

The Single Electricity Market (SEM)

Agreed Procedure 4: Transaction Submission and Validation

Version 28.0

18 August 2023

SEM Agreed Procedure

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| Title | Agreed Procedure 4: Transaction Submission and Validation |
| Version | 28.0 |
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**RELATED DOCUMENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| Document Title | Version | Date | By |
| Trading and Settlement Code | V28.0 | 18/08/2023 | SEMO |
| Agreed Procedure 1 “Participant and Unit Registration and Deregistration” |  |  |  |
| Agreed Procedure 3 “Communication Channel Qualification.” |  |  |  |
| Agreed Procedure 5 “Data Storage and IT Security” |  |  |  |
| Agreed Procedure 7 “Emergency Communications” |  |  |  |
| Agreed Procedure 11 “Market System Operation, Testing, Upgrading and Support” |  |  |  |

1. Introduction
   1. Background and Purpose

This Agreed Procedure sets out the process by which Data Transactions are submitted by Participants (excluding System Operators and Interconnector Administrators) and the process for the issue of Data Transactions by the Market Operator (MO).

It also describes the default rules for the submission and application of Offer Data as referred to throughout the Trading and Settlement Code.

In order to achieve this, the following topics are addressed:

| **Section(s)** | **Description** |
| --- | --- |
| 2.1 | Communication Channels supporting the submission of Data Transactions. |
| 2.2 | Timing and Sequencing of Data Transactions. |
| 2.3 and 3.1 | Rules and processes supporting the submission of Data Transactions. |
| 2.4 | Approval of Data Transactions |
| 2.5 | Data Submission: Market Operator response messages. |
| 2.6 | Default Data rules. |
| 3.2 | Process for Authorisation of Data Transactions containing a change to Banking Details. |

* 1. Scope of Agreed Procedure

This Agreed Procedure is a description of the procedural steps to be followed by the Market Operator and Participants. It forms an annexe to and is governed by the Code. Parties’ rights and obligations are set out in the Code. The scope of this Agreed Procedure is set out in Appendix D of the Code.

This Agreed Procedure is not intended as a technical user guide.

The following topics are out of the scope of this Agreed Procedure:

* Authentication, non-repudiation of any data surrounding the communication of any Data Transaction over a Type 2 Channel or Type 3 Channel (refer to Agreed Procedure 5 “Data Storage and IT Security” for further information).
* Interconnector Administrator Data Transactions;
* System Operator Data Transactions; and
* Type 1 Channel communications.
  1. Definitions

Save as expressly defined, words and expressions defined in the Code shall have the same meanings when used in this Agreed Procedure.

References to particular sections relate internally to this Agreed Procedure unless otherwise specified.

* 1. Compliance with Agreed Procedure

Compliance with this Agreed Procedure is required under the terms set out in the Code.

1. Descriptive Overview

The messages within the scope of this Agreed Procedure are those Data Transactions submitted by the Participants (excluding Interconnector Administrators and System Operators) to the Market Operator and the messages that the Market Operator (MO) submits in response.

* 1. Communication Channels

The Market Operator shall allow communication with the Participants via three distinct Communication Channel types:

* + 1. Type 1 Channel

Manual communication consists of paper-based communications that are mailed, hand-delivered, or faxed to or by the Market Operator.

* + 1. Type 2 Channel

Assisted (human to computer) communication consists of an interface provided by the Market Operator for an end-user to interact with. The current implementation consists of a set of web forms that the end-user can interact with, along with a web form to facilitate interaction via XML request/response files for certain Data Transactions.

For Type 2 Channel communication, Web Forms may be used to:

* upload previously prepared Data Transactions (excluding report requests); or
* enter and submit data directly via specific Web Forms.
  + 1. Type 3 Channel

Automated (computer to computer) communication is currently implemented via Web Services.

Each Participant must designate and qualify for at least one of either Type 2 Channel or Type 3 Channel as described in the Agreed Procedure 3 “Communication Channel Qualification.” All Participants shall be qualified to communicate via the Type 1 Channel.

* 1. Timing/Sequencing of Data Transaction Submissions

Data Transactions received by the Market Operator’s Isolated Market System are generally processed on a first come first served basis. However, to facilitate throughput of Data Transactions, various levels of parallelism and pooling are implemented, which could result in certain scenarios in which this sequencing cannot be guaranteed. Such instances include (without limitation):

* The Isolated Market System operates across multiple Market Operator sites, each with a separate Web Interface system. As each Web Interface operates independently, sequencing of Data Transactions submitted concurrently will depend on the processing of each Data Transaction by the respective Web Interface.
* As Data Transactions covering the same data may be submitted via multiple communication channels at the same time, sequencing will depend on the processing of such Data Transactions by the Isolated Market System.

As a result of these scenarios where sequencing cannot be guaranteed, any specific Participant requirement around sequencing will need to be enforced by appropriate business and/or system processes implemented by the Participant. For example:

* A Market Participant wishing to use only the Type 3 Channel for a single user and login identifier could configure their systems such that each Data Transaction is submitted in sequence, with a Market Operator response required prior to submitting a subsequent Data Transaction.
  1. Submission of Participant Data Transactions
     1. Key Participant Activities

Each Participant may perform any of the following activities:

* Data submission;
* Query of System Data and
* Report query.
  + 1. Data Transaction Classes and Elements

Table 1 specifies each Class of Data Transaction covered under this Agreed Procedure and each constituent Element (with the components of each element being detailed in Appendix 2). Where a Participant submits Data Transactions via the Type 3 Channel, one or many Elements and/or one or many occurrences of these Elements may be included in the same Data Transaction, as per the sequence defined in Table 1. No Data Transaction may contain Elements from different Data Transaction classes. Additional restrictions are as follows:

1. Only one Settlement Reallocation Data Element may be included within any individual Data Transaction.
2. In the case of Settlement Report Data Transactions, a Participant shall be able to request a report (Settlement Statements, Invoices, etc.) or request a list of all available reports (a directory listing).

**Table 1: Class and Element Mapping with Participant Activities**

| **Class** | **Element** | **Element sequence within Class \*** | **Relevant for Data Submission?** | **Relevant for query of System Data?** | **Relevant for Report Query?** |
| --- | --- | --- | --- | --- | --- |
| MPR | Application Data | 1 | Yes | Yes |  |
| MPR | Users Data | 2 | Yes | Yes |  |
| MPR | Contacts Data | 3 | Yes | Yes |  |
| MPR | Bank Data | 4 | Yes | Yes |  |
| MPR | Generator Parameters | 5 | Yes | Yes |  |
| MPR | Load Parameters | 6 | Yes | Yes |  |
|  |  |  |  |  |  |
| MI | Generator Offer Data | 1 | Yes | Yes |  |
| MI | Generator Technical Offer Data | 2 | Yes | Yes |  |
| MI | Demand Offer Data | 3 | Yes | Yes |  |
| MI | Demand Technical Offer Data | 4 | Yes | Yes |  |
| MI | Validation Technical Offer Data Choice | 5 | Yes | Yes |  |
| MI | Settlement Reallocation Data | 6 | Yes | Yes |  |
| MI | Interconnector Offer Data | 7 | Yes | Yes |  |
| MI | MI Reports |  |  |  | Yes |
|  |  |  |  |  |  |
| STL | Settlement Statements |  |  |  | Yes |
| STL | Participant Information Report |  |  |  | Yes |
| STL | Settlement Reallocation |  |  |  | Yes |
| STL | Invoicing Data |  |  |  | Yes |

*\* Where submitted within a single message*

Further information on the data that makes up each of these Elements can be found in Appendix 2 of this Agreed Procedure.

* + 1. Data Transaction Identifiers

Data Transaction identifiers may be submitted by Participants as part of messages that contain Data Transactions, in accordance with the following:

1. **Data submission** - When submitting Data Transactions containing Elements which belong to the “MI” Class (with the exception of MI Report requests), a Participant may include an External ID which, if received by the Market Operator’s Isolated Market System shall be included within the response message.
2. **Query of System Data** - When making a query of System Data, a Participant may not include an External ID as part of the associated message. Where an External ID has been stored as the result of an Accepted Data Transaction, the Market Operator shall include such External ID in the response message to a query.
   * 1. Data Transaction Validation

Upon submission of a Data Transaction by a Sending Party, the Central Market System shall perform high level validations to ensure that:

1. The submitted message containing the Data Transaction is correctly formatted;
2. The Sending Party is authorised to submit the Data Transaction (including Digital Signature);
3. The Data Transaction is submitted within the required timeframes (as summarised in section 2.3.5); and
4. All required data are present.

Further details on the rules governing the format, content and validation of Data Transactions and response messages are available in the Interface Documentation Set.

* + 1. Data Transactions: submission timescales

The timescales within which Data Transactions can be submitted differ by Data Transaction, where the start and end times are as defined in Table 2.

**Table 2: Submission Windows**

|  |  |  |
| --- | --- | --- |
| **Submission Window** | **Start Time** | **End Time** |
| EA1 Gate Window | 06:00, 29 days prior to the Trading Day. | 09:30 on the day prior to the Trading Day |
| EA2 Gate Window | 09:30 on the day prior to the Trading Day | 11:30 on the day prior to the Trading Day |
| WD1 Gate Window | 11:30 on the day prior to the Trading Day | 08:00 on the Trading Day |
| System Data retrieval window | Once Accepted | No end time, although subject to data availability |
| Settlement Reallocation window | 06:00, 29 days prior to the Trading Day. | 10:00 on the day prior to the Invoice Day |
| Standing Data window | At any time, following Effective Date of Generator Unit | At any time, following Effective Date of Generator Unit |

Table 3 describes the submission windows applicable to various Data Transactions.

