity. |
| SMP | NUMBER(8,2) | System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| ACTUAL_AVAIL | NUMBER(11,3) | Actual Availability (AAuh) |
| MINIMUM_GENERATION | NUMBER(11,3) | Minimum Generation MW. |
| MINIMUM_OUTPUT | NUMBER(11,3) | Minimum Output. |
| AVAILABILITY_PROFILE | NUMBER(11,3) | Availability Profile (APuh) |

4.3.3 DAILY EX-POST INDICATIVE ACTUAL LOAD SUMMARY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ActualLoadSummary
 File Name: PUB_D_ActualLoadSummary
 Report Title: Daily Ex-Post Indicative Actual Load Summary (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:45 TD+1

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |

| | | |
|----------------|-------------|--------------------|
| ACTUAL_LOAD_MW | NUMBER(8,3) | Actual Load in MW. |
|----------------|-------------|--------------------|

4.3.4 DAILY INDICATIVE ACTUAL SCHEDULES (MP)

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: MP_D_IndicativeActualSchedules
 File Name: MP_D_IndicativeActualSchedules
 Report Title: Daily Indicative Actual Schedule (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: 15:59 TD-1, 01:00 TD.

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values are: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_MW | NUMBER(8,3) | Operational Schedule Quantity (MW values). |

| Element Name | Format | Description |
|--------------|-------------------------------|--|
| POST_TIME | DATE (DD/MM/YYYY, HH24:MI:SS) | Time at which RCUC has generated the current Operational Schedule. |

4.3.5 DAILY WITHIN DAY ACTUAL SCHEDULES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: MP_D_WithinDayActualSchedules
 File Name: MP_D_WithinDayActualSchedules
 Report Title: Daily Within Day Actual Schedules (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: 00:01 TD+1
 04:00 TD+1
 08:00 TD
 12:00 TD
 16:00 TD
 20:00 TD

| Element Name | Format | Description |
|---------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |

| Element Name | Format | Description |
|-------------------|----------------------------------|--|
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_MW | NUMBER(8,3) | Operational Schedule Quantity (MW values). |
| POST_TIME | DATE (DD/MM/YYYY, HH24:MI:SS) | Time at which RCUC has generated the current Operational Schedule. |

4.3.6 DAILY METER DATA DETAIL D+1 (PRICE EFFECTING)

Report Type: Market
 Report Sub-Type: Metering
 Periodicity: Daily
 Report Name: MP_D_MeterDataDetailD1
 File Name: MP_D_MeterDataDetailD1
 Report Title: Metered Data Detail (D+1) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| METERED_MW | NUMBER(8,3) | Metered MW represents the total generation when the resource type is PPMG, PPTG, VPMG, and APTG. Metered MW represents the total load when the resource type is DU and SU. |

| Element Name | Format | Description |
|-------------------------|-------------|---|
| METER_TRANSMISSION_TYPE | VARCHAR2(4) | Transmission Type: <ul style="list-style-type: none"> • PED – Price Effecting Demand; • PEG – Price Effecting Generation; • NPED – Non-Price Effecting Demand; • NPEG – Non-Price Effecting Generation. • CJF – Cross-Jurisdictional Power Flow. |

4.3.7 DAILY METER DATA DETAIL D+3 (PRICE EFFECTING)

Report Type: Market
 Report Sub-Type: Metering
 Periodicity: Daily
 Report Name: MP_D_MeterDataDetailD3
 File Name: MP_D_MeterDataDetailD3
 Report Title: Metered Data Detail (D+3) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day

| Element Name | Format | Description |
|---------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |

| Element Name | Format | Description |
|-------------------------|--------------|---|
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| METERED_MW | NUMBER(8,3) | Metered MW represents the total generation when the resource type is PPMG, PPTG, VPMG, and APTG. Metered MW represents the total load when the resource type is DU and SU. |
| METER_TRANSMISSION_TYPE | VARCHAR2(12) | Transmission Type: <ul style="list-style-type: none"> • PED – Price Effecting Demand; • PEG – Price Effecting Generation; • NPED – Non-Price Effecting Demand; • NPEG – Non-Price Effecting Generation; • CJF – Cross-Jurisdictional Power Flow. |

4.3.8 DAILY INITIAL EX-POST MARKET SCHEDULE DETAILS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: MP_D_InitialExPostMktSchDetail
 File Name: MP_D_InitialExPostMktSchDetail
 Report Title: Daily Initial Ex-Post Market Schedule Details (D+4) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following completion of each Ex-Post Initial MSP Software Run (EP2) at 15:45 TD+4.

| Element Name | Format | Description |
|------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |

| Element Name | Format | Description |
|----------------------|-------------------|---|
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| SCHEDULE_QUANTITY | NUMBER(8,3) | Market Schedule Quantity. |
| INITIAL_SMP | NUMBER(8,2) | System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| ACTUAL_AVAIL | NUMBER(8,3) | Actual Availability (AAuh) |
| MINIMUM_GENERATION | NUMBER(8,3) | Minimum Generation MW. |
| MINIMUM_OUTPUT | NUMBER(8,3) | Minimum Output. |
| AVAILABILITY_PROFILE | NUMBER(8,3) | Availability Profile (APuh) |

4.3.9 DAILY EX-POST INITIAL SHADOW PRICES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_EPInitShadowPrices
 File Name: PUB_D_EPInitShadowPrices
 Report Title: Daily Ex-Post Initial Shadow Prices (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 16:10 TD+4

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(1) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| SHADOW_PRICE | NUMBER(8,2) | The additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |

4.3.10 DAILY EX-ANTE INDICATIVE SHADOW PRICES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_EAShadowPrices
 File Name: PUB_D_EAShadowPrices_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.
 Report Title: Daily Ex-Ante Indicative Shadow Prices (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Upon completion of each Ex-Ante MSP Software Run (EA, EA2 or WD1) at the following times: 10:59 TD-1
 12:59 TD-1
 07:29 TD

| Element Name | Format | Description |
|--------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |

| Element Name | Format | Description |
|-------------------|-------------------|---|
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(1) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | Ex-Ante MSP Software Run applicable to the report (EA, EA2 or WD1). |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| SHADOW_PRICE | NUMBER(8,2) | The additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |

4.3.11 DAILY EX-POST INDICATIVE SHADOW PRICES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_EPIndShadowPrices
 File Name: PUB_D_EPIndShadowPrices
 Report Title: Daily Ex Post Indicative Shadow Prices (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:30 TD+1.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(1) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| SHADOW_PRICE | NUMBER(8,2) | The additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |

4.3.12 MONTHLY ALL GENERATOR OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.13 MONTHLY PLANNED GENERATOR OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.14 MONTHLY GENERATOR OUTAGE SUMMARY

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.15 DAILY GENERATOR OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.16 DAILY INTERCONNECTOR CAPACITY ACTIVE HOLDINGS (MP)

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: MP_D_IntconnCapActHoldResults
 File Name: MP_D_IntconnCapActHoldResults
 Report Title: Daily Interconnector Capacity Active Holdings (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day, at 09:26 TD-1.

| Element Name | Format | Description |
|--------------------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| INTERCONNECTOR_EXPORT_CAPACITY | NUMBER(8,3) | Maximum Interconnector Export Capacity offered on the Interconnector Unit in each Trading Period in the optimisation time horizon of the Indicative Market Schedule. |
| INTERCONNECTOR_IMPORT_CAPACITY | NUMBER(8,3) | Maximum Interconnector Import Capacity offered on the Interconnector Unit in each Trading Period in the optimisation time horizon of the Indicative Market Schedule. |

4.3.17 INTENTIONALLY BLANK

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4.3.18 DAILY EX-ANTE INTERCONNECTOR NOMINATIONS

Report Type: System

Report Sub-Type: Interconnector

Periodicity: Daily

Report Name: MP_D_ExAnteIntconnNominations

File Name: MP_D_ExAnteIntconnNominations_<RUN_TYPE>
Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Ex-Ante Interconnector Nominations (D-1) (MP)

Audience: Market Participant Specific (MP)

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Following completion of each Ex-Ante MSP Software Run (EA, EA2 or WD1)

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RUN_TYPE | VARCHAR2(4) | Ex-Ante MSP Software Run applicable to the report (EA, EA2 or WD1). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour the first half-hour and 2 denotes the second half-hour). |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit as calculated by the relevant Ex-Ante Market Schedule. |

4.3.19 DAILY EX-POST INDICATIVE INTERCONNECTOR NOMINATIONS

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: MP_D_ExPostIndIntconnNominations
 File Name: MP_D_ExPostIndIntconnNominations
 Report Title: Daily Ex-Post Indicative Interconnector Nominations (D+1) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following successful completion of each EP1 MSP Software Run

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EP1). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit as calculated by the Indicative Ex-Post Market Schedule. |

4.3.20 DAILY EX-POST INITIAL INTERCONNECTOR NOMINATIONS

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: MP_D_ExPostInitIntconnNominations
 File Name: MP_D_ExPostInitIntconnNominations
 Report Title: Daily Ex-Post Initial Interconnector Nominations (D+4) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following successful completion of each EP2 MSP Software Run

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EP2). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit as calculated by the Initial Ex-Post Market Schedule. |

4.3.21 DAILY INTERCONNECTOR MODIFIED NOMINATIONS

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily

Report Name: MP_D_IntconnModNominations
 File Name: MP_D_IntconnModNominations
 Report Title: Daily Interconnector Modified Nominations (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following receipt of MIUN Data Transaction

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit. |

4.3.22 DAILY REVISED INTERCONNECTOR MODIFIED NOMINATIONS (D+1)

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: MP_D_RevIntconnModNominations
 File Name: MP_D_RevIntconnModNominations
 Report Title: Daily Revised Interconnector Modified Nominations (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D-1)

Frequency: Day After Trading Day at 15:00 (TD+1)

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit, after output from Indicative Market Schedule is verified against capacity allocations on the Interconnector. |

4.3.23 DAILY REVISED INTERCONNECTOR MODIFIED NOMINATIONS (D+4)

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: MP_D_RevIntconnModNominationsD4
 File Name: MP_D_RevIntconnModNominationsD4
 Report Title: Daily Revised Interconnector Modified Nominations (D+4) (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D-1)
 Frequency: Four Days After Trading Day at 15:45 (TD+4).

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit, after output from Initial Market Schedule is verified against capacity allocations on the Interconnector. |

4.3.24 DAILY AGGREGATED INTERCONNECTOR UNIT NOMINATIONS

Report Type: System

Report Sub-Type: Interconnector

Periodicity: Daily

Report Names: MP_D_AggIntconnUsrNominations

File Name: MP_D_AggIntconnUsrNominations_<RUN_TYPE>
Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Aggregated Interconnector Unit Nominations (MP)

Audience: Market Participant Specific (MP)

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Automatically following successful completion of each Ex-Ante MSP Software Run (EA, EA2 or WD1).

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | Resource Name (Interconnector) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit, after output from Indicative Market Schedule is verified against capacity allocations on the Interconnector. |

4.3.25 DAILY MARKET OPERATIONS NOTIFICATIONS

Report Type: Application
 Report Sub-Type: Notifications
 Periodicity: Daily
 Report Name: PUB_D_AdvInfo
 File Name: PUB_D_AdvInfo
 Report Title: Daily Market Operations Notifications (PUBLIC)
 Audience: Public
 Resolution: As Issued (Time Stamped)
 Frequency: Once Every Day at 04:00 TD+1

| Element Name | Format | Description |
|------------------|---------------------------------|---|
| ISSUE_DATE | DATE (DD/MM/YYYY HH24:MI:SS) | Notification Issue time stamp. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. (Always “ALL”.) |
| SEVERITY | CHAR(1) | Issue priority. |
| MESSAGE | VARCHAR2(252) | Issue content. |

4.3.26 DAILY DISPATCH INSTRUCTIONS (D+1)

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_DispatchInstructions
 File Name: PUB_D_DispatchInstructions
 Report Title: Daily Dispatch Instructions (D+1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:30 TD+1

| Element Name | Format | Description |
|------------------------------|------------------------------------|--|
| INSTRUCTION_TIMESTAMP | DATE (DD/MM/YYYY HH24:MI:SS) | Dispatch Instruction effective time stamp. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DISPATCH_INSTRUCTION | NUMBER(8,3) | An instruction (MW) given by the System Operator to the Generator or the Generator's approved representative for the scheduling of a generating unit or for changes to the output manner of operation of a Generation Unit in accordance with the Grid Code. |
| INSTRUCTION_CODE | VARCHAR2(4) | Instruction Code, denoting instructions such as MWOFF and SYNC given to Generating Units and Demand Side Units. |
| INSTRUCTION_COMBINATION_CODE | VARCHAR2(4) | Instruction Combination Code. |
| INSTRUCTION_ISSUE_TIME | DATE (DD/MM/YYYY HH24:MI:SS) | Instruction Issue Time (the time at which the instruction was issued). |
| RAMP_UP_RATE | NUMBER(8,3) | Ramp Up Rate (used in NI only to limit ramping for operational reasons) |
| RAMP_DOWN_RATE | NUMBER(8,3) | Ramp Down Rate (used in NI only to limit ramping for operational reasons). |

4.3.27 DAILY DISPATCH INSTRUCTIONS (D+3)

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_DispatchInstructionsD3
 File Name: PUB_D_DispatchInstructionsD3
 Report Title: Daily Dispatch Instructions (D+3) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:30 TD+3

| Element Name | Format | Description |
|------------------------------|------------------------------------|--|
| INSTRUCTION_TIMESTAMP | DATE (DD/MM/YYYY HH24:MI:SS) | Dispatch Instruction effective time stamp. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DISPATCH_INSTRUCTION | NUMBER(8,3) | An instruction (MW) given by the System Operator to the Generator or the Generator's approved representative for the scheduling of a generating unit or for changes to the output manner of operation of a Generation Unit in accordance with the Grid Code. |
| INSTRUCTION_CODE | VARCHAR2(4) | Instruction Code, denoting instructions such as MWOF and SYNC given to Generating Units and Demand Side Units. |
| INSTRUCTION_COMBINATION_CODE | VARCHAR2(4) | Instruction Combination Code. |
| INSTRUCTION_ISSUE_TIME | DATE (DD/MM/YYYY HH24:MI:SS) | Instruction Issue Time (the time at which the instruction was issued). |
| RAMP_UP_RATE | NUMBER(8,3) | Ramp Up Rate (used in NI only to limit ramping for operational reasons) |
| RAMP_DOWN_RATE | NUMBER(8,3) | Ramp Down Rate (used in NI only to limit ramping for operational reasons). |

4.3.28 DAILY INTERCONNECTOR NET ACTUAL

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_IntconnNetActual
 File Name: PUB_D_IntconnNetActual
 Report Title: Daily Interconnector Net Actual (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Automatically following completion of each MSP Software Run (EA, EA2, WD1, EP1, EP2)

Note: This report will be overwritten each time it is published on the same day.

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | Resource Name (Interconnector) |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_MW | NUMBER(8,3) | Market Schedule |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |

4.3.29 DAILY EX-ANTE MARKET SCHEDULE SUMMARY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExAnteMktSchSummary
 File Name: PUB_D_ExAnteMktSchSummary_<RUN_TYPE>

Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Ex-Ante Market Schedule Summary (D-1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following completion of each Ex-Ante MSP Software Run (EA, EA2 or WD1)

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| AGGREGATED_MSQ | NUMBER(8,3) | Aggregate Market Schedule Quantity |
| SMP | NUMBER(8,2) | System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.30 DAILY EX-ANTE MARKET SCHEDULE DETAIL (PUBLIC)

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExAnteMktSchDetail
 File Name: PUB_D_ExAnteMktSchDetail_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.
 Report Title: Daily Ex-Ante Market Schedule Detail (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: PUB_D_ExAnteMktSchDetail_EA at 09:00am TD+1
 PUB_D_ExAnteMktSchDetail_EA2 at 10:45am TD+1
 PUB_D_ExAnteMktSchDetail_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| MSQ | NUMBER(8,3) | Market Schedule Quantity. |

4.3.31 DAILY INDICATIVE EX-POST MARKET SCHEDULE SUMMARY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExPostMktSchSummary
 File Name: PUB_D_ExPostMktSchSummary
 Report Title: Daily Indicative Ex-Post Market Schedule Summary (D+1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Once Every Day at 15:20 TD+1

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| AGGREGATED_MSQ | NUMBER(8,3) | Aggregate Market Schedule Quantity. |
| SMP | NUMBER(8,2) | System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.32 DAILY METER DATA SUMMARY D+1 (PRICE EFFECTING)

Report Type: Market
 Report Sub-Type: Metering
 Periodicity: Daily
 Report Name: PUB_D_MeterDataSummaryD1
 File Name: PUB_D_MeterDataSummaryD1
 Report Title: Daily Meter Data Summary (D+1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Daily at 15:45 TD+1

| Element Name | Format | Description |
|---------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |

| Element Name | Format | Description |
|-------------------|-------------|--|
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| TOTAL_GENERATION | NUMBER(8,3) | Total Generation for Price Effecting Generation. |
| TOTAL_LOAD | NUMBER(8,3) | Total Demand for Price Effecting Demand. |

4.3.33 DAILY METER DATA SUMMARY D+3 (PRICE EFFECTING)

Report Type: Market
 Report Sub-Type: Metering
 Periodicity: Daily
 Report Name: PUB_D_MeterDataSummaryD3
 File Name: PUB_D_MeterDataSummaryD3
 Report Title: Daily Meter Data Summary (D+3) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:45 TD+3

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| TOTAL_GENERATION | NUMBER(8,3) | Total Generation for Price Effecting Generation. |
| TOTAL_LOAD | NUMBER(8,3) | Total Demand for Price Effecting Demand. |

4.3.34 DAILY INDICATIVE EX-POST MARKET SCHEDULE QUANTITY

Report Type: Market
 Report Sub-Type: DAY_AHEAD

Periodicity: Daily
 Report Name: PUB_D_ExPostMktSchDetail
 File Name: PUB_D_ExPostMktSchDetail
 Report Title: Daily Indicative Ex-Post MSQ Detail (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day, Following EP1 MSP Software Run at 15:45 TD+1.

| Element Name | Format | Description |
|----------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | <p>Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker</p> <p>Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I.</p> |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_QUANTITY | NUMBER(8,3) | Market Schedule Quantity. |
| ACTUAL_AVAIL | NUMBER(8,3) | Actual Availability (AAuh) |
| MINIMUM_GENERATION | NUMBER(8,3) | Minimum Generation MW. |
| MINIMUM_OUTPUT | NUMBER(8,3) | Minimum Output |
| AVAILABILITY_PROFILE | NUMBER(8,3) | Availability Profile (APuh). |

4.3.35 DAILY INDICATIVE EX-POST MARKET PRICES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_IndicativeMarketPrices
 File Name: PUB_D_IndicativeMarketPrices
 Report Title: Daily Indicative Ex-Post Market Prices (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day following the EP1 MSP Software Run at 15:20 TD+1

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SMP | NUMBER(8,2) | Aggregate System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.36 DAILY INITIAL EX-POST MARKET PRICES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_InitialMarketPrices
 File Name: PUB_D_InitialMarketPrices
 Report Title: Daily Initial Ex-Post Market Prices (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day following the EP2 MSP Software Run at 15:45 TD+4.

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SMP | NUMBER(8,2) | Aggregate System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.37 DAILY MARKET PRICES AVERAGES (SMP)

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_MarketPricesAverages
 File Name: PUB_D_MarketPricesAverages
 Report Title: Daily Market Prices Averages (SMP) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following completion of each MSP Software Run (EA, EA2, WD1, EP1 or EP2)

Note: This report will be overwritten each time it is published on the same day.

| Element Name | Format | Description |
|--------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| SMP_AVERAGE | NUMBER(8,2) | Average SMP for the day. |

| | | |
|---------------|-------------|--|
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| RUN_TYPE | VARCHAR2(4) | MSP Software run applicable to the report. |

4.3.38 DAILY TRADING DAY EXCHANGE RATE

Report Type: Market
 Report Sub-Type: Miscellaneous
 Periodicity: Daily
 Report Name: PUB_D_ExchangeRate
 File Name: PUB_D_ExchangeRate
 Report Title: Daily Trading Day Exchange Rate (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 16:30 TD-2

| Element Name | Format | Description |
|---------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| FROM_CURRENCY | CHAR(1) | <p>The currency to which the Exchange Rate will be applied to calculate the monetary value in another currency:</p> <ul style="list-style-type: none"> E – Euro; P – Pound. |
| TO_CURRENCY | CHAR(1) | <p>The currency in which the Exchange Rate calculation will generate a monetary value:</p> <ul style="list-style-type: none"> E – Euro; P – Pound. |
| EXCHANGE_RATE | NUMBER(4,4) | <p>The Trading Day Exchange Rate is the exchange rate between the FROM_CURRENCY and the TO_CURRENCY. For the SEM, the only available currencies are Sterling (P) and Euro (E).</p> |

4.3.39 ANNUAL MARKET PRICE PARAMETERS

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.40 DAILY INITIAL EX-POST MARKET SCHEDULE SUMMARY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_InitialExPostMktSchSummary
 File Name: PUB_D_InitialExPostMktSchSummary
 Report Title: Daily Initial Ex-Post Market Schedule Summary (D+4) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day after the EP2 MSP Software Run at 15:45 TD+4.

| Element Name | Format | Description |
|-------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| AGGREGATED_MSQ | NUMBER(8,3) | Aggregate Market Schedule Quantity. |
| INITIAL_SMP | NUMBER(8,2) | Aggregate System Marginal Price. |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |

4.3.41 DAILY INITIAL EX-POST MARKET SCHEDULE QUANTITY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_InitialExPostMktSchDetail
 File Name: PUB_D_InitialExPostMktSchDetail
 Report Title: Daily Initial Ex-Post MSQ Details (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day after the EP2 MSP Software Run at 15:45 TD+4.

| Element Name | Format | Description |
|----------------------|-------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker Permitted values include: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_QUANTITY | NUMBER(8,3) | Market Schedule Quantity. |
| ACTUAL_AVAIL | NUMBER(8,3) | Actual Availability (AAuh). |
| MINIMUM_GENERATION | NUMBER(8,3) | Minimum Generation MW. |
| MINIMUM_OUTPUT | NUMBER(8,3) | Minimum Output. |
| AVAILABILITY_PROFILE | NUMBER(8,3) | Availability Profile (APuh) |

4.3.42 DAILY JURISDICTION ERROR SUPPLY MW (D+15)

Report Type: Market
 Report Sub-Type: Metering
 Periodicity: Daily
 Report Name: PUB_D_JurisdictionErrorSupplyD15
 File Name: PUB_D_JurisdictionErrorSupplyD15

Report Title: Daily Jurisdiction Error Supply MW (D+1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 16:15 TD+15.

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| JESU_MW | NUMBER(8,3) | Metered data in MW for Jurisdictional Error Supply Unit. |

4.3.43 DAILY EX-ANTE INDICATIVE OPERATIONS SCHEDULE

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExAnteIndicativeOpsScheduleDetails
 File Name: PUB_D_ExAnteIndicativeOpsScheduleDetails
 Report Title: Daily Ex-Ante Indicative Operations Schedules Detail (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:55 TD+1.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|-------------------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SCHEDULE_MW | NUMBER(8,3) | Operational Schedule Quantity (MW values). |
| POST_TIME | DATE (DD/MM/YYYY, HH24:MI:SS) | Time at which the current Operational Schedule was generated. |

