

↳SEMOpx Data Publication Guide

ISSUE 23.0

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Document History

Version	Date	Author	Comment
1.0	05 May 2017	I-SEM Programme	Initial Release of I-SEM Data Publication Guide. Cross-Reference: Level 2 Milestone # 231
1.1	14 October 2017	I-SEM Programme	Incremental release of I-SEM Data Publication Guide.
1.2	01 December 2017	I-SEM Programme	Incremental release of I-SEM Data Publication Guide Cross-Reference: Level 2 Milestone # 7k
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2.0	28 March 2018	I-SEM Programme	Incremental release of I-SEM Data Publication Guide Cross-Reference: Level 2 Milestone # 234b
2.0 <u>3.0</u>	0523 October <u>November 2018</u>	I-SEM Programme <u>SEMOpX</u>	<u>Updated contents and branding for SEMOpX</u> <u>Minor edit to report descriptions for auction time horizons.</u>

Distribution List

Name
General Public

1 DISCLAIMER AND CONTENT INFORMATION

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2. The information provided in this document is based on documentation and information provided by the technology systems vendors and service providers whose systems and services are used in the operations of ~~the Balancing market, Capacity market, and Ex-Ante (SEMOpx PX) market~~.
3. Further changes to the data or access mechanisms presented in this document may change as a result of ~~the~~ ongoing work to ~~design and build~~ update the public website and/or changes to the market design through the market modifications process. As such, ~~EirGrid and SONI~~ SEMOpx ~~will~~ may be issuing updated versions of this document and any associated documents to reflect those changes.

2 INTRODUCTION AND BACKGROUND

2.1 SCOPE OF THIS DOCUMENT

The ISEMOPx Data Publication Guide provides details of the information published for and available to the general public by:

- ~~EirGrid, as Transmission System Operator, as required to discharge its associated obligations in relation to the Capacity Market, as set out in the Capacity Market Code,~~
- ~~SEMO, as Market Operator, as required to discharge its associated obligations in relation to the Balancing Market, as set out in the Trading and Settlement Code (TSC),~~
- SEMOpx, as a Nominated Electricity Market Operator (NEMO), as required to discharge its associated obligations in relation to Day Ahead Market and Intra-Day Market, as set out in the SEMOPx Rules.

2.2 STRUCTURE OF THE ISEMOPx DATA PUBLICATION GUIDE

2.2.1 DATA PUBLICATION GUIDE SECTIONS OVERVIEW

The following table describes the sections within this Data Publication guide. It details the availability of the information within this issue and what additional information is to be provided in future issues.

Section #	Section Name	Content included in this Issue
1	Disclaimer and Content Information <i>Important information in relation to interpretation of the content presented in the ISEMOPx Data Publication Guide.</i>	Issue 1-3 includes complete information on this topic.
2	Introduction and Background <i>Sets out the scope of the ISEMOPx Data Publication Guide and describes the structure of the document.</i>	Issue 1-3 includes complete information on this topic.
3	Data Publication Types <i>Provides a definition of the data publication report types and how they are organised on the SEMO and SEMOPx website.</i>	<p>Issue 3 includes complete information on this topic.</p> <p>Issue 1 contains high level identification of the data publication report types.</p> <p>Issue 1.1 updates the list of data publication types.</p> <p>Issue 1.2 updates the list of data publication types.</p> <p>Issue 2.0 includes the final pre-go-live version of how the data publication reports are organised on the SEMO and SEMOPx website.</p>

Section #	Section Name	Content included in this Issue
4	Data Publication Report Formats and Access Mechanisms <i>Provides a definition of the data publication report types and the mechanisms by which information will be access via the SEMO and SEMOpX website.</i>	<p>Issue 3 includes complete information on this topic.</p> <p>Issue 1 contains an overview of the data publication report formats</p> <p>Issue 2 includes information on and instructions for using the access mechanisms for acquiring the data publications on the SEMO and SEMOpX website via Type 2 and Type 3.</p> <p>Future Issues may provide additional screenshots of the SEMO and SEMOpX websites for Type 2 Access Mechanisms.</p>
5	Capacity Market Publications <i>Provides a list of the data publications associated with 1) market development and 2) a list of data publications relating to market data (relating to the Capacity Market qualifications and auctions).</i>	<p>Issue 1 describes the list of data publications and how they are organised for the Capacity Market.</p> <p>Issue 1.1 includes complete information on this topic.</p> <p>Issue 1.3 includes one additional report.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>
65	Ex-Ante Market Publications <i>Provides a list of the data publications associated with 1) market development and 2) a list of data publications relating to market data (relating to trading in the Day Ahead Market and/or Intra-Day Market).</i>	<p>Issue 3 includes complete information on this topic.</p> <p>Issue 1 contains the list of data publications and how they are organised for the Ex-Ante (SEMOpX) Market.</p> <p>Issue 1.1 provides additional reports in this section.</p> <p>Issue 1.3 provides changes to the list of reports in this section and completes the information for this topic.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>

Section #	Section Name	Content included in this Issue
7	Balancing Market Publications <i>Provides a list of the data publications associated with the Balancing Market).</i>	<p>Issue 1 contains the list of data publications and how they are organised for the Balancing Market.</p> <p>Issue 1.1 provides additional reports in this section.</p> <p>Issue 1.2 provides updates to the list of reports.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>
App A	Capacity Market Publication Details <i>Provides the details for each data publication associated with the Capacity Market. This includes the report name, data types, report format, and the access mechanisms available for the report. Furthermore, where applicable, a sample report file or extract is provided.</i>	<p>Issue 1 does not include this detail.</p> <p>Issue 1.1 includes report specifications and sample files.</p> <p>Issue 1.2 includes minor updates to the reports.</p> <p>Issue 1.3 includes one additional report.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>
App BA	Ex-Ante Market Publication Details <i>Provides the details for each data publication associated with the Ex-Ante (SEMOpX) Market. This includes the report name, data types, report format, and the access mechanisms available for the report. Furthermore, where applicable, a sample report file or extract is provided.</i>	<p>Issue 3 includes complete information on this topic.</p> <p>Issue 1 does not include this detail.</p> <p>Issue 1.3 contains the report specifications for the ex-ante reports from SEMOpX, including the scope, timing, and format of published reports. This issue also includes sample files.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>
App C	Balancing Market Publication Details <i>Provides the details for each data publication associated with the Balancing Market. This includes the report name, data types, report format, and the access mechanisms available for the report. Furthermore, where applicable, a sample report file or extract is provided.</i>	<p>Issue 1 does not include this detail.</p> <p>Issue 1.1 includes report specifications for some of these reports.</p> <p>Issue 1.2 includes new, changed, and removed reports, and sample files.</p> <p>Issue 2 provides the complete information on this topic prior to the I-SEM arrangement go-live.</p>

Table 1: Structure of the I-SEMOpX Data Publication Guide

2.2.2 AVAILABILITY OF INFORMATION IN THE DATA PUBLICATION GUIDE

This Data Publication Guide is a living document and is subject to change as ~~the SEMO Balancing Market, SEMO Capacity Market, and~~ SEMOpX evolves. If there is information not yet available for publication, but known to ~~the Market Operators and/or TSOs~~ SEMOpX, it will be highlighted in this document using the format shown below.

Note: If information planned for inclusion in the Data Publication Guide is not yet available for a given issue, it will be noted throughout the document, highlighted by this colored frame.

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3 DATA PUBLICATION TYPES

This section describes the types of data publications available to the general public and how those data publication types are organised and classified within the **SEM-OSEMOpX** website.

~~Many different data publications types will be available for the Balancing Market, Ex Ante Market (SEMOpX), and Capacity Market. The different types of data publications described in this section of the document may apply to all markets.~~

3.1.1 AN OVERVIEW OF DATA PUBLICATION TYPES

Data Publication Type	Definition
Market Data	Data publications related to the input data and parameters used by the various markets for operations and the data resulting from the markets' operations
Market Development	Data publications related to the process by which the market rules (and associated obligations) are agreed, modified and reported on via the Modifications Exchange Committee, along with the processes by which Disputes are handled and Regulatory Authority decisions published.
Market Messages	Data publications (messages) which provide updates on the status of market operations. This includes notices on identifying pricing, settlement or invoicing delays, providing details of outages of the technology systems used in the operations of the market, and notification of resettlement activities.
Market Operator Performance	Data publications which provide information on the performance of market operations. This includes financial statistics, help desk call statistics, details of operational timing, and occurrence of occasional components such as disaster recovery.
Market Methodologies and Processes	Data publications that specify methodologies used in the calculation or formation of market data, and operational processes used by the market operators.