**Table 3: Data Submission Timescales**

| **Data Transaction** | **Permitted Submission Window(s)** |
| --- | --- |
| Commercial Offer Data – Default Data  Commercial Offer Data – Normal Submission  Technical Offer Data – Default Data  Technical Offer Data – Normal Submission of non-Validation Technical Offer Data elements that are not Forecast Availability, Minimum Stable Generation and Minimum Output  Technical Offer Data – Forecast Availability, Minimum Stable Generation and Minimum Output  Registration Data / Validation Registration Data  Technical Offer Data – Validation Technical Offer Data Set Selection | EA1 Gate Window |
| Commercial Offer Data – Normal Submission  Technical Offer Data – Forecast Availability, Minimum Stable Generation and Minimum Output  Technical Offer Data – Validation Technical Offer Data Set Selection | EA2 Gate Window |
| Commercial Offer Data – Normal Submission  Technical Offer Data – Forecast Availability, Minimum Stable Generation and Minimum Output | WD1 Gate Window |
| Settlement Reallocation | Settlement Reallocation window |
| Query of System Data | System Data retrieval window |
| Commercial Offer Data – Standing Data  Technical Offer Data – Standing Data | Standing Data window |

* 1. Approval of Data Transactions

This section describes the timelines associated with the approval of different Data Transactions and their Elements. Various Data Transactions contain Elements which require more time than others for Market Operator approval (including System Operator approval as appropriate). These are described in Table 4. The Procedural Steps and Swimlane for cancellation of a Unit Under Test for the EA1 run in D-1 are set out in 2.4.1 and 2.4.2

**Table 4: Data Transaction Approval Requirements**

| **Class** | **Element** | **Approval Requirements** |
| --- | --- | --- |
| MPR | Application Data | Approval of the Application Data Element as part of the MPR Class is initially performed by the Market Operator during Participant Registration using the Type 1 Channel. (It forms part of the Unit Data spreadsheet in the Registration Pack). Once submitted, this Element has an approval lead time of up to two Working Days from the date of submission.  All subsequent updates are submitted by the relevant Participant via either Type 2 or Type 3 Channels. |
| MPR | Users Data | Approval of the Users Data Element as part of the MPR Class is initially performed by the Market Operator during Participant Registration using the Type 1 Channel. (It forms part of the Unit Data spreadsheet in the Registration Pack).  Once submitted, this Element has an approval lead time of up to two Working Days from the date of submission.  All subsequent updates are submitted by the relevant Participant via either Type 2 or Type 3 Channels. |
| MPR | Contacts Data | Approval of the Contacts Data Element as part of the MPR Class is initially performed by the Market Operator during Participant Registration using the Type 1 Channel. (It forms part of the Unit Data spreadsheet in the Registration Pack). Once submitted, this Element has an approval lead time of up to two Working Days from the date of submission.  All subsequent updates are submitted by the relevant Participant via either Type 2 or Type 3 Channels. |
| MPR | Bank Data | Approval of the Bank element as part of the MPR Class is initially performed by the Market Operator during Participant Registration using the Type 1 Channel. In particular, initial Authorised signatories will be notified to the Market Operator during Participant Registration and will be confirmed in hard copy format in accordance with the format as specified in Appendix 4 of this document.  All subsequent updates are submitted by the relevant Participant via either Type 2 or Type 3 Channels, with an approval lead time of up to two Working Days from the date of submission. Once updates are submitted, the Market Operator will confirm the authorisation of changes with the Participant in accordance with the process as set out in section 3.2, including via hard copy format exchanged in accordance with the format as specified in Appendix 4 of this document. |
| MPR | Generator Parameters / Load Parameters | Approval of the Element data items is initially performed by the Market Operator during Participant Registration using the Type 1 Channel. All subsequent updates are via the Type 2 Channel or Type 3 Channel, with specific approval provisions as detailed below.  All Data Itemscan be submitted anytime before EA1 Gate Window Closure with an Effective Date of the next Trading Day with the following exceptions:  **Maximum Generation (Registered Capacity)**  Where an update to Maximum Generation (Registered Capacity) for an Aggregated Generator Unit has arisen from a change in the number of individual Generation Sites associated with the Aggregated Generator Unit in question, the process set out in Section 2.6 of Agreed Procedure 1 “Participant and Unit Registration and Deregistration” shall apply before the relevant Technical Offer Data Transaction is altered.  **Qualified Communication Channel**  Approval time of at least one Working Day from the date of submission.  **Unit Under Test Start Date**  Effective Date at least 5 Working Days from date of submission  **Unit Under Test End Date**  Effective date at least 2 Working Days from date of submission  **Priority Dispatch Flag**  Effective Date at least 28 days from date of submission. |
| MPR | Query of System Data | May be submitted at any time, with no Market Operator approval. The data returned is that which is available and valid for the date queried, for Class values as follows:   * Application Data * Users Data * Bank Data * Contacts Data * Unit (Resource) Data |
| MI | Generator Offer Data  Demand Offer Data | Approval of the Element data items is initially performed by the Market Operator during Unit Registration using the Type 1 Channel as part of the registration of Default Data / Standing Offer Data.  All subsequent updates are via the Type 2 Channel or Type 3 Channel, with no additional Market Operator approval timescales. Section 2.6 describes the rules in respect of Default Data / Standing Offer Data. |
| MI | VDS Selection  Generator Unit: Technical Offer Data  Demand Side Unit: Technical Offer Data | For the Ex-Ante One MSP Software Run:  Up to 09:20 on the Day prior to the start of the Trading Day the Participant may select an Approved Validation Data Set.  For the Ex-Ante Two MSP Software Run:  Up to 11:20 on the Day prior to the start of the Trading Day the Participant may select an Approved Validation Data Set. |
| MI | VDS Update  Generator Unit: Technical Offer Data  Demand Side Unit: Technical Offer Data | SO Approval time up to 10 Working Days from date of submission.  MO Approval time up to 1 Working Day following notification of SO response. |
| MI | Settlement Reallocation Data | Up to 1 Working Day before Invoice date. There is no registration data related to Settlement Reallocation |
| MI | Interconnector Offer Data | May be submitted at any time prior to the relevant Gate Window Closure without any additional approval by the Market Operator. |
| MI | MI Report Query | May be submitted at any time, with no Market Operator approval. Each MI Report query is limited to:   * one month in the past for daily and weekly reports; and * two years in the past for monthly and annual reports. |
| MI | Query of System Data | May be submitted at any time, with no Market Operator approval. The data returned is different for each Class value, as follows:   * Generator Offer Data – query limited to one month of data in the past. * Demand Offer Data (for Demand Side Units) - query limited to one month of data in the past. * Interconnector Offer Data - query limited to one month of data in the past. * Settlement Reallocation Data query limited to two years of data in the past. |
|  |  |  |
| STL | Settlement Report Query | May be submitted at any time, with no Market Operator approval. Each Settlement Report query is limited to:   * one month in the past for daily and weekly reports; and * two years in the past for monthly and annual reports. |

* + 1. **Procedural Steps**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Procedural Step | Timing | Method | By/From | To |
|  | **Cancellation of Unit Under Test for EA1 run in D-1** |  |  |  |  |
| 1.1 | Start of process  To request to cancel Unit Under Test email:   * [TestRequest@sem-o.com](mailto:TestRequest@sem-o.com) * [GridOpsDBE@Eirgrid.com](mailto:GridOpsDBE@Eirgrid.com) | Before 7.30 | E-mail | Participant | Market Operator and System Operator |
| 1.2 | Change the status in the MPI to cancel the Unit Under Test. | Before 7.30 | Update MPI | Participant | - |
| 1.3 | If approving the cancellation of the Unit Under Test UUT in the MOI. Set MO Status to ‘Approved’. Go to 1.5  If rejecting the cancellation of the Unit Under Test UUT in the MOI. Go to 1.4 | Before 8.00 | Update MOI | Market Operator | - |
| 1.4 | Deny change of status on the MO Status and e-mail Participant stating request has been rejected. End of process. | Before 8.00 | Update MOI  E-mail | Market Operator | Participant |
| 1.5 | Email Participant stating the request has been accepted and requesting them to submit Commercial Offer Data in the MPI. | Before 8.00 | E-mail | Market Operator | Participant |
| 1.6 | Participant submits new Commercial Offer Data in the MPI. Go to 1.7.  If the Participant does not submit new Commercial Offer Data in the MPI. Go to 1.8. | Before 9.30 | Update MPI | Participant | - |
| 1.7 | SEMO use new submitted Commercial Offer Data in the EA1 run. | EA1 run at 9.30 | Update MOI | Market Operator | - |
| 1.8 | SEMO use standing Commercial Offer Data in the EA1 run. | EA1 run at 9.30 | - | Market Operator | - |
| 1.9 | To confirm that cancellation of a Unit Under Test is approved e-mail:   * [neartime@eirgrid.com](mailto:neartime@eirgrid.com) * [GridOpsDBE@Eirgrid.com](mailto:GridOpsDBE@Eirgrid.com)   End of process | Before 12.00 | E-mail | Market Operator | System Operator |

**2.4.2 Swimlane**

The swimlane is provided as an illustration of the Procedural Steps. The Procedural Steps take precedence, in the event of conflict between the swimlane and the Procedural Steps.



* 1. Data Submission : MARKET OPERATOR Response Messages

For all Type 3 Channel communications and for all Type 2 Channel communications that involve uploading an xml file to the Market Operator, the Sending Party shall receive a response message from the Market Operator’s Isolated Market System detailed in Table 5 below.

For Type 2 Channel submissions using Web Forms the responses will be displayed on the screen.