4.3.44 DAILY TECHNICAL OFFER DATA – STANDARD UNITS

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_TODStandardUnits

File Name: PUB_D_TODStandardUnits_<RUN_TYPE>
Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Technical Offer Data - Standard Units (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: PUB_D_TODStandardUnits_EA at 09:00am TD+1
PUB_D_TODStandardUnits_EA2 at 10:45am TD+1
PUB_D_TODStandardUnits_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|---------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG and VPTG. The report will exclude APTG = Autonomous Price Taker Generator Unit types as these types of unit do not submit any Technical Offer Data as per the Code. |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| FUEL_TYPE | VARCHAR2(5) | Possible Values and their meaning: OIL → Oil GAS → Gas COAL → Coal MULTI → Multi Fuel WIND → Wind HYDRO → Hydro BIO → Biomass CHP → Combined Heat and Power PUMP → Pumped Storage PEAT → Peat DISTL → Distillate NUCLR → Nuclear NA → Not Applicable |
| DUAL_FUEL_FLAG | CHAR(1) | 'Y' for YES or 'N' for NO |
| SECONDARY_FUEL_TYPE | VARCHAR2(5) | Only applicable to Dual Fuel units. |

| Element Name | Format | Description |
|--------------------------------|--------------|--|
| | | Same list of values as FUEL_TYPE. |
| PRIORITY_DISPATCH_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit has priority dispatch status. |
| PUMP_STORAGE_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit is a Pumped Storage Unit. |
| ENERGY_LIMIT_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit is an Energy Limited Unit. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| FIRM_ACCESS_QUANTITY | NUMBER(8,3) | Firm Access Quantity of a Trading Site in a Trading Period is the Maximum Export Capacity as determined in a Connection Agreement.(MW) |
| NON_FIRM_ACC_QUANTITY | NUMBER(8,3) | Non-firm capacity for a unit in MW; i.e. part of a Generator Unit's Availability that does not have Firm Access. |
| SHORT_TERM_MAXIMISATION_CAP | NUMBER(4) | Short Term Max Capacity Time |
| MINIMUM_GENERATION | NUMBER(5,3) | Minimum Output of Generator Unit. The lowest value to which a unit can be scheduled. |
| MAXIMUM_GENERATION | NUMBER(5,3) | Registered Maximum Availability level in MW. |
| MINIMUM_ON_TIME | NUMBER(8,3) | The minimum time that must elapse from the time a Generation Unit is instructed to Start-Up before it can be instructed to Shut-Down. |
| MINIMUM_OFF_TIME | NUMBER(15,3) | Minimum Output of Generator Unit. The lowest value to which a unit can be scheduled. |
| MAXIMUM_ON_TIME | NUMBER(15,3) | Registered Maximum Availability level in MW. |
| HOT_COOLING_BOUNDARY | NUMBER(5,2) | The duration in hours off load that indicates the standby status change of the unit from Hot to Warm. |
| WARM_COOLING_BOUNDARY | NUMBER(5,2) | The duration in hours off load that indicates the standby status change of the unit from Warm to Cold. |
| SYNCHRONOUS_START_UP_TIME_HOT | NUMBER(5,2) | Notification/Start-up times in hours for a unit considered to be in a hot state. |
| SYNCHRONOUS_START_UP_TIME_WARM | NUMBER(5,2) | Notification/Start-up times in hours for a unit considered to be in a warm state. |

| Element Name | Format | Description |
|--------------------------------|--------------|---|
| SYNCHRONOUS_START_UP_TIME_COLD | NUMBER(5,2) | Notification/Start-up times in hours for a unit considered to be in a cold state. |
| BLOCK_LOAD_COLD | NUMBER(15,3) | Block Load for Cold state |
| BLOCK_LOAD_WARM | NUMBER(15,3) | Block Load for Warm state |
| BLOCK_LOAD_HOT | NUMBER(15,3) | Block Load for Hot state |
| LOADING_RATE_COLD_1 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a cold state that applies until LOADING_UP_BREAK_PT_COLD_1. (One of the rates at which a Generation Unit increases Generation Unit Output from zero to Minimum Generation when it is instructed to Cold Start). |
| LOADING_RATE_COLD_2 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a cold state that applies from LOADING_UP_BREAK_PT_COLD_1 to LOADING_UP_BREAK_PT_COLD_2. |
| LOADING_RATE_COLD_3 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a cold state that applies from LOADING_UP_BREAK_PT_COLD_2 to minimum stable generation. |
| LOAD_UP_BREAK_POINT_COLD_1 | NUMBER(15,3) | First Break Point for Load Up curve in a cold state (MW) |
| LOAD_UP_BREAK_POINT_COLD_2 | NUMBER(15,3) | Second Break Point for Load Up curve in a cold state (MW) |
| LOADING_RATE_WARM_1 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a warm state that applies until LOADING_UP_BREAK_PT_WARM_1. (One of the rates at which a Generation Unit increases Generation Unit Output from zero to Minimum Generation when it is instructed to Warm Start). |
| LOADING_RATE_WARM_2 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a warm state that applies from LOADING_UP_BREAK_PT_WARM_1 to LOADING_UP_BREAK_PT_WARM_2. |
| LOADING_RATE_WARM_3 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a warm state that applies from LOADING_UP_BREAK_PT_WARM_2 to |

| Element Name | Format | Description |
|--------------------------------|--------------|--|
| | | minimum stable generation. |
| LOAD_UP_BREAK_POINT_WARM_1 | NUMBER(15,3) | First Break Point for Load Up curve in a warm state (MW) |
| LOAD_UP_BREAK_POINT_WARM_2 | NUMBER(15,3) | Second Break Point for Load Up curve in a warm state (MW) |
| LOADING_RATE_HOT_1 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a hot state that applies until LOADING_UP_BREAK_PT_HOT_1. (One of the rates at which a Generation Unit increases Generation Unit Output from zero to Minimum Generation when it is instructed to Hot Start). |
| LOADING_RATE_HOT_2 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a hot state that applies from LOADING_UP_BREAK_PT_HOT_1 to LOADING_UP_BREAK_PT_HOT_2. |
| LOADING_RATE_HOT_3 | NUMBER(15,3) | Loading Up Rate in MW/min when a Unit is in a hot state that applies from LOADING_UP_BREAK_PT_HOT_2 to minimum stable generation. |
| LOAD_UP_BREAK_POINT_HOT_1 | NUMBER(15,3) | First Break Point for Load Up curve in a hot state (MW) |
| LOAD_UP_BREAK_POINT_HOT_2 | NUMBER(15,3) | Second Break Point for Load Up curve in a hot state (MW) |
| SOAK_TIME_COLD_1 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_COLD_2 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_TRIGGER_POINT_COLD_1 | NUMBER(15,3) | MW quantity at which the first Soak Time occurs (cold state). |
| SOAK_TIME_TRIGGER_POINT_COLD_2 | NUMBER(15,3) | MW quantity at which the second Soak Time occurs (cold state). |
| SOAK_TIME_HOT_1 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_HOT_2 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_TRIGGER_POINT_HOT_1 | NUMBER(15,3) | MW quantity at which the first Soak Time occurs (hot state). |

| Element Name | Format | Description |
|--------------------------------|---------------|--|
| SOAK_TIME_TRIGGER_POINT_HOT_2 | NUMBER(15,3) | MW quantity at which the second Soak Time occurs (hot state). |
| SOAK_TIME_WARM_1 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_WARM_2 | NUMBER(5,2) | Soak Time (minutes) |
| SOAK_TIME_TRIGGER_POINT_WARM_1 | NUMBER(15,3) | MW quantity at which the first Soak Time occurs (warm state). |
| SOAK_TIME_TRIGGER_POINT_WARM_2 | NUMBER(15,3) | MW quantity at which the second Soak Time occurs (warm state). |
| END_POINT_OF_START_UP_PERIOD | NUMBER (15,3) | End Point of Start Up Period expressed in MW. |
| RAMP_UP_RATE_1 | NUMBER(15,3) | Ramp Up Rate in MW/min that applies from minimum stable generation until RAMP_UP_BREAK_PT_1 The rate of increase in Active Power produced by a Generating Unit. |
| RAMP_UP_RATE_2 | NUMBER(15,3) | Ramp Up Rate in MW/min that applies from RAMP_UP_BREAK_PT_1 until RAMP_UP_BREAK_PT_2. |
| RAMP_UP_RATE_3 | NUMBER(15,3) | Ramp Up Rate in MW/min that applies from RAMP_UP_BREAK_PT_2 until RAMP_UP_BREAK_PT_3. |
| RAMP_UP_RATE_4 | NUMBER(15,3) | Ramp Up Rate in MW/min that applies from RAMP_UP_BREAK_PT_3 until RAMP_UP_BREAK_PT_4. |
| RAMP_UP_RATE_5 | NUMBER(15,3) | Ramp Up Rate in MW/min that applies from RAMP_UP_BREAK_PT_4 upwards. |
| RAMP_UP_BREAK_POINT_1 | NUMBER(15,3) | MW level at which the ramp rate will change from Ramp Up Rate 1 to Ramp Up Rate 2. |
| RAMP_UP_BREAK_POINT_2 | NUMBER(15,3) | MW level at which the ramp rate will change from Ramp Up Rate 2 to Ramp Up Rate 3. |
| RAMP_UP_BREAK_POINT_3 | NUMBER(15,3) | MW level at which the ramp rate will change from Ramp Up Rate 3 to Ramp Up Rate 4. |
| RAMP_UP_BREAK_POINT_4 | NUMBER(15,3) | MW level at which the ramp rate will change from Ramp Up Rate 4 to Ramp Up Rate 5. |
| DWELL_TIME_1 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_TRIGGER_PT_1 during a change in its MW output while ramping up |

| Element Name | Format | Description |
|------------------------------|-------------|---|
| | | between minimum stable generation and maximum generation. |
| DWELL_TIME_2 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_TRIGGER_PT_2 during a change in its MW output while ramping up between minimum stable generation and maximum generation. |
| DWELL_TIME_3 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_TRIGGER_PT_3 during a change in its MW output while ramping up between minimum stable generation and maximum generation. |
| DWELL_TIME_TRIGGER_PT_1 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_1 while ramping up between Minimum Generation and Maximum Generation. |
| DWELL_TIME_TRIGGER_PT_2 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_2 while ramping up between Minimum Generation and Maximum Generation. |
| DWELL_TIME_TRIGGER_PT_3 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_3 while ramping up between Minimum Generation and Maximum Generation. |
| DWELL_TIME_DOWN_1 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_DOWN_TRIGGER_PT_1 during a change in its MW output while ramping down between minimum stable generation and maximum generation. |
| DWELL_TIME_DOWN_2 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_DOWN_TRIGGER_PT_2 during a change in its MW output while ramping down between minimum stable generation and maximum generation. |
| DWELL_TIME_DOWN_3 | NUMBER(5,2) | Duration for which the Generator Unit must remain at DWELL_TIME_DOWN_TRIGGER_PT_3 during a change in its MW output while ramping down between minimum stable generation and maximum generation. |
| DWELL_TIME_DOWN_TRIGGER_PT_1 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_DOWN_1 while ramping down between Minimum Generation and |

| Element Name | Format | Description |
|------------------------------|--------------|---|
| | | Maximum Generation. |
| DWELL_TIME_DOWN_TRIGGER_PT_2 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_DOWN_2 while ramping down between Minimum Generation and Maximum Generation. |
| DWELL_TIME_DOWN_TRIGGER_PT_3 | NUMBER(5,2) | MW level at which the Generator Unit must remain for time DWELL_TIME_DOWN_3 while ramping down between Minimum Generation and Maximum Generation. |
| RAMP_DOWN_RATE_1 | NUMBER(15,3) | Ramp down rate that applies from a given MW level down to minimum stable generation. |
| RAMP_DOWN_RATE_2 | NUMBER(15,3) | Ramp down rate that applies from a given MW level down to RAMP_DOWN_BREAK_POINT_1 |
| RAMP_DOWN_RATE_3 | NUMBER(15,3) | Ramp down rate that applies from a given MW level down to RAMP_DOWN_BREAK_POINT_2 |
| RAMP_DOWN_RATE_4 | NUMBER(15,3) | Ramp down rate that applies from a given MW level down to RAMP_DOWN_BREAK_POINT_3 |
| RAMP_DOWN_RATE_5 | NUMBER(15,3) | Ramp down rate that applies from a given MW level down to RAMP_DOWN_BREAK_POINT_4 |
| RAMP_DOWN_BREAK_POINT_1 | NUMBER(15,3) | MW level at which the ramp rate will change from RAMP_DOWN_RATE_2 to RAMP_DOWN_RATE_1. |
| RAMP_DOWN_BREAK_POINT_2 | NUMBER(15,3) | MW level at which the ramp rate will change from RAMP_DOWN_RATE_3 to RAMP_DOWN_RATE_2. |
| RAMP_DOWN_BREAK_POINT_3 | NUMBER(15,3) | MW level at which the ramp rate will change from RAMP_DOWN_RATE_4 to RAMP_DOWN_RATE_3. |
| RAMP_DOWN_BREAK_POINT_4 | NUMBER(15,3) | MW level at which the ramp rate will change from RAMP_DOWN_RATE_5 to RAMP_DOWN_RATE_4. |
| DELOAD_BREAK_POINT | NUMBER(15,3) | MW level from which the ramp rate will change from DELOADING_RATE_1 to DELOADING_RATE_2. |
| DELOADING_RATE_1 | NUMBER(15,3) | Deloading Rate in MW/min that applies for a Unit between DELOAD_BREAK_PT and zero. |
| DELOADING_RATE_2 | NUMBER(15,3) | Deloading Rate in MW/min that applies for a Unit between Minimum Stable Generation and |

| Element Name | Format | Description |
|--------------------------------|--------------|--|
| | | DELOAD_BREAK_PT. |
| MAXIMUM_STORAGE_CAPACITY | NUMBER(5,2) | For Pumped Storage Units. Expressed in terms of generation (MWh) for each Pumped Storage Unit within the Trading Day. |
| MINIMUM_STORAGE_CAPACITY | NUMBER(5,2) | For Pumped Storage Units. Expressed in terms of generation (MWh) for each Pumped Storage Unit within the Trading Day. |
| PUMPING_LOAD_CAP | NUMBER(15,3) | Maximum amount of active power in MW consumed by a pumped storage unit when in pumping mode. |
| TARGET_RESERVOIR_LEVEL_PERCENT | NUMBER(5,2) | Target Reservoir Percentage Level |
| ENERGY_LIMIT_MWH | NUMBER(8,3) | For Energy Limited Units. Expressed in terms of generation (MWh) for each Energy Limited Unit within the Trading Day. |
| ENERGY_LIMIT_FACTOR | NUMBER(4,3) | For Energy Limited Units. The daily submitted value is called 'LIMIT_FACTOR'. The value for the ENERGY_LIMIT_FACTOR must be 0.25 in the systems as per the Code. The value that should be provided in this publication is the value that is submitted on a daily basis by participants. A factor between zero and one which will determine the amount of energy that can be generated during the last six hours of the Optimisation Horizon. |
| FIXED_UNIT_LOAD | NUMBER(15,3) | Fixed linear factor used to calculate net output from a Generator Unit. |
| UNIT_LOAD_SCALAR | NUMBER(5,4) | Scalar quantity which approximates physical losses associated with a Generator Unit Transformer. |

4.3.45 DAILY TECHNICAL OFFER DATA – DEMAND SIDE UNITS

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily
 Report Name: PUB_D_TODDemandSideUnits
 File Name: PUB_D_TODDemandSideUnits_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.
 Report Title: Daily Technical Offer Data – Demand Side Units (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: PUB_D_TODDemandSideUnits_EA at 09:00am TD+1
 PUB_D_TODDemandSideUnits_EA2 at 10:45am TD+1
 PUB_D_TODDemandSideUnits_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (i.e. the name of the Demand Side Unit for which data is being reported). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| FUEL_TYPE | VARCHAR2(5) | Must be 'DEM' for Demand for this report. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| MAXIMUM_RAMP_UP_RATE | NUMBER(15,3) | Ramp Up Rate in MW/min that applies for the Demand Side Unit. The rate of increase in Active Power produced by a Demand Side Unit. |
| MAXIMUM_RAMP_DOWN_RATE | NUMBER(15,3) | Ramp Down Rate in MW/min that applies for the Demand Side Unit. The rate of decrease in Active Power produced by a Demand Side Unit. |

| Element Name | Format | Description |
|-------------------|--------------|---|
| MINIMUM_DOWN_TIME | NUMBER(15,3) | The minimum time that must elapse from the time a Demand Side Unit is instructed to reduce load or Shut-Down before it must end its period of demand reduction. |
| MAXIMUM_DOWN_TIME | NUMBER(15,3) | The maximum time that can elapse from the time a Demand Side Unit is instructed to reduce load or Shut-Down before it must end its period of demand reduction. |

4.3.46 DAILY TECHNICAL OFFER DATA – FORECAST DATA

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_TODForecastData

File Name: PUB_D_TODForecastData_<RUN_TYPE>

Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Technical Offer Data – Forecast Data (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: PUB_D_TODForecastData_EA at 09:00am TD+1

PUB_D_TODForecastData_EA2 at 10:45am TD+1

PUB_D_TODForecastData_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG, VPTG and DU. The publication will exclude APTG = Autonomous Price |

| Element Name | Format | Description |
|-----------------------------|-------------|---|
| | | Taker Generator Unit types as these types of unit do not submit any Technical Offer Data as per the Code. |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| JURISDICTION | VARCHAR2(1) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| DELIVERY_DATE | DATE | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_AVAILABILITY | NUMBER(8,3) | Forecast Availability Profile means the forecast of Availability in MW of Unit u in Trading Period h. Forecast Availability for each Trading Period in the Optimisation Time Horizon. This is used to set the lower output limit for Generating or Demand Side Units. |
| FORECAST_MINIMUM_STABLE_GEN | NUMBER(8,3) | Minimum stable generation level, in MW, that the unit is capable of producing. |
| FORECAST_MINIMUM_OUTPUT | NUMBER(8,3) | Forecast Minimum Output Profile means the forecast of Minimum Output in MW of Unit u in Trading Period h. Forecast Minimum Output for each Trading Period in the Optimisation Time Horizon. This is used to set the lower output limit for Pumped Storage Units. |
| FUEL USE FLAG | CHAR(1) | The "fuel_use_flag" element is mandatory and the valid values are 'P' and 'S' |

4.3.47 DAILY COMMERCIAL OFFER DATA – STANDARD GENERATOR UNIT

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_CODStandardGenUnits

File Name: PUB_D_CODStandardGenUnits_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Commercial Offer Data - Standard Generator Units (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: PUB_D_CODStandardGenUnits_EA at 09:00am TD+1
 PUB_D_CODStandardGenUnits_EA2 at 10:45am TD+1
 PUB_D_CODStandardGenUnits_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|---------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit or Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG, VPTG and DU. The publication will exclude APTG = Autonomous Price Taker Generator Unit types as these types of unit do not submit any Commercial Offer Data as per the Code. |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |

| Element Name | Format | Description |
|----------------------|-------------|--|
| FUEL_TYPE | VARCHAR2(5) | <p>Possible Values and their meaning:</p> <p>OIL → Oil</p> <p>GAS → Gas</p> <p>COAL → Coal</p> <p>MULTI → Multi Fuel</p> <p>WIND → Wind</p> <p>HYDRO → Hydro</p> <p>BIO → Biomass</p> <p>CHP → Combined Heat and Power</p> <p>PUMP → Pumped Storage</p> <p>PEAT → Peat</p> <p>DISTL → Distillate</p> <p>NUCLR → Nuclear</p> <p>NA → Not Applicable</p> |
| PRIORITY_DISPATCH_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit has priority dispatch status. |
| PUMP_STORAGE_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit is a Pumped Storage Unit. |
| ENERGY_LIMIT_YN | CHAR(1) | 'Y' for YES or 'N' for NO value generated based on whether the unit is an Energy Limited Unit. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| DELIVERY_DATE | DATE | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| PRICE_1 | NUMBER(8,2) | Price to schedule the unit to meet the associated (paired) MW Quantity. |
| QUANTITY_1 | NUMBER(8,3) | Quantity in MW to which the associated (paired) price will apply when considered by the CMS. |
| PRICE_2 | NUMBER(8,2) | Price for PQ pair 2 |
| QUANTITY_2 | NUMBER(8,3) | Quantity for PQ pair 2 |
| PRICE_3 | NUMBER(8,2) | Price for PQ pair 3 |

| Element Name | Format | Description |
|-----------------------|-------------|--|
| QUANTITY_3 | NUMBER(8,3) | Quantity for PQ pair 3 |
| PRICE_4 | NUMBER(8,2) | Price for PQ pair 4 |
| QUANTITY_4 | NUMBER(8,3) | Quantity for PQ pair 4 |
| PRICE_5 | NUMBER(8,2) | Price for PQ pair 5 |
| QUANTITY_5 | NUMBER(8,3) | Quantity for PQ pair 5 |
| PRICE_6 | NUMBER(8,2) | Price for PQ pair 6 |
| QUANTITY_6 | NUMBER(8,3) | Quantity for PQ pair 6 |
| PRICE_7 | NUMBER(8,2) | Price for PQ pair 7 |
| QUANTITY_7 | NUMBER(8,3) | Quantity for PQ pair 7 |
| PRICE_8 | NUMBER(8,2) | Price for PQ pair 8 |
| QUANTITY_8 | NUMBER(8,3) | Quantity for PQ pair 8 |
| PRICE_9 | NUMBER(8,2) | Price for PQ pair 9 |
| QUANTITY_9 | NUMBER(8,3) | Quantity for PQ pair 9 |
| PRICE_10 | NUMBER(8,2) | Price for PQ pair 10 |
| QUANTITY_10 | NUMBER(8,3) | Quantity for PQ pair 10 |
| STARTUP_COST_HOT | NUMBER(8,2) | Cost to start-up when in hot warmth state. |
| STARTUP_COST_WARM | NUMBER(8,2) | Cost to start-up when in warm warmth state. |
| STARTUP_COST_COLD | NUMBER(8,2) | Cost to start-up when in cold warmth state. |
| NO_LOAD_COST | NUMBER(8,2) | The element of Operating Cost, expressed in €/hour or £/hour, submitted as part of Commercial Offer Data, that is invariant with the level of unit output and incurred at all times when the level of output is greater than zero. |
| TARGET_RESV_LEVEL_MWH | NUMBER(5,3) | For Pumped Storage Units, Minimum Reservoir Level required at the end of the Trading Day. |
| PUMP_STORAGE_CYC_EFY | NUMBER(7,4) | For Pumped Storage Units. The ratio between the gross electrical energy consumed to pump a given quantity of water from the lower reservoir to the upper reservoir and the net electrical energy sent out through the release of that quantity of water from the upper reservoir to the lower reservoir through the turbine-generators. |

4.3.48 DAILY COMMERCIAL OFFER DATA – STANDARD DEMAND SIDE UNIT

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_CODStandardDemUnits

File Name: PUB_D_CODStandardDemUnits_<RUN_TYPE>
Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Commercial Offer Data - Standard Demand Side Units (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: PUB_D_CODStandardDemUnits_EA at 09:00am TD+1
PUB_D_CODStandardDemUnits_EA2 at 10:45am TD+1
PUB_D_CODStandardDemUnits_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|---------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit or Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG, VPTG and DU. The publication will exclude APTG = Autonomous Price Taker Generator Unit types as these types of unit do not submit any Commercial Offer Data as per the Code |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| FUEL_TYPE | VARCHAR2(5) | Must be 'DEM' for Demand. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| DELIVERY_DATE | DATE | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |

| Element Name | Format | Description |
|-------------------|-------------|--|
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| PRICE_1 | NUMBER(8,2) | Price to schedule the unit to meet the associated (paired) MW Quantity. |
| QUANTITY_1 | NUMBER(8,3) | Quantity in MW to which the associated (paired) price will apply when considered by the CMS. |
| PRICE_2 | NUMBER(8,2) | Price for PQ pair 2 |
| QUANTITY_2 | NUMBER(8,3) | Quantity for PQ pair 2 |
| PRICE_3 | NUMBER(8,2) | Price for PQ pair 3 |
| QUANTITY_3 | NUMBER(8,3) | Quantity for PQ pair 3 |
| PRICE_4 | NUMBER(8,2) | Price for PQ pair 4 |
| QUANTITY_4 | NUMBER(8,3) | Quantity for PQ pair 4 |
| PRICE_5 | NUMBER(8,2) | Price for PQ pair 5 |
| QUANTITY_5 | NUMBER(8,3) | Quantity for PQ pair 5 |
| PRICE_6 | NUMBER(8,2) | Price for PQ pair 6 |
| QUANTITY_6 | NUMBER(8,3) | Quantity for PQ pair 6 |
| PRICE_7 | NUMBER(8,2) | Price for PQ pair 7 |
| QUANTITY_7 | NUMBER(8,3) | Quantity for PQ pair 7 |
| PRICE_8 | NUMBER(8,2) | Price for PQ pair 8 |
| QUANTITY_8 | NUMBER(8,3) | Quantity for PQ pair 8 |
| PRICE_9 | NUMBER(8,2) | Price for PQ pair 9 |
| QUANTITY_9 | NUMBER(8,3) | Quantity for PQ pair 9 |
| PRICE_10 | NUMBER(8,2) | Price for PQ pair 10 |
| QUANTITY_10 | NUMBER(8,3) | Quantity for PQ pair 10 |
| SHUTDOWN_COST | NUMBER(8,2) | The costs associated with the Shut Down of a Demand Side Unit. |

4.3.49 DAILY COMMERCIAL OFFER DATA – INTERCONNECTOR UNITS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily

Report Name: PUB_D_CODInterconnectorUnits
 File Name: PUB_D_CODInterconnectorUnits_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.
 Report Title: Daily Commercial Offer Data - Interconnector Units (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: PUB_D_CODInterconnectorUnits_EA at 09:00am TD+1
 PUB_D_CODInterconnectorUnits_EA2 at 10:45am TD+1
 PUB_D_CODInterconnectorUnits_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit or Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Value must be PPMG = Predictable Price Maker Generator Unit. For clarity, Interconnector Units are not equal to Interconnectors. Interconnector Units are owned by a participant and are considered to be price makers in the market. |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| PRIORITY_ORDER | NUMBER(2) | Used to prioritise Interconnector Unit Bids (if more than one exists in the same jurisdiction) when calculating Available Credit Cover. Default value is 1. |
| DELIVERY_DATE | DATE | Calendar Day (referred to as "Day" in the Code). |

| Element Name | Format | Description |
|-------------------|--------------|--|
| | (DD/MM/YYYY) | |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| PRICE_1 | NUMBER(8,2) | Price which is used to schedule units to meet the Generation Requirement in the market systems, both in Ex-Ante and Ex-Post. |
| QUANTITY_1 | NUMBER(8,3) | Quantity in MW to which the associated price will apply when considered by the CMS. |
| PRICE_2 | NUMBER(8,2) | Price which is used to schedule units to meet the Generation Requirement in the market systems, both in Ex-Ante and Ex-Post. This Price value is optional as PRICE_1 is the only mandatory value. |
| QUANTITY_2 | NUMBER(8,3) | Quantity in MW to which the associated price will apply when considered by the CMS. This Quantity value is optional as QUANTITY_1 is the only mandatory value. |
| PRICE_3 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_3 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_4 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_4 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_5 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_5 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_6 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_6 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_7 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_7 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_8 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_8 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_9 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_9 | NUMBER(8,3) | As QUANTITY_2. |
| PRICE_10 | NUMBER(8,2) | As PRICE_2. |
| QUANTITY_10 | NUMBER(8,3) | As QUANTITY_2. |

| Element Name | Format | Description |
|-------------------------------|-------------|---|
| MAXIMUM_IU_IMPORT_CAPACITY_MW | NUMBER(8,3) | Maximum import capacity submitted for an Interconnector Unit per Trading Period This is used to calculate the upper output limit for Interconnector Units. |
| MAXIMUM_IU_EXPORT_CAPACITY_MW | NUMBER(8,3) | Maximum export capacity submitted for an Interconnector Unit per Trading Period This is used to calculate the lower output limit for Interconnector Units. |

4.3.50 DAILY COMMERCIAL DATA GENERATOR UNIT NOMINATION PROFILES

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_CommercialOfferDataGenNomProfiles
 File Name: PUB_D_CommercialOfferDataGenNomProfiles_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Commercial Data Generator Unit Nomination Profiles (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: PUB_D_CommercialOfferDataGenNomProfiles_EA at 09:00am TD+1
 PUB_D_CommercialOfferDataGenNomProfiles_EA2 at 10:45am TD+1
 PUB_D_CommercialOfferDataGenNomProfiles_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|--------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG, VPTG and DU. The publication will exclude APTG = Autonomous Price Taker Generator Unit types as these types of unit do not submit any Technical Offer Data as per the Code |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| NOMINATED_QUANTITY | NUMBER(8,3) | Nomination Profile means the nominated profile in MW of Unit u in Trading Period h. |
| DECREMENTAL_PRICE | NUMBER(8,2) | Submitted by MPs that are being treated as Price Takers, to account in settlements for the situation where they are constrained down. |

4.3.51 DAILY COMMERCIAL DATA DEMAND SIDE UNIT NOMINATION PROFILES

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_CommercialOfferDataDemNomProfiles

File Name: PUB_D_CommercialOfferDataDemNomProfiles_<RUN_TYPE>

Where RUN_TYPE is one of EA, EA2 or WD1.