Table 2: An Overview of Data Publication Types

4 DATA PUBLICATION REPORT FORMATS, DELIVERY TYPES, AND ACCESS MECHANISMS

This section describes the different formats in which the data publications will be delivered and how the general public may access the data publications on the ~~SEMO and~~ SEMOpx website.

4.1 DATA PUBLICATION FORMATS

A variety of formats will be used to deliver data to the general public. The table below offers the list of applicable data publication types.

Format Code	Name	Description
CSV	Comma Separated Values	A CSV file stores tabular data (numbers and text) in plain text. Each line of the file is a data record. Each record consists of one or more fields, separated by commas. Some files may use semi-colon characters to separate values <u>and commas to represent a decimal</u> . When applicable, this will be noted.
XML	Extensible Markup Language	Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. ¹ An XML file stores related data within a given hierarchy, described (marked up) by elements. The structure of the XML file is defined and validated by an XML schema (*.xsd).
PDF	Portable Document Format	The Portable Document Format (commonly referred to as PDF) is a file format used to present documents in a manner independent of application software, hardware, and operating systems. ²
DOC	Microsoft Word Document	A document formatted for viewing in Microsoft Word. If the file extension is *.docx, this notates the file is compatible with the Office Open XML international standard for Office documents.
XLS	Microsoft Excel Document	A document formatted for viewing in Microsoft Excel.

Table 3: Data Publication Formats

4.2 DATA PUBLICATION DELIVERY TYPES

¹ XML 1.0 Specification. World Wide Web Consortium. Retrieved 22 August 2010.

² Adobe Systems Incorporated, PDF Reference, 6th Editions, version 1.23, Nov 2006, p33

The delivery type for a data publication characterizes the nature of how the data are stored and presented by the ~~SEMO and~~ SEMOpX website and how the general public may retrieve them. There are two delivery types: static and dynamic.

1. **Static data publication delivery** type is for those publications that are created by the particular market system or market process and uploaded to the ~~SEMO and~~ SEMOpX website for retrieval individually by the general public. These publications can be delivered in a variety of formats.
2. **Dynamic data publications** are those publications that are created by the particular market system or market process and whose data are uploaded to the ~~SEMO and~~ SEMOpX website for retrieval by the general public using a search/filter function. These publications can be delivered in a variety of formats.

4.3 DATA PUBLICATION ACCESS MECHANISMS

A variety of access mechanisms will be provided to the general public for acquiring the various data publications via the ~~SEMO and~~ SEMOpX website. Currently, the following methods are planned.

Method	Details
Type 2 (browser-based) retrieval	<p>For static data publication delivery, this mechanism provides the general public with a webpage, or series of web pages, that list the available data publication for download, with a hyperlink for downloading the given report.</p> <p>For dynamic data publication delivery, this mechanism provides the general public with a webpage, or series of web pages, that allow the user to query specific data publications with a given set of filter criteria. This webpage then lists the available data publication/s for download, with a hyperlink for downloading the given report/s.</p>
Type 3 (API-based) retrieval	<p>For static data publication delivery, this mechanism provides the general public with an API (application programmatic interface) for retrieving a list of data publications, and the data publications themselves.</p> <p>For dynamic data publication delivery, this mechanism provides the general public with an API (application programmatic interface) that allow the user to query specific data publications with a given set of filter criteria. This API then returns the data publication via an XML message in the same format as the static report.</p>

Table 4: Data Publication Access Mechanisms

4.3.1 TYPE 2 ACCESS MECHANISM

A description of Type 2 access for market publications and data on the ~~SEMO and~~ SEMOpX websites is shown below.

Conventions Used in this Section

Convention	Description
"SEMO Home Page"	The starting location/page when navigating to
"SEMOpx Home Page"	The starting location/page when navigating to http://semopx.com
The ">" separator	Indicates a progression from one page to another via a hyperlink. E.g. SEMOpx Home Page > Market Data > Static Reports describes the linking from the SEMOpx Home Page to the SEMOpx Static Reports page.
Any reference made in "quotes"	<ul style="list-style-type: none"> Refers to a specific section of a webpage. E.g. "Market Messages" is a section of the SEMO Home Page and SEMOpx Home Page.

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Table 5: Conventions

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For the SEMO Website:

Publication Type	Location
Market Data: Static Reports	SEMO Home Page > Market Data > Static Reports
Market Data: Dynamic Reports	SEMO Home Page > Market Data > Dynamic Reports
Market Development — Rules — Modifications	SEMO Home Page > Publications > Market Development > Market Rules > Modifications
Market Operator Performance	SEMO Home Page > Publications > General Publications
Market Methodologies and Processes	SEMO Home Page > Publications > General Publications
TSO Responsibilities	SEMO Home Page > Publications > TSO Responsibilities
Market Messages	SEMO Homepage "Market Messages" SEMO Home Page > Market Messages

An example of SEMO > Market Data > Static Reports is shown below.

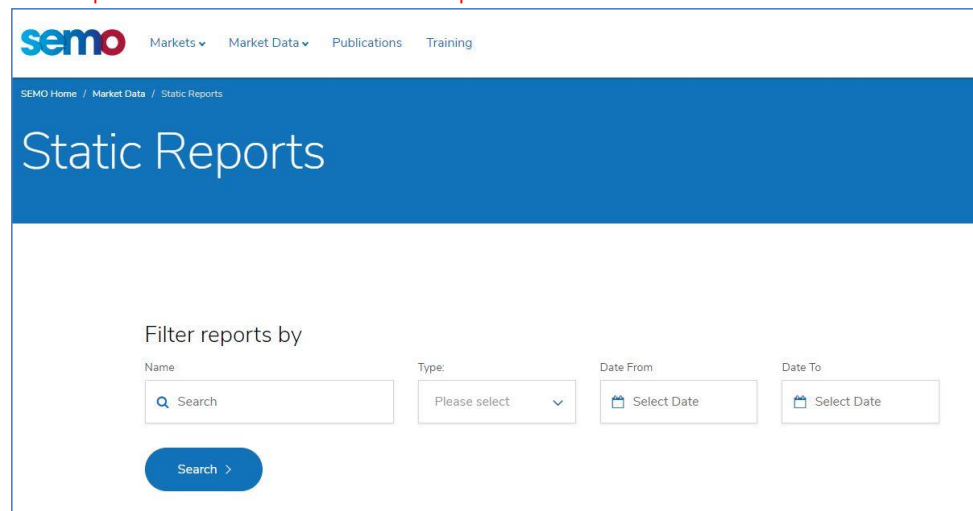


Figure 1: Example of Website Navigation for SEMO > Market Data > Static Reports

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For the SEMOpX Website:

Publication Type	Location
Market Data: Static Reports	SEMOpX Home Page > Market Data > Static Reports
Market Data: Dynamic Reports	SEMOpX Home Page > Market Data > Dynamic Rpeorts
Market Development <ul style="list-style-type: none"> - Rules - Modifications 	SEMOpX Home Page > Publications > Market Development <u>Rules & Monitoring</u> <ul style="list-style-type: none"> > Market Rules > Modifications
Market Operator Performance Monitoring	SEMOpX Home Page > Publications <u>Rules & Monitoring</u> > <u>Market Monitoring</u>
Market Methodologies and Processes	SEMOpX Home Page > Publications
Market Messages	SEMOpX Homepage > <u>"Market Messages" (footer)</u> <ul style="list-style-type: none"> • SEMOpX Home Page > Market Messages

Table 6: Navigation to SEMOpX Sections

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An example of SEMOpX > Market Data > Static Reports is shown below.