**Table 5: Data Transaction Market Operator Response Messages**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class** | **Request** | **Response if Valid** | **Response if Invalid** |
| MI (not MI Reports) | Submit | Original Data , Processing Statistics and Messages | Original Data , Processing Statistics and Messages |
| MI (not MI Reports) | Query | Original Data , Processing Statistics and Messages | Original Data , Processing Statistics and Messages |
| MPR | Submit | Original Data , Processing Statistics and Messages | Original Data , Processing Statistics and Messages |
| MPR | Query | Original Data and Messages | Original Data and Messages |
| MI Report | List Reports | Original Data and Messages | Original Data and Messages |
| MI Report | Report | Report | Original Data and Messages |
| STL | List Reports | File List | Empty List |
| STL | Report | File | 1. Requested File not found 2. Invalid Filename 3. XML request not well formed 4. There was an error processing the request 5. Invalid request type |

Each response message shall include the Confirmation Notice for the Data Transaction and the Validation Notice/Rejection Notice for each element within the Data Transaction. Such response message shall be automatically submitted by the Market Operator when a Data Transaction is received. If an expected response message is not received within an acceptable timeframe, the affected Participant shall check its internet connection and systems and contact the Help Desk. In the event that such check does not resolve the issue, Agreed Procedure 7, “Emergency Communications” provides details of emergency communications and the associated notification processes.

* 1. Default Data Rules
     1. Introduction

Default Data comprises Technical Offer Data (**TOD**) and Commercial Offer Data (**COD**), which are categories of Offer Data as set out in the Code.

Default rules for TOD and COD apply for Generator Units, unless otherwise specified in the Code, in order to ensure that valid TOD or COD will be available at Gate Window Closure. Default Data comprises various data items of Commercial Offer Data, Technical Offer Data and Registration Data.

* + 1. Registration Default Data

Registration Default Data refers to business data, in the Generator Parameters or Load Parameters Element (as detailed in Business Data Contained in Each Element). It is not anticipated that Registration Default TOD will change on a regular basis and is considered similar to static data.

**Initial Submissions of Registration Default Data at Unit Registration**

Registration Default Data must be submitted during Unit Registration. Once approved by the Market Operator, this Registration Default Data will apply from the first Trading Day of participation in respect of the Unit and will be effective indefinitely, until updates are submitted and approved.

In respect of Technical Offer Data, the following will be submitted as part of Unit Registration:

* a set choice via the Validation Data Sets web page (Validation Technical Offer Data).
* Registration TOD via the Standing Offer Data channel.

**Submissions of Updates to Registration Default Data**

Registration Default Data can be updated by a Participant at any time, by submitting new Registration Default Data (comprising the Generator Parameters Element or Load Parameters Element). Once approved, the Registration Default Data will be applicable from an ‘Effective From’ date as specified in the Data Transaction.

All COD, including Default Data, will be submitted via the Standing Offer Data and Offer Data channels. There will be two subsets of TOD submitted, a set choice via the Validation Data Sets web page (Validation Technical Offer Data) and additional TOD via the Standing Offer Data and Offer Data channels.

* + 1. Standing Offer Data

Standing Offer Data comprises Generator Offer Data and Demand Offer Data Elements (as detailed in APPENDIX 2: Business Data Contained in Each Element). Standing Offer Data is comprised of both Commercial Offer Data and Technical Offer Data items, and is utilised as Starting Gate Window Data in respect of the Ex Ante One MSP Software Run to ensure that there is always valid Offer Data available for a Generator Unit (as described in section 2.6.5).

Standing Offer Data has a Day Type Parameter which defines generic calendar days for which the registered data will apply. The Day Type Parameter in respect of Standing Data may have one of the values SUN, MON, TUE, WED, THU, FRI, SAT or ALL. Each Generator Unit must have a Standing Offer Data set of type “ALL”. It is optional to submit Standing Offer Data sets with one or more of the other Day Type Parameter values.

1. Where the Day Type Parameter has value “ALL”, the corresponding Standing Data shall:
   1. apply to any date where Standing Offer Data does not have a Day Type Parameter that is set to “ALL”; and
   2. have no Expiry Date.
2. Where the Day Type Parameter does not have value “ALL”, the corresponding data may have an optional associated Expiry Date which shall be defined by the Participant upon submission.
   1. If no Expiry Date is associated with the Standing Data set, the values shall be used indefinitely by the Market Operator for the relevant calendar day which corresponds with the Day Type Parameter value.
   2. Following the Expiry Date for a given set of Standing Data with a particular Day Type Parameter value, the Market Operator shall not utilise the data as Default Data for the associated Generator Unit.

Standing Offer Data is initially created as part of the Unit Registration process and may be updated following Communication Channel Qualification (i.e. when access to the Central Market Systems is granted to a Participant by the Market Operator).

The earliest effective date for a Standing Offer Data submission is Current Day + 29 days. In the event that Data Conversion (i.e. changing Standing Offer Data to Commercial Offer Data and Technical Offer Data at the relevant Submission Window opening) fails, the Market Operator shall contact the Participant to add Commercial Offer Data and Technical Offer Data and update Standing Offer Data if appropriate, with an aim to resolve the situation within 5 Working Days.

* + 1. Submission of Standing Offer Data, Commercial and Technical Offer Data

Standing Offer Data and /or Commercial and Technical Offer Data must be submitted by Participants using the relevant designated Communication Channels.

1. As part of the initial registration (as described in Agreed Procedure 1 “Participant and Unit Registration and Deregistration”), the Market Operator will enter Standing Offer Data and/or Commercial and Technical Offer Data on behalf of all Participants.
2. Where emergency communications are required (process in Agreed Procedure 7 “Emergency Communication”), the Market Operator will enter Standing Offer Data and/or Commercial and Technical Offer Data on behalf of any affected Participant.
3. In all other circumstances, the Market Operator shall not enter Standing Offer Data or Commercial and Technical Offer Data on behalf of Participants. If a Participant fails to submit Offer Data for a particular Trading Day then Starting Gate Window Data shall be used as outlined in Section 2.6.5.
   * 1. Starting Gate Window Data

For each Gate Window, the Starting Gate Window Data shall be defined as in Table 6 and shall be the Default Data in respect of the Gate Window in the event that no Data Transactions including the required data items are Accepted within the associated Gate Window.

**Table 6: Starting Gate Window Data**

|  |  |
| --- | --- |
| **Gate Window** | **Starting Gate Window Data** |
| EA1 | * Commercial and Technical Data if Accepted within the EA1 Gate Window; or * Standing Offer Data with Day Type Parameter corresponding to the relevant Trading Day, if such data is registered; or * Standing Offer Data with Day Type Parameter “ALL”. |
| EA2 | * Commercial and Technical Data if Accepted within the EA2 Gate Window; or * Accepted data as at the EA1 Gate Window Closure. |
| WD1 | * Commercial and Technical Data if Accepted within the WD1 Gate Window; or * Accepted data as at the EA2 Gate Window Closure. |

* + 1. Validation Technical Offer Data
       1. Submission of Validation Data Sets

Participants may create up to six Validation Data Sets (VDS) via the MPI. The VDS designated number “one” is designated the "Default" set. Participants may submit each of the six Validation Data Sets via the MPI "Validation Data Sets" web page. Upon receipt of a new Validation Data Set, the Market Operator will forward the set to the System Operator (SO) for approval. If approval is received, the Market Operator shall approve each of the Validation Data Sets through the MOI displays. Thereafter, the Validation Data Sets will be identified using its VDS set number.

* + - 1. Choice of Validation Data Sets for a Gate Window

In submitting a Validation Data Set selection to a particular Gate Window, Participants may submit three values: a Trading Day, Validation Data Set Number designating the VDS selected for that respective Trading Day and an identifier of the Gate Window to which the Validation Data Set selection relates. This data will be submitted via the Validation Data Sets web page or via Type 3 communication.

This data will be accepted up to 10 minutes prior to Gate Window Closure, for the EA1 and EA2 Gate Windows only. Following 10 minutes prior to the relevant Gate Window Closure, Participants will be blocked from making any further choice of Validation Data Set data for that Gate Window. In the event that a Participant does not make an explicit VDS number choice for a given Gate Window, the Default Data shall apply.

Participants may upload each of the Validation Data Sets via file upload in the browser as well as via programmatic communication.

* + - 1. Change of Validation Data Set:

If a Participant wishes to change the data elements of one of its six Validation Data Sets, it may do so using the “Submission of Validation Data Sets” process above. The approval time for this submission is outlined in Table 4 of this Agreed Procedure, “Data Transaction Approval Requirements”.

**Initial set-up of 6 Validation Data Sets**



**Daily Choice of Validation Data Sets**



**Validation Data Set Update**



1. Procedure Definition
   1. Process for Data Submission, Query and Report Request

Table 7 details the process by which Data Transactions are submitted via Type 2 Channel or Type 3 Channel by a Participant. The process also describes the actions required by the Market Operator (including via its Isolated Market System) to receive Data Transactions submitted by Participants via Type 2 and Type 3 Channels.