Report Title: Daily Commercial Data Demand Side Unit Nomination Profiles (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: PUB_D_CommercialOfferDataDemNomProfiles_EA at 09:00am TD+1
 PUB_D_CommercialOfferDataDemNomProfiles_EA2 at 10:45am TD+1
 PUB_D_CommercialOfferDataDemNomProfiles_WD1 at 13:55pm TD+1

| Element Name | Format | Description |
|--------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Demand Side Unit for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted. Values include: PPMG, PPTG, VPMG, VPTG and DU. The publication will exclude APTG = Autonomous Price Taker Generator Unit types as these types of unit do not submit any Technical Offer Data as per the Code |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| UNDER_TEST_YN | CHAR(1) | Flag indicating if the unit is under test for the Trading Day. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| NOMINATED_QUANTITY | NUMBER(8,3) | Nomination Profile means the nominated profile in MW of Unit u in Trading Period h. |
| DECREMENTAL_PRICE | NUMBER(8,2) | Submitted by MPs that are being treated as Price Takers, to account in settlements for the situation where they are constrained down. |

4.3.52 DAILY DEMAND CONTROL DATA TRANSACTION

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_DemandControlData
 File Name: PUB_D_DemandControlData
 Report Title: Daily Demand Control Data Transaction (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 13:58 TD+1

| Element Name | Format | Description |
|------------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| ESTIMATE_DEMAND_REDUCTION_MW | NUMBER(8,3) | Estimate of any reduction in demand as a consequence of Demand Control, i.e. Load Shedding. |

4.3.53 DAILY GENERATOR UNIT TECHNICAL CHARACTERISTICS DATA TRANSACTION

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_GenUnitTechChars
 File Name: PUB_D_GenUnitTechChars
 Report Title: Daily Generator Unit Technical Characteristics Data (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:30 TD+1.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|----------------------------|------------------------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker Permitted values include: PPMG, PPTG, VPMG and VPTG. |
| GMT_OFFSET | NUMBER(1) | GMT offset (0 or 1). |
| EFF_TIME | DATE (DD/MM/YYYY HH24:MI:SS) | Effective time stamp. |
| ISSUE_TIME | DATE (DD/MM/YYYY HH24:MI:SS) | Issue time stamp. |
| OUTTURN_AVAILABILITY | NUMBER(8,3) | Outturn Availability, spot values, by Unit Id. |
| OUTTURN_MINIMUM_STABLE_GEN | NUMBER(8,3) | Outturn Minimum Stable Generation, spot values, by Unit Id. |
| OUTTURN_MINIMUM_OUTPUT | NUMBER(8,3) | Outturn Minimum Output, spot values, by Unit Id. |
| FUEL_USE_FLAG | VARCHAR2(1) | Indicates the fuel use type selected. The valid values are 'P' and 'S'. |

4.3.54 DAILY ENERGY LIMITED GENERATOR UNIT TECHNICAL CHARACTERISTICS DATA TRANSACTION

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_EnergyLimitedGenUnitTechChars
 File Name: PUB_D_EnergyLimitedGenUnitTechChars

Report Title: Daily Energy Limited Generator Unit Technical Characteristics Data (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Once Every Day at 15:30 TD+1

| Element Name | Format | Description |
|-------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker Permitted values include: PPMG, PPTG, VPMG and VPTG. |
| REDECLARED_ENERGY_LIMIT | NUMBER(8,3) | Re-Declared Values of Energy Limit, SELut. |

4.3.55 DAILY PRICE-AFFECTING METERED DATA

Note: This excludes Trading Site Supplier Units for Trading Sites with Non-firm Access.

Report Type: Market

Report Sub-Type: Metering

Periodicity: Daily

Report Name: PUB_D_PriceAffectingMeterData

File Name: PUB_D_PriceAffectingMeterData

Report Title: Daily Price Affecting Meter Data (PUBLIC)

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Once Every Day at 14:50 TD+1.

| Element Name | Format | Description |
|-------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| METERED_MW | NUMBER(8,3) | Metered MW represents the total generation when the resource type is PPMG, PPTG, VPMG, and APTG. Metered MW represents the total load when the resource type is DU and SU. |
| METER_TRANSMISSION_TYPE | VARCHAR2(12) | Transmission Type: (PEG for this report) <ul style="list-style-type: none"> • PED – Price Effecting Demand; • PEG – Price Effecting Generation; • NPED – Non-Price Effecting Demand; • NPEG – Non-Price Effecting Generation. • CJF – Cross-Jurisdictional Power Flow. |

4.3.56 ANNUAL LOAD FORECAST

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Annual
 Report Name: PUB_A_LoadFcst
 File Name: PUB_A_LoadFcst
 Report Title: Annual Load Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Year

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| LOAD_FORECAST | NUMBER(8,3) | Load Forecast value per Jurisdiction, as generated by the TSO. |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |

4.3.57 ANNUAL AGGREGATED LOAD FORECAST

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Annual
 Report Name: PUB_A_AggLoadFcst
 File Name: PUB_A_AggLoadFcst
 Report Title: Annual Aggregated Load Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Once Every Year

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| LOAD_FORECAST | NUMBER(8,3) | Load Forecast value, as provided by the TSO. |

4.3.58 MONTHLY TRANSMISSION OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.59 MONTHLY TRANSMISSION OUTAGE SUMMARY

This report is manually published on the SEMO website in PDF format, when provided by the TSO.

4.3.60 DAILY LOAD FORECAST SUMMARY

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Daily
 Report Name: PUB_D_LoadFcstSummary
 File Name: PUB_D_LoadFcstSummary
 Report Title: Daily Load Forecast Summary (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following receipt of each Accepted Four Day Load Forecast feed.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Load Forecast value, as generated by the TSO. |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |
| NET_LOAD_FORECAST | NUMBER(8,3) | Forecast value of the load excluding the amount served by wind units. |

4.3.61 DAILY INTERCONNECTOR ATC

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Following receipt of ATC data.
 Report Name: PUB_D_IntconnATCData
 File Name: PUB_D_IntconnATCData
 Report Title: Daily Interconnector ATC Data (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following each Accepted ATC Data Transaction

| Element Name | Format | Description |
|--------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |

| Element Name | Format | Description |
|-------------------|----------------------|--|
| RESOURCE_NAME | VARCHAR2(32) | Interconnector Unit. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code) |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| MAXIMUM_IMPORT_MW | NUMBER(8,3) | Maximum Interconnector Import MW. |
| MAXIMUM_EXPORT_MW | NUMBER(8,3) | Maximum Interconnector Export MW. |

4.3.62 DAILY REVISED INTERCONNECTOR ATC DATA

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: PUB_D_RevIntconnATCData
 File Name: PUB_D_RevIntconnATCData
 Report Title: Daily Revised Interconnector ATC Data (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:00 TD+1.

| Element Name | Format | Description |
|-------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| RESOURCE_NAME | VARCHAR2(32) | Interconnector Unit. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| MAXIMUM_IMPORT_MW | NUMBER(8,3) | Maximum Interconnector Import MW. |

| | | |
|-------------------|-------------|-----------------------------------|
| MAXIMUM_EXPORT_MW | NUMBER(8,3) | Maximum Interconnector Export MW. |
|-------------------|-------------|-----------------------------------|

4.3.63 INDICATIVE INTERCONNECTOR FLOWS AND RESIDUAL CAPACITY

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: N/A
 Report Name: PUB_IndicativeInterconnFlows
 File Name: PUB_IndicativeInterconnFlows
 Report Title: Indicative Interconnector Flows and Residual Capacity (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:50 TD+1.

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | Interconnector Unit |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| NET_FLOW | NUMBER(8,3) | Metered MW for the Interconnector. |
| RESIDUAL_CAPACITY | NUMBER(8,3) | Difference between Scheduled and Actual Interconnector Flow. |

4.3.64 INITIAL INTERCONNECTOR FLOWS AND RESIDUAL CAPACITY

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: N/A
 Report Name: PUB_InitialInterconnFlows
 File Name: PUB_InitialInterconnFlows
 Report Title: Initial Interconnector Flows and Residual Capacity (PUBLIC)

Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:55 TD+4.

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| NET_FLOW | NUMBER(8,3) | Metered MW for the Interconnector. |
| RESIDUAL_CAPACITY | NUMBER(8,3) | Difference between Scheduled and Actual Interconnector Flow. |

4.3.65 ANNUAL TRANSMISSION LOSS ADJUSTMENT FACTORS

Report Type: System
 Report Sub-Type: Miscellaneous
 Periodicity: Annual
 Report Name: PUB_A_TransLossAdjustmentFactors
 MM represents the month in numeric format.
 Possible values for MM are:

- 01 – January
- 02 – February
- 03 – March
- 04 – April
- 05 – May
- 06 – June
- 07 – July

- 08 – August
- 09 – September
- 10 – October
- 11 – November
- 12 – December

File Name: PUB_A_TransLossAdjustmentFactors_MM.csv.zip
 Report Title: Annual Transmission Loss Adjustment Factors (PUBLIC)
 Audience: Public
 Resolution: Calendar Day at a trading period level for all days in that month.
 Format: CSV
 Frequency: Once Every Year

| Generated Report Name | Activation Time |
|---|-----------------|
| PUB_A_TransLossAdjustmentFactors_01.csv.zip | +09:01:10:00 |
| PUB_A_TransLossAdjustmentFactors_02.csv.zip | +09:01:10:05 |
| PUB_A_TransLossAdjustmentFactors_03.csv.zip | +09:01:10:10 |
| PUB_A_TransLossAdjustmentFactors_04.csv.zip | +09:01:10:15 |
| PUB_A_TransLossAdjustmentFactors_05.csv.zip | +09:01:10:20 |
| PUB_A_TransLossAdjustmentFactors_06.csv.zip | +09:01:10:25 |
| PUB_A_TransLossAdjustmentFactors_07.csv.zip | +09:01:10:30 |
| PUB_A_TransLossAdjustmentFactors_08.csv.zip | +09:01:10:35 |
| PUB_A_TransLossAdjustmentFactors_09.csv.zip | +09:01:10:40 |
| PUB_A_TransLossAdjustmentFactors_10.csv.zip | +09:01:10:45 |
| PUB_A_TransLossAdjustmentFactors_11.csv.zip | +09:01:10:50 |
| PUB_A_TransLossAdjustmentFactors_12.csv.zip | +09:01:10:55 |

*Note: The Activation Time gives an indication at the time this report will commence running in the Central Market Systems. This actual time the report is made available to Market Participants is dependent on the length of time the report takes to run in the Central Market Systems.

CSV Report Header Column Description:

| Field Name | Description |
|-------------|--|
| REPORT_NAME | PUB_A_TransLossAdjustmentFactors |
| TITLE | Annual Transmission Loss Adjustment Factors (PUBLIC) |
| RPT_DATE | Date and Time on which the report was generated. Format is: DD/MM/YYYY HH24:MI:SS |
| MONTH | Numeric representation of the month for which data is presented in the report. Format is MM. Single digit months will have a zero prefixed. Example: January report will have 01 |

| Field Name | Description |
|------------|---|
| TRADE_DATE | Trade Date used to generate the report. Format is YYYYMMDD |
| COUNT | Count of records presented in the report. |

CSV Report Contents Column Description:

| Field Name | Description |
|-------------------|----------------------------|
| TRADE DATE | Trade Date (DD/MM/YYYY) |
| PARTICIPANT NAME | Participant Name |
| RESOURCE NAME | Resources Identification |
| DELIVERY DATE | Delivery Date (DD/MM/YYYY) |
| DELIVERY HOUR | Delivery Hour |
| DELIVERY INTERVAL | Delivery Interval |
| LOSS FACTOR | Loss Factor |



Note: Each line of the report header column and report contents column in the CSV report file starts with a “*” to differentiate it from actual report data.

Sample CSV:

Below is a sample of the actual CSV report file generated by the report manager. Each line that begins with a ‘*’ has a specific purpose and meaning. There are eight fixed lines of header followed by data.

- The first line is the report name
- The second line contains the report title
- The third line contains the time when the report was generated
- The fourth line contains the month number
- The fifth line contains the date for which the report was requested
- The sixth line contains the count of records
- The seventh is a blank line
- The eighth line is the list of all data columns.

The words ‘REPORT_NAME’, ‘TITLE’, ‘RPT_DATE’, ‘MONTH’, ‘TRADE_DATE’ and ‘COUNT’ are all fixed values.

```

* REPORT_NAME: PUB_A_TransLossAdjustmentFactors
* TITLE: Annual Transmission Loss Adjustment Factors (PUBLIC)
* RPT_DATE: 09/11/2012 15:37:36
* MONTH: 01
* TRADE_DATE: 20110101
* COUNT: 224496

* TRADE_DATE, PARTICIPANT_NAME, RESOURCE_NAME, DELIVERY_DATE, DELIVERY_HOUR, DELIVERY_INTERVAL, LOSS_FACTOR
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 1, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 1, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 2, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 2, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 3, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 3, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 4, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 4, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 5, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 5, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 6, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 02/01/2011, 6, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 01/01/2011, 7, 1, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 01/01/2011, 7, 2, .990
01/01/2011, IA_NIMOYLE, I_NIMOYLE, 01/01/2011, 8, 1, .976

```

4.3.66 MONTHLY UPDATES TO TRANSMISSION OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format (in the General Publications section), as soon as it is provided by the TSO.

4.3.67 MONTHLY LOAD FORECAST & ASSUMPTIONS

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Monthly
 Report Name: PUB_M_LoadFcstAssumptions
 File Name: PUB_M_LoadFcstAssumptions
 Report Title: Monthly Load Forecast and Assumptions (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Month

| Element Name | Format | Description |
|---------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |

| Element Name | Format | Description |
|-------------------|---------------|--|
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Load Forecast value per Jurisdiction, as generated by the TSO. |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |

4.3.68 MONTHLY AGGREGATED LOAD FORECAST

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Monthly
 Report Name: PUB_M_AggLoadFcst
 File Name: PUB_M_AggLoadFcst
 Report Title: Monthly Load Aggregated Load Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Month

| Element Name | Format | Description |
|-------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Load Forecast value. |

4.3.69 DAILY FOUR DAY ROLLING LOAD FORECAST AND ASSUMPTIONS

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Daily
 Report Name: PUB_D_LoadFcstAssumptions
 File Name: PUB_D_LoadFcstAssumptions
 Report Title: Daily Four Day Rolling Load Forecast and Assumptions (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following receipt of each Accepted Four Day Load Forecast feed.

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Load Forecast value per Jurisdiction, as generated by the TSO. |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |

4.3.70 DAILY AGGREGATED FOUR DAY ROLLING LOAD FORECAST

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Daily
 Report Name: PUB_D_AggLoadFcst
 File Name: PUB_D_AggLoadFcst
 Report Title: Daily Aggregated Four Day Rolling Load Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following each Accepted Four Day Load Forecast feed.

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Load Forecast value. |

4.3.71 DAILY TRANSMISSION OUTAGE SCHEDULES

This report is manually published on the SEMO website in PDF format when available from TSOs.

4.3.72 TWO DAY ROLLING WIND FORECAST AND ASSUMPTIONS

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: N/A
 Report Name: PUB_D_RollingWindFcstAssumptions
 File Name: PUB_D_RollingWindFcstAssumptions
 Report Title: Daily Rolling Wind Forecast and Assumptions (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following receipt of each Accepted Wind Power Unit Forecast feed.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | Wind Forecast value, as generated by the TSO |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |

4.3.73 TWO DAY ROLLING WIND FORECAST AND ASSUMPTIONS PER JURISDICTION

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: N/A
 Report Name: PUB_D_RollingWindFcstAssumptionsJurisdiction
 File Name: PUB_D_RollingWindFcstAssumptionsJurisdiction
 Report Title: Daily Rolling Wind Forecast and Assumptions Aggregated Per Jurisdiction (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Following receipt of each Accepted Wind Power Unit Forecast feed.

| Element Name | Format | Description |
|--------------|--------|---|
| TRADE_DATE | DATE | A 24-hour period containing forty eight 30-minute trading |

| Element Name | Format | Description |
|-------------------|----------------------|---|
| | (DD/MM/YYYY) | periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | The wind forecast per Jurisdiction for each Trading Period in the next two Trading Days as forecast by the System Operators. |
| ASSUMPTIONS | VARCHAR2(128) | Assumptions behind the creation of the forecast. |

4.3.74 TWO DAY AGGREGATED ROLLING WIND POWER FORECAST

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: N/A
 Report Name: PUB_D_AggRollingWindFcst
 File Name: PUB_D_AggRollingWindFcst
 Report Title: Two Day Aggregated Rolling Wind Power Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every 6 Hours

| Element Name | Format | Description |
|--------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |

| Element Name | Format | Description |
|-------------------|----------------------|--|
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| FORECAST_MW | NUMBER(8,3) | The wind forecast for each Trading Period in the next two Trading Days as forecast by the System Operators. |

4.3.75 DAILY INTERCONNECTOR CAPACITY ACTIVE HOLDINGS

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: PUB_D_IntconnCapActHoldResults
 File Name: PUB_D_IntconnCapActHoldResults
 Report Title: Daily Interconnector Capacity Active Holdings (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day, at 14:50 TD+1.

| Element Name | Format | Description |
|-------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading |

| Element Name | Format | Description |
|--------------------------------|--------------|--|
| | | Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| INTERCONNECTOR_EXPORT_CAPACITY | NUMBER(11.3) | Maximum Interconnector Export Capacity offered on the Interconnector Unit in each Trading Period in the optimisation time horizon of the Indicative Market Schedule. |
| INTERCONNECTOR_IMPORT_CAPACITY | NUMBER(11.3) | Maximum Interconnector Import Capacity offered on the Interconnector Unit in each Trading Period in the optimisation time horizon of the Indicative Market Schedule. |

4.3.76 INTENTIONALLY BLANK

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4.3.77 INTENTIONALLY BLANK

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4.3.78 DAILY REVISED INTERCONNECTOR MODIFIED NOMINATIONS

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: PUB_D_RevIntconnModNominations
 File Name: PUB_D_RevIntconnModNominations
 Report Title: Daily Revised Interconnector Modified Nominations (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D-1)
 Frequency: Once Every Day at 14:30 TD+1.

| Element Name | Format | Description |
|------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |

| Element Name | Format | Description |
|-------------------|-------------------|--|
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 and WD1) |
| UNIT_NOMINATION | NUMBER(8,3) | Quantity nominated for import or export for an Interconnector Unit. |

4.3.79 MONTHLY LOSS OF LOAD PROBABILITY

Report Type: System
 Report Sub-Type: Forecasts
 Periodicity: Monthly
 Report Name: PUB_M_LossLoadProbabilityFcst
 File Name: PUB_M_LossLoadProbabilityFcst
 Report Title: Monthly Loss of Load Probability Forecast (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Month

| Element Name | Format | Description |
|--------------------------|----------------------|--|
| TRADE_DATE | DATE (DD/MM/YYYY) | <p>A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively</p> <p>The first trading period of the trading day commences at 06:00hrs.</p> |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| LOSS_OF_LOAD_PROBABILITY | NUMBER(6,5) | Forecast of Loss of Load Probability for each Trading Period in the next month. |

4.3.80 DAILY EX-POST LOSS OF LOAD PROBABILITY

Report Type: System
Report Sub-Type: Forecasts
Periodicity: Daily
Report Name: PUB_D_EPLossOfLoadProbability
File Name: PUB_D_EPLossOfLoadProbability
Report Title: Daily Forecast Ex-Post Loss Of Load Probability (PUBLIC)
Audience: Public
Resolution: Trade Period (6:00 D to 6:00 D+1)
Frequency: Once Every Day at 16:27 TD-1

| Element Name | Format | Description |
|-----------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively. The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(1) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| EP_LOSS_OF_LOAD_PROBABILITY | NUMBER(13,12) | Forecast of Loss of Load Probability for each Trading Period in the forthcoming 31 Trading Days. |

4.3.81 DAILY SO SYSTEM FREQUENCY

Report Type: System
 Report Sub-Type: Miscellaneous
 Periodicity: Daily
 Report Name: PUB_D_SystemFrequency
 File Name: PUB_D_SystemFrequency
 Report Title: Daily SO System Frequency (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 14:03 TD+1.

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| NORMAL_FREQUENCY | NUMBER(8,3) | Nominal Frequency values in Hz per Trading Period utilised in the calculation of the tolerance bands for Over or Under Generation. |
| AVERAGE_FREQUENCY | NUMBER(8,3) | Average Frequency values in Hz per Trading Period utilised in the calculation of the tolerance bands for Over or Under Generation. |

4.3.82 DAILY SO INTERCONNECTOR TRADES

Report Type: System
 Report Sub-Type: Interconnector
 Periodicity: Daily
 Report Name: PUB_D_InterconnectorTrades

File Name: PUB_D_InterconnectorTrades
 Report Title: Daily Interconnector Trades (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 15:45 TD+1.

| Element Name | Format | Description |
|--------------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Interconnector for which data is being reported). |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| SO_INTERCON_IMP_PRICE | NUMBER(8,2) | Equates to the SIIP for TSO trades on the Interconnector. |
| SO_INTERCON_IMP_QUANTITY | NUMBER(8,3) | Equates to the SIIQ for TSO trades on the Interconnector. |
| SO_INTERCON_EXP_PRICE | NUMBER(8,2) | Equates to the SIEP for TSO trades on the Interconnector. |
| SO_INTERCON_EXP_QUANTITY | NUMBER(8,3) | Equates to the SIEQ for TSO trades on the Interconnector. |

4.3.83 DAILY EX-ANTE MARKET RESULTS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExAnteMktResults
 File Name: PUB_D_ExAnteMktResults_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1..
 Report Title: Daily Ex-Ante Market Results (D-1) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Produced after the Trading Day, for each EA, EA2 and WD1 MSP Software

Run at the following times: 11:00 TD -1
 13:00 TD -1
 09:30 TD

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EA, EA2 or WD1). |
| SMP | NUMBER(8,2) | System Marginal Price |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| LAMBDA | NUMBER(8,2) | Shadow Price - the additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |
| SYSTEM_LOAD | NUMBER(8,3) | Total system load (MW) |

4.3.84 DAILY EX-POST INDICATIVE MARKET RESULTS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExPostIndMktResults
 File Name: PUB_D_ExPostIndMktResults
 Report Title: Daily Ex-Post Indicative Market Results (D+1)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day following the EP1 MSP Software Run at 15:20 TD+1.

| Element Name | Format | Description |
|--------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |

| Element Name | Format | Description |
|-------------------|----------------------|--|
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EP1). |
| SMP | NUMBER(8,2) | System Marginal Price |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| LAMBDA | NUMBER(8,2) | Shadow Price - the additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |
| SYSTEM_LOAD | NUMBER(8,3) | Total system load (MW) |

4.3.85 DAILY EX-POST INITIAL MARKET RESULTS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExPostInitMktResults
 File Name: PUB_D_ExPostInitMktResults
 Report Title: Daily Ex-Post Initial Market Results (D+4),
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day following each EP2 MSP Software Run at 15:45 TD+4.

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EP2). |

| Element Name | Format | Description |
|---------------|-------------|--|
| SMP | NUMBER(8,2) | System Marginal Price |
| CURRENCY_FLAG | CHAR(1) | Euro (E) or Sterling Pound (P). |
| LAMBDA | NUMBER(8,2) | Shadow Price - the additional cost of delivering an additional MW of energy in addition to the value of Schedule Demand. This is generally the price for the marginal Generating Unit. |
| SYSTEM_LOAD | NUMBER(8,3) | Total system load (MW) |

4.3.86 INTENTIONALLY BLANK

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4.3.87 DAILY UNIT DATA

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_TOD_UnitData
 File Name: PUB_D_TOD_UnitData
 Report Title: Daily Unit Data (D+1)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day at 22:05 TD+1.

| Element Name | Format | Description |
|----------------------|-------------------|---|
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| PARTICIPANT_FULLNAME | VARCHAR2 (50) | Full Name of the Participant |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource/unit. |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or |

| Element Name | Format | Description |
|--------------|-------------|---|
| | | price maker Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| FUEL_TYPE | VARCHAR2(5) | Possible Values and their meaning: OIL → Oil GAS → Gas COAL → Coal MULTI → Multi Fuel WIND → Wind HYDRO → Hydro BIO → Biomass CHP → Combined Heat and Power PUMP → Pumped Storage PEAT → Peat DISTL → Distillate NUCLR → Nuclear NA → Not Applicable |

4.3.88 DAILY EX-POST INITIAL ACTUAL LOAD SUMMARY

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: PUB_D_ExPostInitActLoadSummary
 File Name: PUB_D_ExPostInitActLoadSummary
 Report Title: Daily ExPost Initial Actual Load Summary (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: Once Every Day following the EP2 MSP Software Run at 15:40 TD+4.

| Element Name | Format | Description |
|--------------|--------|-------------|
|--------------|--------|-------------|

| Element Name | Format | Description |
|-------------------|----------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| RUN_TYPE | VARCHAR2(4) | MSP Software Run applicable to the report (EP2). |
| ACTUAL_LOAD_MW | NUMBER(8,3) | Actual Load in MW. |

4.3.89 DAILY KPI – SCHEDULES PUBLICATION

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_KPI_Schedules

File Name: PUB_D_KPI_Schedules

Report Title: Daily KPI - Schedules

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: After completion of each MSP Software Run (EA, EA2, WD1, EP1 and EP2)
at the following times: 11:00 TD -1
13:00 TD -1
09:30 TD
16:00 TD +1
17:00 TD +4

| Element Name | Format | Description |
|--------------|-------------|--|
| RUN_TYPE | VARCHAR2(4) | MSP software run (EA, EA2, WD1, EP1 or EP2). |

| Element Name | Format | Description |
|--------------|-------------------------------|---|
| TARGET_TIME | DATE (DD/MM/YYYY HH:MM:SS) | Target time for the market schedule publication for the given Trading Day and run type. |
| ACTUAL_TIME | DATE (DD/MM/YYYY HH:MM:SS) | Actual time of market schedule publication for the given Trading Day and run type. |

4.3.90 DAILY KPI – GATE PUBLICATION

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: PUB_D_KPI_GateInfo

File Name: PUB_D_KPI_GateInfo

Report Title: Daily KPI – Gate Information

Audience: Public

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Following the EA, EA2 and WD1 market gate closures at the following times:

11:00 TD -1

13:00 TD -1

09:30 TD

| Element Name | Format | Description |
|--------------|----------------------------------|--|
| PROCESS_TYPE | VARCHAR2(32) | DAM_CLOSE, DAM_CLOSE_EA2 or WD1_CLOSE |
| TARGET_TIME | DATE (DD/MM/YYYY HH:MM:SS) | Target completion time for the associated process. . |
| ACTUAL_TIME | DATE (DD/MM/YYYY HH:MM:SS) | Actual completion time for the associated process. |

4.3.91 DAILY RESIDUAL ERROR VOLUME (REVLf) D+15 REPORT

Report Type: Market

Report Sub-Type: Metering

Periodicity: Daily

Report Name: PUB_D_ResidualErrorVolumeD15

File Name: PUB_D_ResidualErrorVolumeD15

Report Title: Daily Residual Error Volume MWh (D+15) (PUBLIC)
 Audience: Public
 Resolution: Trade Period (6:00 D to 5:59 D+1)
 Frequency: Once Every Day at 17:00 TD+15.

| Element Name | Format | Description |
|-------------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| JURISDICTION | VARCHAR2(4) | Republic of Ireland (ROI) or Northern Ireland (NI) as appropriate. |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| REVLf_MWH | NUMBER(8,3) | Residual Error Volume (MWh) |

4.3.92 EXCLUDED BIDS

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Daily
 Report Name: MP_D_ExcludedBids
 File Name: MP_D_ExcludedBids_<RUN_TYPE>
 Where RUN_TYPE is one of EA, EA2 or WD1.
 Report Title: Excluded Bids (MP)
 Audience: Market Participant Specific (MP)
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency:

Following each Ex-Ante Gate Window Closure (EA, EA2 or WD1).

| Element Name | Format | Description |
|--------------|-------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at |

| Element Name | Format | Description |
|------------------------|----------------------|---|
| | | 06:00hrs. |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource/unit. |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values include: PPMG, PPTG, VPMG, VPTG, DU, SU and I. |
| GATE_WINDOW | VARCHAR2(4) | Trading window applicable to the record (EA, EA2 or WD1) |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| MAX_IMPORT_CAPACITY_MW | NUMBER(8,3) | Maximum import capacity submitted for an Interconnector Unit per Trading Period |
| MAX_EXPORT_CAPACITY_MW | NUMBER(8,3) | Maximum export capacity submitted for an Interconnector Unit per Trading Period |
| PQ_INDEX | NUMBER(2) | PQ Pair Index |
| PRICE_VALUE | NUMBER(8,2) | PQ Pair Price |
| QUANTITY | NUMBER(8,3) | PQ Pair Quantity (MW) |
| EXCLUDED_FLAG | CHAR(1) | Flag to indicate exclusion of the PQ pair. |

4.3.93 AVAILABLE CREDIT COVER

Report Type: Market

Report Sub-Type: DAY_AHEAD

Periodicity: Daily

Report Name: MP_D_AvailCreditCover

File Name: MP_D_AvailCreditCover_<Run_Type>

Where RUN_TYPE is one of EA, EA2, WD1, EP1 and EP2.