The image shows two screenshots of the SEMOpx website. The top screenshot displays the 'Market Data Reports' page, which includes a search bar with a 'Name' field, a 'Date From' field, and a 'Date To' field, each with a 'Select Date' button. A blue 'Search >' button is located below the search fields. The bottom screenshot shows the 'Static Reports' page, which features a navigation bar with links for 'Markets', 'Market Data', 'Rules & Monitoring', and 'Join the Market'. Below the navigation bar, a breadcrumb trail reads 'Home / Market Data / Static Reports', and the main heading 'Static Reports' is displayed in large white text on a dark red background.

Figure 12: Example of Website Navigation for SEMOpx > Market Data > Static Reports

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4.3.2 TYPE 3 ACCESS MECHANISM

Type 3 access for static reports from the SEMO and SEMOpx websites is via a public API. Details of this API are found in Appendix CB: SEMO and SEMOpx Public Website API Specification.

5—CAPACITY MARKET PUBLICATIONS

The data publications that will be available via the SMO and SEMOpX website for the Capacity Market can be organised into two categories: market development and market data. The definition for these groupings, and a list of the known data publications for the Capacity Market, are shown below.

- **Market Development**—the process by which the market rules (and associated obligations) are agreed, modified and reported on via the Modifications Committee, along with the processes by which Disputes are handled and Regulatory Authority decisions published.
- **Market Data**—data and information published in relation to Capacity Market registration, capacity qualification, capacity auction scheduling, conduct and results, secondary trading of Capacity Rights and settlement input parameters.

5.1—CAPACITY MARKET DEVELOPMENT

ID	Document	Category	Format
CM-001	Capacity Market Code (including Agreed Procedures)	To be added later	Word / PDF
CM-002	Effective Modifications not yet incorporated into the Capacity Market Code	To be added later	Word / PDF
CM-003	Modification Finalisation Date for a Capacity Auction	To be added later	Word / PDF
CM-004	Modification Proposal and associated status	To be added later	Word / PDF
CM-005	Regulatory Authority Notices	To be added later	Word / PDF
CM-006	Quarterly Report on status of Modification Proposals	To be added later	Word / PDF
CM-007	Decision on Modification Proposal	To be added later	Word / PDF
CM-008	Modification Proposal Form	To be added later	Word / PDF
CM-009	Capacity Auction Monitor, terms of reference	To be added later	Word / PDF
CM-010	Capacity Auction Audit Report (non-confidential)	To be added later	Word / PDF
CM-011	Dispute Process Timetable	To be added later	Word / PDF
CM-012	Notice of Dispute Form	To be added later	Word / PDF
CM-013	Panel Chair, Panel Members and associated CVs	To be added later	Word / PDF

Table 5: Capacity Market: Market Development Publications

5.2—CAPACITY MARKET DATA

5.2.1—REGISTRATION

ID	Document	Category	Format
CM-014	List of Capacity Market Code Parties and Participants	To be added later	Word / PDF
CM-015	Notice of making or lifting a Suspension Order	To be added later	Word / PDF
CM-016	Termination Order	To be added later	Word / PDF
CM-017	Accession Fees and Participation Fees	To be added later	Word / PDF
CM-018	Qualification Charge, Fixed System Operator Charge and Variable System Operator Charge	To be added later	Word / PDF

Table 6: Capacity Market: Registration Publications

5.2.2 CAPACITY QUALIFICATION

ID	Document	Category	Format
CM-019	Market Qualification Report	To be added later	CSV
CM-020	Reporting schedule for Awarded New Capacity	To be added later	Word / PDF
CM-021	Implementation Progress Reports form	To be added later	Word / PDF
CM-022	Notice of termination of Awarded Capacity	To be added later	Word / PDF

Table 7: Capacity Market: Capacity Qualification Publications

5.2.3 CAPACITY AUCTIONS

ID	Document	Category	Format
CM-023	Capacity Auction Timetable	To be added later	Word / PDF
CM-024	Capacity Auction Information Pack	To be added later	Word / PDF
CM-025	Cancellation of Capacity Auction	To be added later	Word / PDF
CM-027	Capacity Auction Results	To be added later	CSV
CM-028	Amended Capacity Auction Timetable following General System Failure	To be added later	Word / PDF
CM-030	Capacity Auction Results – Constraints Data	To be added later	CSV

Table 8: Capacity Market: Capacity Auction Publications

5.2.4 CAPACITY SETTLEMENT PARAMETERS

ID	Document	Category	Format
CM-029	Updated Annual Capacity Payment Exchange Rate and Monthly Capacity Payment Exchange Rates	To be added later	Word / PDF

Table 9: Capacity Market: Capacity Settlement Parameter Publications

6.2.15.1 EX-ANTE MARKET (SEMOPX) PUBLICATIONS

The data publications that will be available via the ~~SEMO and~~ SEMOpX website ~~for the Ex Ante Market (SEMOpX)~~ can be organised into two groupings: market development and market data. The definition for those groupings, and a list of the known data publications for ~~the Ex Ante Market (SEMOpX)~~, are shown below.

- **Market Development** – the process by which the SEMOpX rules (and associated obligations) are agreed, modified and reported, along with the processes by which Disputes are handled and Regulatory Authority decisions published.
- **Market Data** – data and information published in relation to ~~Ex Ante~~ SEMOpX market registration, auction conduct and results, continuous intra-day trading results, and DAM/IDM settlement.

6.2.15.1 EX-ANTE MARKET DEVELOPMENT

ID	Document	Category	Format
EA-010	SEMOpX Rules (including SEMOpX Operating Procedures)	Market Development	Doc / PDF
EA-011	Schedule and dates of Modification Panel meetings	Market Development	Doc / PDF
EA-012	Modification Proposal	Market Development	Doc / PDF
EA-013	Public consultation on Modification Proposal	Market Development	Doc / PDF
EA-014	Responses to Public Consultation on Modification Proposal	Market Development	Doc / PDF
EA-015	Further information on Modification Proposal	Market Development	Doc / PDF
EA-016	Final Recommendation Report	Market Development	Doc / PDF
EA-017	Regulatory Authority decision on Final Modification Recommendation	Market Development	Doc / PDF
EA-018	Members and Chairperson of the Modification Committee	Market Development	Doc / PDF
EA-019	Terms of Reference for Market Operator Audit	Market Development	Doc / PDF
EA-020	Audit Report	Market Development	Doc / PDF

Table 7: Ex-Ante-Market Development

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6.2.15.2 EX-ANTE MARKET DATA

6.2.15.2.1 AUCTION RESULTS

ID	Document	Category	Format
EA-001	ETS Market Results	Market Data	CSV
EA-002	ETS Bid File	Market Data	CSV
EA-003	Report will not be available for the initial I-SEM Go Live, as Block Orders are not an available product type for SEMOpX.	Market Data	XML
EA-004	Bid/Ask Curves	Market Data	XML

ID	Document	Category	Format
EA-006	Exchange Transparency	Market Data	• XML

Table 8: Ex-Ante Auction Results

Table 10: Ex-Ante Markets: Auction Results Publications

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6.2.25.2.2 CONTINUOUS TRADING RESULTS

ID	Document	Category	Format
EA-007	Intraday Market Results Trade	Market Data	XML
EA-008	Intraday Market Results Order	Market Data	XML
EA-009	Intraday Market Results Statistics	Market Data	• CSV

Table 9: Continuous Trading Results

Table 11: Ex-Ante Markets: Continuous Trading Results Publications

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7—BALANCING MARKET PUBLICATIONS

The data publications that will be available via the SMO and SEMOpX website for the Balancing Market can be organised into two groupings: market development and market data. The definition for these groupings, and a list of the known data publications for the Balancing Market, are shown below.

- **Market Development**—the process by which the market rules (and associated obligations) are agreed, modified and reported on via the Modifications Committee, along with the processes by which Disputes are handled and Regulatory Authority decisions published.
- **Market Data**—data and information published in relation to Balancing Market including registration, forecast data, commercial and technical offer data, imbalance price, and settlement information.
- **Market Methodologies and Processes**—informational reports on the methodologies and processes used by the market operator and TSO when conducting functions such as scheduling and dispatch, imbalance pricing calculations, flagging and tagging, and cross-zonal capacity calculations.
- **Market Operator Performance**—informational reports on the performance of the market operator when conducting key functions such as imbalance pricing, flagging and tagging, and scheduling and dispatch.