**Table 7: Participant Data Transaction Submission Process**

| **Step** | **Market Operator Action** | **Participant Action** |
| --- | --- | --- |
| Step 1 |  | Participant system establishes a connection with the Market Operator’s Isolated Market System. |
| Step 2 |  | Participant system selects the required Data Transaction and submits it using the established connection. |
| Step 3 | Market Operator’s Isolated Market System returns a response message over the established connection. |  |
| Step 4 |  | Participant system receives the response message over the established connection. |
| Step 5 | If the response message indicates that there is no error in any Element of a Data Transaction, this confirms that the submitted Data Transaction and all of the relevant Elements of the Data Transaction have been stored in the Market Operator’s Isolated Market System. |  |
| Step 6 | If the response message indicates that there is an error in a Data Transaction for a given Element, this particular Data Transaction shall be rejected. Any other Data Transactions included within the same message which have no errors shall be deemed successful and shall be stored in the Market Operator’s Isolated Market System. | If the response message indicates that there is an error in a Data Transaction for a given Element, the Participant shall, as required, submit a new Data Transaction. |
| Step 7 |  | If no response is received, the Participant shall act in accordance with paragraph 3.33 of the Code. |

* 1. Process for Authorisation to change banking Details

Table 8 details the process by which authorisation is carried out by a Participant in respect of its banking details. This process includes a number of steps which shall be carried out via Type 1 Channel communication, but may be instigated by submission by a Participant of a Data Transaction containing new or updated banking details via a Type 2 Channel or Type 3 Channel.

**Table 8: Authorisation to change Banking Details**

| **Step** | **Market Operator Action** | **Participant Action** |
| --- | --- | --- |
| Step 1 |  | MP sends in revised banking details using Type 2 or Type 3 channel |
| Step 2 | MO faxes the proposed revised banking details, to the fax number specified in the Appendix 4 document, for authorisation to MP using Type 1 channel (template fax in Appendix 3) |  |
| Step 3 |  | MP verifies that banking details on fax match revised banking details by adding A and B signatures of authorised personnel and submits this document in its original form to MO by registered post. |
| Step 4 | MO verifies that signatures on fax (returned by registered post) match their copy of authorised signatures  (hardcopy of template in Appendix 4) |  |
| Step 5 | MO faxes or emails MP (as specified on Appendix 4) to confirm Banking details have been verified and will be changed on the effective date provided in the banking details. |  |
| Step 6 | MO changes Banking details within 5 working days of the banking details being verified. With effect from the effective date provided in the banking detail changes. |  |
| Step 7 |  | If MP wants to change Authorised signatories then they must re-submit the details with the form shown in Appendix 4 by submitting it in its original form by registered post. |

1. Definitions and Abbreviations

Definitions

|  |  |
| --- | --- |
| **Aggregated Generator Unit** | As defined in the Code |
| **Application Data** | Means data relating to the Party or Participant registrant |
| **Autonomous Generator Unit** | As defined in the Code |
| **Bank Data** | Means data relating to banking details first submitted at Party registration |
| **Billing Period** | As defined in the Code |
| **Capacity Period** | As defined in the Code |
| **Class** | Means a classification of data submitted by Participants in Data Transactions as contained within a single message. |
| **Code** | As defined in the Code |
| **Commercial Offer Data (COD)** | As defined in the Code |
| **Communication Channel** | As defined in the Code |
| **Connection Agreement** | As defined in the Code |
| **Contacts Data** | Means data relating to Party contact for certain functions as submitted by the Party |
| **Credited Participant** | As defined in the Code |
| **Data Transaction** | As defined in the Code |
| **Day Type Parameter** | Means a parameter which is associated with Standing Data, which specifies whether that Standing Data applies generically to a calendar day. |
| **Debited Participant** | As defined in the Code |
| **Default Data** | As defined in the Code |
| **Demand** | As defined in the Code |
| **Demand Side Unit** | As defined in the Code |
| **Digital Certificate** | As defined in Agreed Procedure 5 “Data Storage and IT Security” |
| **Element** | A set of business data submitted as part of a Class of Data Transaction, as detailed in section 2.3.2. |
| **Energy Limit** | As defined in the Code |
| **Energy Limited Generator Unit** | As defined in the Code |
| **External ID** | For submission of Data Transactions, the schema will allow the Participant to provide an optional Data Transaction ID, called External ID |
| **Framework Agreement** | As defined in the Code |
| **Gate Window Closure** | As defined in the Code |
| **Generator** | As defined in the Code |
| **Generator Unit** | As defined in the Code |
| **Help Desk** | As defined in Agreed Procedure 11 “Market System Operation, Testing, Upgrading and Support” |
| **Interconnector Administrator** | As defined in the Code |
| **Interface Documentation Set** | A set of documentation prepared by the Market Operator which describes the Participant interfaces to the Central Market Systems. This documentation shall include detail of the required content of Type 2 and Type 3 Data Transactions submitted by Participants, validations undertaken and the content of response messages. |
| **Invoice Due Date** | As defined in the Code |
| **Isolated Market System** | As defined in the Code |
| **Demand Offer Data** | Unit bid data provided by a Participant |
| **Market Interface** | Data Transactions that cover market related data submitted by Participants |
| **Market Operator** | As defined in the Code |
| **Market Participant Registration** | Data Transactions that cover additional Technical Offer Data not included in the Market Interface class |
| **Market Timeline** | A period of time at which certain actions are taken or recorded that begins when at Unit Registration and ends at Trading Day |
| **Market Web Interface** | The mechanism through which Participants can send and receive Data Transactions through Type 2 Channel communication |
| **Market Website** | As defined in the Code |
| **Offer Data** | As defined in the Code |
| **Participant Registration** | Means the process of becoming a Participant in respect of a Unit as described in Agreed Procedure 1 "Participant Registration and Unit Registration and Deregistration" |
| **Party** | As defined in the Code |
| **Predictable Price Maker Generator Unit** | As defined in the Code |
| **Predictable Price Taker Generator Unit** | As defined in the Code |
| **Price Taker Generator Unit** | As defined in the Code |
| **Priority Flag** | As defined in the Code |
| **Registered Capacity** | As defined in the Code |
| **Regulatory Authorities** | As defined in the Code |
| **Generic Settlement Class** | As defined in the Code |
| **Settlement Reallocation** | As defined in the Code |
| **Settlement Reallocation Data** | Means the data that is submitted by Participants to the Market Operator providing details of the Settlement Reallocation Agreement |
| **Settlement Report** | Means reports arising from Settlement |
| **Standing Offer Data** | Is as defined in section 2.6.3 |
| **Standing Offer Data Conversion** | Means the process of converting Standing Offer Data to Offer Data at the opening of the Market Submission Window |
| **Starting Gate Window Data** | As defined in the Code |
| **Submission Window** | A time period within which a Data Transaction may be submitted by a Participant |
| **Supplier** | As defined in the Code |
| **System Data** | means the data stored in respect of a Party, Participant or Unit in the Market Operator’s Isolated Market System. |
| **Technical Offer Data (TOD)** | As defined in the Code |
| **Trading Day** | As defined in the Code |
| **Trading Period** | As defined in the Code |
| **Trading Site** | As defined in the Code |
| **Trading Site Data** | Means data relating to a Trading Site |
| **Type 1 Channel** | As defined in the Code |
| **Type 2 Channel** | As defined in the Code |
| **Type 3 Channel** | As defined in the Code |
| **Unit** | As defined in the Code |
| **Unit (Resource) Data** | Means data relating to a Unit |
| **Unit Registration** | As defined in the Code |
| **User** | As defined in Agreed Procedure 1 "Participant Registration and Unit Registration and Deregistration" |
| **Users Data** | Means data relating to Participant User that has access to elements of the system |
| **Validation Technical Offer Data (VTOD)** | As defined in the Code |
| **Variable Price Maker Generator Unit** | As defined in the Code |
| **Variable Price Taker Generator Unit** | As defined in the Code |
| **Web Form** | Means a web page on the MPI which allows the Participant to enter data and submit the data to the Market Operator. |
| **Web Services** | Means the automated communication consisting of an XML-based programmatic interface |
| **Working Day** | As defined in the Code |

Abbreviations

|  |  |
| --- | --- |
| **APTG** | Autonomous Generator Unit |
| **COD** | Commercial Offer Data |
| **GWC** | Gate Window Closure |
| **MO** | Market Operator |
| **MPR** | Market Participant Registration |
| **PPMG** | Predictable Price Maker Generator Unit |
| **PPTG** | Predictable Price Taker Generator Unit |
| **RD** | Registration Data |
| **SEM** | Single Electricity Market |
| **SO** | System Operator |
| **TD** | Trading Day |
| **TOD** | Technical Offer Data |
| **VPMG** | Variable Price Maker Generator Unit |
| **VPTG** | Variable Price Taker Generator Unit |

1. Business Data Contained in Each Element

This appendix describes the business data contained in each category of data. Any additional information needed to build associated messages for submission is contained in the Interface Documentation Set. The data categories in Table 9 are as follows:

* Commercial Offer Data (COD)
* Registration Data (RD)
* Technical Offer Data (TOD)
* Validation Registration Data (VRD)
* Validation Technical Offer Data (VTOD)