Report Title: Available Credit Cover (MP)

Audience: Market Participant Specific (MP)

Resolution: Trade Period (6:00 D to 6:00 D+1)

Frequency: Following the completion of each MSP Software Run (EA, EA2, WD1, EP1 and EP2)

| Element Name | Format | Description |
|---|-------------------------------|---|
| BATCH_ID | NUMBER(18) | Available Credit Cover data batch identifier |
| ACC_REPORT_TIME | DATE (DD/MM/YYYY HH:MM:SS) | ACC published timestamp |
| CODE_PARTICIPANT_NAME | VARCHAR2(50) | Name of the Code Participant |
| TRADE_DATE | DATE (DD/MM/YYYY) | A 24-hour period containing forty eight 30-minute trading periods, except on the clock change days in spring and autumn when the Trading Day will last for 23 and 25 hours respectively The first trading period of the trading day commences at 06:00hrs. |
| RUN_TYPE | VARCHAR2(4) | MSP Software run applicable to the report (EA, EA2, WD1, EP1 or EP2). |
| ACC_BALANCE | NUMBER(15,2) | Available Credit Cover |
| REASON | VARCHAR2(250) | 'RERUN' if due to a rerun, otherwise blank |
| ECPI_REPORT_ID | NUMBER(8) | CRM Report Run identifier for ECPI. |
| ECPI | NUMBER(26,6) | Estimated Capacity Price for Interconnectors |
| RCC_REPORT_ID | NUMBER(8) | CRM Report Run identifier for RCC values. |
| POSTED_CREDIT_COVER | NUMBER(26,6) | Posted Credit Cover |
| S_REQ_CREDIT_COVER | NUMBER(26,6) | Required Credit Cover for Supplier Units |
| G_REQ_CREDIT_COVER | NUMBER(26,6) | Required Credit Cover for Generator Units |
| FIXED_CREDIT_COVER | NUMBER(26,6) | Fixed Credit Cover |
| E_LAST_SETTLEDAY | DATE (DD/MM/YYYY) | Last settlement date for Energy market (Calendar Date) |
| C_LAST_SETTLEDAY | DATE (DD/MM/YYYY) | Last settlement date for Capacity market (Calendar Date) |
| The following fields will be presented with a summation of Traded-Not-Settled Exposure, excluding the current Trade Date information first and a series of Traded-Not-Settled Exposure for the current Trade Date information at a Trading Period level. | | |
| PARTICIPANT_NAME | CHAR(32) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the Interconnector |
| TRADING_DAY | DATE (DD/MM/YYYY) | The Trading Day |
| DELIVERY_DATE | DATE (DD/MM/YYYY) | Calendar Day (referred to as "Day" in the Code). |

| Element Name | Format | Description |
|-------------------|--------------|--|
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| ETEV | NUMBER(26,6) | Energy Traded Exposure Inclusive of VAT for the relevant Code Participant, Trade Date and Run Type |
| CTEV | NUMBER(26,6) | Capacity Traded Exposure Inclusive of VAT for the relevant Code Participant, Trade Date and Run Type |

4.3.94 MSP CANCELLATION

Report Type: Market
 Report Sub-Type: DAY_AHEAD
 Periodicity: Following each MSP Cancellation Execution
 Report Name: PUB_MSP_Cancel
 File Name: PUB_MSP_Cancel
 Report Title: MSP Cancellation
 Audience: Any MPI user
 Resolution: Trade Period (6:00 D to 6:00 D+1)
 Frequency: On Cancellation of any MSP Software Run. Note: EA MSP Software Run cannot be cancelled.

| Element Name | Format | Description |
|-----------------------|-------------------------------|---|
| TRADE_DATE | DATE (DD/MM/YYYY) | The Trading Day corresponding to the MSP Software Run that was cancelled. |
| RUN_TYPE | VARCHAR2(4) | The MSP software Run that was cancelled. |
| CANCELLATION_DATETIME | DATE (DD/MM/YYYY, HH24:MI:SS) | The Date and time when the Cancellation Execution was undertaken. |

4.3.95 LIST OF ACTIVE MARKET PARTICIPANTS

Report Type: Registration
 Report Sub-Type: MP Activity
 Periodicity: N/A
 Report Name: PUB_ActiveMPs
 File Name: PUB_ActiveMPs
 Report Title: List of Active Market Participants (PUBLIC)
 Audience: Public
 Resolution: As Accepted by the Market Operator
 Frequency: On Demand

| Element Name | Format | Description |
|-------------------|-------------------|---|
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| ORGANISATION_NAME | VARCHAR2(50) | Organisation Name. |
| START_DATE | DATE (DD/MM/YYYY) | Start date for activity of the Participant. |
| END_DATE | DATE (DD/MM/YYYY) | End date for activity of the Participant. |

4.3.96 LIST OF ACTIVE UNITS

Report Type: Registration
 Report Sub-Type: MP Activity
 Periodicity: N/A
 Report Name: PUB_ActiveUnits
 File Name: PUB_ActiveUnits
 Report Title: List of Active Units (PUBLIC)
 Audience: Public
 Resolution: As Accepted by the Market Operator
 Frequency: On Demand

| Element Name | Format | Description |
|---------------|--------------|---|
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Indicates the type of resource for which data is being submitted - for example, this will indicate if a resource is predictable or variable and whether it is a price taker or price maker. Permitted values are: PPMG, PPTG, VPMG, VPTG, APTG, DU, SU and I. |

| Element Name | Format | Description |
|-----------------|-------------------|------------------|
| EFFECTIVE_DATE | DATE (DD/MM/YYYY) | Effective date. |
| EXPIRATION_DATE | DATE (DD/MM/YYYY) | Expiration date. |

4.3.97 LIST OF ACTIVE MARKET PARTICIPANTS AND UNITS

Report Type: Registration
 Report Sub-Type: MP Activity
 Periodicity: N/A
 Report Name: PUB_ActiveMPUnits
 File Name: PUB_ActiveMPUnits
 Report Title: List of Active Market Participants and Units (PUBLIC)
 Audience: Public
 Resolution: As Accepted by the Market Operator
 Frequency: On Demand

| Element Name | Format | Description |
|-------------------|-------------------|--|
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| ORGANISATION_NAME | VARCHAR2(50) | Organisation Name. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Resource Type Values: <ul style="list-style-type: none"> • PPMG – Predictable Price Maker Generator Unit; • PPTG – Predictable Price Taker Generator Unit; • VPMG – Variable Price Maker Generator Unit; • VPTG – Variable Price Taker Generator Unit; • APTG – Autonomous Price Taker Generator Unit; • SU – Supplier Unit; • I – Interconnector; • DU – Demand Unit. |
| EFFECTIVE_DATE | DATE (DD/MM/YYYY) | Effective date. |

| Element Name | Format | Description |
|-----------------|----------------------|------------------|
| EXPIRATION_DATE | DATE (DD/MM/YYYY) | Expiration date. |

4.3.98 MONTHLY UPDATES TO SETTLEMENT CLASS

Report Type: Registration
 Report Sub-Type: MP Activity
 Periodicity: Monthly
 Report Name: PUB_M_SttlClassesUpdates
 File Name: PUB_M_SttlClassesUpdates
 Report Title: Monthly Updates to Settlement Classes (PUBLIC)
 Audience: Public
 Resolution: As Unit Types are updated
 Frequency: Once Every Month

| Element Name | Format | Description |
|------------------|-------------------|--|
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| RESOURCE_NAME | VARCHAR2(32) | The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being reported). |
| RESOURCE_TYPE | VARCHAR2(4) | Resource Type Values: <ul style="list-style-type: none"> • PPMG – Predictable Price Maker Generator Unit; • PPTG – Predictable Price Taker Generator Unit; • VPMG – Variable Price Maker Generator Unit; • VPTG – Variable Price Taker Generator Unit; • APTG – Autonomous Price Taker Generator Unit; • SU – Supplier Unit; • I – Interconnector; • DU – Demand Unit. |
| EFFECTIVE_DATE | DATE (DD/MM/YYYY) | Effective Settlement Class change date. |
| EXPIRATION_DATE | DATE (DD/MM/YYYY) | Expiration of Settlement Class date. |

4.3.99 LIST OF SUSPENDED/TERMINATED MARKET PARTICIPANTS

Report Type: Registration
 Report Sub-Type: MP Activity
 Periodicity: N/A
 Report Name: PUB_SuspTermMPs
 File Name: PUB_SuspTermMPs
 Report Title: List of Suspended/Terminated Market Participants (PUBLIC)
 Audience: Public
 Resolution: As Registered by MP's
 Frequency: On Demand

| Element Name | Format | Description |
|-------------------|-------------------|---|
| PARTICIPANT_NAME | VARCHAR2(12) | The Account PT Identifier, which represents the name of Market Participant, as registered in the CMS. |
| ORGANISATION_NAME | VARCHAR2(50) | Organisation Name. |
| REQUEST_TYPE | VARCHAR2(10) | Request Type Values: TERMINATED or SUSPENDED. |
| EFF_DATE | DATE (DD/MM/YYYY) | Effective date. |

4.3.100 INTERCONNECTOR OFFERED CAPACITY PUBLICATION

Report Type: System
 Report Sub-Type: INTCON
 Periodicity: Daily
 Report Name: PUB_D_IntconnOfferCapacity
 File Name: PUB_D_IntconnOfferCapacity_<Run_Type>
 Where RUN_TYPE is one of EA or EA2
 Report Title: Interconnector Offered Capacity (PUBLIC)
 Audience: Public
 Resolution: For EA Trade Period (06:00 D to 06:00 on D+1)
 For EA2 Trade Period (18:00 D to 06:00 D+1)
 Frequency: After each EA and EA2 MSP Software Run and associated MIUN Calculation

| Element Name | Format | Description |
|---------------|--------------|---------------------|
| RESOURCE_NAME | VARCHAR2(32) | Interconnector Name |

| Element Name | Format | Description |
|-------------------|------------------|--|
| TRADE DATE | DATE(DD/MM/YYYY) | The Trading Day corresponding to the MSP Software Run |
| DELIVERY DATE | DATE(DD/MM/YYYY) | Calendar Day (referred to as “Day” in the Code). |
| DELIVERY_HOUR | NUMBER(2) | The hour of the day, based on the end of hour convention. |
| DELIVERY_INTERVAL | NUMBER(2) | Will be 1 or 2, to split an hour into two equal Trading Periods (i.e. 1 denotes the first half-hour and 2 denotes the second half-hour). |
| AIC | NUMBER(8,3) | Allocated Interconnector Capacity MW (AIC) |
| OICE | NUMBER(8,3) | Implicit Auction Offered Interconnector Capacity for Export MW (OICE) |
| OICI | NUMBER(8,3) | Implicit Auction Offered Interconnector Capacity for Import MW (OICI) |
| MAX_EXPORT_ATC | NUMBER(8,3) | Maximum Available Transfer Capacity - Export |
| MAX_IMPORT_ATC | NUMBER(8,3) | Maximum Available Transfer Capacity - Import |

4.4 XML STRUCTURE

Market System Reports will be made available to Market Participants through the Market Participant Interface (MPI) in XML or HTML format. To further assist in the understanding of each report definition, included in this section is an explanation of the XML output structure and instructions detailing how the fields in a report definition map to the XML output structure. This includes a worked example.

The XML report structure is consistent with the following hierarchy:

- The REPORT element contains two nested elements REPORT_HEADER and REPORT_BODY.
- The REPORT_HEADER element contains a nested element called HEADROW. The contents of HEADROW are described in each report definition.
 - **Note:** For those reports which are produced for the Ex-Ante MSP Software Runs which have different versions for EA, EA2 and WD1 runs, the RUN_TYPE field will be included in the REPORT_HEADER element. Possible values for RUN_TYPE are EA, EA2 and WD1.
- The REPORT_BODY element contains a nested element called PAGE. Each PAGE can contain multiple DATAROW elements and the contents of DATAROW are described in each report definition.

Sample XML: Market Prices Averages report:

```
<?xml version="1.0" ?>
<!DOCTYPE REPORT (View Source for full doctype...)>
<REPORT>
  <REPORT_HEADER>
    <HEADROW num="1">
      <REPORT_NAME>PUB_D_MarketPricesAverages</REPORT_NAME>
      <TITLE>Daily Market Prices Averages (SMP) (PUBLIC)</TITLE>
      <RPT_DATE>15/03/2007 11:13:57</RPT_DATE>
      <TRADE_DATE>20070228</TRADE_DATE>
    </HEADROW>
  </REPORT_HEADER>
  <REPORT_BODY>
    <PAGE>
      <DATAROW num="1">
        <TRADE_DATE>28/02/2007</TRADE_DATE>
        <SMP_AVERAGE>93.67</SMP_AVERAGE>
        <CURRENCY_FLAG>E</CURRENCY_FLAG>
      </DATAROW>
      <DATAROW num="2">
        <TRADE_DATE>28/02/2007</TRADE_DATE>
        <SMP_AVERAGE>63.29</SMP_AVERAGE>
        <CURRENCY_FLAG>P</CURRENCY_FLAG>
      </DATAROW>
    </PAGE>
  </REPORT_BODY>
</REPORT>
```

4.5 XML SAMPLES

- When a Market Participant requests a report, they will receive a single response from the CMS. This Response can be either:
 - the report itself; or
 - an xml “error” message (when the request is invalid).
- Processing statistics details are not applicable for reports, however it is possible to request a report that contains processing statistics (refer to section 4.6.1.3 case 2a below).
- By default, the Sample Market Participant Client Toolkit will also return a Digital Signature xml file generated locally.
- Two examples are presented below – one each for List Reports and retrieval of an individual Report, with samples for both successful and unsuccessful requests.

4.5.1.1 CASE 1A: LIST REPORTS

A Market Participant requests the list of reports available and receives back the name and type of the reports available (in this case two).

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <market_report application_type="MARKET_REPORT"
    participant_name="MKTPAR" user_name="MKTPAR01" mode="NORMAL">
  <report_request action="DOWNLOAD" request_type="LIST_REPORTS"
    report_type="MARKET" report_sub_type="DAY_AHEAD_STANDING_OPEN"
    periodicity="DAILY" trade_date="2007-04-03"
    multiple_messages="false" version_no="1.0" />
  </market_report>
</file_exchange>
```

Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  username="MKTPAR01@MKTPAR">
  <messages />
  <market_report application_type="MARKET_REPORT" mode="NORMAL"
    participant_name="MKTPAR" user_name="MKTPAR01">
  <messages>
  <information>Successfully processed:
    application_type=MARKET_REPORT.</information>
  </messages>
  <report_request periodicity="DAILY"
    report_sub_type="DAY_AHEAD_STANDING_OPEN" report_type="MARKET"
    trade_date="2007-04-03" action="DOWNLOAD"
    multiple_messages="false" request_type="LIST_REPORTS"
    valid="true" version_no="1.0">
  <messages>
  <information>Successfully processed: action=DOWNLOAD and
    request_type=LIST_REPORTS.</information>
  <information>Number of files which matched the request:
    2.</information>
  </messages>
  <report_response>
  <report_item access_class="MP" file_name="Market
    Participant_D_StndConv_GENOFF_all.xml" file_type="XML"
    periodicity="DAILY" report_name="Market Participant_D_StndConv"
    report_sub_type="DAY_AHEAD_STANDING_OPEN" report_type="MARKET"
    trade_date="2007-04-03" binary_file="false" description="Daily
    Standing conversion Results at Market Open" expiry_date="2007-
    07-02" file_size="44348" />
  <report_item access_class="MP" file_name="Market
    Participant_D_StndConv_TRDSITEDATA_all.xml" file_type="XML"
    periodicity="DAILY" report_name="Market Participant_D_StndConv"
    report_sub_type="DAY_AHEAD_STANDING_OPEN" report_type="MARKET"
    trade_date="2007-04-03" binary_file="false" description="Daily
    Standing conversion Results at Market Open" expiry_date="2007-
    07-02" file_size="1904" />
  </report_response>
  </report_request>
  </market_report>
  </file_exchange>
```

4.5.1.2 CASE 1B: LIST REPORTS – NONE AVAILABLE

A Market Participant requests the list of reports available and receives back a message that there is no report available.

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <market_report application_type="MARKET_REPORT"
    participant_name="MKTPAR" user_name="MKTPAR01" mode="NORMAL">
  <report_request action="DOWNLOAD" request_type="LIST_REPORTS"
    report_type="REGISTRATION" report_sub_type="ADHOC"
    periodicity="ADHOC" trade_date="2007-03-05"
    multiple_messages="false" version_no="1.0" />
  </market_report>
</file_exchange>
```

Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  username="MKTPAR01@MKTPAR">
  <messages />
  <market_report application_type="MARKET_REPORT" mode="NORMAL"
    participant_name="MKTPAR" user_name="MKTPAR01">
  <messages>
  <warning>No files matched the request:
    application_type=MARKET_REPORT.</warning>
  </messages>
  <report_request periodicity="ADHOC" report_sub_type="ADHOC"
    report_type="REGISTRATION" trade_date="2007-03-05"
    action="DOWNLOAD" multiple_messages="false"
    request_type="LIST_REPORTS" valid="true" version_no="1.0">
  <messages>
  <warning>No files matched the request: action=DOWNLOAD and
    request_type=LIST_REPORTS.</warning>
  <warning>Number of files which matched the request: 0.</warning>
  </messages>
  <report_response />
  </report_request>
  </market_report>
</file_exchange>
```

4.5.1.3 CASE 2A: REPORT REQUEST

A Market Participant requests a specific xml report and receives back the associated report.

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<market_report application_type="MARKET_REPORT"
  participant_name="MKTPAR" user_name="MKTPAR01" mode="NORMAL">
<report_request request_type="REPORT" action="DOWNLOAD"
  access_class="MP" file_type="XML" periodicity="DAILY"
  report_name="Market Participant_D_StndConv" file_name="Market
  Participant_D_StndConv_TRDSITEDATA_all.xml" report_type="MARKET"
  trade_date="2007-04-03" multiple_messages="false"
  version_no="1.0" />
</market_report>
</file_exchange>
```

Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<bids_offers username="MKTPAR01@MKTPAR" valid="true"
  xsi:noNamespaceSchemaLocation="mint_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <processing_statistics invalid="2" received="3" successful="1"
    time_ms="141" time_stamp="Mon Mar 05 09:35:15 GMT 2007"
    transaction_id="KR259ZE3" unsuccessful="2" valid="1"
    xml_time_stamp="2007-03-05T09:35:15.097+00:00" />
  <market_submit application_type="DAM" delivery_date="2007-04-03"
    mode="NORMAL" participant_name="MKTPAR" process="true"
    trading_date="2007-04-03" user_name="MKTPAR01" valid="true"
    standing_conversion="true">
    <sem_trading_site_data standing_flag="false" success="true"
      valid="true" version_no="1.0"
      trading_site_name="SampleTradingSite1">
      <messages>
      <information>Successfully processed the SEM Trading Site
        Data.</information>
      </messages>
      <shared_energy_limit_detail active_flag="true" limit_factor="0.25"
        limit_mwh="20.2" />
      </sem_trading_site_data>
      <sem_trading_site_data standing_flag="false" success="false"
        valid="false" version_no="1.0"
        trading_site_name="SampleTradingSite1111">
      <messages>
      <error>Invalid trading_site_name SampleTradingSite1111</error>
      </messages>
      <shared_energy_limit_detail active_flag="true" limit_factor="0.25"
        limit_mwh="20.2" />
      </sem_trading_site_data>
      <sem_trading_site_data standing_flag="false" success="false"
        valid="false" version_no="1.0" trading_site_name="
        SampleTradingSite2222">
      <messages>
      <error>Invalid trading_site_name SampleTradingSite2222</error>
      </messages>
      <identifier external_id="TESTING ALL" />
      <shared_energy_limit_detail active_flag="true" limit_factor="0.66"
        limit_mwh="160.0" />
      </sem_trading_site_data>
    </market_submit>
  </bids_offers>
```

Note: This is a report of a failed standing bid conversion. The processing statistics information is from that conversion, not the report request. The report is flagging that three trading sites are found for the relevant Market Participant, but the trading site name is invalid for two of these.

4.5.1.4 CASE 2B: REPORT REQUEST – NO FILE AVAILABLE

A Market Participant requests a specific xml report and receives a response indicating that the requested report is not available.

Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <market_report application_type="MARKET_REPORT"
    participant_name="MKTPAR" user_name="MKTPAR01" mode="NORMAL">
  <report_request request_type="REPORT" action="DOWNLOAD"
    access_class="MP" file_type="XML" periodicity="DAILY"
    report_name="Market Participant_D_StndConv"
    file_name="Non_Existing_Report.xml" report_type="MARKET"
    trade_date="2007-04-03" multiple_messages="false"
    version_no="1.0" />
  </market_report>
</file_exchange>
```

Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<file_exchange
  xsi:noNamespaceSchemaLocation="mi_file_exchange_sem.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  username="MKTPAR01@MKTPAR">
  <messages />
  <market_report application_type="MARKET_REPORT" mode="NORMAL"
    participant_name="MKTPAR" user_name="MKTPAR01">
  <messages>
  <warning>No files matched the request:
    application_type=MARKET_REPORT.</warning>
  </messages>
  <report_request access_class="MP"
    file_name="Non_Existing_Report.xml" file_type="XML"
    periodicity="DAILY" report_name="Market Participant_D_StndConv"
    report_type="MARKET" trade_date="2007-04-03" action="DOWNLOAD"
    multiple_messages="false" request_type="REPORT" valid="true"
    version_no="1.0">
  <messages>
  <warning>No files matched the request: action=DOWNLOAD and
    request_type=REPORT.</warning>
  <warning>Number of files which matched the request: 0.</warning>
  </messages>
  <report_response />
  </report_request>
  </market_report>
</file_exchange>
```

5 SETTLEMENT REPORTS

This section describes all reports which are produced by the Settlement & Invoicing system.

There are two types of Settlement Reports:

- Member Private Settlement Reports, comprising:
 - Statement;
 - Participant Information Report;
 - Credit Cover Report (CCR);
 - Reallocation Agreement Report;
 - Cancelled Reallocation Agreement Report; and
 - Invoice.
- General Public Settlement Publications, comprising:
 - Energy Market Financial Publication (MFR);
 - Energy Market Information Publication (MIR);
 - Capacity Market Financial Publication (MFR);
 - Capacity Market Information Publication (MIR); and
 - Metered Generation Information Publication (MGR).

The following sections describe the major elements of settlement reports.

5.1 SETTLEMENT DIRECTORY LISTING

In order for Market Participants to view which files are available to them at any particular time, they can request a directory listing using the following XML:

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<directory date="2007-11-05"> </directory>
```

If successful, and reports are available, this will return a response similar to the following:

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<directory_file_list>
  <file name="CAPEXG_P_PGEN_2007-11-05.csv"/>
  <file name="CAPEXG_P_PGEN_2007-11-05(1).csv"/>
  <file name="ENGEXG_P_PGEN_2007-11-05.csv"/>
  <file name="ENGIPCC_P_PGEN_2007-11-05.csv"/>
  <file name="CAIPCC_P_PGEN_2007-11-05.csv"/>
  <file name="ENGEXG_P_PGEN_2007-11-05(1).csv"/>
```

```
<file name="ENGEXG_P_PGEN_2007-11-05 (2).csv"/>
<file name="ENGEXG_P_PGEN_2007-11-05(3).csv"/>
<file name="ENGEXG_P_PGEN_2007-11-05(4).csv"/>
<file name="MOEXG_P_PGEN_2007-11-05(1).csv"/>
<file name="MOEXG_P_PGEN_2007-11-05(2).csv"/>
<file name="FMOEXG_P_PGEN_2007-11-05.csv"/>
<file name="CA_PIR_PGEN_P_2007-11-05.csv"/>
<file name="EN_PIR_PGEN_P_2007-11-05.csv"/>
<file name="INV_1079_PGEN_P_2007-11-05.csv"/>
<file name="INV_1079_PGEN_P_2007-11-05.csv"/>
<file name="EN_MFR_P_2007-11-05.csv"/>
<file name="EN_MIR_P_2007-11-05.csv"/>
<file name="EN_MGR_P_2007-11-05.csv"/>
<file name="CA_MFR_P_2007-11-05.csv"/>
<file name="CA_MIR_P_2007-11-05.csv"/>
<directory_file_list>
```

Note: The above response Directory Listing contains Statements, Reports and Publications. It can return all four Settlement file types (Statements, Reports, Invoices and Publications), if they are available.

With regard to the Statements, Reports and Publications, the Settlement Type code is indicated in each file name as follows:

- P (representing the Indicative run);
- F (representing the Initial run); and
- F (representing the nth revised Initial run).

Note: Revised Initial run is not applicable for General Public Settlement Publications.

5.2 MEMBER PRIVATE SETTLEMENT REPORTS

There are three Member Private Settlement file types available:

- Statements (CSV file type);
- Reports (CSV file type), comprising:
 - Participant Information Report (PIR);
 - Settlement Reallocation Agreement Report;
 - Cancelled Reallocation Agreement Report; and
 - Credit Cover Report.
- Invoices (XML file type).