7.1—BALANCING MARKET DEVELOPMENT

ID	Document	Category	Format
BM-118	Trading and Settlement Code (including Agreed Procedures)	To be added later	Doc / PDF
BM-119	Schedule and dates of Modification Panel meetings	To be added later	Doc / PDF
BM-120	Modification Proposal	To be added later	Doc / PDF
BM-121	Public consultation on Modification Proposal	To be added later	Doc / PDF
BM-122	Responses to Public Consultation on Modification Proposal	To be added later	Doc / PDF
BM-123	Further information on Modification Proposal	To be added later	Doc / PDF
BM-124	Final Recommendation Report	To be added later	Doc / PDF
BM-125	Regulatory Authority decision on Final Modification Recommendation	To be added later	Doc / PDF
BM-126	Members and Chairperson of the Modification Committee	To be added later	Doc / PDF
BM-127	Terms of Reference for Market Operator Audit	To be added later	Doc / PDF
BM-128	Audit Report	To be added later	Doc / PDF

Table 12: Balancing Market: Market Development Publications

7.2—BALANCING MARKET DATA

7.2.1—REGISTRATION

ID	Document	Category	Format
BM-001	List of Registered Units	To-be added later	XML
BM-002	List of Registered Parties	To-be added later	XML
BM-003	Registered Capacity	To-be added later	XML
BM-004	Making or lifting of a Suspension Order	To-be added later	Doc / PDF
BM-005	Termination Order	To-be added later	Doc / PDF
BM-006	Accession Fees and Participation Fees	To-be added later	Doc / PDF
BM-003	Date of the next meeting of the Modifications Committee	To-be added later	Doc / PDF
BM-007	Supplier Suspension Delay Period	To-be added later	Doc / PDF
BM-008	Generator Suspension Delay Period	To-be added later	Doc / PDF

Table 13: Balancing Market: Registration Publications

7.2.2 FORECAST DATA

Report ID	Document	Category	Format
BM-009	Annual Load Forecast	To-be added later	XML
BM-010	Daily Load Forecast Summary	To-be added later	XML
BM-011	Monthly Load Forecast and Assumptions	To-be added later	XML
BM-012	Four Day Rolling Wind Power Unit Forecast	To-be added later	XML
BM-013	Four Day Aggregated Rolling Wind Unit Forecast	To-be added later	XML
BM-014	Forecast Imbalance	To-be added later	XML
BM-015	Net Imbalance Volume Forecast	To-be added later	XML
BM-016	Aggregated Wind Forecast	To-be added later	XML
BM-018	Daily Interconnector NTC	To-be added later	XML

Table 14: Balancing Market: Forecast Publications

7.2.3 INPUTS, COMMERCIAL AND TECHNICAL OFFER DATA

ID	Document	Category	Format
BM-019	Annual CLAF	To-be added later	XML
BM-020	Aggregated Final Physical Notifications	To-be added later	XML
BM-021	Anonymised Inc/Dec Curves	To-be added later	XML, CSV
BM-022	System Shortfall Imbalance Index and System Imbalance Flattening Factor	To-be added later	XML
BM-023	Final Physical Notifications	To-be added later	XML

ID	Document	Category	Format
BM-024	Generator Unit Under Test Notice	To be added later	Doc / PDF
BM-025	Imbalance Price Report (Imbalance Pricing Period)	To be added later	XML
BM-026	Imbalance Price Report (Imbalance Settlement Period)	To be added later	Doc / PDF
BM-027	Information Imbalance Price	To be added later	Doc / PDF
BM-028	Price Materiality Threshold	To be added later	Doc / PDF
BM-029	Settlement Recalculation Threshold	To be added later	Doc / PDF
BM-030	Imbalance Weighting Factor	To be added later	Doc / PDF
BM-031	De Minimis Acceptance Threshold	To be added later	Doc / PDF
BM-032	Technical Offer Data Accepted	To be added later	XML
BM-033	Forecast Availability	To be added later	XML
BM-034	Commercial Offer Data Accepted	To be added later	XML
BM-036	Demand Control	To be added later	XML
BM-037	Daily Dispatch Instructions (D+1) Reports	To be added later	XML
BM-038	Daily Dispatch Instructions (D+4) Reports	To be added later	XML
BM-039	Tracked Difference Payment Shortfall Amount	To be added later	Doc / PDF
BM-040	Carbon Price	To be added later	Doc / PDF
BM-041	Natural Gas Fuel Price	To be added later	Doc / PDF
BM-042	Oil Fuel Price	To be added later	Doc / PDF
BM-043	Peaking Unit Theoretical Efficiency	To be added later	Doc / PDF
BM-044	Natural Gas Carbon Intensity Factor	To be added later	Doc / PDF
BM-045	Oil Carbon Intensity Factor	To be added later	Doc / PDF
BM-046	Aggregated Settlement Period	To be added later	Doc / PDF
BM-047	Annual Stop-Loss Limit Factor	To be added later	Doc / PDF
BM-048	Billing Period Stop-Loss Limit Factor	To be added later	Doc / PDF
BM-049	Total Capacity Awarded	To be added later	Doc / PDF
BM-050	Response Period Duration	To be added later	Doc / PDF
BM-051	Annual Capacity Charge Exchange Rate	To be added later	Doc / PDF
BM-052	Capacity Duration Exchange Rate	To be added later	Doc / PDF
BM-053	Capacity Charge Metered Quantity Factor	To be added later	Doc / PDF
BM-054	Supplier Capacity Charge Price	To be added later	Doc / PDF
BM-055	Difference Payment Socialisation Multiplier	To be added later	Doc / PDF
BM-056	Market Price Cap	To be added later	Doc / PDF

ID	Document	Category	Format
BM-057	Market Price Floor	To be added later	Doc / PDF
BM-058	Residual Meter Volume Interval Proportion	To be added later	Doc / PDF
BM-059	Residual Error Volume Price	To be added later	Doc / PDF
BM-060	Fixed Market Operator Charge (Supplier Unit)	To be added later	Doc / PDF
BM-061	Fixed Market Operator Charge (Generator Unit)	To be added later	Doc / PDF
BM-062	Variable Market Operator Price	To be added later	Doc / PDF
BM-063	Engineering Tolerance	To be added later	Doc / PDF
BM-064	MW Tolerance	To be added later	Doc / PDF
BM-065	System per Unit Regulation Factor	To be added later	Doc / PDF
BM-066	DOG/PUG/TOLOG/TOLUG For Over//Under Generation	To be added later	Doc / PDF
BM-067	Transmission Loss Adjustment Factors	To be added later	Doc / PDF
BM-068	Distribution Loss Adjustment Factors	To be added later	Doc / PDF
BM-069	Combined Loss Adjustment Factors	To be added later	Doc / PDF
BM-070	Imperfections Price	To be added later	Doc / PDF
BM-071	Imperfections Charge Factor	To be added later	Doc / PDF
BM-072	Testing Tariff	To be added later	Doc / PDF
BM-073	Schedule of Testing Tariffs	To be added later	Doc / PDF
BM-074	Fixed Credit Requirement, in respect of Generator and/or Supplier Units	To be added later	Doc / PDF
BM-075	Days in Historical Assessment Period	To be added later	Doc / PDF
BM-076	Analysis Percentile Parameter	To be added later	Doc / PDF
BM-077	Credit Cover Adjustment Trigger	To be added later	Doc / PDF
BM-078	Currency Cost Price	To be added later	Doc / PDF
BM-079	Currency Cost Charge Factor	To be added later	Doc / PDF
BM-080	Annual Maintenance Schedule – Transmission Line Outages	To be added later	XLS
BM-081	Two Year Maintenance Schedule – Generator Outages Schedule	To be added later	XLS
BM-082	Monthly Maintenance Schedule – Generator Unit outages	To be added later	XLS
BM-083	Monthly Maintenance Schedule – Transmission System line outages	To be added later	XLS
BM-084	Trading Day Exchange Rate between euro (€) and pounds sterling (£)	To be added later	XML

Table 15: Balancing Market: Inputs, Commercial, and Technical Offer Data Publications