**Table 9: Business Data per Element**

| **Class / Element** | **Screen Name** | **Comment** | **Data Category** |
| --- | --- | --- | --- |
| MPR / Application Data | Name | Corporate name of the Participant | RD |
|  | Short Name or Participant Name | Participant Short Name – will be used as the Participant Name in all Data Transactions | RD |
|  | President Name | Person authorised to sign Framework Agreement | RD |
|  | Effective Date | Effective Date (from) for the Participant | RD |
|  | Expiry Date | Expiry Date (to) for the Participant | RD |
|  | Address 1 | Party Address | RD |
|  | Address 2 | Party Address (following) | RD |
|  | City | Party City | RD |
|  | County | Party County | RD |
|  | Postal Code | Party Postal Code | RD |
|  | Billing Address 1 | Address to which all invoices for the Participant will be sent | RD |
|  | Billing Address 2 | Address to which all invoices for the Participant will be sent | RD |
|  | Billing City | City to which all invoices for the Participant will be sent | RD |
|  | Billing County | County to which all invoices for the Participant will be sent | RD |
|  | Billing Postal Code | Postal code to which invoices for the Participant will be sent | RD |
|  | Country | Party Country | RD |
|  | Phone | Party Phone | RD |
|  | Fax | Party Fax | RD |
|  | Email | Party Email | RD |
|  | URL | Party URL | RD |
|  | Represent Party | Name of the Party represented by the registering Participant | RD |
|  | VAT jurisdiction | Place of establishment for VAT purposes: IE, UK, Other EU, Non-EU | RD |
|  | VAT number | VAT identification number (VATIN) | RD |
|  | VAT Status | VAT Exempt (1) or Non-Exempt (0), for each jurisdiction | RD |
|  | Notification Comment | Used by the Market Operator and Participant to exchange notes with respect to that registration data | RD |
|  | Was Participant Flag | Was Previously a Participant? {'Y'/'N'} | RD |
|  | Old Market Participant Name | Old Business Associate ID | RD |
|  | Old Market Participant Name Registration Date | Old Registration Date | RD |
|  | Account Manager | Name of MO personnel who will manage the Participant’s account | RD |
|  | Market Participant Signatures of Agreement | Tracking of Participant signatures on Framework Agreement to Trading and Settlement Code, Transmission Use of System Agreement (TUoS) | RD |
|  | Amount of Initial Credit Cover | Amount of initial Credit Cover required at registration. | RD |
|  | Credit Cover Type | Type of Credit cover, whether Cash or Letter of Credit | RD |
|  | Data Exchange Test | Will be P (Pass) or F (Fail), depending on whether Market Operator data exchange testing is successful | RD |
|  | Interconnector User | Yes or No | RD |
|  | Participant Class | Type of Participant | VRD |
|  | External ID | Optional text field that can be used to track submissions by Market Participants |  |
|  | Code Participant Name | An identifier of the Participant, as registered in accordance with the Code | RD |
| MPR / Users | Login | Unique User Login ID |  |
|  | Name | Name of user within organisation (multiple users may be entered) |  |
|  | Address 1 | User Address 1 |  |
|  | Address 2 | User Address 2 |  |
|  | City | User City |  |
|  | County | User County |  |
|  | Postal Code | User Postal Code |  |
|  | Country | User Country |  |
|  | Phone | User Phone Number |  |
|  | Fax | User Fax Number |  |
|  | Email | User Email ID |  |
|  | Mobile | User Mobile Phone ID |  |
|  | Pager | User Pager ID |  |
|  | URL | User URL |  |
|  | Notification Comment | Used by the operator and Participant to exchange notes with respect to that registration data. |  |
|  | Effective Date | User Effective Date |  |
|  | Expiry Date | User Expiration Date |  |
|  | Position | User Person Position |  |
|  | User Type | Selection of pre-defined roles with corresponding market system access information by functional area, including read-write, read-only, and administrative access, as required. |  |
|  | Data Exchange Test | Will be P (Pass) or F (Fail), depending on whether Market Operator data exchange testing is successful. |  |
|  | Comments | Comments |  |
|  | External ID | Optional text field that can be used to track submissions by Market Participants. |  |
| MPR / Contacts Data | Name | Contact name for settlement related business or Primary contact for market scheduling related business or Contact name for financial business functions, including credit cover or Contact name for other functional areas |  |
|  | Address 1 | Contact address 1 |  |
|  | Address 2 | Contact address 2 |  |
|  | City | Contact City |  |
|  | County | Contact County |  |
|  | Postal Code | Contact Postal Code |  |
|  | Country | Contact Country |  |
|  | Phone | Contact Phone number |  |
|  | Fax | Contact Fax number |  |
|  | Email | Contact Email |  |
|  | Mobile | Mobile Phone Number |  |
|  | Pager | Contact Pager Number |  |
|  | URL | Contact URL |  |
|  | Notification Comment | Used by the operator and Participant to exchange notes with respect to that registration data. |  |
|  | Effective Date | Contact Effective Date |  |
|  | Expiry Date | Contact Expiry Date |  |
|  | Position | Contact Person Position |  |
|  | Contact Type | Type of Transaction Contact |  |
|  | Comments | Comments on contact |  |
|  | External ID | Optional text field that can be used to track submissions by Market Participants |  |
| MPR / Bank Data | Bank Name | Name of the bank for the Market Participant | RD |
|  | Bank Number | Bank number for the Market Participant. | RD |
|  | Bank Account Name | Bank account name for the Market Participant. | RD |
|  | Account Number | Bank account number for the Market Participant. | RD |
|  | Bank Account Description | Bank account description for the Market Participant. | RD |
|  | Bank Branch Type | Bank branch type for the Market Participant. | RD |
|  | Bank Branch Name | Bank branch name for the Market Participant | RD |
|  | Bank Branch Number of Sort Code | Bank branch number for the Market Participant. | RD |
|  | Bank Branch Description | Bank branch description for the Market Participant. | RD |
|  | Bank Branch Address line 1 | Address field for the bank branch. | RD |
|  | Bank Branch Address line 2 | Further address field for the bank branch. | RD |
|  | Bank Branch City | City in which the branch is located. | RD |
|  | Bank Branch County | County in which the branch is located. | RD |
|  | Bank Branch Postal Code | Postal code for the bank branch. | RD |
|  | Bank Branch Country | Country in which the branch is located. | RD |
|  | Bank Branch Phone | Phone number of the bank branch | RD |
|  | Bank Branch Fax | Fax number of the bank branch | RD |
|  | SWIFT BIC | Swift BIC code | RD |
|  | IBAN | International Bank Account Number | RD |
|  | Bank Account Currency Jurisdiction | Bank Account Currency jurisdiction - should be ROI or NI. The Market Operator approval process will ensure that all jurisdiction references are the same. | RD |
|  | Notification Comment | Used by the operator and Participant to exchanges notes with respect to that registration data |  |
|  | Effective Date | Effective date for the bank details for the Market Participant. | RD |
|  | Expiration Date | Expiry date for the bank details for the Market Participant. | RD |
|  | External ID | Optional text field that can be used to track submissions by Market Participants. |  |
| MPR / Generator Parameters | Resource Type | 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: PRED\_PR\_MAKER\_GEN, PRED\_PR\_TAKER\_GEN, VAR\_PR\_MAKER\_GEN, VAR\_PR\_TAKER\_GEN, AUTO\_PR\_TAKER\_GEN. | VRD |
|  | Resource Name | The name of the resource in question (e.g. the name of the Generator Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being submitted). | VRD |
|  | IM Resource Name | Reference ID to the unit’s injection point to the transmission system referenced in the Connection Agreement | VRD |
|  | Connection Point | Identifier of the Unit connection point (provided by the Transmission System Operators). | VRD |
|  | Connection Type | Will be "TRNS" if transmission system connected and "DIST" if distribution system connected. | VRD |
|  | Connection Agreement | Reference ID to the unit's and/or Participant's connection agreement. | VRD |
|  | Effective Date | Proposed date and time when Participant will become eligible to participate in the market. | VRD |
|  | Expiry Date | Expiry Date | VRD |
|  | Dual Rated Generator Unit Flag | A flag Indicating that a Generator Unit is a Dual Rated Generator Unit. |  |
|  | Fuel Type | May be Oil (OIL), Gas (GAS), Coal (COAL), Multiple Fuel (MULTI), Wind (WIND), Hydro (HYDRO), Biomass (BIO), Combined Heat and Power (CHP), Pumped Storage (PUMP), Demand Side Unit (DEM); Battery Storage Units are set equal to Pumped Storage and Solar Power Units are set equal to Wind. | VRD |
|  | Secondary Fuel Type | May be Oil (OIL), Gas (GAS), Coal (COAL), Multiple Fuel (MULTI), Wind (WIND), Hydro (HYDRO), Biomass (BIO), Combined Heat and Power (CHP), Pumped Storage (PUMP) Demand Side Unit (DEM) Battery Storage Units are set equal to Pumped Storage | VRD |
|  | Minimum Stable Generation | Registered Minimum Generation level in MW. | VTOD |
|  | Maximum Generation | Maximum Generation level, in MW. | VRD |
|  | Number of Hours elapsed for Cold Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Number of Hours elapsed for Warm Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Number of Hours elapsed for Hot Sync time. | This is not utilised in the systems. This can be left as NULL in the Data Transaction |  |
|  | Pumped Storage Flag or Battery Storage | May be Y, N or NULL - it will only be Y if the Unit is a Pumped Storage Unit or a Battery Storage Unit. | VRD |
|  | Energy Limit Flag | May be Y, N or NULL - it will only be Y if the Unit is an Energy Limited Generator Unit. | VRD |
|  | Netting Generator Flag | Only applicable to PPMG, PPTG, VPMG, VPTG, APTG. It is a Y/N/Null field. Null for supplier, demand and interconnector. | VRD |
|  | Fixed Unit Load | Fixed linear factor used to calculate net output from a Generator Unit. Fixed Unit Load (FUL) ≥ 0 | VRD |
|  | Unit Load Scalar | Scalar quantity which approximates physical losses associated with a Generator Unit Transformer. Unit Load Scalar (ULS). 0 < ULS ≤ 1. | VRD |
|  | Start-up End Point | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VTOD |
|  | Droop | In relation to the operation of the governor of a Generator Unit, the percentage drop in System Frequency which would cause the Generator Unit under free governor action to change its output from zero to Full Load. (in %) | VRD |
|  | Number of Starts | Number of Starts available before maintenance of the unit when < 30 starts. Note: this value will be provided by Participants as part of their technical offer data. There will be no requirement to consider it in the optimization runs. | VRD |
|  | Number of Run Hours | Number of run hours available for a unit before maintenance when < 200 hours. Note: this value will be provided by Participants as part of their technical offer data. There will be no requirement to consider it in the optimization runs. | VRD |
|  | Minimum Reservoir Capacity | For Pumped Storage. Minimum possible capacity for the reservoir (MWh). Reservoir levels must be the same for submissions from all Units Sharing the Reservoir. The value for the first unit by alphabetical order of the unit's name will be selected if the reservoir capacities differ. For Battery Storage Units, this field refers to the Minimum Storage Capacity. | VTOD |
|  | Maximum Reservoir Capacity | For Pumped Storage, reservoir levels must be the same for submissions from all Units Sharing the Reservoir. The value for the first unit by alphabetical order of the unit's name will be selected if the reservoir capacities differ. For Battery Storage Units, this field refers to the Maximum Storage Capacity. | VTOD |
|  | Modes of Operation | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VRD |
|  | Identification of Unit location on grid. | Unique identifier of unit location. Multiple Unit IDs can exist for each Physical Location (e.g. Supplier Unit and Generator Unit). | VRD |
|  | Physical Location ID. | Name of unit location on the transmission system. | VRD |
|  | Name of station or site where unit is located (multiple units per station). | Name of station or site where unit is located (there can be multiple units per station). | VRD |
|  | Identification of the Station | Station ID defined by the Transmission System Operators. | VRD |
|  | Station address line 1 | Station Address line 1. | VRD |
|  | Station address line 2 | Station Address line 2. | VRD |
|  | Registered Firm Capacity | Total deep connected capacity designation for the unit. | VRD |
|  | Non-Firm Access Quantity | Non-firm capacity for a unit in MW, i.e. part of a Generator Unit's Availability that does not have Firm Access. | VRD |
|  | Commission Test Certificate | Acceptance of commission test for data and generation communication requirements. | VRD |