Sign convention:

- Amounts to be paid to Market Participants are positive values on Statements, but are negative values on Invoices.
- Amounts to be paid by Market Participants are negative values on Statements, but are positive on Invoices.
- Settlement reallocation amounts that are positive mean a debit to the Market Participant and a negative amount means a credit to Market Participant.

5.2.1 STATEMENTS

5.2.1.1 FILE TYPE

CSV file, available through the Type 3 communication channel.

Example XML request:

```
<?xml version="1.0" encoding="UTF-8"?>
<statement segment="ENGEXG" type="INDICATIVE" date="2006-10-31"/>
```

Where:

- “Segment” – segment abbreviation
 - ENGEXG – energy payment and charge amount exchanged;
 - MOEXG – market operator charges amount exchanged;
 - CAPEXG – capacity payment and charge amount exchanged;
 - ENGIPCC - currency cost for Energy market;
 - CAPIPC - currency cost for Capacity market;
 - FMOEXG – fixed market operator charges amount exchanged.
 - UP-E-EXG- Exchanged Energy Underpayment Allocation
 - UP-C-EXG- Exchanged Capacity Underpayment Allocation
- “Type” – Settlement Type
 - INDICATIVE – indicative run;
 - INITIAL – initial run;
 - REVISED – revised initial run.
- “Date” – Settlement Date in “YYYY-MM-DD” numeric format.

The above XML returns the latest available file. To request a specific file, the following xml request is used:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="CAPEXG_P_PGEN_2006-10-31.csv" date="2006-10-31">
</file>
```

5.2.1.2 FILE NAMING CONVENTION

The file is named as follows:

1. "segment"_"type"_"participant name"_"date".CSV; or
2. "segment"_"type"_"participant name"_"date"("n").csv (if the "type" is "F" only).

Where:

- "segment" – segment abbreviation (see above);
- "type" – settlement type code (see section 5.1);
- "date" – date in "YYYY-MM-DD" numeric format (leading zeros for month and day);
- ("n") – version number :
e.g.: "ENGEXG_F_MKTPAR_2006-10-20.csv"; or
"ENGEXG_F_MKTPAR_2006-10-20(2).csv".

5.2.1.3 FILE LAYOUT

The layout of the file is as follows:

- Header Record;
- Summary Record;
- Detail Record; and
- Trailer Record.

5.2.1.3.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|--|------------------------|-----------|-------|------------------------|
| 1 | Record Type | Indicates the type of record. | 'H' | Char 1 | | H |
| 2 | File_Version | The version number that defines the file layout. This version is 008. | | Char 3 | | 008 |
| 3 | Entity | Settlement Entity that the update is for. | | Char 20 | | SEMO |
| 4 | Timestamp | Date and time the file was created. Military time. | YYYY-MM-DD HH:MM:SS | Date time | | 2005-05-15 20:55:45 |
| 5 | File No | Sequence number of the file; unique to each settlement statement file. | | Number(8) | | 2001 |
| 6 | Participant | The participant unique identifier (short name). | | Char 100 | | MKTPAR |
| 7 | Statement No | Settlement statement No, which is the unique identifier for the statement. Each statement is linked to one settlement job. | | Number(8) | | 3221 |
| 8 | Type | Status type for the data. It indicates whether the report is based on Indicative (P) Initial/Revised (F). | 'P','F' | Char 1 | | P |

| # | Field | Definition | Domain | Format | Null? | Example |
|----|----------------|--|------------------------|-----------|-------|------------------------|
| 9 | Market | Market abbreviation that uniquely identifies the market | | Char 2 | | EN |
| 10 | Segment | Segment or product group abbreviation that uniquely identifies the segment. | | Char 8 | | ENGEXG |
| 11 | Job ID | Settlement Job No that identified the group of statement created in a calculation. | | Number(8) | | 3321 |
| 12 | Job_Version | Version of run or calculation job. Every time a segment and settlement day is calculated the version increases by one. | | Number(8) | | 1 |
| 13 | Timestamp | Date and time the settlement job was created. Military time. | YYYY-MM-DD HH:MM:SS | Date time | | 2005-05-15 20:55:45 |
| 14 | Settlement Day | The settlement day for the job. This is the date the energy was delivered and consumed. | YYYY-MM-DD | Date | | 2005-05-20 |

5.2.1.3.2 SUMMARY RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|---|---------------------|---|-------------------|---------------|-------|----------------|
| 1 | Record Type | Indicates the type of record | 'S' | Char 1 | | S |
| 2 | Product | Product unique identifier (short name) | | Char 32 | | ENPEX |
| 3 | Product Description | Product code description (PRODUCTPART.DESRIPTION) | | Char 1000 | | Energy Payment |
| 4 | Delivery Day | Date the energy was delivered and consumed. | YYYY-MM-DD | Date | | 2001-05-20 |
| 5 | Pay/Charge | Indicates whether transaction is a payment (P) or charge (C). (P record is populated when summary records are calculated as positive amount (0 or greater); C record is populated when summary records are calculated as negative amount) | 'P','C' | Char 1 | | P |
| 6 | Total Quantity | Sum of all the billable quantity records for all the hours for the given product ID. Shown with 2 decimals. Minus sign is used if needed. The value in this field is not relevant for the Market Participant | | Number (28.2) | | 0.00 |
| 7 | Unit | Type of quantity unit. E.g. MWh. | 'MWh' | Char 18 | | MWh |
| 8 | Total Amount | Sum of all the amount records for all the hours for the given product ID. This could be payment or charges. Minus sign is used if needed. | | Number (28.2) | | 4533.21 |
| 9 | Unit | Unit for Amount column ('/' may be used if the amount could be in either GBP or EUR) | 'GBP', 'EUR', '/' | Char 18 | | '/' |

5.2.1.3.3 DETAIL RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|----|-------------------------------------|--|------------|-----------|-------|---------------|
| 1 | Record Type | Indicates the type of record. | 'D' | Char 1 | | D |
| 2 | Product | Product unique identifier (short name). For Combined product; For positive sum add P, for negative sum add C at the end of the product name. | | Char 100 | | ENPEX |
| 3 | Order | Order unique identifier (number). | | Number(8) | | 2225 |
| 4 | Pay/Charge | Indicates whether transaction is a payment (P) or charge (C) (P record is populated when detail records are calculated as positive amount (0 or greater); C record is populated when detail records are calculated as negative amount). | 'P','C' | Char 1 | | P |
| 5 | Operation date | The date energy is delivered and consumed. | YYYY-MM-DD | Date | | 2005-05-20 |
| 6 | Hour | Operation hour ending. | (1-24) | Date HH | | 7 |
| 7 | Min | Operation min starting. | (00-59) | Date MM | | 00 |
| 8 | Resolution | Time resolution will give information of length of the interval. 30 30-minute 31 Hour 32 Day 33 Week 34 Month 40 Undefined | 30-34,40 | Number(2) | | 30 |
| 9 | PDA | Not used | Not used | Not used | √ | Not used |
| 10 | Comments | Reserved for future use. This field is not populated in this file version. | | Char 32 | √ | |
| 11 | Resource | The unique identifier for the Participant's resource/unit. This would be null (blank) when the settlement line is for a non-resource. | | Char 100 | √ | UNIT1 |
| 12 | Location | The unique identifier for the location of the resource/unit, e.g. zone or hub. This would be null (blank) when the settlement line is for a non-resource. | | Char 10 | √ | Power Station |
| 13 | Internal Zone | Not used. | Not used | Not Used | √ | Not Used |
| 14 | Jurisdiction | The unique identifier for jurisdictions. This would be null when the settlement line is not for Jurisdiction. | | Char 30 | √ | NI |
| 15 | Contract (Interconnector Unit Gate) | The unique identifier for the contract or trade. This would be null (blank) when the settlement line is for a non-contract. This field will be populated when settlement lines are for an Interconnector Unit Gate. The field will contain the Interconnector Unit and Gate | | Char 100 | √ | I_NIMOYLE_EA |

| # | Field | Definition | Domain | Format | Null? | Example |
|----|----------------|--|-------------------|---------------|-------|-----------|
| 16 | Interconnector | The unique identifier for an interconnector, path. This field is only populated for settlement line relevant for interconnectors or otherwise, null (blank) | | Char 32 | √ | I_NIMOYLE |
| 17 | Quantity | Billable quantity for the given interval. Minus sign is used if needed. Shown with 2 decimals. The value in this field is not relevant for the Market Participant. | | Number (28.2) | | 0.00 |
| 18 | Unit | Type of quantity unit. E.g. MWh. | | Char 18 | | MWh |
| 19 | Amount | Billable amount. Payment or charge. Minus sign is used if needed. | | Number (28.2) | | 2340.22 |
| 20 | Unit | Unit for Amount column ('/' may be used if the amount could be in either GBP or EUR) | 'GBP'. 'EUR', '/' | Char 18 | | '/' |

5.2.1.3.4 TRAILER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|---|--------|--------|-------|---------|
| 1 | Record Type | Indicates the type of record. | 'T' | Char 1 | | T |
| 2 | Record Count | Number of records contained in the file including the header and trailer records. | | Number | | 32 |

5.2.1.4 SAMPLE CSV

The following screenshot illustrates a sample Energy Statement (rows 20 to 95 are hidden).

| | |
|-----|--|
| 1 | H,008,AIP,2012-10-08 10:27:52,1634085,PT_123456,4197742,F,EN,ENGEXG,89310,2,2012-10-08 10:27:14,2012-10-03 |
| 2 | S,ENPIUGEX,Energy Payment for Interconnector Unit,2012-10-03,P,0.0000,MWh,22927.0300,/ |
| 3 | S,CONPIUGEX,Constraint Payments for Interconnector Unit Exchanged,2012-10-03,P,0.0000,MWh,1023.0900,/ |
| 4 | D,ENPIUGEX,1146883,P,2012-10-03,1,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,365.2151,/ |
| 5 | D,ENPIUGEX,1146883,P,2012-10-03,1,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,357.1931,/ |
| 6 | D,ENPIUGEX,1146883,P,2012-10-03,2,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,148.8364,/ |
| 7 | D,ENPIUGEX,1146883,P,2012-10-03,2,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 8 | D,ENPIUGEX,1146883,P,2012-10-03,3,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 9 | D,ENPIUGEX,1146883,P,2012-10-03,3,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 10 | D,ENPIUGEX,1146883,P,2012-10-03,4,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 11 | D,ENPIUGEX,1146883,P,2012-10-03,4,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 12 | D,ENPIUGEX,1146883,P,2012-10-03,5,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 13 | D,ENPIUGEX,1146883,P,2012-10-03,5,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 14 | D,ENPIUGEX,1146883,P,2012-10-03,6,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 15 | D,ENPIUGEX,1146883,P,2012-10-03,6,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 16 | D,ENPIUGEX,1146883,P,2012-10-03,7,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 17 | D,ENPIUGEX,1146883,P,2012-10-03,7,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,333.0522,/ |
| 18 | D,ENPIUGEX,1146883,P,2012-10-03,8,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,384.2392,/ |
| 19 | D,ENPIUGEX,1146883,P,2012-10-03,8,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,422.0587,/ |
| 96 | D,CONPIUGEX,1146884,P,2012-10-03,23,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 97 | D,CONPIUGEX,1146884,P,2012-10-03,23,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 98 | D,CONPIUGEX,1146884,P,2012-10-03,24,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 99 | D,CONPIUGEX,1146884,P,2012-10-03,24,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 100 | T,100 |

The following screenshot illustrates a sample Capacity Statement (rows 20 to 41 are hidden).

| | |
|----|--|
| 1 | H,008,AIP,2012-11-08 16:37:40,1678932,PT_123456,4322525,F,CA,CAPEXG,91340,2,2012-11-08 12:00:08,2012-10-03 |
| 2 | S,CPIUGEX,Capacity Payment for Interconnector & Residual Units Exchanged,2012-10-03,P,0.0000,MWh,3598.1200,/ |
| 3 | D,CPIUGEX,1146895,P,2012-10-03,1,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,10.4859,/ |
| 4 | D,CPIUGEX,1146895,P,2012-10-03,1,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,9.4914,/ |
| 5 | D,CPIUGEX,1146895,P,2012-10-03,2,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,7.4622,/ |
| 6 | D,CPIUGEX,1146895,P,2012-10-03,2,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,6.1258,/ |
| 7 | D,CPIUGEX,1146895,P,2012-10-03,3,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,4.7418,/ |
| 8 | D,CPIUGEX,1146895,P,2012-10-03,3,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.5872,/ |
| 9 | D,CPIUGEX,1146895,P,2012-10-03,4,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 10 | D,CPIUGEX,1146895,P,2012-10-03,4,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 11 | D,CPIUGEX,1146895,P,2012-10-03,5,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 12 | D,CPIUGEX,1146895,P,2012-10-03,5,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 13 | D,CPIUGEX,1146895,P,2012-10-03,6,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 14 | D,CPIUGEX,1146895,P,2012-10-03,6,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,2.4033,/ |
| 15 | D,CPIUGEX,1146895,P,2012-10-03,7,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,0.0000,/ |
| 16 | D,CPIUGEX,1146895,P,2012-10-03,7,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,6.2568,/ |
| 17 | D,CPIUGEX,1146895,P,2012-10-03,8,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,14.0706,/ |
| 18 | D,CPIUGEX,1146895,P,2012-10-03,8,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,29.0089,/ |
| 19 | D,CPIUGEX,1146895,P,2012-10-03,9,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,58.8373,/ |
| 42 | D,CPIUGEX,1146895,P,2012-10-03,20,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,91.3241,/ |
| 43 | D,CPIUGEX,1146895,P,2012-10-03,21,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,77.0150,/ |
| 44 | D,CPIUGEX,1146895,P,2012-10-03,21,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,76.8802,/ |
| 45 | D,CPIUGEX,1146895,P,2012-10-03,22,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,92.6180,/ |
| 46 | D,CPIUGEX,1146895,P,2012-10-03,22,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,112.4184,/ |
| 47 | D,CPIUGEX,1146895,P,2012-10-03,23,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,83.2839,/ |
| 48 | D,CPIUGEX,1146895,P,2012-10-03,23,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,49.4682,/ |
| 49 | D,CPIUGEX,1146895,P,2012-10-03,24,00,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,31.8996,/ |
| 50 | D,CPIUGEX,1146895,P,2012-10-03,24,30,30,,,,,NI,I_NIMOYLE_EA,I_NIMOYLE,00000,MWh,21.2176,/ |
| 51 | T,51 |

5.2.2 PARTICIPANT INFORMATION REPORT (PIR)

5.2.2.1 FILE TYPE

CSV file, available through the Type 3 communication channel.

Example XML request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<report market="EN" report="PIR" type="INITIAL" date="2006-09-26" />
```

Where:

- “Market” – Market abbreviation:
 - EN – energy market;
 - CA – capacity;
 - MO – Market Operator Charges Market; and
 - FMO – Fixed Market Operator Charges Market.
- “Report” – is “PIR”.
- “type” – settlement type:
 - INDICATIVE – indicative run; and
 - INITIAL – initial run.
- “date” – settlement date in “YYYY-MM-DD” numeric format.

Note: The file available for download is the latest produced by the Settlement system. When downloading a PIR associated with a revised run, then the type would be “INITIAL”.

5.2.2.2 FILE NAMING CONVENTION

The file is named as: “Market”_PIR_”Participant”_”Type”_”Settlement Date”.csv.

Where:

- “Market” – Market abbreviation (see above);
- “Type” – Settlement type code (see section 5.1);
- “Settlement Date” – date in “YYYY-MM-DD”
e.g. EN_PIR_MKTPAR_P_2006-10-20.csv.

Note: There is no version number in the file name for the PIR. The latest report is available for the Participant to download where there are multiple reports produced for the same report “Market”, “Type” and “Settlement Date”.

5.2.2.3 FILE LAYOUT

The layout of the file is as follows:

- Header Record;
- Summary Record;
- Detail Record; and
- Trailer Record.

5.2.2.3.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|----------------|---|------------------------|---------------|-------|---------------------|
| 1 | Record Type | Indicates the type of record. | {'H'} | Char 1 | | H |
| 2 | Version | The version number that defines the file layout. This version is 001. | | Char 3 | | 001 |
| 3 | Entity | This refers to the Market Operator. | | Char 20 | | SEMO |
| 4 | Timestamp | Date and time the file was created. Military time. | YYYY-MM-DD HH:MM:SS | Date time | | 2005-05-15 20:55:45 |
| 5 | File No | Sequence number of the file; unique to each PIR file. | | Number (8) | | 2001 |
| 6 | Participant | The Participant unique identifier (short name). | | Char 100 | | MKTPAR |
| 7 | Type | Status type for the data. It indicates whether the report is based on Indicative (P) Initial/Revised (F). | 'P','F' | Char 1 | | P |
| 8 | Settlement Day | The settlement day for the report. That is the main date the energy was delivered and consumed. | YYYY-MM-DD | Date | | 2005-05-20 |

5.2.2.3.2 SUMMARY RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------------|--|------------------------|-----------|-------|------------------------|
| 1 | Record Type | Indicates the type of record. | {'S'} | Char 1 | | S |
| 2 | Market | Market abbreviation that uniquely identifies the market. | | Char 2 | | EN |
| 3 | Segment | Segment or product group abbreviation that uniquely identifies the segment. | | Char 32 | | EN-CBFACTOR1 |
| 4 | Job ID | Settlement job No that identified the group of statement created in a calculation. | | Number(8) | | 3321 |
| 5 | Job_Version | Version of run or calculation job. Every time a segment and settlement day is calculated the version increases with one. | | Number(8) | | 1 |
| 6 | Type | Status type for the job. | 'P','F' | Char 1 | | P |
| 7 | Timestamp | Date and time the settlement job was created. Military time. | YYYY-MM-DD HH:MM:SS | Date time | | 2005-05-15 20:55:45 |

5.2.2.3.3 DETAIL RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|----|-------------------------------------|---|-------------------------------|---------------|-------|---------------|
| 1 | Record Type | Indicates the type of record. | 'D' | Char 1 | | D |
| 2 | Delivery Day | Date the energy was delivered and consumed. | YYYY-MM-DD | Date | | 2005-05-20 |
| 3 | Delivery Hour | Hour the energy was delivered and consumed. If an hour does not have any values there will be no record for this hour. | HH24 | Number(2) | | 7 or 13 |
| 4 | Resolution | Time resolution will give information of length of the interval. 30 30-minute 31 Hour 32 Day 33 Week 34 Month 40 Undefined | 30-34,40 | Number(2) | | 30 |
| 5 | PDA | Not used | Not used | Not used | √ | Not used |
| 6 | Variable type | The short name of the variable type code that is reported. | | Char 24 | | MG |
| 7 | Variable name | A name uniquely identifying the values. | | Char 156 | | MG_UNIT1 |
| 8 | Resource | The unique identifier for the Participant's resource/unit. This would be null (blank) when the variable type is for a non-resource. | | Char 100 | √ | UNIT1 |
| 9 | Trading Sites | The unique identifier for the relevant trading site. This would be null (blank) when the variable type is for a non-resource. | | Char 100 | √ | Power Station |
| 10 | Contract (Interconnector Unit Gate) | The unique identifier for the contract or trade. This would be null (blank) when the settlement line is for a non-contract. This field will be populated when settlement lines are for an Interconnector Unit Gate. The field will contain the Interconnector Unit and Gate. | | Char 100 | √ | I_NIMOYLE_EA |
| 11 | Unit | Unit for the variable type. E.g. MWh. | { 'MWh' , 'MW' } | Char 18 | | MWh |
| 12 | Value1 | Variable value for the first interval for the hour in field 3. Minus sign is used if needed. All values shown with decimals as imported into the system. | Positive and negative numbers | Number (28.8) | | 65.00 |
| 13 | Value2 | Variable value for the second interval for the hour in field 3. If no value exists for the given variable then this field will not appear in the report | Positive and negative numbers | Number (28.8) | | 65.00 |

5.2.2.3.4 TRAILER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|---|--------|--------|-------|---------|
| 1 | Record Type | Indicates the type of record. | {T} | Char 1 | | T |
| 2 | Record Count | Number of records contained in the file including the header and trailer records. | | Number | | 20 |

5.2.2.4 SAMPLE CSV

The following screenshot illustrates a sample Energy PIR (rows 20 to 144 are hidden).

```

1 H,1,AIP,2012-10-07 15:19,1638612,PT_123456,F,2012-10-03
2 S,EN,INTP4,89524,2,F,2012-10-07 14:45
3 S,EN,INTP1,89521,2,F,2012-10-07 14:40
4 S,EN,ENG,89525,2,F,2012-10-07 14:46
5 S,EN,INTP3,89523,2,F,2012-10-07 14:45
6 S,EN,ENGEXG,89528,2,F,2012-10-07 15:18
7 S,EN,INTP2,89522,2,F,2012-10-07 14:43
8 D,2012-10-03,1,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
9 D,2012-10-03,2,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
10 D,2012-10-03,3,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
11 D,2012-10-03,4,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
12 D,2012-10-03,5,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
13 D,2012-10-03,6,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
14 D,2012-10-03,7,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
15 D,2012-10-03,8,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
16 D,2012-10-03,9,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
17 D,2012-10-03,10,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
18 D,2012-10-03,11,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
19 D,2012-10-03,12,30,,DQIUG,DQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
145 D,2012-10-03,18,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,55.48,55.13
146 D,2012-10-03,19,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,55.54,55.4
147 D,2012-10-03,20,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,55.01,54.6
148 D,2012-10-03,21,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,54.6,46
149 D,2012-10-03,22,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,54.67,54.6
150 D,2012-10-03,23,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,44.09,44.21
151 D,2012-10-03,24,30,,SMP,SMP_AIPSEM,,,,EUR/MWh,46.74,46.74
152 D,2012-10-03,1,33,,SWPMGLF,SWPMGLF_PT_123456,,,,MWh,3152.979073,
153 D,2012-10-03,1,33,,PEXPEGQ,PEXPEGQ_PT_123456,,,,MWh,500544020.1,
154 T,154

```

The following screenshot illustrates a sample Capacity PIR (rows 12-84 and 110-290 are hidden).


```

1 H,1,AIP,2012-11-08 16:45,1681849,PT_123456,F,2012-10-03
2 S,CA,INTC4,91280,2,F,2012-11-08 11:18
3 S,CA,INTC3,91249,2,F,2012-11-08 11:03
4 S,CA,CAPEXG,91344,2,F,2012-11-08 12:00
5 S,CA,CAP,91312,2,F,2012-11-08 11:44
6 S,CA,INTC1,91187,2,F,2012-11-08 10:24
7 S,CA,INTC2,91218,2,F,2012-11-08 10:45
8 D,2012-10-03,1,30,,ALLP,ALLP_AIPSEM,,,,MW,0.00049,0.00039
9 D,2012-10-03,2,30,,ALLP,ALLP_AIPSEM,,,,MW,0.00023,0.00015
10 D,2012-10-03,3,30,,ALLP,ALLP_AIPSEM,,,,MW,0.0001,0.00007
11 D,2012-10-03,4,30,,ALLP,ALLP_AIPSEM,,,,MW,0.00005,0.00004
85 D,2012-10-03,6,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
86 D,2012-10-03,7,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
87 D,2012-10-03,8,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
88 D,2012-10-03,9,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
89 D,2012-10-03,10,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
90 D,2012-10-03,11,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
91 D,2012-10-03,12,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
92 D,2012-10-03,13,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
93 D,2012-10-03,14,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
94 D,2012-10-03,15,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
95 D,2012-10-03,16,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
96 D,2012-10-03,17,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
97 D,2012-10-03,18,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
98 D,2012-10-03,19,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
99 D,2012-10-03,21,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
100 D,2012-10-03,22,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
101 D,2012-10-03,23,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
102 D,2012-10-03,24,30,,MSQIUG,MSQIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
103 D,2012-10-03,1,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
104 D,2012-10-03,2,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
105 D,2012-10-03,3,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
106 D,2012-10-03,4,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
107 D,2012-10-03,5,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
108 D,2012-10-03,6,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
109 D,2012-10-03,7,30,,EAIUG,EAIUG_PT_123456_I_NIMOYLE_EA,,,I_NIMOYLE_EA,MW,19.744,19.744
291 D,2012-10-03,21,30,,VCPWF,VCPWF_AIPSEM,,,, / ,0.00021834,0.00017371
292 D,2012-10-03,22,30,,VCPWF,VCPWF_AIPSEM,,,, / ,0.00025562,0.0002215
293 D,2012-10-03,23,30,,VCPWF,VCPWF_AIPSEM,,,, / ,0.00012358,0.00007058
294 D,2012-10-03,24,30,,VCPWF,VCPWF_AIPSEM,,,, / ,0.00006014,0.00003303
295 T,296

```

5.2.3 CREDIT COVER REPORT

5.2.3.1 FILE TYPE

CSV file, available through the Type 3 communication channel.

Example XML request:

```

<?xml version="1.0" encoding="UTF-8"?>
<file name="CCR_PT_400030_2008-11-28.csv" date="2008-11-28">
</file>

```

5.2.3.2 FILE NAMING CONVENTION

The filename convention for the credit risk report is as follows:

<Report Name>_<Participant name>_<Date>_<Report Id>.csv

where:

- <Report Name> is the abbreviated report name, i.e. CCR;
- <Participant name> is the applicable Account name;
- <Date> is of the form YYYY-MM-DD (with leading zeros for month and day) and is the date that the report is generated for; and
- <Report Id> is the unique Id for the credit risk report run (Transaction ID field in section 5.2.3.3.1)

Examples:

CCR_PT_11111_2008-01-01_123456.csv

CCR_PT_11111_2008-01-01_123457.csv

Note: The Credit Cover Report can be retrieved via Type 3 communications using the File Name and Directory Listing download processes.

5.2.3.3 FILE LAYOUT

The report format consists of consecutive records separated by a new line. Fields within a record are separated by a comma (.). There is no comma at the end of a record. The following records are included in the report:

- 1 Header Record (H);
- 1 Summary record (S);
- 1 or 2 D0 record(s) ordered by
Participant Type: G(enerator), S(upplier);
- 1 or more D1 record(s) ordered by
Type: G(enerator), S(upplier)
Status: S(tandard), A(djusted), N(ew)
Market: EN(ergy), CA(pacity); and
- 2 D2 record(s) ordered by
Market: EN(ergy), CA(pacity).