7.2.4 SETTLEMENT DATA

ID	Document	Category	Format
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ID	Document	Category	Format
BM-085	Settlement Calendar	To-be added later	XML
BM-086	Daily Meter Data (Metered Generation by Unit)	To-be added later	XML
BM-087	Initial Interconnector Flows and Residual Capacity	To-be added later	XML
BM-088	Daily Transmission Outage Schedule	To-be added later	XML
BM-089	System Frequency Report	To-be added later	XML
BM-090	SO Interconnector Trades	To-be added later	XML
BM-091	Unit Data	To-be added later	XML
BM-095	Balancing and Imbalance Market Cost View	To-be added later	XML
BM-096	Dispatch Quantity	To-be added later	XML
BM-098	Aggregated Contracted Quantities for Generation	To-be added later	XML
BM-099	Aggregated Contracted Quantities for Demand	To-be added later	XML
BM-100	Aggregated Contracted Quantities for Wind	To-be added later	XML
BM-101	Average Outturn Availability	To-be added later	XML
BM159	Outturn Availability	To-be added later	XML
BM-160	Hourly Dispatch Instructions Report	To-be added later	XML
BM-161	Hourly SO Interconnector Trades Report	To-be added later	XML
BM-102	Unit Under Test	To-be added later	XML
BM-103	Energy Market Financial Publication — Indicative	To-be added later	XML
BM-104	Energy Market Financial Publication — Initial	To-be added later	XML
BM-105	Capacity Payments by Market	To-be added later	XML
BM-106	Capacity Payments by Unit	To-be added later	XML
BM-094	Metered Volumes by Jurisdiction	To-be added later	XML
BM-107	Generator Unit Technical Characteristics Data Transaction	To-be added later	XML
BM-108	Credit Assessment Price	To-be added later	Doc / PDF
BM-109	Billing Period Undefined Potential Exposure Quantity	To-be added later	Doc / PDF
BM-110	Trading Payments and Charges	To-be added later	Doc / PDF
BM-111	Capacity Quantity Scaling Factor	To-be added later	Doc / PDF
BM-112	Required Capacity Quantity	To-be added later	Doc / PDF
BM-113	Reserve Adjustment Capacity	To-be added later	Doc / PDF
BM-114	Net Capacity Quantity	To-be added later	XML
BM-115	Energy Market Information Publication — Indicative	To-be added later	XML
BM-116	Energy Market Information Publication — Initial	To-be added later	XML

ID	Document	Category	Format
BM-147	Capacity Market Information Publication — Indicative	To-be added later	XML
BM-148	Capacity Market Information Publication — Initial	To-be added later	XML
BM-149	Capacity Market Financial Publication — Indicative	To-be added later	XML
BM-150	Capacity Market Financial Publication — Initial	To-be added later	XML
BM-151	Metered Generation Information Publication — Indicative	To-be added later	XML
BM-152	Metered Generation Information Publication — Initial	To-be added later	XML
BM-153	Make-Whole Payments	To-be added later	XML
BM-154	Cross-Border Monthly Capacity Data	To-be added later	XML
BM-155	Cross-Border Weekly Energy Data	To-be added later	XML

Table 16: Balancing Market: Settlement Data Publications

7.2.5 OTHER

ID	Document	Category	Format
BM-130	Quarterly Renewable Dispatch Down (Constraint & Curtailment)	To-be added later	Doc / PDF
BM-131	Annual Renewable Dispatch Down (Constraint & Curtailment)	To-be added later	Doc / PDF
BM-132	Quarterly Constraint Cost Outturn	To-be added later	Doc / PDF

Table 17: Balancing Market: Other Publications

7.2.6 OPERATIONAL REPORTS

ID	Document	Category	Format
BM-145	Proposed Market Operator Isolated Market System Testing Schedule	To-be added later	Doc / PDF
BM-137	Monthly Constraints Update	To-be added later	Doc / PDF
BM-138	Weekly Constraints Update	To-be added later	Doc / PDF
BM-139	Ad-hoc Constraints Update	To-be added later	Doc / PDF
BM-162	LTS Operational Schedule Report, Member Public	To-be added later	XML
BM-163	RTIC Operational Schedule Report, Member Public	To-be added later	XML

Table 18: Balancing Market: Operational Reports

7.3 MARKET METHODOLOGIES AND PROCESSES

7.3.1 METHODOLOGIES

ID	Document	Category	Format
BM-146	Calculations and methodology used by the Market Operator during Administered Settlement	To-be added later	Doc / PDF

ID	Document	Category	Format
BM-129	Interim Cross-Zonal Capacity Calculation	To be added later	Doc / PDF
BM-136	Balancing Market Principles Statement	To be added later	Doc / PDF
BM-157	Determination of Scheduling and Dispatch Policy Parameters	To be added later	Doc / PDF
BM-158	System Operator and Non-Marginal Flagging	To be added later	Doc / PDF

Table 19: Balancing Market: Methodologies

7.3.1— OPERATIONAL PROCESSES

ID	Document	Category	Format
BM-140	Demand Forecasting	To be added later	Doc / PDF
BM-141	Scheduling	To be added later	Doc / PDF
BM-142	Dispatch	To be added later	Doc / PDF
BM-143	Cross-Zonal Actions	To be added later	Doc / PDF
BM-144	Wind Farm Controllability Categorisation	To be added later	Doc / PDF

Table 20: Balancing Market: Operational Processes

7.4— MARKET OPERATOR PERFORMANCE

7.4.1— MARKET OPERATOR PERFORMANCE

ID	Document	Category	Format
BM-117	Market Operator Performance Report	To be added later	Doc / PDF
BM-133	Annual All-Island Transmission System Performance Report	To be added later	Doc / PDF
BM-134	Scheduling and Dispatch Policy Parameter Performance Report	To be added later	Doc / PDF
BM-135	Annual Scheduling and Dispatch Process Audit Report	To be added later	Doc / PDF

Table 21: Balancing Market: Market Methodologies and Processes

8—APPENDIX A: CAPACITY MARKET PUBLICATION DETAILS

~~This appendix will include detailed information on the reports and their data from the Capacity Market.~~

8.1—CAPACITY MARKET DEVELOPMENT

8.1.1—CM-001: CAPACITY MARKET CODE (INCLUDING AGREED PROCEDURES)

~~This document contains the Capacity Market Code including Agreed Procedures.~~

ISEM Report Reference:	CM-001
Audience:	General Public
Frequency:	No less frequently than twice yearly in line with the Scheduled Release.
Report Format:	Word/PDF

8.1.2—CM-002: EFFECTIVE MODIFICATIONS NOT YET INCORPORATED INTO THE CAPACITY MARKET CODE

~~The report includes modifications that have been approved but not incorporated into the Capacity Market Code.~~

ISEM Report Reference:	CM-002
Audience:	General Public
Frequency:	No less frequently than twice yearly in line with the Scheduled Release.
Report Format:	Word/PDF

8.1.3—CM-003: MODIFICATION FINALISATION DATE FOR A CAPACITY AUCTION

~~This report contains the date ("Modification Finalisation Date") determined by the Regulatory Authorities by which Modifications Proposals should generally be made in order for them to have effect in respect of a Capacity Auction.~~

ISEM Report Reference:	CM-003
Audience:	General Public
Frequency:	Within two Working Day of receiving notice of determination by the Regulatory Authorities.
Report Format:	Word/PDF

8.1.4—CM-004: MODIFICATION PROPOSAL AND ASSOCIATED STATUS

~~This report contains details pertaining to individual modification proposals and their associated status.~~

ISEM Report Reference:	CM-004
Audience:	General Public

~~Frequency:~~ ~~As required.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.1.5 CM-005: REGULATORY AUTHORITY NOTICES~~

~~This report contains notices provided to the Systems operator by the Regulatory Authorities.~~

~~ISONSEM Report Reference:~~ ~~CM-005~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~as soon as reasonably practicable, but not later than five Working Days of its receipt from the Regulatory Authorities.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.1.6 CM-006: QUARTERLY REPORT ON STATUS OF MODIFICATION PROPOSALS~~