|  | Old Resource Flag | To indicate if this is an old resource whose ownership is being changed/ or is being re-registered. | VRD |
|  | Old Resource Name | In case of a previously registered resource, this is to provide its previous registered resource identification. | VRD |
|  | Old Participant Name | Participant ID of the previous Participant (if applicable). Can be left NULL if not relevant. | VRD |
|  | Priority Dispatch Flag | Indication of a Unit's priority in the physical market schedule if in a tie to serve marginal demand. Will be Y or N and will be set in conjunction with the Transmission System Operator(s). | VRD |
|  | Unit Under Test Start Date | Date when the Unit is proposed to be under test. This will be approved by the Market Operator in conjunction with the Transmission System Operator(s). | VRD |
|  | Unit Under Test End Date | Date when the Unit is proposed to complete its test. This will be approved by the Market Operator in conjunction with the Transmission System Operator(s). | VRD |
|  | Qualified Communication Channel | Indicator of the communication channels the unit has been qualified to utilise. | VRD |
|  | Jurisdiction | Jurisdiction for the resource - will be "ROI" or "NI". | VRD |
|  | Notification Comment | Used by the Market Operator and Participant to exchange notes with respect to that registration data. |  |
|  | Trading Site Name | Name of the Trading Site to which the Generator Unit is associated. |  |
|  | Meter Registration ID | Identifier for metering purposes. |  |
|  | Data Exchange Test | Will be P (Pass) or F (Fail), depending on whether Market Operator data exchange testing is successful. | VRD |
|  | EB Licence number | Regulatory licence ID number for the Participant based on type of unit owned (e.g. Wind Generation, Demand-side, etc.). | VRD |
|  | Electricity Commission License Effective Date | Electricity Commission License Effective Date. | VRD |
|  | Electricity Commission License Expiration Date | Electricity Commission License Expiration Date. | VRD |
|  | External ID | Optional text field that can be used to track submissions by Market Participants. |  |
|  | Default Data Submission | This is a flag set by the Market Operator, and indicates whether Default Data has been submitted by the Market Participant for a Unit. |  |
| MPR / Load Parameters | Resource Type | Demand Side Unit (DU) or Supplier Unit (SU) | VRD |
|  | Resource Name | The name of the resource in question (e.g. the name of the Generator Unit, Supplier Unit, Demand Side Unit, Interconnector Unit or Interconnector for which data is being submitted). | VRD |
|  | IM Resource Name | Reference ID to the unit’s injection point to the transmission system referenced in the Connection Agreement |  |
|  | Connection Point | Identifier of the Unit (provided by the system operators). | VRD |
|  | Connection Type | Transmission or Distribution Connected. | VRD |
|  | Connection Agreement | Reference ID to the unit’s and/or Participant’s connection agreement. | VRD |
|  | Effective Date | Effective Date for Load Data Submission | VRD |
|  | Expiry Date | Expiry Date for Load Data Submission | VRD |
|  | Dispatchable Capacity | MWs available for curtailment. | VRD |
|  | Non Dispatchable Capacity | Portion of total demand not available for curtailment. | VRD |
|  | Fuel Type | Type of Fuel. For Battery Storage Units select Pumped Storage and for Solar Power Units select Wind. | VRD |
|  | Trading Site Supplier Flag | Trading Site Supplier Flag (Y/N) |  |
|  | Trading Site Name | Trading Site identifier |  |
|  | Meter Registration ID | Identifier for metering purposes. |  |
|  | Unit Under Test Start Date | When applicable |  |
|  | Unit Under Test End Date | When applicable |  |
|  | Old Resource Flag | To indicate if this is an old resource whose ownership is being changed / or is being re-registered | VRD |
|  | Old Resource Name | In case of a previously registered resource, this is to provide its previous registered resource identification. | VRD |
|  | Old Participant Name | In case of a previously registered resource, this is to provide its previous registered Participant identification. | VRD |
|  | Qualified Communication Channel | Indicator of the communication channels the unit has been qualified to utilize. | VRD |
|  | Jurisdiction | ROI or NI. | VRD |
|  | Notification Comment | Used by the operator and Participant to exchange notes with respect to that registration data. |  |
|  | Data Exchange Test | Will be P (Pass) or F (Fail), depending on whether Market Operator data exchange testing is successful. | VRD |
|  | EB Licence number | Regulatory licence id number for the Participant based on type of unit owned (e.g. Wind Generation, Demand-side, etc.). | VRD |
|  | Effective Date of EB Licence | Proposed date and time when Participant will become eligible to participate in the market. | VRD |
|  | Expiry Date of EB Licence | Expiry Date of EB Licence | VRD |
|  | Station ID | Station ID created by the system operators. | VRD |
|  | Station Address line 1 | Address of Station for informational purposes. | VRD |
|  | Station Address line 2 | Address of Station for informational purposes. (following) | VRD |
|  | External ID | Optional text field that can be used to track submissions by Market Participants |  |
|  | Default Data Submission | This is a flag set by the Market Operator, and indicates whether Default Data has been submitted by the Market Participant for a Unit. |  |
| MI / Generator Offer | Application Type | Must be "DAM" |  |
|  | Trading Day | Trading Day for which the data is submitted |  |
|  | Gate Window Identifier | Identifier of the Gate Window to which the data is being submitted |  |
|  | Participant Name | Name of the Participant |  |
|  | User Name | User Name |  |
|  | Mode | Must be NORMAL |  |
|  | Standing Data Flag | Flag indicating that the submission is of Standing Data |  |
|  | Version Number | Must be 1.0 |  |
|  | Resource Name | Must be a valid Resource Name |  |
|  | Resource Type | Must be a valid Unit Classification. |  |
|  | Expiry Date | Must be a valid date in the future. |  |
|  | Standing Day Type | Must be a valid Day Type Parameter value. |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful) |  |
|  | Start Hour | Used to identify data submitted on a Trading Period basis, in conjunction with End Hour, Start Interval and End Interval |  |
|  | End Hour | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, Start Interval and End Interval |  |
|  | Start Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and End Interval |  |
|  | End Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and Start Interval |  |
|  | Forecast Maximum Availability | As submitted by Generator Units for each Trading Day | TOD |
|  | Forecast Minimum Stable Generation | As submitted by Generator Units for each Trading Day | TOD |
|  | Forecast Minimum Output | As submitted by Generator Units for each Trading Day | TOD |
|  | Target Reservoir Level | For Pumped Storage Units and Battery Storage Units only. For Battery Storage Units this field refers to the unit’s Target Charge Level | COD |
|  | Target Reservoir Level Percentage | For Pumped Storage Units and Battery Storage Units only. For Battery Storage Units this field refers to the unit’s Target Charge Level Percentage | VTOD |
|  | Prior Day End Reservoir Level | For Pumped Storage Units and Battery Storage Units only, not utilised in the Central Market Systems. For Battery Storage Units this field refers to the unit’s Prior Day End Charge Level |  |
|  | Operational Reservoir Capacity | For Pumped Storage Units and Battery Storage Units only, not utilised in the Central Market Systems. For Battery Storage Units this field refers to the unit’s Operational Charge Capacity |  |
|  | Spin Generation Cost | For Pumped Storage Units and Battery Storage Units only, is the cost of running in spinning mode. Used only operationally |  |
|  | Spin Pump Cost | For Pumped Storage Units and Battery Storage Units only, is the cost of running in pumping or charging mode. Used only operationally |  |
|  | Minimum Generation Cost | For Pumped Storage Units and Battery Storage Units only, is the cost of running at minimum generation level. Used only operationally |  |
|  | Energy Limit | For Energy Limited Units only, is the Energy Limit for the Trading Day | TOD |
|  | Energy Limit Factor | For Energy Limited Units only, is the proportion of the Energy Limit that applies within the Ending Overlap Optimisation Period | TOD |
|  | Energy Limit Period Flag | For Energy Limited Units only, relating to the start and end of the Energy Limit Period | TOD |
|  | Price Quantity Curve - Price | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | Price Quantity Curve - Quantity | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | Start Up Cost Hot | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | Start Up Cost Warm | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | Start Up Cost Cold | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | No Load Cost | Submitted as part of Commercial Offer Data in accordance with Appendix I | COD |
|  | Nomination Profile | Submitted by each Predictable Price Taker Generator Unit, Variable Price Taker Generator Unit or Unit Under Test | COD |
|  | Decremental Price | Submitted by each Predictable Price Taker Generator Unit, Variable Price Taker Generator Unit or Unit Under Test | COD |
| MI / Generator Technical Offer Data | Resource Name | Must be a valid Resource Name | VTOD |
|  | Resource Type | Must be a valid Unit Classification. | VTOD |
|  | Validation Data Set Number | Numerical identifier associated with a Validation Data Set |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Block Load Flag | Will be “Yes” or “No”, depending on whether the Unit has block loading characteristics. | VTOD |
|  | Block Load Cold | Block Load in MW when the unit is in a cold state. | VTOD |
|  | Block Load Warm | Block Load in MW when the unit is in a warm state. | VTOD |
|  | Block Load Hot | Block Load in MW when the unit is in a hot state. | VTOD |
|  | Deloading Rate 1 | Deloading Rate in MW/min that applies for a Unit below the DELOAD\_BREAK\_PT to zero. | VTOD |
|  | Deloading Rate 2 | Deloading Rate in MW/min that applies for a Unit below Minimum Generation beyond DELOAD\_BREAK\_PT. | VTOD |
|  | Deload Break Point | MW level from which the deloading rate will change from DELOADING\_RATE\_1 to DELOADING\_RATE\_2. | VTOD |
|  | Minimum Time Sync Cold | This is not utilised in the systems. This can be left as NULL in the Data Transaction | VTOD |
|  | Minimum Time Sync Warm | The duration in hours off load that indicates the standby status change of the unit from Warm to Cold. | VTOD |
|  | Minimum Time Sync Hot | The duration in hours off load that indicates the standby status change of the unit from Hot to Warm. | VTOD |
|  | Start-Up Time Cold | Notification/Start-up times in hours for a unit considered to be in a cold state. | VTOD |
|  | Start-Up Time warm | Notification/Start-up times in hours for a unit considered to be in a warm state. | VTOD |
|  | Start-Up Time Hot | Notification/Start-up times in hours for a unit considered to be in a hot state. | VTOD |
|  | Dwell Time 1 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time 2 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time 3 | Time above Minimum Generation for which a Unit remains at a constant MW level before continuing to increase or decrease output. | VTOD |
|  | Dwell Time Trigger Point 1 | MW level at which DWELL\_TIMES\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Dwell Time Trigger Point 2 | MW level at which DWELL\_TIMES\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Dwell Time Trigger Point 3 | MW level at which DWELL\_TIMES\_3 should be observed before output can further increase or decrease. | VTOD |
|  | Loading Rate Cold 1 | Loading Up Rate in MW/min when a Unit is in a cold state that applies until LOADING\_UP\_BREAK\_PT\_COLD\_1. | VTOD |
|  | Loading Rate Cold 2 | 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. | VTOD |
|  | Loading Rate Cold 3 | Loading Up Rate in MW/min when a Unit is in a cold state that applies above LOADING\_UP\_BREAK\_PT\_COLD\_2. | VTOD |
|  | Loading Rate Warm 1 | Loading Up Rate in MW/min when a Unit is in a warm state that applies until LOADING\_UP\_BREAK\_PT\_WARM\_1 | VTOD |
|  | Loading Rate Warm 2 | 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 | VTOD |
|  | Loading Rate Warm 3 | Loading Up Rate in MW/min when a Unit is in a warm state that applies above LOADING\_UP\_BREAK\_PT\_WARM\_2 | VTOD |
|  | Loading Rate Hot 1 | Loading Up Rate in MW/min when a Unit is in a hot state that applies until LOADING\_UP\_BREAK\_PT\_HOT\_1. | VTOD |
|  | Loading Rate Hot 2 | 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. | VTOD |