5.2.3.3.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------------|---|--------|---------|-------|---------|
| 1 | Record Type | Indicates the type of record. | {'H'} | Char 1 | | H |
| 2 | Version | The version number that defines the file layout. This version is 004. | | Char 3 | | 004 |
| 3 | Entity | This is a reference to the Market Operator. | SEMO | Char 20 | | SEMO |

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------------------------|---|------------------------|-----------|-------|------------------------|
| 4 | Timestamp | Date and time the file was created. | YYYY-MM-DD HH:MM:SS | Date time | | 2008-05-02 10:05:54 |
| 5 | Code Participant ID | Represents the unique grouping of Generator and/or Supplier Units to the entity defined as a "Participant" in the Code. | | Char 100 | | CP_400020 |
| 6 | Day | The date the credit risk calculations and the credit risk report were processed. | YYYY-MM-DD | Date | | 2008-05-02 |
| 7 | Transaction ID | Unique Transaction ID for the credit risk run | | Number(8) | | 123456 |
| 8 | CRM run initiation time | Start time for the credit risk report run | YYYY-MM-DD HH:MM:SS | Date time | | 2008-05-02 09:15:24 |

5.2.3.3.2 SUMMARY RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-----------------------|---|-------------------------------|------------------|-------|-----------|
| 1 | Record Type | Indicates the type of record | { 'S' } | Char 1 | | S |
| 2 | Code Participant ID | Represents the unique grouping of Generator and/or Supplier Units to the entity defined as a "Participant" in the Code. | | Char 100 | | CP_400020 |
| 3 | CCIN Breach Flag | Flags if warning limit (WARNING) or posted credit cover is exceeded | { 'NONE', 'WARNING', 'CCIN' } | Char 7 | | WARNING |
| 4 | Breach Amount | Value of Credit Cover Increase Notice requiring remedy | | Number (22,2) | | 46523.01 |
| 5 | Currency | Denotes the currency that the values are included in. | | Char 3 | | EUR, GBP |
| 6 | Posted Credit Cover | The total value of collateral posted for the Code Participant. | | Number (22,2) | | 76543.21 |
| 7 | Required Credit Cover | The result of the Credit Risk Assessment for the Code Participant. | | Number (22,2) | | 12345.67 |

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------|------------------------|--------|------------------|-------|----------|
| 8 | ACC | Available Credit cover | | Number (22,2) | | 46523.01 |

5.2.3.3.3 DETAIL – GENERATOR UNIT AND SUPPLIER UNIT

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-----------------------|---|--------|------------------|-------|-----------|
| 1 | Record Type | Indicates the type of record | {'D0'} | Char 2 | | D0 |
| 2 | Code Participant ID | Represents the unique grouping of Generator and/or Supplier Units to the entity defined as a "Participant" in the Code. | | Char 100 | | CP_400020 |
| 3 | Type | Abbreviation that uniquely identifies the type of units, i.e. Generator Units or Supplier Units | | Char 3 | | GEN, SUP |
| 4 | Currency | Denotes the currency that the values are included in. | | Char 3 | | EUR, GBP |
| 5 | Required Credit Cover | The result of the Credit Risk Assessment for the Code Participant for the specified "Type". | | Number (22,2) | | 12345.67 |
| 6 | Invoices Not Paid | The value of all Invoices issued for the Participant Accounts for the named Type that are unpaid (including VAT). | | Number (22,2) | | 76543.21 |

| # | Field | Definition | Domain | Format | Null? | Example |
|----|------------------------------|--|--------|------------------|-------|-----------|
| 7 | Settlement Not Invoiced | The sum of all Settlement Statements issued for the Participant Accounts for the named Type that have not yet been included in an Invoice (including VAT). | | Number (22,2) | | 76543.21 |
| 8 | Undefined Exposure | The sum of all calculated exposures – excluding Interconnector Units - for the Participant Accounts for the named Type in respect of the Undefined Exposure Period(s) (including VAT). | | Number (22,2) | | 76543.21 |
| 9 | Interconnector traded amount | Sum of interconnector trades post initial settlement. (0 for Supplier) | | Number (22,2) | | 425990.44 |
| 10 | Reallocations | The sum of all pending Settlement Reallocation Agreements lodged for the Market Participants for the named Type. | | Number (22,2) | | 76543.21 |
| 11 | Fixed Credit Cover | The sum of all Fixed Credit Requirements in respect of the Code Participant for the named "Type" | | Number (22,2) | | 76543.21 |
| 12 | Adjustment Amount | The sum of all Adjustment Amounts in respect of the Code Participant for the named "Type". | | Number (22,2) | | 76543.21 |

5.2.3.3.4 DETAIL – MARKET PARTICIPANT

| # | Field | Definition | Domain | Format | Null? | Example |
|---|----------------|--|--------|----------|-------|---------------|
| 1 | Record Type | Indicates the type of record | {'D1'} | Char 2 | | D1 |
| 2 | Participant ID | The Market Participant ID: Represents a unique grouping of Generator Units or a unique grouping of Supplier Units. A Code Participant may have multiple Market Participant accounts registered in the CMS. | | Char 100 | | PT_400022 |
| 3 | Type | Abbreviation that uniquely identifies the type of account i.e. Generator Units or Supplier Units | | Char 3 | | GEN, SUP |
| 4 | Status | Denotes whether the Participant is classed as New, Adjusted or Standard for calculation of Undefined Exposure | | Char1 | | N, A, S |
| 5 | Currency | Denotes the currency that the values are included in. | | Char 3 | | EUR, GBP |
| 6 | Market | Market abbreviation that uniquely identifies the market. (NB – Calculations under EN also include Credit Cover Requirements in respect of the Variable Market Operator Charges) | | Char 2 | | EN, CA |

| # | Field | Definition | Domain | Format | Null? | Example |
|----|------------------------------|---|--------|------------------|-------|-----------|
| 7 | Invoices Not Paid | The value of all Invoices issued for the Participant Accounts for the named Market that are unpaid (including VAT) | | Number (22,2) | | 76543.21 |
| 8 | Settlement Not Invoiced | The sum of all Settlement Statements issued for the Market Participant for the named Market that have not yet been included in an Invoice (including VAT) | | Number (22,2) | | 76543.21 |
| 9 | Undefined Exposure | The sum of all calculated exposures for the Market Participant for the named Market in respect of the Undefined Exposure Period(s) (including VAT) | | Number (22,2) | | 76543.21 |
| 10 | Interconnector traded amount | Sum of interconnector trades post initial settlement. (0 for Supplier) | | Number (22,2) | | 425990.44 |
| 11 | Reallocations | The sum of all pending Settlement Reallocation Agreements lodged for the Market Participant. | | Number (22,2) | | 76543.21 |

5.2.3.3.5 DETAIL – MARKET

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--|---|--------|---------------|-------|-----------|
| 1 | Record Type | Indicates the type of record | {'D2'} | Char 2 | | D2 |
| 2 | Market | Market abbreviation that uniquely identifies the market. (NB – Calculations under EN also include Credit Cover Requirements in respect of the Variable Market Operator Charges) | | Char 2 | | EN, CA |
| 3 | Undefined Exposure Period – Generators | Denotes the number of days in the Undefined Exposure Period for Generators in this Market used in the calculation of RCC. | | Number (8) | | 15 |
| 4 | Undefined Exposure Period – Suppliers | Denotes the number of days in the Undefined Exposure Period for Suppliers for this Market used in the calculation of RCC. | | Number (8) | | 16 |
| 5 | Forecast price | ECP used for Capacity market and CAPB for energy market in the currency of the participant's jurisdiction | | Number (22,2) | | 34.23 |
| 6 | Credit Assessment Price | The Credit Assessment Price that is in the calculation of RCC. Price is given in the currency of the participant's jurisdiction | | Number (23,3) | | 92.636 |
| 7 | ECPI | Price is given in the currency of the participant's jurisdiction | | Number (22,2) | | 42.73 |

5.2.3.4 SAMPLE CSV

```
H,003,SEMO,2008-09-16 12:35:11,CPT_222222,2008-09-16,123456,2008-09-16 09:15:24
S,CPT_222222,WARNING,46523.01,EUR,0.00,52450.00,10000.00
D0,CPT_222222,GEN,EUR,-390460.50,-629773.35,-8422522.18,-430734.97,45332.23,1308000.00,0.00,0.00
D0,CPT_222222,SUP,EUR,0.00,0.00,0.00,0.00,0.00,0.00,0.00,0.00
D1,PT_111111,GEN,S,EUR,CA,-86627.85,0.00,-5992972.71,45332.23,0.00
D1,PT_111112,GEN,S,EUR,EN,-543145.50,-8422522.18,-37080772.26,0.00,13080000.00
D1,PT_111113,SUP,N,EUR,EN,0.00,0.00,0.00,0.00,0.00
D2,CA,35,34,92.231, 0.000
D2,EN,35,34,32.122, 87.394,42.73
```

5.2.4 REALLOCATION AGREEMENT REPORT

5.2.4.1 FILE TYPE

CSV file, available through the Type 3 communication channel.

Example XML request:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="CA_RAR_PT_400030_F_2008-01-31.csv" date="2008-01-31">
</file>
```

5.2.4.2 FILE NAMING CONVENTION

The file is named as: “Market”_RAR_”Participant”_”Type”_”Date”.csv

Where:

- “Market” – Market abbreviation:
 - EN – energy market;
 - CA – capacity market;
- “Type” – Run type:
 - P – indicative;
 - F – initial.
- “Date” – date in “YYYY-MM-DD”

E.g. EN_RAR_MKTPAR_P_2006-10-20.csv.

5.2.4.3 FILE LAYOUT

The layout of the file is as follows:

- Header Record;
- Detail Record; and
- Trailer Record.

5.2.4.3.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|---------------------------|--|------------------------|-----------|-------|------------------------|
| 1 | Record Type | Indicates the type of record. | {‘H’} | Char 1 | | H |
| 2 | Version | The version number that defines the file layout. This version is 001. | | Char 3 | | 001 |
| 3 | Entity | This refers to Market Operator. | | Char 20 | | SEMO |
| 4 | Timestamp | Date and time the file was created. The 24 hour clock is used. | YYYY-MM-DD HH:MM:SS | Date time | | 2006-10-15 20:55:45 |
| 5 | Participant | The Participant unique identifier (short name). | | Char 100 | | MKTPAR |
| 6 | Type | Status type for the data. It indicates whether the report is based on preliminary (P) or final (F) jobs. | {‘P’, ‘F’} | Char 1 | | P |
| 7 | Billing period start date | The first date of the billing period for which the report is created. | YYYY-MM-DD | Date | | 2006-09-24 |
| 8 | Billing period end date | The last date of the billing period for which the report is created. | YYYY-MM-DD | Date | | 2006-09-30 |

5.2.4.3.2 DETAIL RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------------------------|--|------------------------|-------------------|-------|-------------------------------|
| 1 | Record Type | Indicates the type of record. | ‘D’ | Char 1 | | D |
| 2 | Reallocation name | The name for the reallocation agreement, entered by the submitting Participant. | | Char 32 | | My Reallocation agreement |
| 3 | Trading interval | The start time of the trading interval against which the reallocation agreement is launched. | YYYY-MM-DD HH:MM:SS | Date Time | | 2006-09-28 21:30:00 |
| 4 | DST Flag | This is 1 if the Trading interval is during the extra hour for the day of DST ending. | (0,1) | Number (1) | | 0 |
| 5 | Counterpart Participant | The unique identifier (short name) of that Participant which is the counterpart to the Settlement Reallocation Agreement. | Char 100 | | | PGEN |
| 6 | Unit | Currency for the amount. | EUR, GBP | Char 3 | | EUR |
| 7 | Amount | The reallocation agreement amount. This is a positive value for the debited participant and a negative value for the credited participant. | | Number (28, 8) | | -32344.00000000 |
| 7 | Validity | Y for valid reallocation agreements, N for invalid agreements. | (‘N’, ‘Y’) | Char 1 | | Y |
| 8 | Reason | For invalid reallocation agreements this gives the reason for rejecting the agreement. | | Char 500 | √ | Total invoice amount exceeded |

5.2.4.3.3 TRAILER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|---|--------|--------|-------|---------|
| 1 | Record Type | Indicates the type of record. | {‘T’} | Char 1 | | T |
| 2 | Record Count | Number of records contained in the file including the header and trailer records. | | Number | | 32 |

5.2.4.4 SAMPLE CSV

```
H,001,AIP,2006-10-15 20:55:45,MKTPAR,P,2006-09-24,2006-09-30
D, PGEN_ MKTPAR_EN2,2006-09-28 21:30:00,0, PGEN, EUR, -32344.00000000,Y, Total invoice amount exceeded
T,1
```

5.2.5 CANCELLED REALLOCATION AGREEMENT REPORT

This report is created for all accounts under a Code Participant, for which there are cancelled reallocation agreements and those accounts for which there are no cancelled reallocation agreements that apply to the specific account. The report will include all cancelled reallocation agreements for all accounts under the Code Participant, whether the account is on the credit or debit participant side for the cancelled reallocation agreement.

No report is created for accounts under Code Participants for which there are no cancelled reallocation agreements.

5.2.5.1 FILE TYPE

CSV file, available through the Type 3 communication channel.

Example XML request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<file name="CRR_PT_11111_2008-01-01_123456.csv" date="2008-01-31" />
```

5.2.5.2 FILE NAMING CONVENTION

The filename convention for the cancelled reallocation agreement report is as follows:

<Report Name>_<Participant name>_<Date>_<Report Id>.csv

where:

<Report Name> is the abbreviated report name CRR;

<Participant name> is the applicable Account name;

<Date> is of the form YYYY-MM-DD (with leading zeros for month and day) and is the date for which the report is generated; and.

<Report Id> is the unique Id for the Cancelled SRA report run (Transaction ID).

Examples:

CRR_PT_11111_2008-01-01_123456.csv

CRR_PT_11111_2008-01-01_123457.csv

5.2.5.3 FILE LAYOUT AND FORMAT

The format consists of consecutive records separated by a new line. Fields within a record are separated by a comma (.). There is no comma at the end of a record.

The following records are included in the report:

- One Header Record;
- One or more Detail Records; and
- One Trailer Record.

5.2.5.3.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|---------------------|---|------------------------|-----------|-------|------------------------|
| 1 | Record Type | Indicates the type of record | {'H'} | Char 1 | | H |
| 2 | Version | The version number that defines the file layout. This version is 001. | | Char 3 | | 001 |
| 3 | Entity | This is a reference to the Market Operator. | SEMO | Char 20 | | SEMO |
| 4 | Timestamp | Date and time the file was created. | YYYY-MM-DD HH:MM:SS | Date time | | 2008-05-02 10:05:54 |
| 5 | Code Participant ID | Code Participant ID as imported from MI/STL | | Char 100 | | CPT_400020 |
| 6 | Transaction ID | Unique Transaction ID for the credit risk run under which the reallocation agreement were cancelled | | Number(8) | | 123456 |

5.2.5.3.2 DETAIL RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|---|-------|------------|--------|--------|-------|---------|
|---|-------|------------|--------|--------|-------|---------|

| # | Field | Definition | Domain | Format | Null? | Example |
|----|-----------------------------|--|------------|---------------|-------|------------|
| 1 | Record Type | Indicates the type of record | {D} | Char 1 | | D |
| 2 | Participant Name | Account name of debit Participant | | Char 32 | | PT_500027 |
| 3 | Credited Participant Name | Account name of credit Participant | | Char 32 | | PT_500036 |
| 4 | Reallocation type | Energy or Capacity | {E,C} | Char 1 | | E |
| 5 | Delivery date | Delivery date of Reallocation | YYYY-DD-MM | Date | | 2010-12-15 |
| 6 | Delivery hour | Delivery hour of Reallocation | 1-25 | Number(2) | | 16 |
| 7 | Delivery interval | Delivery interval of Reallocation | {1,2} | Number(1) | | 1 |
| 8 | Monetary value | Monetary value of Reallocation agreement | | Number (22,2) | | 76543.21 |
| 9 | Reallocation agreement name | Name of Reallocation agreement | | Char 128 | | SRA – EN |
| 10 | Cancel Flag | Cancel flag | {Y} | Char 1 | | Y |

5.2.5.3.3 TRAILER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|--|--------|-----------|-------|---------|
| 1 | Record Type | Indicates the type of record | {T} | Char 1 | | T |
| 2 | Record count | Number of records in file (including Header and Trailer records) | | Number(3) | | 4 |

5.2.5.4 SAMPLE CSV

```
H,001,SEMO,2011-09-16 12:35:11,CPT_400020,123456
D,PT_500027,PT_500036,E,2011-09-19,4,1,130800.00,SRA-EN ZZZ,Y
D,PT_500027,PT_500037,E,2011-09-21,15,2,230000.00,SRA-EN YYY,Y
T,4
```

5.2.6 INVOICE

5.2.6.1 FILE TYPE

Invoices are of file type XML.

Example XML request:

```
<?xml version="1.0" encoding="UTF-8"?>
<invoice number="1079" date="2007-13-03">
</invoice>
```

5.2.6.2 FILE NAMING CONVENTION

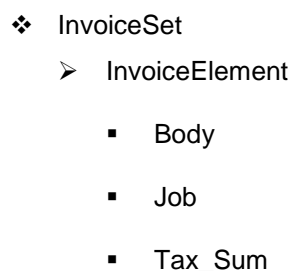
The file naming convention is as follows: INV_ "Invoice Number" _ "Participant" _ "Invoice Date".xml.

Where: Invoice date is in the format YYYY-MM-DD. (e.g. INV_1_MKTPAR_2006-09-26.xml)

5.2.6.3 FILE LAYOUT (PRE-SEM R2.2.0)

This section describes the file layout of all invoices produced before the deployment of SEM R2.2.0. This includes invoices generated for settlement dates prior to the deployment (i.e. when re-settlement occurs).

Invoices issued before the release date of SEM R2.2.0 have a structure according to the following element hierarchy:



Notes:

- There is only one InvoiceSet in an invoice XML file. Although the schema allows for it, there is normally not more than one InvoiceElement for the InvoiceSet.
- There are generally multiple Body records for an InvoiceElement. The body records each represent an invoice line item.
- There are generally multiple Job records for an InvoiceElement. The Job records each identify a Settlement job that was used to generate the invoice.
- There are generally multiple Tax_Sum records for an InvoiceElement. The Tax_Sum record represents the total VAT Amount relating to a particular VAT Rate.
- Before requesting a specific invoice, a Directory Listing must first be requested. From this one can either:
 - Request the Invoice file directly by doing a FILE request.

- Determine the Invoice Number from the details in the Directory Listing, and do an Invoice (INVC) request.

5.2.6.3.1 INVOICE ELEMENT FIELDS (PRE -SEM R2.2.0)

| Field | Definition | Format | Example |
|---------------------|---|--------------|---------------------------------|
| Invoice_number | Invoice number | String (10) | 1433 |
| Sender_addr1 | Line 1 of sender's address | String (256) | |
| Sender_addr2 | Line 2 of sender's address | String (102) | |
| Sender_tel | Sender's telephone number | String (20) | |
| Sender_fax | Sender's fax number | String (20) | |
| Sender_taxid | Sender's VAT Registration details | String | |
| Receiver_name | Recipient's name | String (100) | MKTPAR |
| Receiver_addr1 | Line 1 of Recipient's billing address | String (256) | 321 East St. |
| Receiver_addr2 | Line 2 of Recipient's billing address | String (102) | Offaly |
| Receiver_gl_number | Receiver's VAT Registration details | String (20) | 111111 |
| Invoice_type | 1 = regular invoice 2 = Credit note | String(1) | 1 |
| Due_date | Due date | YYYY-MM-DD | 2006-06-22 |
| Inv_heading | Invoice header (always named "final invoice", even for revised invoice) | String (200) | Final invoice for Week 24 2006 |
| Inv_comment | Invoice comment | String (160) | Energy Invoice for week 24 2006 |
| Signature1 | Invoice signature | String (120) | John Doe |
| Unit | Currency unit | String (18) | EUR |
| Invoice_date | Invoice date | YYYY-MM-DD | 2006-06-19 |
| Invoice_calendar_id | N/A | String (8) | 2 |
| Invoice_amount | Invoice amount | Double | 37581.12 |
| Market_name | Name of Market for which the invoice is issued (Ref: section 5.2.7) | String (120) | Energy |
| Bill_period_name | Name of billing period | String (255) | Week 24 2006 |
| Receiver_id | Participant code | String (120) | MKTPAR |
| First_amount | Invoice amount of initial invoice of billing period | Double | 37581.12 |
| Version | Invoice Version | string | 3.0 |

5.2.6.3.2 BODY RECORDS (PRE -SEM R2.2.0)

| Field | Definition | Format | Example |
|--------------------|---|--------------|---------------------------------|
| Invoice_number | Invoice number | String (10) | 1433 |
| Bill_heading | Billing period header | String (119) | Charges for period Week 24 2006 |
| Charge_description | Invoice line description | String (120) | Energy Market Settlement Amount |
| Charge_id | Refer to section 5.2.7.2 for listing of possible values. | String (24) | ENCEX |
| Quantity | Quantity (where applicable) | Double | 34.224 |
| Qty_unit | Quantity unit (where applicable) | String (18) | MWh |
| Amount | Invoice line amount (ex VAT) | Double | 33212.23 |
| Amount_unit | Currency unit | String (18) | EUR |
| Bill_order | N/A | String (32) | |
| Charge_type | 2 - Invoice line amount 3 - VAT amount 4 - Interest amount | Integer (1) | 2 |
| Tax_amount | N/A | Double | |
| Tax_vartype_code | N/A | String (24) | |
| Tax_vartype_name | Name of the VAT code | String (120) | VAT Rate of ENCEX Product |
| Tax_percent_text | The actual VAT Percentage applied | String | 13.5% |
| Prev_amount | Amount on previous invoice (only applicable for revised invoices) | Double | 32322.53 |
| Prev_tax_amount | N/A | Double | 12345.23 |

5.2.6.3.3 JOB RECORDS (PRE -SEM R2.2.0)

| Field | Definition | Format | Example |
|-----------------------|---|--------------|-------------------|
| Job_id | N/A | String (8) | |
| Job_name | Settlement segment name | String (100) | Energy Settlement |
| Settlement_day | Settlement day | YYYY-MM-DD | 2006-06-08 |
| Job_number | Job number | Integer (16) | 193 |
| Job_version | Job version | String (8) | 1 |
| Job_state | N/A | String (6) | SAD |
| Job_status | Job completion code | String (6) | F |
| True_up_based_on | N/A Optional field for the revised invoice | String (8) | 100 |
| Statement_id | Settlement statement number | Integer (8) | 1494 |
| Global_participant_no | The Account PT Identifier | String (100) | MKTPAR |

5.2.6.3.4 TAX_SUM RECORDS (PRE -SEM R2.2.0)

| Field | Definition | Format | Example |
|------------------|------------------------------|--------|-----------|
| Tax_rate_text | VAT Rate Percentage | String | 12.5% |
| Net_amount | Net Tax Amount by VAT rate | Double | 1234.56 |
| Tax_total_amount | Total VAT amount by VAT rate | Double | 123.45 |
| Gross_amount | Gross Amount by VAT rate | Double | 123456.78 |

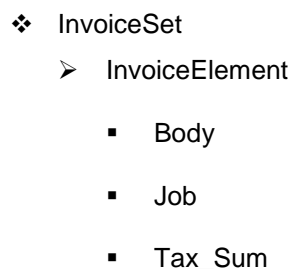
Note for the Revised Invoice: For each Settlement run and each segment there will be set of Job Records, which uniquely identify that Settlement run.

Where a Settlement Day is included on the Revised Invoice, and that Settlement Day has not been reprocessed, the Job Records will be the same for new job processing and the previous job processing except for the “True_up_based_on” field.

5.2.6.4 FILE LAYOUT (POST-SEM R2.2.0)

This section describes the file layout of all invoices produced after the deployment of SEM R2.2.0. This includes invoices generated for settlement dates prior to the deployment (i.e. when re-settlement occurs).

Invoices issued after the release date of SEM R2.2.0 have a structure according to the following element hierarchy:



Notes:

- There is only one InvoiceSet in an invoice XML file. Although the schema allows for it, there is normally not more than one InvoiceElement for the InvoiceSet.
- There are generally multiple Body records for an InvoiceElement. The body records each represent an invoice line item.
- There are generally multiple Job records for an InvoiceElement. The Job records each identify a Settlement job that was used to generate the invoice.
- There are generally multiple Tax_Sum records for an InvoiceElement. The Tax_Sum record represents the total VAT Amount relating to a particular VAT Rate.
- Before requesting a specific invoice, a Directory Listing must first be requested. From this one can either:
 - Request the Invoice file directly by doing a FILE request.
 - Determine the Invoice Number from the details in the Directory Listing, and do an Invoice (INVC) request.