~~This report contains the collated status of modification proposals.~~

~~ISONSEM Report Reference:~~ ~~CM-006~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Quarterly, with a report not less than one month prior to the Modification Finalisation Date, if such a date has been set by the Regulatory Authorities~~
~~Report Format:~~ ~~Word/PDF~~

~~8.1.7 CM-007: DECISION ON MODIFICATION PROPOSAL~~

~~This report contains the Regulatory Authorities decision on an individual modification proposal.~~

~~ISONSEM Report Reference:~~ ~~CM-007~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Within two working Days of the Regulatory Authorities providing a Modification Proposal decision to the System Operators~~
~~Report Format:~~ ~~Word/PDF~~

~~8.1.8 CM-008: MODIFICATION PROPOSAL FORM~~

~~This document contains the updated Modifications Proposal form.~~

~~ISONSEM Report Reference:~~ ~~CM-008~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~As required.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.1.9 CM-009: CAPACITY AUCTION MONITOR, TERMS OF REFERENCE~~

~~This report details the terms of reference used by the Capacity Auction Monitor in monitoring the processes and procedures followed by the System Operators in carrying out the Qualification Process and conducting Capacity Auctions.~~

~~ISEM Report Reference: CM-009
Audience: General Public
Frequency: Within one Working Day of its receipt from the Regulatory Authorities to the extent directed by the Regulatory Authorities
Report Format: Word/PDF~~

8.1.10 CM-010: CAPACITY AUCTION AUDIT REPORT (NON-CONFIDENTIAL)

~~This report contains the non-confidential version of the Capacity Auction Audit Report.~~

~~ISEM Report Reference: CM-010
Audience: General Public
Frequency: This report contains the non-confidential version of the Capacity Auction Audit Report.
Report Format: Word/PDF~~

8.1.11 CM-011: DISPUTE PROCESS TIMETABLE

~~This report contains details of the dispute process timetable.~~

~~ISEM Report Reference: CM-011
Audience: General Public
Frequency: As required
Report Format: Word/PDF~~

8.1.12 CM-012: NOTICE OF DISPUTE FORM

~~This document contains the updated form of Notice of Dispute.~~

~~ISEM Report Reference: CM-011
Audience: General Public
Frequency: As required
Report Format: Word/PDF~~

8.1.13 CM-013: PANEL CHAIR, PANEL MEMBERS AND ASSOCIATED CVS

~~This report contains the names of members and chairperson of the panel, and the name and curriculum of the panel members.~~

~~ISEM Report Reference: CM-013
Audience: General Public
Frequency: As updated and at least within two working days.~~

~~Report Format:~~ ~~Word/PDF~~

~~8.2 CAPACITY MARKET DATA~~

~~8.2.1 CM-014: LIST OF CAPACITY MARKET CODE PARTIES AND PARTICIPANTS~~

~~This report contains the list of registered Capacity Market Code Parties and Participants.~~

~~ISONEMOpx Report Reference:~~ ~~CM-014~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Updated at least within five Working Days of a successful Application for Registration or Deregistration.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.2.2 CM-015: NOTICE OF MAKING OR LIFTING A SUSPENSION ORDER~~

~~This report contains the notice of making or lifting a suspension for a participant.~~

~~ISONEMOpx Report Reference:~~ ~~CM-015~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~It will be published as soon as reasonably practicable after being issued and at least within two Working Days of issue.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.2.3 CM-016: TERMINATION ORDER~~

~~This report contains a notice of termination for a Party that specifies the time and date from which the Termination or Deregistration will take effect and the terms of the Termination or Deregistration.~~

~~ISONEMOpx Report Reference:~~ ~~CM-016~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~It will be published as soon as reasonably practicable after being issued and at least within two Working Days of issue.~~
~~Report Format:~~ ~~Word/PDF~~

~~8.2.4 CM-017: ACCESSION FEES AND PARTICIPATION FEES~~

~~This report contains details of the approved rate and basis for Accession Fees and Participation Fees.~~

~~ISONEMOpx Report Reference:~~ ~~CM-017~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~As updated and at least within two Working Days of update~~
~~Report Format:~~ ~~Word/PDF~~

8.2.5 CM-018: QUALIFICATION CHARGE, FIXED SYSTEM OPERATOR CHARGE AND VARIABLE SYSTEM OPERATOR CHARGE

This report contains details of the approved rate and basis for Qualification Charge, Fixed System Operator Charge and Variable System Operator Charge.

ISEM Report Reference: CM-018
Audience: General Public
Frequency: As updated and at least within two Working Days of update
Report Format: Word/PDF

8.2.6 CM-019: MARKET QUALIFICATION REPORT

This report contains results from Capacity Market qualification processing.

ISEM Report Reference: CM-019
Periodicity: Per Primary Auction
Report Name: Market Qualification Report
Provisional Qualification Report:
MQR_P_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME]
Final Auction Report:
MQR_F_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME]
File Names:
Where:
DOWNLOAD_DATE format is: dd-mm-yyyy
DOWNLOAD_TIME format is: 24hh-mm-ss
Report Title: Market Qualification Report
Audience: General Public
Resolution: Primary Auction
Time Span: Capacity Period
Frequency: Per Primary Auction
Report Format: CSV (delimited with semicolon)

Note: the following information is captured in the file name:

- ▲ Primary Auction Name
- ▲ Report Type (Provisional, Final)

Field Name	Format	Description
TECHNOLOGY-CLASS-ID	Text	Identifies the Technology class of the Generator Unit.
New Total Gross De-rated Capacity	NUMBER(8,3)	The Total Qualified Gross De-rated Capacity for this Capacity Type.
New Total Awarded Capacity	NUMBER(8,3)	The Total Awarded Capacity for this Capacity Type
New Total Net De-rated Capacity	NUMBER(8,3)	The Total Net De-rated Capacity for this Capacity Type
Existing Total Gross De-rated Capacity	NUMBER(8,3)	The Existing Qualified Gross De-rated Capacity for this Capacity Type.
Existing Total Awarded Capacity	NUMBER(8,3)	The Existing Awarded Capacity for this Capacity Type
Existing Total Net De-rated Capacity	NUMBER(8,3)	The Existing Net De-rated Capacity for this Capacity Type

Field Name	Format	Description
Generator Unit Type	Text	The Generator Unit type classification.
Gross New De-rated Capacity	NUMBER(8,3)	The Gross New De-rated Capacity for this Capacity Type
Gross Existing De-rated Capacity	NUMBER(8,3)	The Gross Existing De-rated Capacity for this Capacity Type

Table 22: Market Qualification Report

~~8.2.7 CM-020: REPORTING SCHEDULE FOR AWARDED NEW CAPACITY~~

This report contains the reporting schedule for Awarded New Capacity in respect of a new or refurbished Generator Unit or Interconnector.

~~ISEM Report Reference:~~ *CM-020*
~~Audience:~~ *General Public*
~~Frequency:~~ *As required*
~~Report Format:~~ *Word/PDF*

~~8.2.8 CM-021: IMPLEMENTATION PROGRESS REPORTS FORM~~

This report contains the Implementation Reports Form which a Participant with Awarded New Capacity shall submit to the System Operators at each of the times specified in the applicable reporting schedule.

~~ISEM Report Reference:~~ *CM-021*
~~Audience:~~ *General Public*
~~Frequency:~~ *As required*
~~Report Format:~~ *Word/PDF*

~~8.2.9 CM-022: NOTICE OF TERMINATION OF AWARDED CAPACITY~~

This report contains the Notice of Termination of Awarded Capacity issued to a Participant.

~~ISEM Report Reference:~~ *CM-022*
~~Audience:~~ *General Public*
~~Frequency:~~ *As required*
~~Report Format:~~ *Word/PDF*

~~8.2.10 CM-023: CAPACITY AUCTION TIMETABLE~~

This report contains the Capacity Auction Timetable, including updates and revocation.

~~ISEM Report Reference:~~ *CM-023*
~~Audience:~~ *General Public*
~~Frequency:~~ *Within 2 Working Days of it being approved, determined, amended or revoked.*
~~Report Format:~~ *Word/PDF*

8.2.11 CM-024: CAPACITY AUCTION INFORMATION PACK

This report contains information for Market Participants in advance of a Capacity Auction.