|  | Loading Rate Hot 3 | Loading Up Rate in MW/min when a Unit is in a hot state that applies above LOADING\_UP\_BREAK\_PT\_HOT\_2. | VTOD |
|  | Loading Up Breakpoint Cold 1 | MW level from which the cold loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Cold 2 | MW level from which the cold loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Loading Up Breakpoint Warm 1 | MW level from which the warm loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Warm 2 | MW level from which the warm loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Loading Up Breakpoint Hot 1 | MW level from which the hot loading up rate will change from Loading Rate 1 to Loading Rate 2. | VTOD |
|  | Loading Up Breakpoint Hot 2 | MW level from which the hot loading up rate will change from Loading Rate 2 to Loading Rate 3. | VTOD |
|  | Minimum On-time | The minimum time that must elapse from the time a Generator Unit Starts-Up before it can be Shut-Down | VTOD |
|  | Maximum On-time | The maximum time that must elapse from the time a Generator Unit Starts-Up before it can be Shut-Down | VTOD |
|  | Minimum Off-time | The minimum time that a Generator Unit must remain producing no Active Power or Reactive Power commencing at the time when it stops producing Active Power or Reactive Power. | VTOD |
|  | Pumped Storage Cycle Efficiency | (PSCEuh and BSEuh). For Pumped Storage Units this isthe 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. For Battery Storage Units is a percentage value calculated from the level of Generation provided by the discharge of a defined quantity of charge from the Battery Storage Unit divided by the level of Demand required to store the same defined quantity of charge. | VTOD |
|  | Pumping Load Capacity | For Pumped Storage and Battery Storage only, the load consumed by unit during pumping or charging phase (MW). | VTOD |
|  | Max Ramp Up Rate | Rate of load increase. Rate of decreasing demand (MW/min). | VTOD |
|  | Max Ramp Down Rate | Rate of load reduction. Rate of increasing demand (MW/min). | VTOD |
|  | Ramp Up Rate 1 | Ramp Up Rate in MW/min that applies until RAMP\_UP\_BREAK\_PT\_1. | VTOD |
|  | Ramp Up Rate 2 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_1 until RAMP\_UP\_BREAK\_PT\_2. | VTOD |
|  | Ramp Up Rate 3 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_2 until RAMP\_UP\_BREAK\_PT\_3. | VTOD |
|  | Ramp Up Rate 4 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_3 until RAMP\_UP\_BREAK\_PT\_4. | VTOD |
|  | Ramp Up Rate 5 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_5. | VTOD |
|  | Ramp Up Breakpoint 1 | MW level from which the ramp rate will change from Ramp Rate 1 to Ramp Rate 2. | VTOD |
|  | Ramp Up Breakpoint 2 | MW level from which the ramp rate will change from Ramp Rate 2 to Ramp Rate 3. | VTOD |
|  | Ramp Up Breakpoint 3 | MW level from which the ramp rate will change from Ramp Rate 3 to Ramp Rate 4. | VTOD |
|  | Ramp Up Breakpoint 4 | MW level from which the ramp rate will change to Ramp Rate 5. | VTOD |
|  | Ramp Down Rate 1 | Ramp Down Rate in MW/min that applies until RAMP\_DOWN\_BREAK\_PT\_1. | VTOD |
|  | Ramp Down Rate 2 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_1 until RAMP\_DOWN\_BREAK\_PT\_2. | VTOD |
|  | Ramp Down Rate 3 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_2 until RAMP\_DOWN\_BREAK\_PT\_3. | VTOD |
|  | Ramp Down Rate 4 | Ramp Down Rate in MW/min that applies from RAMP\_DOWN\_BREAK\_PT\_3 until RAMP\_DOWN\_BREAK\_PT\_4. | VTOD |
|  | Ramp Down Rate 5 | Ramp Up Rate in MW/min that applies from RAMP\_UP\_BREAK\_PT\_5. | VTOD |
|  | Ramp Down Breakpoint 1 | MW level from which the ramp rate will change from Ramp Rate 1 to Ramp Rate 2. | VTOD |
|  | Ramp Down Breakpoint 2 | MW level from which the ramp rate will change from Ramp Rate 2 to Ramp Rate 3. | VTOD |
|  | Ramp Down Breakpoint 3 | MW level from which the ramp rate will change from Ramp Rate 3 to Ramp Rate 4. | VTOD |
|  | Ramp Down Breakpoint 4 | MW level from which the ramp rate will change to Ramp Down Rate 5. | VTOD |
|  | Start Forbidden Range 1 | MW level where restricted loading range (1) starts. Unit must move through this range as quickly as possible | VTOD |
|  | End Forbidden Range 1 | MW level where restricted loading range (1) ends. Unit must move through this range as quickly as possible. | VTOD |
|  | Start Forbidden Range 2 | MW level where restricted loading range (2) starts. Unit must move through this range as quickly as possible. | VTOD |
|  | End Forbidden Range 2 | MW level where restricted loading range (2) ends. Unit must move through this range as quickly as possible. | VTOD |
|  | Soak Time Hot 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a hot state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Hot 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a hot state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Warm 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a warm state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Warm 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a warm state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Cold 1 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a cold state before continuing to increase or decrease output. | VTOD |
|  | Soak Time Cold 2 | Time below Minimum Generation for which a Unit remains at a constant MW level whilst in a cold state before continuing to increase or decrease output. | VTOD |
|  | Trigger Point Hot 1 | MW level at which TRIGGER\_PT\_HOT\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Hot 2 | MW level at which TRIGGER\_PT\_HOT\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Warm 1 | MW level at which TRIGGER\_PT\_WARM\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Warm 2 | MW level at which TRIGGER\_PT\_WARM\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Cold 1 | MW level at which TRIGGER\_PT\_COLD\_1 should be observed before output can further increase or decrease. | VTOD |
|  | Trigger Point Cold 2 | MW level at which TRIGGER\_PT\_COLD\_2 should be observed before output can further increase or decrease. | VTOD |
|  | Short Term Maximisation Capacity above MAXGEN | Capacity above MAXGEN that can be sustained for a finite period of time (MW). | VTOD |
|  | Short Term Maximisation time | The duration in hours representing the length of time that Short-Term Maximisation can be sustained. | VTOD |
|  | Minimum Down Time | Minimum amount of time the demand-side unit can be curtailed.(in Hours) | VTOD |
|  | Maximum Down Time | Maximum amount of time the demand-side unit can be curtailed.(in Hours) | VTOD |
| MI / Demand Offer | Application Type | Must be "DAM" |  |
|  | Trading Day | Trading Day for which the data is submitted. |  |
|  | Gate Window Identifier | Identifier of the Gate Window to which the data is being submitted |  |
|  | Participant Name | Name of the Participant. |  |
|  | User Name | User Name. |  |
|  | Mode | Must be NORMAL |  |
|  | Standing Data Flag | Flag indicating that the submission is of Standing Data |  |
|  | Version Number | Must be 1.0 |  |
|  | Resource Name | Must be a valid Resource Name |  |
|  | Resource Type | Must be a valid Unit Classification. |  |
|  | Expiry Date | Must be a valid date in the future. |  |
|  | Standing Day Type | Must be a valid Day Type Parameter value. |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Start Hour | Used to identify data submitted on a Trading Period basis, in conjunction with End Hour, Start Interval and End Interval. |  |
|  | End Hour | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, Start Interval and End Interval. |  |
|  | Start Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and End Interval. |  |
|  | End Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and Start Interval. |  |
|  | Forecast Maximum Availability | As submitted by Generator Units for each Trading Day. | TOD |
|  | Forecast Minimum Stable Generation | As submitted by Generator Units for each Trading Day. | TOD |
|  | Forecast Minimum Output | As submitted by Generator Units for each Trading Day. | TOD |
|  | Price Quantity Curve - Price | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Price Quantity Curve - Quantity | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Shut Down Cost | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Nomination Profile | Submitted by each Predictable Price Taker Generator Unit, Variable Price Taker Generator Unit or Unit Under Test. | COD |
|  | Decremental Price | Submitted by each Predictable Price Taker Generator Unit, Variable Price Taker Generator Unit or Unit Under Test. | COD |
| MI / Demand Technical Offer Data | Resource Name | Must be a valid Resource Name | VTOD |
|  | Resource Type | Must be a valid Unit Classification. | VTOD |
|  | Validation Data Set Number | Numerical identifier associated with a Validation Data Set |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Max Ramp Up Rate | Rate of load increase. Rate of decreasing demand (MW/min). | VTOD |
|  | Max Ramp Down Rate | Rate of load reduction. Rate of increasing demand (MW/min). | VTOD |
|  | Minimum Down Time | Minimum amount of time the Demand Side Unit can be curtailed.(in Hours) | VTOD |
|  | Maximum Down Time | Maximum amount of time the Demand Side Unit can be curtailed.(in Hours) | VTOD |
| MI / Validation Technical Offer Data Choice | Application Type | Must be "DAM" |  |
|  | Trading Day | Trading Day for which the data is submitted. |  |
|  | Gate Window Identifier | Identifier of the Gate Window to which the data is being submitted |  |
|  | Participant Name | Name of the Participant. |  |
|  | User Name | User Name. |  |
|  | Mode | Must be NORMAL |  |
|  | Resource Name | Must be a valid Resource Name |  |
|  | Resource Type | Must be a valid Unit Classification. |  |
|  | Validation Data Set Number | Numerical identifier associated with a Validation Data Set |  |
|  | Version Number | Must be 1.0 |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
| MI / Settlement Reallocation | Application Type | Must be "DAM" |  |
|  | Trading Day | Trading Day for which the data is submitted. |  |
|  | Participant Name | Name of the Participant. |  |
|  | User Name | User Name. |  |
|  | Mode | Must be NORMAL |  |
|  | Standing Data Flag | Flag indicating that the submission is of Standing Data |  |
|  | Version Number | Must be 1.0 |  |
|  | Credited Participant Name | Must be a valid Participant. |  |
|  | Reallocation Type | Must be Energy or Capacity |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Start Hour | Used to identify data submitted on a Trading Period basis, in conjunction with End Hour, Start Interval and End Interval. |  |
|  | End Hour | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, Start Interval and End Interval. |  |
|  | Start Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and End Interval. |  |
|  | End Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and Start Interval. |  |
|  | Agreement Name | A name for the SRA as provided by a Participant. |  |
|  | Monetary Value | Value of the Settlement Reallocation Agreement. |  |
| MI / Interconnector Offer | Application Type | Must be "DAM" |  |
|  | Trading Day | Trading Day for which the data is submitted. |  |
|  | Gate Window Identifier | Identifier of the Gate Window to which the data is being submitted |  |
|  | Participant Name | Name of the Participant. |  |
|  | User Name | User Name. |  |
|  | Mode | Must be NORMAL |  |
|  | Standing Data Flag | Flag indicating that the submission is of Standing Data |  |
|  | Version Number | Must be 1.0 |  |
|  | Resource Name | Must be a valid Interconnector |  |
|  | Resource Type | Must be a valid Unit Classification. |  |
|  | Expiry Date | Must be a valid date in the future. |  |
|  | Standing Day Type | Must be a valid Day Type Parameter value. |  |
|  | External Identifier | Optional text field that can be used to track submissions by Market Participants. This can be non-unique and cannot be queried (although will be returned in responses if successful). |  |
|  | Start Hour | Used to identify data submitted on a Trading Period basis, in conjunction with End Hour, Start Interval and End Interval. |  |
|  | End Hour | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, Start Interval and End Interval. |  |
|  | Start Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and End Interval. |  |
|  | End Interval | Used to identify data submitted on a Trading Period basis, in conjunction with Start Hour, End Hour and Start Interval. |  |
|  | Maximum Interconnector Unit Import Capacity | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Maximum Interconnector Unit Export Capacity | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Price Quantity Curve - Price | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Price Quantity Curve - Quantity | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |
|  | Priority Flag | Submitted as part of Commercial Offer Data in accordance with Appendix I. | COD |