5.2.6.4.1 INVOICE ELEMENT FIELDS (POST -SEM R2.2.0)

Note Ref R2.2.0: Please note those items in **bold** are new items relating to R2.2.0

| Field | Definition | Format | Example |
|----------------|----------------|-------------|---------|
| Invoice_number | Invoice number | String (10) | 1433 |

| Field | Definition | Format | Example |
|---------------------|---|--------------|---------------------------------|
| Sender_addr1 | Line 1 of sender's address | String (256) | |
| Sender_addr2 | Line 2 of sender's address | String (102) | |
| Sender_tel | Sender's telephone number | String (20) | |
| Sender_fax | Sender's fax number | String (20) | |
| Sender_taxid | Sender's VAT Registration details | String | |
| Receiver_name | Recipient's name | String (100) | MKTPAR |
| Receiver_addr1 | Line 1 of Recipient's billing address | String (256) | 321 East St. |
| Receiver_addr2 | Line 2 of Recipient's billing address | String (102) | Offaly |
| Receiver_gl_number | Receiver's VAT Registration details | String (20) | 111111 |
| Invoice_type | 1 = regular invoice 2 = Credit note | String(1) | 1 |
| Due_date | Due date | YYYY-MM-DD | 2006-06-22 |
| Inv_heading | Invoice header (always named "final invoice", even for revised invoice) | String (200) | Final invoice for Week 24 2006 |
| Inv_comment | Invoice comment | String (160) | Energy Invoice for week 24 2006 |
| Signature1 | Invoice signature | String (120) | John Doe |
| Unit | Currency unit | String (18) | EUR |
| Invoice_date | Invoice date | YYYY-MM-DD | 2006-06-19 |
| Invoice_calendar_id | N/A | String (8) | 2 |
| Invoice_amount | Invoice amount | Double | 37581.12 |
| Market_name | Name of Market for which the invoice is issued (Ref: section 5.2.7) | String (120) | Energy |
| Bill_period_name | Name of billing period | String (255) | Week 24 2006 |
| Receiver_id | Participant code | String (120) | MKTPAR |
| First_amount | Invoice amount of initial invoice of billing period | Double | 37581.12 |
| Exchange_rate | Exchange rate value to convert from external currency to the participants native currency | Double | 0.8042 |
| Vat_jurisdiction | VAT jurisdiction for the participant. Valid values are: <ul style="list-style-type: none"> ROI UK EU NON-EU | String(30) | EU |
| Version | Invoice Version | string | 3.0 |

5.2.6.4.2 BODY RECORDS (POST -SEM R2.2.0)

| Field | Definition | Format | Example |
|--------------------|--|------------------|------------------------------------|
| Invoice_number | Invoice number | String (10) | 1433 |
| Bill_heading | Billing period header | String (119) | Charges for period Week 24 2006 |
| Charge_description | Invoice line description | String (120) | Energy Market Settlement Amount |
| Charge_id | Refer to section 5.2.7.2 for listing of possible values. | String (24) | ENCEX |
| Quantity | Quantity (where applicable) | Double | 34.224 |
| Qty_unit | Quantity unit (where applicable) | String (18) | MWh |
| Amount | Invoice line amount (ex VAT) | Double | 33212.23 |
| Amount_unit | Currency unit | String (18) | EUR |
| Bill_order | N/A | String (32) | |
| Charge_type | 2 - Invoice line amount 3 - VAT amount 4 - Interest amount | Integer (1) | 2 |
| Tax_amount | N/A | Double | |
| Tax_vartype_code | N/A | String (24) | |
| Tax_vartype_name | Name of the VAT code | String (120) | VAT Rate of ENCEX Product |
| Tax_pay_or_charge | Tax category <ul style="list-style-type: none"> • I – Intra-jurisdiction VAT rate • E – EU VAT rate (0%) • N – Non-EU VAT rate (0%) • Z – Inter-jurisdiction VAT rate | String(1) | E |
| Prev_amount | Amount on previous invoice (only applicable for revised invoices) | Double | 32322.53 |
| Prev_tax_amount | N/A | Double | 12345.23 |
| Tax_percent_text | The actual VAT Percentage applied | String | 13.5% |

5.2.6.4.3 JOB RECORDS (POST -SEM R2.2.0)

| Field | Definition | Format | Example |
|-----------------------|---|--------------|-------------------|
| Job_id | N/A | String (8) | |
| Job_name | Settlement segment name | String (100) | Energy Settlement |
| Settlement_day | Settlement day | YYYY-MM-DD | 2006-06-08 |
| Job_number | Job number | Integer (16) | 193 |
| Job_version | Job version | String (8) | 1 |
| Job_state | N/A | String (6) | SAD |
| Job_status | Job completion code | String (6) | F |
| True_up_based_on | N/A Optional field for the revised invoice | String (8) | 100 |
| Statement_id | Settlement statement number | Integer (8) | 1494 |
| Global_participant_no | The Account PT Identifier | String (100) | MKTPAR |

5.2.6.4.4 TAX_SUM RECORDS (POST -SEM R2.2.0)

| Field | Definition | Format | Example |
|-------------------|---|-----------|-----------|
| Tax_rate_text | VAT Rate Percentage | String | 12.5% |
| Tax_pay_or_charge | Tax category I – Intra-jurisdiction VAT rate E – EU VAT rate (0%) N – Non-EU VAT rate (0%) Z – Inter-jurisdiction VAT rate | String(1) | E |
| Net_amount | Net Tax Amount by VAT rate | Double | 1234.56 |
| Tax_total_amount | Total VAT amount by VAT rate | Double | 123.45 |
| Gross_amount | Gross Amount by VAT rate | Double | 123456.78 |

Note for the Revised Invoice: For each Settlement run and each segment there will be set of Job Records, which uniquely identify that Settlement run.

Where a Settlement Day is included on the Revised Invoice, and that Settlement Day has not been reprocessed, the Job Records will be the same for new job processing and the previous job processing except for the “True_up_based_on” field.

5.2.6.4.5 SAMPLE INVOICE XML (POST -SEM R2.2.0)

```

<?xml version="1.0" encoding="utf-8" ?>
- <InvoiceSet xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://tempuri.org/InvoiceSet.xsd">
- <InvoiceElement>
  <Invoice_number>1000095428</Invoice_number>
  <Sender_addr1>Eirgrid Plc & SONI Ltd t/a SEMO</Sender_addr1>
  <Sender_addr2>Castlereagh House, 12 Manse Road, Belfast, BT69RT</Sender_addr2>
  <Sender_taxid>906423049</Sender_taxid>
  <Receiver_name>PT_60001-NI-ROI</Receiver_name>
  <Receiver_addr1>Badr</Receiver_addr1>
  <Receiver_addr2>Badr2</Receiver_addr2>
  <Receiver_gl_number></Receiver_gl_number>
  <Invoice_type>1</Invoice_type>
  <Due_date>2013-01-14</Due_date>
  <Inv_heading>InvoiceFinal invoice for Week 36 2012</Inv_heading>
  <Signature1>pomaxtest</Signature1>
  <Unit>GBP</Unit>
  <Invoice_date>2013-01-09</Invoice_date>
  <Invoice_calendar_id>1241</Invoice_calendar_id>
  <Invoice_amount>-176376.58</Invoice_amount>
  <Market_name>Energy Market</Market_name>
  <Bill_period_name>Week 36 2012</Bill_period_name>
  <Receiver_id>PT_60001</Receiver_id>
  <First_amount>0</First_amount>
  <Exchange_rate>1.2460</Exchange_rate>
  <Vat_jurisdiction>ROI</Vat_jurisdiction>
  <Version>3.0</Version>
- <Body>
  <Invoice_number>1000095428</Invoice_number>
  <Bill_heading>Charges for period Week 36 2012</Bill_heading>
  <Charge_description>CONPIUGEX for Inter-Zonal Trades for Interconnector Unit Gate</Charge_description>
  <Charge_id>CONPIUGEX_Z</Charge_id>
  <Quantity>0</Quantity>
  <Qty_unit>MWh</Qty_unit>
  <Amount>0</Amount>
  <Amount_unit>GBP</Amount_unit>
  <Bill_order>129.12</Bill_order>
  <Charge_type>2</Charge_type>
  <Tax_amount>0</Tax_amount>
  <Tax_vartype_code>CBVAT-CONPIUGEX_Z</Tax_vartype_code>
  <Tax_vartype_name>XBorder VAT Rate for CONPIUGEX_Z</Tax_vartype_name>
  <Tax_pay_or_charge>Z</Tax_pay_or_charge>
  <Tax_percent_text>20.0 %</Tax_percent_text>
</Body>
- <Job>
  <Job_id>137158</Job_id>
  <Job_name>ENGEXG</Job_name>
  <Settlement_day>2012-09-02</Settlement_day>
  <Job_number>137158</Job_number>
  <Job_version>6</Job_version>
  <Job_state>SAD</Job_state>
  <Job_status>F</Job_status>
  <True_up_based_on>23935</True_up_based_on>
  <Statement_id>7360455</Statement_id>
  <Global_participant_no>PT_60001</Global_participant_no>
</Job>
- <Tax_Sum>
  <Tax_rate_text />
  <Tax_pay_or_charge />
  <Net_amount>-835.05</Net_amount>
  <Tax_total_amount>0</Tax_total_amount>
  <Gross_amount>-835.05</Gross_amount>
</Tax_Sum>
</InvoiceElement>
</InvoiceSet>

```

5.2.7 SEGMENT

A Segment is a group of calculations that are able to be run at the same time. The following Segments are configured in the Market Operator Settlements System.

| Market | Segment | Segment Description |
|--------|---------------|--|
| EN | ENGEXG | Energy payment and charge amount exchanged. All currencies are subject to Market Participant jurisdiction. |
| EN | ENGIPCC | Currency cost calculations for the Energy Market. |
| EN | ENG-CBFACTOR1 | Cross Border Proportion Calculation Segment for Energy Market |
| EN | ENG-CBFACTOR2 | Cross Border Proportion Calculation Segment for Energy Market |
| EN | UP-E-EXG | Exchanged Energy Underpayment Allocation |
| CA | UP-C-EXG | Exchanged Capacity Underpayment Allocation |
| CA | CAPEXG | Capacity payment and charge amount exchanged. All currencies are subject to Market Participant jurisdiction. |
| CA | CAPIPC | Currency cost calculations for the Capacity Market. |
| MO | MOEXG | Market Operator charges amount exchanged. |
| FMO | FMOEXG | Fixed Market Operator charges amount exchanged. |

Note: This field refers to the Segment field in the Header section of the Settlement Statement and the Summary section of the Participant Information Report (PIR).

5.2.8 PRODUCT (CHARGE ID)

A Product is pushed out on statement files and they represent an amount in the Market Participants' native currencies. The following Products are configured in the Market Operator Settlements System.

| Market | Product (Charge IDs) | Product Description |
|--------|----------------------|---|
| CA | CPEX | Capacity Payment for Generator Units (exchanged to Market Participant currency). |
| CA | CPIUGEX | Capacity Payment for Interconnector Unit Gates (exchanged to Market Participant currency). |
| CA | CPIEUEX | Capacity Payments for Interconnector Error Units (exchanged to Market Participant currency). |
| CA | CCEX | Capacity Charge for Supplier Units (exchanged to Market Participant currency). |
| CA | CCJEX | Capacity Charges for Error Supplier Unit (exchanged to Market Participant currency). |
| CA | REALLOC | Reallocation amount. |
| CA | CC_PCPEX | Currency Costs for Capacity Market for each Market Participant for the Capacity Period (exchanged to Market Participant currency). This charge only applies before the crossover date of CR150 |
| CA | CC_IUGCPPEX | Currency Costs for Interconnector Unit Gates for the Capacity Market for the Capacity Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150 |
| CA | CC_UCPEX | Currency Costs for Supplier Units for the Capacity Market for the Capacity Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150 |

| Market | Product (Charge IDs) | Product Description |
|--------|----------------------|---|
| CA | CC_UCPPEX | Currency Costs for Generator Units for the Capacity Market for the Capacity Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150. |
| CA | CCCAALOC | Currency Costs Reallocation – Capacity. |
| CA | UIAC-EX | Exchanged Unpaid Capacity Invoice Allocation for Generator Unit |
| CA | UIAIUC-EX | Exchanged Unpaid Capacity Invoice Allocation for IRCU, IEU |
| CA | UIAIUGC-EX | Exchanged Unpaid Capacity Invoice Allocation for IUG |
| CA | CAP_ZERO | Capacity Zero Amount Invoice |
| EN | ENPEX | Energy Payment for Generator Units (exchanged to Market Participant currency). |
| EN | ENPIUGEX | Energy Payment to Interconnector Unit Gates (exchanged to Market Participant currency). |
| EN | CONPEX | Constraint Payment for Generator Units (exchanged to Market Participant currency) |
| EN | CONPIUGEX | Constraint Payment to Interconnector Unit Gates (exchanged to Market Participant currency). |
| EN | UNIMPEX | Uninstructed Imbalance Payment for Generator Units (exchanged to Market Participant currency). |
| EN | MWPEX | Make Whole Payment for Generator Units (exchanged to Market Participant currency). |
| EN | MWPIUGEX | Make Whole Payment to Interconnector Unit Gates (exchanged to Market Participant currency) |
| EN | ENCEX | Energy Charge for Supplier Units (exchanged to Market Participant currency). |
| EN | ENCJEX | Energy Charge to for Error Supplier Unit (exchanged to Market Participant currency). |
| EN | IMPEX | Imperfection Charge for Supplier Units (exchanged to Market Participant currency). |
| EN | IMPCJEX | Imperfection Charge for Error Supplier Unit (exchanged to Market Participant currency). |
| EN | TCHAREX | Testing charge (exchanged to Market Participant currency). |
| EN | TCHARIEUEX | Testing charge for Interconnector (exchanged to Market Participant currency). |
| EN | REALLOC | Reallocation amount. |
| EN | UNIMPIEUEX | Uninstructed Imbalance Payment for Interconnector Error Units (exchanged to Market Participant currency). |
| EN | CC_PENEX | Currency cost for Energy Market for each Market Participant for the Billing Period (exchanged to Market Participant currency). This charge only applies before the crossover date of CR150. |
| EN | CC_IUGENPEX | Currency cost for Interconnector Unit Gates for the Energy Market for the Billing Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150 |
| EN | CC_UENCEX | Currency cost for Supplier Units for the Energy for the Billing Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150 |
| EN | CC_UENPEX | Currency cost for Generator Units for the Energy for the Billing Period (exchanged to Market Participant currency). This charge only applies after the crossover date of CR150 |
| EN | CCENALOC | Currency Costs Reallocation – Energy. |
| EN | UIAE-EX | Exchanged Unpaid Invoice Allocation for Generator Unit |
| EN | UIAIU-EX | Exchanged Unpaid Invoice Allocation for IRCU, IEU |
| EN | UIAIUGE-EX | Exchanged Unpaid Energy Invoice Allocation for IUG |

| Market | Product (Charge IDs) | Product Description |
|------------|----------------------|--|
| <u>EN</u> | <u>EN_ZERO</u> | Energy Zero Amount Invoice |
| FMO | FMOC_EX | Fixed Market Operator Charge (exchanged to Market Participant currency).. |
| FMO | FMOCGEN_EX | Fixed Market Operator Charge for Generator Units (exchanged to Market Participant currency). |
| FMO | FMOCSUP_EX | Fixed Market Operator Charge for Supplier Units(exchanged to Market Participant currency). |
| FMO | FMOCIUG_EX | Fixed Market Operator Charge for Interconnector Unit Gates (exchanged to Market Participant currency). |
| <u>FMO</u> | <u>FMOC_ZERO</u> | Market Operator Fee Zero Amount Invoice |
| MO | VMOC_EX | Variable Market Operator Charge (exchanged to Market Participant currency). |
| MO | VMOCJ_EX | Variable Market Operator Charge for Error Supplier Unit (exchanged to Market Participant currency). |
| <u>MO</u> | <u>MO_ZERO</u> | Variable Market Operator Charge Zero Amount Invoice |
| EN | INTEREST | Interest |
| EN | INT_XMPT | Interest Exempt |

Note: The Product (Charge ID) refers to the Product field in the Summary and Detail sections of the Settlement Statement.

5.2.9 MEMBER PRIVATE VARIABLE TYPES

Total market values are captured as Variable Types. The following Variable Types are configured in the Market Operator Settlements System for Member Private Settlement Reports

Note Ref R2.2.0: Please note the following table has been reformatted. Those items in **bold** are new items relating to R2.2.0

| Report | Market | Variable Type | Description | Unit | Applies to | Valid From | Valid To |
|--------|--------|---------------|--|---------|--------------------------|------------|------------|
| PIR | CA | AIND | Aggregated Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | CA | ALLP | Ex-Ante Loss of Load Probability Value | MW | Participant | 01/11/2007 | |
| PIR | CA | ANIND | Aggregated Non-Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | CA | CPDP | Capacity Payment Demand Price | EUR/MWh | Participant | 01/11/2007 | |
| PIR | CA | CPGP | Capacity Payment Generation Price | EUR/MWh | Participant | 01/11/2007 | |
| PIR | CA | EA | Eligible Availability for Generator Unit | MW | Resource | 01/11/2007 | |
| PIR | CA | EAIU | EA in MW of Average Power for Interconnector and Residual Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| PIR | CA | EAIUG | Eligible Availability in MWh | MWh | Interconnector Unit Gate | 22/07/2012 | |
| PIR | CA | EAVWF | Ex Ante Variable Capacity Payment Weighting Factor | / | Participant | 01/11/2007 | |
| PIR | CA | ECGP | Ex Ante Capacity Generation Price | EUR/MW | Participant | 01/11/2007 | |
| PIR | CA | FCGP | Fixed Capacity Generation Price | EUR/MW | Participant | 01/11/2007 | |
| PIR | CA | FCPWF | Ex Ante Variable Capacity Payment Weighting Factor | / | Participant | 01/11/2007 | |
| PIR | CA | LLP | Ex-Post Loss of Load Probability Value | / | Participant | 01/11/2007 | |
| PIR | CA | MSQ | Market Schedule Quantity for Generator Unit | MW | Resource | 01/11/2007 | |
| PIR | CA | MSQIU | Market Schedule Quantity for Interconnector Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| PIR | CA | MSQIUG | Market Schedule Quantity for IUG | MW | Interconnector Unit Gate | 22/07/2012 | |
| PIR | CA | ND | Net Demand | MWh | Resource | 01/11/2007 | 16/01/2009 |
| PIR | CA | NDA | Net Demand Adjustment | MWh | Resource | 08/05/2011 | |
| PIR | CA | NDAF | Net Demand Adjustment Factor | / | Resource | 08/05/2011 | |
| PIR | CA | NDLF | Loss Adjusted Net Demand | MWh | Resource | 17/01/2009 | |
| PIR | CA | NDLFESU | Loss Adjusted Net Demand for ESU | MWh | Resource | 01/11/2007 | |
| PIR | CA | NIEP | Non-Interval Energy Proportion | / | Resource | 05/06/2011 | |

| | | | | | | | |
|-----|----|-----------|---|--------|---------------------------|------------|------------|
| PIR | CA | PCBTCSEUQ | Participant XBorder EU Trade Capacity Supply Quantity | MWh | Participant | SEM R2.2.0 | |
| PIR | CA | PCBTCSEUQ | Participant XBorder Non-EU Trade Capacity Supply Quantity | MWh | Participant | SEM R2.2.0 | |
| PIR | CA | PCBTCSQ | Participant XBorder Trade Capacity Supply Quantity Within Jurisdiction | MWh | Participant | SEM R2.2.0 | |
| PIR | CA | PEXPCGQ | Participant Export Capacity Generation Quantity | MWh | Participant | 01/12/2010 | |
| PIR | CA | PIMPCSQ | Participant Import Capacity Supply Quantity | MWh | Participant | 01/12/2010 | SEM R2.2.0 |
| PIR | CA | REVLf | Loss Adjusted Residual Error Volume | MWh | Jurisdiction | 08/05/2011 | |
| PIR | CA | SMPCPEALF | Participant Capacity Payments Eligible Availability for Capacity Period | MWh | Participant | 01/12/2010 | |
| PIR | CA | SMPNDLF | Loss Adjusted Monthly Total Participant Net Demand | MWh | Participant | 01/12/2010 | |
| PIR | CA | SNDLF | Loss Adjusted Settlement Net Demand | MWh | Resource | 08/05/2011 | |
| PIR | CA | VCPGP | Variable Capacity Payment Generation Price | EUR/MW | Participant | 01/11/2007 | |
| PIR | CA | VCPWF | Variable Capacity Payments Weighting Factor | / | Participant | 01/11/2007 | |
| PIR | EN | AIND | Aggregated Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | EN | ANIND | Aggregated Non-Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | EN | DQ | Dispatch Quantity | MW | Resource | 01/11/2007 | |
| PIR | EN | DQIU | Dispatch Quantity for Interconnector & Residual Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| PIR | EN | DQIUG | Dispatch Quantity for Interconnector Unit Gate | MW | Interconnector Unit Gate | 22/07/2012 | |
| PIR | EN | MD | Metered Demand | MWh | Resource | 01/11/2007 | |
| PIR | EN | MG | Metered Generation | MWh | Resource | 01/11/2007 | |
| PIR | EN | MGEU | Metered Generation for Interconnector Error Unit | MWh | Interconnector Error Unit | 01/11/2007 | |
| PIR | EN | MGIU | Metered Generation of Interconnector and Residual Unit | MWh | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| PIR | EN | MGIUG | Metered Generation for Interconnector Unit Gate | MWh | Interconnector Unit Gate | 22/07/2012 | |
| PIR | EN | MSQ | Market Schedule Quantity for Generator Unit | MW | Resource | 01/11/2007 | |
| PIR | EN | MSQIU | Market Schedule Quantity for Interconnector Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| PIR | EN | MSQIUG | Market Schedule Quantity for IUG | MW | Interconnector Unit Gate | 22/07/2012 | |
| PIR | EN | ND | Net Demand | MWh | Resource | 01/11/2007 | 16/01/2009 |
| PIR | EN | NDA | Net Demand Adjustment | MWh | Resource | 08/05/2011 | |
| PIR | EN | NDAF | Net Demand Adjustment Factor | / | Resource | 08/05/2011 | |
| PIR | EN | NDLF | Loss Adjusted Net Demand | MWh | Resource | 17/01/2009 | |
| PIR | EN | NDLFESU | Loss Adjusted Net Demand for ESU | MWh | Resource | 01/11/2007 | |

| | | | | | | | |
|------------|-----------|-------------------|---|------------|--------------------|-------------------|-------------------|
| PIR | EN | NIEP | Non-Interval Energy Proportion | / | Resource | 05/06/2011 | |
| PIR | EN | NIJ | Inter Jurisdiction Meter Value | MWh | Jurisdiction | 01/11/2007 | |
| PIR | EN | PCBTESEUQ | Participant XBorder EU Trade Energy Supply Quantity | MWh | Participant | SEM R2.2.0 | |
| PIR | EN | PCBTESNEUQ | Participant XBorder Non-EU Energy Trade Supply Quantity | MWh | Participant | SEM R2.2.0 | |
| PIR | EN | PCBTESQ | Participant XBorder Trade Energy Supply Quantity Within Jurisdiction | MWh | Participant | SEM R2.2.0 | |
| PIR | EN | PEXPEGQ | Participant Export Energy Generation Quantity | MWh | Participant | 21/11/2010 | |
| PIR | EN | PIMPESQ | Participant Import Energy Supply Quantity | MWh | Participant | 21/11/2010 | SEM R2.2.0 |
| PIR | EN | REVLf | Loss Adjusted Residual Error Volume | MWh | Jurisdiction | 08/05/2011 | |
| PIR | EN | SMP | System Marginal Price | EUR/MWh | Participant | 01/11/2007 | |
| PIR | EN | SNDLF | Loss Adjusted Settlement Net Demand | MWh | Resource | 08/05/2011 | |
| PIR | EN | SWPMGLF | Loss Adjusted Weekly Total Participant Generation | MWh | Participant | 21/11/2010 | |
| PIR | EN | SWPNDLF | Loss Adjusted Weekly Total Participant Net Demand | MWh | Participant | 21/11/2010 | |
| PIR | FMO | FMOP | Fixed Market Operator Charge | EUR/MW | Resource | 01/11/2007 | |
| PIR | MO | AINd | Aggregated Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | MO | ANIND | Aggregated Non-Interval Net Demand | MWh | Jurisdiction | 08/05/2011 | |
| PIR | MO | ND | Net Demand | MWh | Resource | 01/11/2007 | 16/01/2009 |
| PIR | MO | NDA | Net Demand Adjustment | MWh | Resource | 08/05/2011 | |
| PIR | MO | NDAF | Net Demand Adjustment Factor | / | Resource | 08/05/2011 | |
| PIR | MO | NDLF | Loss Adjusted Net Demand | MWh | Resource | 17/01/2009 | |
| PIR | MO | NDLFESU | Loss Adjusted Net Demand for ESU | MWh | Resource | 01/11/2007 | |
| PIR | MO | NIEP | Non-Interval Energy Proportion | / | Resource | 05/06/2011 | |
| PIR | MO | REVLf | Loss Adjusted Residual Error Volume | MWh | Jurisdiction | 08/05/2011 | |
| PIR | MO | SNDLF | Loss Adjusted Settlement Net Demand | MWh | Resource | 08/05/2011 | |
| PIR | MO | VMOP | Variable Market Operator Charge for the Year | EUR/MWh | Participant | 01/11/2007 | |

Note: The Variable Types defined above refer to the Variable Type field in the Detail section of the Participant Information Report (PIR). The “Valid From” and “Valid To” fields refer to the range of settlement days for which the Variable Type is effective.

5.2.10 MARKET NAME FOR INVOICE

This table provides a list of the different values that could be recorded in the “Market_name” field in the invoice.

| Market name | Description |
|---------------------------------|--|
| Energy Market | Energy settlement |
| Capacity Market | Capacity settlement |
| Variable Market Operator Charge | Variable Market Operator charge settlement |
| Fixed Market Operator Charge | Fixed Market Operator charge settlement |

5.2.11 SETTLEMENT REPORT REQUEST SAMPLES

When a Market Participant requests a settlements file (Statement, Report, or Invoice), they will receive back a single response from the CMS. This response can be either:

- The file itself, returned in the specified response file; or
- An “error” message (when the request is invalid) returned in the specified response file.

The error message will be one of:

- Requested file not found - {0}.
- Invalid filename - {0}.
- XML request is not well-formed.
- There was an error processing the request.
- Invalid request type, must be one of STMT, INVC, RPT, DURL or FILE where {0} indicates the appropriate file name, typically ending in csv or xml.

By default the Market Participant Client Toolkit will also return a Digital Signature xml file generated locally.

In the following sections, sample responses are provided based on different cases covering both successful and unsuccessful cases.

5.2.11.1 CASE 1: DIRECTORY LISTING

A Market Participant requests a Directory Listing (DURL) (which provides a listing of the files available for a given date) and receives the Directory Listing as the response.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<directory date="2007-11-01"> </directory>
```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<directory_file_list>
  <file name="CAPEXG_F_MKTPAR_2007-11-01.csv"/>
  <file name="CAPEXG_F_MKTPAR_2007-11-01(1).csv"/>
  <file name="ENGEXG_P_MKTPAR_2007-11-01.csv"/>
  <file name="ENGEXG_P_MKTPAR_2007-11-01(1).csv"/>
  <file name="ENGEXG_P_MKTPAR_2007-11-01(2).csv"/>
  <file name="ENGEXG_P_MKTPAR_2007-11-01(3).csv"/>
  <file name="ENGEXG_P_MKTPAR_2007-11-01(4).csv"/>
  <file name="MOEXG_P_MKTPAR_2007-11-01(1).csv"/>
  <file name="MOEXG_P_MKTPAR_2007-11-01(2).csv"/>
  <file name="FMOEXG_P_MKTPAR_2007-11-01.csv"/>
  <file name="CA_PIR_MKTPAR_P_2007-11-01.csv"/>
  <file name="EN_PIR_MKTPAR_P_2007-11-01.csv"/>
  <file name="INV_1079_MKTPAR_P_2007-11-01.csv"/>
  <file name="INV_1080_MKTPAR_P_2007-11-01.csv"/>
  <file name="EN_MFR_P_2007-11-01.csv"/>
  <file name="EN_MIR_P_2007-11-01.csv"/>
  <file name="EN_MGR_P_2007-11-01.csv"/>
  <file name="CA_MFR_P_2007-11-01.csv"/>
  <file name="CA_MIR_P_2007-11-01.csv"/>
</directory_file_list>

```

Note 1: The three settlement file types are included above:

- Invoices – prefixed by INV_
- Statements – prefixed by Market Segment abbreviation (ENGEXG_ for Energy, CAPEXG_ for Capacity, MOEXG_ for Market Operator Charges, or FMOEXG_ for Fixed Market Operator Charges)
- Reports – prefixed by Market abbreviation (EN_ for Energy or CA_ for Capacity)

Note 2: Invoices are available by Invoice Date, Statements and Reports by Settlement Day.

Note 3: For an empty directory, the response would be:

```

<?xml version="1.0" encoding="UTF-8"?>
<directory_file_list> <directory_file_list>

```

5.2.11.2 CASE 2A: SPECIFIC FILE

A Market Participant requests a specific Settlements File (FILE) by filename and receives the specified file as the response. (The Market Participant would obtain the exact filename using the DURL request as above in Case 1.)