<i>ISONEMOpx Report Reference:</i>	CM-024
<i>Audience:</i>	General Public
<i>Frequency:</i>	In advance of any and all Capacity Auctions.
<i>Report Format:</i>	Word/PDF

8.2.12 CM-025: CANCELLATION OF CAPACITY AUCTION

This report contains notice of cancellation of Capacity Auction.

<i>ISONEMOpx Report Reference:</i>	CM-025
<i>Audience:</i>	General Public
<i>Frequency:</i>	Five Working Days Prior to a Capacity Auction Submission Commencement date if the Regulatory Authorities have not provided a Demand Curve to the System Operators
<i>Report Format:</i>	Word/PDF

8.2.13 CM-027: CAPACITY AUCTION RESULTS

This report contains results from each Capacity Auction.

<i>ISONEMOpx Report Reference:</i>	CM-027
<i>Data Source:</i>	CMP
<i>Periodicity:</i>	Per Capacity Auction
<i>Report Name:</i>	Market Auction Results
<i>File Names:</i>	Provisional Auction Results: MAR_P_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME] Final Auction Results: MAR_F_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME] Where: DOWNLOAD_DATE format is: dd-mm-yyyy DOWNLOAD_TIME format is: 24hh-mm-ss
<i>Report Title:</i>	Capacity Auction Results
<i>Audience:</i>	General Public
<i>Resolution:</i>	Capacity Market Auction
<i>Time Span:</i>	Auction time horizon
<i>Frequency:</i>	Per Capacity Auction
<i>Report Format:</i>	CSV (delimited with semicolon)

Note: the following information is captured in the file name:

— Primary Auction ID

— Report type

Field Name	Format	Description
Delivery Period Start	DateTime YYYY-MM-DDTHH:MM:SSZ	The start of the delivery period.
Delivery Period End	DateTime YYYY-MM-DDTHH:MM:SSZ	The end of the delivery period.
Existing Capacity Price Cap	NUMBER(8,2)	Default Capacity Market Auction Offer Price Cap applicable to existing capacity.
Auction Price Cap	NUMBER(8,2)	Default Capacity Market Auction Offer Price Cap applicable to New Capacity
Annual Capacity Exchange Rate	NUMBER(5,4)	This will be used to convert prices from Euro to Sterling and vice-versa.
Auction Clearing Price in Euro	NUMBER(8,2)	Auction Clearing Price in Euro
Auction Clearing Price in Sterling	NUMBER(8,2)	Auction Clearing Price in Sterling. This could be higher than the clearing price due to the award of capacity to out of merit offers as a result of auction constraints
Average Price of Awarded Capacity in Euro	NUMBER(8,2)	Average Price of Awarded Capacity in Euro
Average Price of Awarded Capacity in Sterling	NUMBER(8,2)	Average Price of Awarded Capacity in Sterling
Average Duration of Awarded Capacity	NUMBER(8,2)	Average Duration of Awarded Capacity
Number of participating CMUs	NUMBER(4,0)	Number of CMUs that submitted an offer with quantity greater than zero, including Participants of CMU, where CMO offer was inserted on their behalf.
Number of successful CMUs	NUMBER(4,0)	Number of CMUs awarded greater than zero capacity
Total Social Welfare	NUMBER(8,2)	This is the sum of social welfares for each successful offer where social welfare is calculated as per the Primary Auction Algorithm
Total Capacity Offered	NUMBER(8,3)	The total quantity offered into the auction
Total Capacity Awarded	NUMBER(8,3)	The total quantity awarded in the auction

Table 23: Capacity Auction Results Main Section

8.2.14 CM-028: AMENDED CAPACITY AUCTION TIMETABLE FOLLOWING GENERAL SYSTEMS FAILURE

This report contains the amended Capacity Auction Timetable following general systems failure.

ISEM Report Reference: CM-028
Audience: General Public
Frequency: As required
Report Format: Word/PDF

8.2.15 CM-029: UPDATED ANNUAL CAPACITY PAYMENT EXCHANGE RATE AND MONTHLY CAPACITY PAYMENT EXCHANGE RATES

This report contains the updated Annual Capacity Payment Exchange Rate and Monthly Capacity Payment Exchange Rate.

ISEM Report Reference: CM-029
Audience: General Public
Frequency: As required
Report Format: Word/PDF

8.2.16 CM-030: CAPACITY AUCTION RESULTS—CONSTRAINTS DATA

This report contains constraints data from each Capacity Auction.

ISEM Report Reference: CM-030
Data Source: CMP
Periodicity: Per Primary Auction
Report Name: Capacity Auction Results
Provisional Auction Results Constraints Data:
MAR_P_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME]_Constraints
Final Auction Results Constraints Data:
MAR_F_[AUCTION_NAME]_[DOWNLOAD_DATE]_[DOWNLOAD_TIME]_Constraints
File Names:
Where:
DOWNLOAD_DATE format is: dd-mm-yyyy
DOWNLOAD_TIME format is: hh24-mi-ss
Report Title: Capacity Auction Results
Audience: General Public
Resolution: Capacity Market Auction
Time Span: Auction time horizon
Frequency: Per Primary Auction
Report Format: CSV (delimited with semicolon)

Note: the following information is captured in the file name:

- ▲ Primary Auction ID
- ▲ Report type

Field Name	Format	Description
Constraint ID	Text	Unique Description of Constraint
Limit (MW)	NUMBER(8,3)	Constraint Limit in MW
Awarded Capacity (MW)	NUMBER(8,3)	Awarded capacity of all CMU related to selected constraint in MW
Satisfied	Text	Flag that shows whether constraint was satisfied for current auction results. Possible values: "Yes", "No"

Table 24: Capacity Auction Results Footer Section

APPENDIX BA: EX-ANTE (SEMOPX) MARKET PUBLICATION DETAILS

~~Further content will be provided in future issue:~~

~~Additional SEMOpx report specifications will be included in a future issue of the I-SEM Data Publication Guide.~~

~~In future releases of the Data Publication Guide, this section will include additional report specification and their data from the Ex-Ante (SEMOPX) Market. This will include:~~

- ~~1. Report details (data, data type)~~
- ~~2. Report format (i.e. CSV, XML, Microsoft Word, PDF)~~
- ~~3. Mechanisms by which the report is available (static download, Type 2/3 dynamic query)~~

9.1.16.1 EX-ANTE (SEMOPX) MARKET DEVELOPMENT

9.1.16.1.1 EA-010: SEMOPX RULES (INCLUDING OPERATING PROCEDURES)

This report contains the SEMOpx Rules, including Operating Procedures.

<i>I-SEM Report Reference:</i>	<i>EA-010</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.26.1.2 EA-011: SCHEDULE AND DATES OF MODIFICATION PANEL MEETINGS

This report contains the planned schedule and dates of the Modification Panel meetings.

<i>I-SEM Report Reference:</i>	<i>EA-011</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.36.1.3 EA-012: MODIFICATION PROPOSAL

This report contains the details of a submitted Modification Proposal which has been accepted for consideration by the Modification Panel Committee.

<i>I-SEM Report Reference:</i>	<i>EA-012</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.46.1.4 EA-013: PUBLIC CONSULTATION ON MODIFICATION PROPOSAL

This report contains the request from the Modification Committee Secretariat for the public's views on a particular Modification Proposal.

<i>I-SEM Report Reference:</i>	<i>EA-013</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.56.1.5 EA-014: RESPONSES TO PUBLIC CONSULTATION ON MODIFICATION PROPOSAL

This report contains the collated responses to the Consultation paper issued by the Modification Committee Secretariat for the public's views on a particular Modification Proposal.

<i>I-SEM Report Reference:</i>	<i>EA-014</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.66.1.6 EA-015: FURTHER INFORMATION ON MODIFICATION PROPOSAL

This report contains any further relevant information received by the Modifications Committee in relation to a particular Modification Proposal.

<i>I-SEM Report Reference:</i>	<i>EA-123</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.76.1.7 EA-016: FINAL RECOMMENDATION REPORT

This report contains the Final Recommendation Report of the Modifications Committee on a particular Modification Proposal.