1. Fax template for MO to MP for Request Authorisation to Change Banking Details (as per step 2 of table 1A)

**MARKET OPERATOR HEADED PAPER**

|  |  |
| --- | --- |
| Screen / T&SC Name | Copy of revised Banking Details element |
| Bank Name |  |
| Bank Number |  |
| Bank Account Name |  |
| Account Number |  |
| Bank Account Description |  |
| Bank Branch Type |  |
| Bank Branch Name |  |
| Bank Branch Number of Sort Code |  |
| Bank Branch Description |  |
| Bank Branch Address line 1 |  |
| Bank Branch Address line 2 |  |
| Bank Branch City |  |
| Bank Branch County |  |
| Bank Branch Postal Code |  |
| Bank Branch Country |  |
| Bank Branch Phone |  |
| Bank Branch Fax |  |
| SWIFT BIC |  |
| IBAN |  |
| Bank Account Currency Jurisdiction |  |
| Notification Comment |  |
| External ID |  |
| Effective Date |  |
| Expiry Date |  |

Authorised Signatures;

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                                    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Authorised Signatory  A                               Authorised Signatory B**

**Date:                                                               Date:**

Please confirm the implementation of changes having received and verified this signed fax (as a hardcopy)by contacting us in the manner specified (fax and/or email) on the list of Authorised Signatories.

1. Banking Details Instructions

**COMPANY HEADED PAPER**

**To: Market Operator**

We hereby confirm that two of the following can authorise instructions (one signature from Panel A and one signature from Panel B) to the MO to amend the bank account details. Proof of identity is supplied with this documentation for each Signature (Copy of Passport and recent Utility Bill certified by a practicing solicitor).

Implementation of instructions to amend bank account details by the Market Operator is contingent on receiving the original signature of two personnel, one from Panel A and one signature Panel B listed below on the fax request from the Market Operator that details the proposed bank account amendments.

The request for this authorisation is sent by fax to the following fax number:

Primary fax number +

Secondary fax number +

  PANEL A:

|  |  |
| --- | --- |
| **Personnel Authorised To Amend Bank Account Details (Block Capitals)** | **Sample Signature** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**COMPANY HEADED PAPER**

PANEL B

|  |  |
| --- | --- |
| **Personnel Authorised To Amend Bank Account Details (Block Capitals)** | **Sample Signature** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

The Market Operator has agreed to implement changes within 5 working days of receiving the appropriate confirmation. Having verified the proposed changes to bank account information the accepted changes must be confirmed by the Market Operator by fax/email communication to the contact details below two business days before implementation. Any future changes to this list of authorised signatories must also be confirmed by fax/email to the contact details below.

Primary Fax +

Secondary Fax +

Email 1

Email 2

Email 3

Email 4

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                                    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Authorised Signatory                                   Authorised Signatory**

**Date:                                                               Date:**

*Market Operator Guidelines for Authorised Signatories:*

*In the case of limited companies, reasonable evidence of authority should be provided which would include a certified copy of a board minute of a company naming certain individuals as having authority with respect to banking arrangements. This could be a power of attorney granted to certain individuals with respect to banking arrangements. This could be a standing authority of the board (which would have to be produced by way of a certified copy of the relevant resolution setting up the authority) showing that certain officers in the company have authority to conduct business including the operation of company bank accounts. In the case of an individual, then evidence of that individual’s identity should be sufficient.*