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="EN_PIR_MKTPAR_P_2006-10-31.csv" date="2006-10-31">
</file>
```

Response:

```
H,001,AIP,2007-03-16 08:44:53,287,MKTPAR,P,2006-10-31
S,EN,INTP1,100,1,P,2007-03-02 16:08:42
S,EN,INTP2,101,1,P,2007-03-05 10:18:29
S,EN,INTP3,104,3,P,2007-03-05 11:57:45
S,EN,FMOC,119,2,P,2007-03-09 13:57:12
D,2006-10-
31,10,30,,MG,MG_SampleGen1,SampleGen1,Location1,,MWh,9.6,9.6
D,2006-10-
31,11,30,,MG,MG_SampleGen1,SampleGen1,Location1,,MWh,9.6,9.6
D,2006-10-31,10,30,,MG,MG_SampleGen2,SampleGen2,,MWh,33.25,33.25
D,2006-10-31,11,30,,MG,MG_SampleGen2,SampleGen2,,MWh,33.25,33.25
D,2006-10-
31,10,30,,MSQ,MSQ_SampleGen1,SampleGen1,Location1,,MW,18,18
D,2006-10-
31,11,30,,MSQ,MSQ_SampleGen1,SampleGen1,Location1,,MW,18,18
D,2006-10-31,10,30,,MSQ,MSQ_SampleGen2,SampleGen2,,MW,70,70
D,2006-10-31,11,30,,MSQ,MSQ_SampleGen2,SampleGen2,,MW,70,70
D,2006-10-31,10,30,,DQ,DQ_SampleGen1,SampleGen1,Location1,,MW,20,20
D,2006-10-31,11,30,,DQ,DQ_SampleGen1,SampleGen1,Location1,,MW,20,20
D,2006-10-31,10,30,,DQ,DQ_SampleGen2,SampleGen2,,MW,70,70
D,2006-10-31,11,30,,DQ,DQ_SampleGen2,SampleGen2,,MW,70,70
...
```

The actual file is returned as the response, but only the start of the file is included in the above illustration.

Note: When requesting a Report file, the *response file* specified in *build.xml* should specify .csv in the filename. The same file extension should be used when requesting a Statement, whereas .xml should be used when requesting an Invoice.

5.2.11.3 CASE 2B: SPECIFIC FILE – FILE NOT FOUND

A Market Participant requests a specific Settlements File (FILE) by filename and receives a response indicating that no settlements files match the filename specified.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="EN_PIR_MKTPAR_P_2006-12-31.csv" date="2006-10-31">
</file>
```

Response:

```
Requested file not found - EN_PIR_MKTPAR_P_2006-12-31.csv
```

5.2.11.4 CASE 3A: INVOICE REQUEST

A Market Participant requests an Invoice (INVC) and receives the Invoice file as the response.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<invoice number="1079" date="2007-03-13">
</invoice>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<InvoiceSet xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://tempuri.org/InvoiceSet.xsd">
  <InvoiceElement>
    <Invoice_number>1079</Invoice_number>
    <Sender_addr1>DUBLIN</Sender_addr1>
    <Sender_addr2>DUBLIN, DUBLIN</Sender_addr2>
    <Sender_tel>+35 111 1111</Sender_tel>
    <Sender_taxid>AIPSEM</Sender_taxid>
    <Receiver_name>MKTPAR</Receiver_name>
    <Receiver_addr1>DUBLIN</Receiver_addr1>
    <Receiver_addr2>DUBLIN, DUBLIN</Receiver_addr2>
    <Receiver_gl_number>MKTPAR</Receiver_gl_number>
    <Invoice_type>2</Invoice_type>
    <Due_date>2007-03-16</Due_date>
    <Inv_heading>Final invoice for Oct 2006</Inv_heading>
    <Signature1>appst1</Signature1>
    <Unit>EUR</Unit>
    <Invoice_date>2007-03-13</Invoice_date>
    <Invoice_calendar_id>233</Invoice_calendar_id>
    <Invoice_amount>5025994.46</Invoice_amount>
    <Market_name>Capacity Market</Market_name>
    <Bill_period_name>Oct 2006</Bill_period_name>
    <Receiver_id>MKTPAR</Receiver_id>
    <First_amount>-5025994.46</First_amount>
    <Body>
      <Invoice number>1079</Invoice number>
      <Bill_heading>Charges for period Oct 2006</Bill_heading>
```

The actual file is returned as the response, but only the start of the file is included in the above illustration.

Note: The invoice number will need to be determined by doing a DURL request.

5.2.11.5 CASE 3B: INVOICE REQUEST – FILE NOT FOUND

A Market Participant requests an Invoice (INVC) and receives a response indicating that no Invoices match the request.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<invoice number="1079" date="2007-03-14">
</invoice>
```

Response:

```
Requested file not found - INV 1079 MKTPAR 2007-03-14.xml
```

5.2.11.6 CASE 4A: REPORT REQUEST

A Market Participant requests a Report (RPT) and receives the Report file as the response.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<report market="EN" report="PIR" type="INDICATIVE" date="2006-10-31">
</report>
```

Response:

```
H, 001, AIP, 2007-03-16 08:44:53, 287, MKTPAR, P, 2006-10-31
S, EN, INTP1, 100, 1, P, 2007-03-02 16:08:42
S, EN, INTP2, 101, 1, P, 2007-03-05 10:18:29
S, EN, INTP3, 104, 3, P, 2007-03-05 11:57:45
S, EN, FMOC, 119, 2, P, 2007-03-09 13:57:12
D, 2006-10-31, 10, 30, , MG, MG_SampleGen1, SampleGen1, Location1, , MWh, 9.6, 9.6
D, 2006-10-31, 11, 30, , MG, MG_SampleGen1, SampleGen1, Location1, , MWh, 9.6, 9.6
D, 2006-10-31, 10, 30, , MG, MG_SampleGen2, SampleGen2, , MWh, 33.25, 33.25
D, 2006-10-31, 11, 30, , MG, MG_SampleGen2, SampleGen2, , MWh, 33.25, 33.25
D, 2006-10-31, 10, 30, , MSQ, MSQ_SampleGen1, SampleGen1, Location1, , MW, 18, 18
D, 2006-10-31, 11, 30, , MSQ, MSQ_SampleGen1, SampleGen1, Location1, , MW, 18, 18
D, 2006-10-31, 10, 30, , MSQ, MSQ_SampleGen2, SampleGen2, , MW, 70, 70
D, 2006-10-31, 11, 30, , MSQ, MSQ_SampleGen2, SampleGen2, , MW, 70, 70
D, 2006-10-31, 10, 30, , DQ, DQ_SampleGen1, SampleGen1, Location1, , MW, 20, 20
D, 2006-10-31, 11, 30, , DQ, DQ_SampleGen1, SampleGen1, Location1, , MW, 20, 20
D, 2006-10-31, 10, 30, , DQ, DQ_SampleGen2, SampleGen2, , MW, 70, 70
D, 2006-10-31, 11, 30, , DQ, DQ_SampleGen2, SampleGen2, , MW, 70, 70
D, 2006-10-31, 0, 30, , DQ, DQ_SampleGen3, SampleGen3, Location1, , MW, 0, 0
D, 2006-10-31, 1, 30, , DQ, DQ_SampleGen3, SampleGen3, Location1, , MW, 0, 0
...
```

The actual file is returned as the response, but only the start of the file is included in the above illustration.

5.2.11.7 CASE 4B: REPORT REQUEST – FILE NOT FOUND

A Market Participant requests a Report (RPT) and receives a response indicating that no Reports match the request.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<report market="EN" report="PIR" type="INITIAL" date="2006-10-31">
</report>
```

Response:

```
Requested file not found - EN PIR MKTPAR F 2006-10-31.csv
```

5.2.11.8 CASE 5A: STATEMENT REQUEST

A Market Participant requests a Statement (STMT) and receives the Statement file as the response.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<statement segment="ENGEXG" type="INDICATIVE" date="2006-10-31"/>
```

Response:

```
H,007,AIP,2007-03-09 15:58:57,112,MKTPAR,178,P,EN,ENGEXG108,2,2007-03-06
11:12:14,2006-10-31
S,ENPEX,Energy Payment ,2006-10-31,P,0.0000,MWh,12191.2000,/
S,TCHAREX,Testing Charge for Generator Unit Exchanged ,2006-10-
31,P,0.0000,MWh,0.0000,/
S,UNIMarket ParticipantEX,Uninstructed Imbalance Payment Exchanged,2006-10-
31,C,0.0000,MWh,-1577.7600,/
S,CONPEX,Constraint Payments Exchanged,2006-10-31,P,0.0000,MWh,365.4000,/
D,ENPEX,176,P,2006-10-31,10,00,30,,,SampleGen1,Location1,,,00000,MWh,639.4500,/
D,ENPEX,176,P,2006-10-31,10,30,30,,,SampleGen1,Location1,,,00000,MWh,639.4500,/
D,ENPEX,176,P,2006-10-31,11,00,30,,,SampleGen1,Location1,,,00000,MWh,639.4500,/
D,ENPEX,176,P,2006-10-31,11,30,30,,,SampleGen1,Location1,,,00000,MWh,639.4500,/
D,TCHAREX,177,P,2006-10-31,10,00,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,TCHAREX,177,P,2006-10-31,10,30,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,TCHAREX,177,P,2006-10-31,11,00,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,TCHAREX,177,P,2006-10-31,11,30,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,UNIMarket ParticipantEX,207,C,2006-10-
31,10,00,30,,,SampleGen1,Location1,,,00000,MWh,-179.4321,/
D,UNIMarket ParticipantEX,207,C,2006-10-
31,10,30,30,,,SampleGen1,Location1,,,00000,MWh,-138.3651,/
D,UNIMarket ParticipantEX,207,C,2006-10-
31,11,00,30,,,SampleGen1,Location1,,,00000,MWh,-45.6750,/
D,UNIMarket ParticipantEX,207,C,2006-10-
31,11,30,30,,,SampleGen1,Location1,,,00000,MWh,-45.6750,/
D,CONPEX,216,P,2006-10-31,0,00,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,CONPEX,216,P,2006-10-31,0,30,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,CONPEX,216,P,2006-10-31,1,00,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,CONPEX,216,P,2006-10-31,1,30,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,CONPEX,216,P,2006-10-31,2,00,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
D,CONPEX,216,P,2006-10-31,2,30,30,,,SampleGen1,Location1,,,00000,MWh,0.0000,/
...
```

The actual file is returned as the response, but only the start of the file is included in the above illustration.

5.2.11.9 CASE 5B: STATEMENT REQUEST – FILE NOT FOUND

A Market Participant requests a Statement (STMT) and receives a response indicating that no Statements match the request.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<statement segment="ENGEXG" type="INITIAL" date="2006-10-31"/>
```

Response:

```
Requested file not found - ENGEXG_F_MKTPAR_2006-10-31.csv
```

5.3 GENERAL PUBLIC SETTLEMENT REPORTS

5.3.1 DESCRIPTION

There are five General Public Settlement Publication file types available:

- Energy Market Financial Publication (MFR);
- Energy Market Information Publication (MIR);
- Capacity Market Financial Publication (MFR);
- Capacity Market Information Publication (MIR); and
- Metered Generation Information Publication (MGR).

Each of these publications is available for both Indicative and Initial settlement runs (i.e. 10 separate files are available).

5.3.2 PUBLICATION TIMING

The following table details the publication time, file type and frequency for each of the publications.

| Publication Name | Publication Time | File Type | Frequency |
|---|---|--------------------------|-----------|
| Energy Market Financial Publication – Indicative | Settlement Day + Two working day by 17:00 | .csv | Daily |
| Energy Market Financial Publication – Initial | Settlement Day + Five Working days, as updated, at 17:00 the day of recalculation | .csv | Daily |
| Energy Market Information Publication - Indicative | Settlement Day + Two Working Day by 17:00 | .csv | Daily |
| Energy Market Information Publication - Initial | Settlement Day + Five Working Days by 17:00 | .csv | Daily |
| Meter Generation Information Publication - Indicative | Settlement Day + Two Working Day by 17:00 | .csv | Daily |
| Meter Generation Information Publication - Initial | Settlement Day + Five Working Days by 17:00 | .csv | Daily |
| Capacity Market Financial Publication - Indicative | Capacity Period + Three Working days at 17:00 | Collection of daily .csv | Monthly |
| Capacity Market Financial Publication - Initial | Capacity Period + Seven Working days at 12:00 | Collection of daily .csv | Monthly |
| Capacity Market Information Publication - Indicative | Capacity Period + Three Working days at 17:00 | Collection of daily .csv | Monthly |
| Capacity Market Information Publication - Initial | Capacity Period + Seven Working days at 12:00 | Collection of daily .csv | Monthly |

5.3.3 GENERAL PUBLIC VARIABLE TYPES

Total market values are captured as Variable Types. The following Variable Types are configured in the Market Operator Settlements System for General Public Settlement Reports:

Note Ref R2.2.0: Please note the following table has been reformatted. Those items in **bold** are new items relating to R2.2.0

| Report | Market | Variable Type | Description | Unit | Applies to | Valid From | Valid To |
|--------|--------|---------------|---|------|---------------------------|------------|-------------------|
| MFR | CA | CPEX | Capacity Period Payment for Generator Unit Exchanged | / | Resource | 01/11/2007 | |
| MFR | CA | CPIEUEX | Capacity Period Payment for Interconnector Error Unit Exchanged | / | Interconnector Error Unit | 01/11/2007 | |
| MFR | CA | CPIUEX | Capacity Payment for Interconnector & Residual Units Exchanged | / | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| MFR | CA | CPIUGEX | Capacity Period Payment for Interconnector Unit Gate Exchanged | / | Interconnector Unit Gate | 22/07/2012 | |
| MFR | EN | CONPEX | Constraint Payments Exchanged | / | Resource | 01/11/2007 | |
| MFR | EN | CONPIUEX | Constraint Payments for Interconnector Unit Exchanged | / | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| MFR | EN | CONPIUGEX | Constraint Payments for Interconnector Unit Gate Exchanged | / | Interconnector Unit Gate | 22/07/2012 | |
| MFR | EN | ENPEX | Energy Payment | / | Resource | 01/11/2007 | |
| MFR | EN | ENPIUEX | Energy Payment for Interconnector Unit | / | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| MFR | EN | ENPIUGEX | Energy Payment for Interconnector Unit Gate | / | Interconnector Unit Gate | 22/07/2012 | |
| MGR | EN | JMDLF | Total MDLF for Jurisdiction | MWh | Jurisdiction | 17/01/2009 | |
| MGR | EN | JMGLF | Total MGLF for Jurisdiction | MWh | Jurisdiction | 17/01/2009 | |
| MGR | EN | MG | Metered Generation | MWh | Resource | 01/11/2007 | |
| MGR | EN | MGEU | Metered Generation for Interconnector Error Unit | MWh | Interconnector Error Unit | 01/11/2007 | |
| MGR | EN | MGIU | Metered Generation of Interconnector and Residual Unit | MWh | Interconnector Unit | 01/11/2007 | |
| MGR | EN | MGIUG | Metered Generation for Interconnector Unit Gate | MWh | Interconnector Unit Gate | 22/07/2012 | |
| MGR | EN | MSQ | Market Schedule Quantity for Generator Unit | MW | Resource | 01/11/2007 | |
| MGR | EN | MSQIU | Market Schedule Quantity for Interconnector Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| MGR | EN | MSQIUG | Market Schedule Quantity for IUG | MW | Interconnector Unit Gate | 22/07/2012 | |
| MGR | EN | NIJ | Inter Jurisdiction Meter Value | MWh | Jurisdiction | 01/11/2007 | |
| MGR | EN | REVLf | Loss Adjusted Residual Error Volume | MWh | Jurisdiction | 08/05/2011 | |
| MIR | CA | CBCEP | Cross Border Capacity Export Proportion | / | Jurisdiction | 01/12/2010 | |
| MIR | CA | CBCIP | Cross Border Capacity Import Proportion | / | Jurisdiction | 01/12/2010 | SEM R2.2.0 |

| | | | | | | | |
|-----|----|-----------|---|--------|---------------------------|------------|------------|
| MIR | CA | CBCSP | Within Jurisdiction Capacity Supplied Proportion | / | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | CBCSPEU | XBorder Capacity Supplied by EU Participants | / | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | CBCSPNEU | XBorder Capacity Supplied Proportion by Non-EU Participants | / | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | CPCJ | Total Capacity Period Charge for Jurisdiction | [-] | Jurisdiction | 01/12/2010 | |
| MIR | CA | CPPJ | Total Capacity Period Payment for Jurisdiction | [-] | Jurisdiction | 01/12/2010 | |
| MIR | CA | EA | Eligible Availability for Generator Unit | MW | Resource | 01/11/2007 | |
| MIR | CA | EAEU | Eligible Availability in MW of Average Power for Interconnector Error Unit | MW | Interconnector Error Unit | 01/11/2007 | |
| MIR | CA | EAIU | EA in MW of Average Power for Interconnector and Residual Unit | MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |
| MIR | CA | EAIUG | Eligible Availability in MWh | MWh | Interconnector Unit Gate | 22/07/2012 | |
| MIR | CA | EAVWF | Ex Ante Variable Capacity Payment Weighting Factor | / | Participant | 01/11/2007 | |
| MIR | CA | LLP | Ex-Post Loss of Load Probability Value | / | Participant | 01/11/2007 | |
| MIR | CA | MARGIN | MARGIN | MW | Participant | 01/11/2007 | |
| MIR | CA | SMJCP_EU | Total Capacity Payment in Jurisdiction Where Generator Owned by EU Participant | EUR | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | SMJCP_NEU | Total Capacity Payment in Jurisdiction Where Gen Owned by Non-EU Part | EUR | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | SMJCP_OJ | Total Capacity Payment in Jurisdiction Where Generator and Participant in Different Jurisdictions | EUR | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | SMJCP_SJ | Total Capacity Payment in Jurisdiction Where Generator and Participant in Same Jurisdiction | EUR | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | TNDLF | Total MDLF for Market | MWh | Participant | 17/01/2009 | |
| MIR | CA | TSJCP | Total Capacity Payment for Jurisdiction | EUR | Jurisdiction | SEM R2.2.0 | |
| MIR | CA | VCPWF | Variable Capacity Payments Weighting Factor | / | Participant | 01/11/2007 | |
| MIR | EN | CBEED | Cross Border Energy Export Proportion | / | Jurisdiction | 21/11/2010 | |
| MIR | EN | CBEIP | Cross Border Energy Import Proportion | / | Jurisdiction | 21/11/2010 | SEM R2.2.0 |
| MIR | EN | CBESP | Within Jurisdiction Energy Supplied Proportion | / | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | CBESPEU | XBorder Energy Supplied by EU Participants | / | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | CBESPNEU | XBorder Energy Supplied Proportion by Non-EU Participants | / | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | DOPEX | Exchanged DOP | [-]/MW | Resource | 01/11/2007 | |
| MIR | EN | DOPIUEX | Exchanged DOPIU | [-]/MW | Interconnector Unit | 01/11/2007 | 22/07/2012 |

| | | | | | | | |
|------------|-----------|--------------------|---|------------|--------------------------|-------------------|--|
| MIR | EN | DOPIUGEX | Exchanged DOP for Interconnector Unit Gate | EUR/MW | Interconnector Unit Gate | 22/07/2012 | |
| MIR | EN | DOP_ELUEX | Exchanged DOP_ELU | [-]/MW | Resource | 18/11/2012 | |
| MIR | EN | DOP_UEX | Exchanged DOP_U | [-]/MW | Resource | 01/11/2007 | |
| MIR | EN | SWJMGLF | Loss Adjusted Weekly Total Jurisdiction Generation | MWh | Jurisdiction | 21/11/2010 | |
| MIR | EN | SWJMGLF_EU | Total Generation in Jurisdiction Where Gen Owned by EU Participant | MWh | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | SWJMGLF_NEU | Total Generation in Jurisdiction Where Gen Owned by Non-EU Participant | MWh | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | SWJMGLF_OJ | Total Generation in Jurisdiction Where Gen and Part in Different Jurisdictions | MWh | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | SWJMGLF_SJ | Total Generation in Jurisdiction where Gen and Part in Same Jurisdiction | MWh | Jurisdiction | SEM R2.2.0 | |
| MIR | EN | SWJNDLF | Weekly Total Jurisdiction Net Demand | MWh | Jurisdiction | 21/11/2010 | |
| MIR | EN | TOLOGLF | Tolerance for Over-Generation (Loss Adjusted) for Generator Unit | MW | Resource | 01/11/2007 | |
| MIR | EN | TOLUGLF | Tolerance for Under-Generation (Loss Adjusted) for Generator Unit | MW | Resource | 01/11/2007 | |
| MIR | EN | TSJG | Total Energy Supplied for Jurisdiction | MWh | Jurisdiction | SEM R2.2.0 | |

5.3.4 FILE LAYOUT

The file layout is generic across the five Settlement Publication file types and is as follows:

- Header Record;
- Detail Records; and
- Trailer Record.

5.3.4.1 HEADER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|----------------|---|------------------------|-----------|-------|------------------------|
| 1 | Record Type | Indicates the type of record. | {'H'} | Char(1) | | H |
| 2 | Version | The version number that defines the file layout This version is 001. | | Char(3) | | 001 |
| 3 | Timestamp | Date and time the file was created. Military time. | YYYY-MM-DD HH:MM:SS | Date time | | 2007-10-18 21:05:14 |
| 4 | Type | Status Type for the data. It indicates whether the Publication is based on Indicative (P) or Initial (F). | 'P', 'F' | Char(1) | | P |
| 5 | Settlement Day | The Settlement Day for the Publication That is the main date the energy was delivered and consumed. | YYYY-MM-DD | Date | | 2007-10-18 |

5.3.4.2 DETAIL RECORDS

| # | Field | Definition | Domain | Format | Null? | Example |
|----|---------------------|--|-------------------------------|--------------|-------|------------|
| 1 | Record Type | Indicates the type of record. | 'D' | Char(1) | | D |
| 2 | Delivery Day | Date the energy was delivered and consumed. | YYY-MM-DD | Date | | 2007-10-18 |
| 3 | Delivery Hour | Hour the energy was delivered and consumed If an hour does not have any values there will be no record for this hour. | HH24 | Number(2) | | 13 |
| 4 | Resolution | Time resolution gives information on the length of the interval (30 minutes). | 30 | Number(2) | | 30 |
| 5 | Variable type | The short name of the variable type code that is reported. | | Char(24) | | MG |
| 6 | Variable name | A name uniquely identifying the values. | | Char(156) | | MG_UNIT1 |
| 7 | Resource | The unique identifier for the Market Participant's resource/unit The would be null (blank) when the variable type is for a non-resource. | | Char(100) | √ | UNIT1 |
| 8 | Jurisdiction | The unique identifier for the jurisdiction The would be null (blank) when the variable type is for a non-resource. | 'ROI' , 'NI' | Char(100) | √ | ROI |
| 9 | Unit of Measurement | Unit for the variable type. | 'MWh', 'MW' | Char(18) | | MWh |
| 10 | Value1 | Variable value for the first interval for the hour in Field 3 Minus sign us used in if needed. | Positive and negative numbers | Number(28,8) | | 65.00 |
| 11 | Value2 | Variable value for the second interval for the hour in Field 3. If no value exists for the given variable then this field will not be present in the report | Positive and negative numbers | Number(28,8) | | 65.00 |

5.3.4.3 TRAILER RECORD

| # | Field | Definition | Domain | Format | Null? | Example |
|---|--------------|---|--------|---------|-------|---------|
| 1 | Record Type | Indicates the type of record. | 'T' | Char(1) | | T |
| 2 | Record count | Number of records contained in the file including the header and trailer records. | | Number | | 20 |

5.3.5 ENERGY MARKET FINANCIAL PUBLICATION

5.3.5.1 FILE TYPE

The File will be of CSV format, which can be retrieved through the Type 3 communication channel using the following XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="EN_MFR_P_2007-11-01.csv" date="2007-11-01"> </file>
```

5.3.5.2 FILE NAMING CONVENTION

The file is named as: "Market"_MFR_"Type"_ "Settlement Date".csv

Where:

- "Market" – Market abbreviation;
- "Type" – Settlement type code; and
- "Settlement Date" – date in "YYYY-MM-DD"
e.g. EN_MFR_P_2007-11-01.csv.

5.3.6 ENERGY MARKET INFORMATION PUBLICATION

5.3.6.1 FILE TYPE

The File will be in CSV format, which can be retrieved through the Type 3 communication channel using the following XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="EN_MIR_P_2007-11-01.csv" date="2007-11-01"> </file>
```

5.3.6.2 FILE NAMING CONVENTION

The file is named as: "Market"_MIR_"Type"_ "Settlement Date".csv

Where:

- "Market" – Market abbreviation;
- "Type" – Settlement type code; and
- "Settlement Date" – date in "YYYY-MM-DD"
e.g. EN_MIR_P_2007-11-01.csv

5.3.7 METER GENERATION INFORMATION PUBLICATION

5.3.7.1 FILE TYPE

The file will be in CSV format, which can be retrieved through the Type 3 communication channel using the following XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="EN_MGR_P_2007-11-01.csv" date="2007-11-01"> </file>
```

5.3.7.2 FILE NAMING CONVENTION

The file is named as: "Market"_MGR_"Type"_"Settlement Date".csv

Where:

- "Market" – Market abbreviation;
- "Type" – Settlement type code; and
- "Settlement Date" – date in "YYYY-MM-DD"
e.g. EN_MGR_P_2007-11-01.csv

5.3.8 CAPACITY MARKET FINANCIAL PUBLICATION

5.3.8.1 FILE TYPE

The File will be of CSV format, which can be retrieved through the Type 3 communication channel using the following XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="CA_MFR_P_2007-11-01.csv" date="2007-11-01"> </file>
```

5.3.8.2 FILE NAMING CONVENTION

The file is named as: "Market"_MFR_"Type"_"Settlement Date".csv

Where:

- "Market" – Market abbreviation;
- "Type" – Settlement type code; and
- "Settlement Date" – date in "YYYY-MM-DD"
e.g.: CA_MFR_P_2007-11-01.csv

5.3.9 CAPACITY MARKET INFORMATION PUBLICATION

5.3.9.1 FILE TYPE

The File will be of CSV format, which can be retrieved through the Type 3 communication channel using the following XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<file name="CA_MIR_P_2007-11-01.csv" date="2007-11-01"> </file>
```

5.3.9.2 FILE NAMING CONVENTION

The file is named as: "Market"_MIR_"Type"_"Settlement Date".csv

Where:

- "Market" – Market abbreviation;
- "Type" – Settlement type code; and
- "Settlement Date" – date in "YYYY-MM-DD"
e.g.: CA_MIR_P_2007-11-01.csv