<i>I-SEM Report Reference:</i>	<i>EA-016</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

9.1.86.1.8 EA-017: REGULATORY AUTHORITY DECISION ON FINAL MODIFICATION RECOMMENDATION

This report contains the Regulatory Authority decision on the Final Modification Recommendation of a Particular Modification Proposal.

I-SEM Report Reference: EA-017
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

~~9.1.16.1.9~~ EA-018: MEMBERS AND CHAIRPERSON OF THE MODIFICATION COMMITTEE

This report contains the names of the members and chairperson of the Modification Committee.

I-SEM Report Reference: EA-018
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

~~9.1.16.1.10~~ EA-019: TERMS OF REFERENCE FOR MARKET OPERATOR AUDIT

This report contains the terms of reference by which the nominated Market Operator Auditor conducts an audit of the Rules, its operation and implementation and the operations, trading arrangements, procedures and processes under the Rules.

I-SEM Report Reference: EA-019
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

~~9.1.16.1.11~~ EA-020: AUDIT REPORT

This report contains the Market Operator Auditor's findings in the audit of the Rules, its operation and implementation and the operations, trading arrangements, procedures and processes under the Rules.

I-SEM Report Reference: EA-020
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

~~9.26.2~~ EX-ANTE (SEMOPX) MARKET DATA

~~9.2.16.2.1~~ EA-001: ETS MARKET RESULTS

These reports contain the results from the Day-Ahead and Intraday Auction run by SEMOpX. These reports include all market-wide and SEMOpX Member specific results.

~~9.2.16.2.1.1~~ ETS MARKET RESULTS FILES

The ETS~~SA~~ Market Results are delivered in four files, one for each of the auctions. They are:

Auction	Filemask
Day-Ahead Auction Results	MarketResult_SEM-DA_PWR-MRC-D+1_<AUCTION DATE as

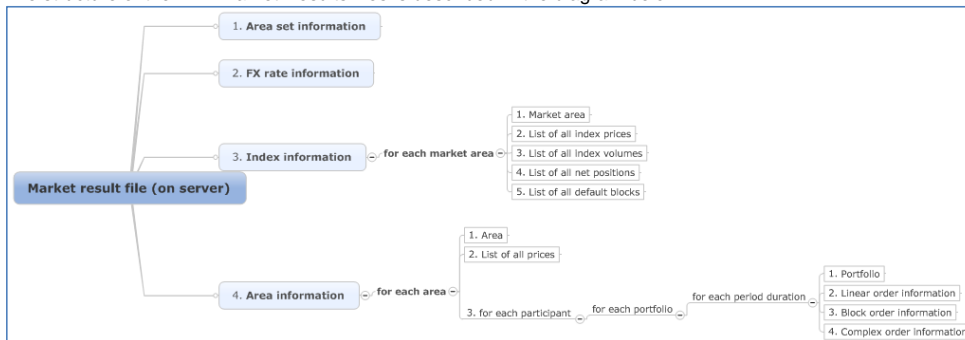
Auction	Filemask
	YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 1 Auction Results	MarketResult_SEM-IDA1_PWR-SEM-GB-D+1_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 2 Auction Results	MarketResult_SEM-IDA2_PWR-SEM-GB-D_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 3 Auction Results	MarketResult_SEM-IDA3_PWR-SEM-D_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv

I-SEM Report Reference: EA-001
Data Source: SEMOpX (ETS)
Periodicity: Daily
Audience: General Public
Resolution: Day-Ahead: Hourly
Intraday: Half-hourly
Time Span: Per each auction specification
Frequency: Daily, at D+1 relative to the trading day.
Report Format: CSV
Note: the data in this report are semi-colon (;) separated, with commas (,) used as decimals.

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9.2.1.1-16.2.1.1 ETS MARKET RESULTS FILE STRUCTURE

The structure of the ETA Market Results files is described in the diagram below.



9.2.1.26.2.1.2 ETS MARKET RESULTS FILE: AREA SET SECTION

Area Set Information: Line 1 (Area set name)

Col. #	Type	Description
1	Char(8)	"Area set"
2	Char(50)	Area set name.

Area Set Information: Line 2 (Auction name)

Col. #	Type	Description
1	Char(12)	"Auction name"
2	Char(40)	Name of the auction (e.g. SEMO DAM Auction, SEMO IDA 1 Auction...).

Area Set Information: Line 3 (Auction date/time)

Col. #	Type	Description
1	Char(17)	"Auction Date Time"
2	DateTime	Auction date time in UTC: YYYY-MM-DDThh:mm:ssZ

9.2.1.36.2.1.3 ETS MARKET RESULTS FILE: FX RATE SECTION

FX Rate Information: Line 1 (FX Rate Header)

Col. #	Type	Description
1	Char(8)	"FX Rates"

FX Rate Information: Line 2 (FX Rate Details - only received FX Rates are reported)

Col. #	Type	Description
1	Char(3)	Value of Currency From: "EUR"
2	Char(3)	Value of Currency To: "GBP"
3	Number(16,8)	Value of currency rate. For EirGrid, the supplied FX rate will have a maximum of 4dp

9.2.1.46.2.1.4 ETS MARKET RESULTS FILE: INDEX SECTION

The following section (Index Information) is repeated for NI and ROI

Index Information: Line 1 (Market Area Name)

Col. #	Type	Description
1	String	"Market Area"
2	String	"NI-DA", "NI-IDA1", "NI-IDA2", "NI-IDA3", "ROI-DA", "ROI-IDA1", "ROI-IDA2", "ROI-IDA3"

Index Information: Line 2 (Index Prices)

Col. #	Type	Description
1	Char(12)	"Index prices"
2	Number(3)	Period duration in minute: "30", "60"
3	Char(3)	Currency: "EUR", "GBP"

Index Information: Line 3 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	<p>Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has 32<u>24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has 48<u>12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 4 (Index Price)

Col. #	Type	Description
1 -> n	Date Time	<p>Value of Index Price in defined currency</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has 32<u>24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has 48<u>12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 5 (Index Volume Definition)

Col. #	Type	Description
1	Char(13)	"Index volumes"
2	Number(3)	Period duration in minutes: "30", "60"

Index Information: Line 6 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	<p>Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 7 (Index Volume)

Col. #	Type	Description
1 -> n	Date Time	<p>Value of Index volume</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 8 (Net Position Definition)

Col. #	Type	Description
1	Char(12)	"Net position"
2	Number(3)	Period duration in minutes: "30", "60"

Index Information: Line 9 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	<p>Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 10 (Net Position Volume)

Col. #	Type	Description
1 -> n	Date Time	<p>Value of net position volume</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Index Information: Line 11 (Block Header - EUR)

Col. #	Type	Description
1	String	"Default blocks"
2	Number(3)	Period duration in minutes: "30", "60"

Col. #	Type	Description
3	String	Currency: "EUR", "GBP"

Block Information: Line 12 (Block Names - EUR)

Col. #	Type	Description
1	String	"Default name"
2	String	List of block names

The table below lists the pre-defined blocks.

Pre-defined block name	Intervals covered by Predefined block			
	DAM (24*60min)	IDA1 (48*30mins)	IDA2(24*30min)	IDA3(12*30min)
Middle Night	1 to 4	1 to 8	n/a	n/a
Early Morning	5 to 8	9 to 16	n/a	n/a
Late morning	9 to 12	17 to 24	n/a	n/a
Early afternoon	13 to 16	25 to 32	n/a	n/a
Rush hour	17 to 20	33 to 40	9 to 16	1 to 4
Off-peak 2	21 to 24	41 to 48	n/a	n/a
Baseload	1 to 24	1 to 48	1 to 24	1 to 12
Peakload	09 to 20	17 to 40	1 to 16	n/a
Night	1 to 6	1 to 12	n/a	n/a
Off-peak 1	1 to 8	1 to 16	n/a	n/a
Business	09 to 16	17 to 32	1 to 8	n/a
Off-peak	1 to 8 & 21 to 24	1 to 16 & 41 to 48	17 to 24	5 to 12
Morning	7 to 10	13 to 20	n/a	n/a
High noon	11 to 14	21 to 28	1 to 4	n/a
Afternoon	15 to 18	29 to 36	5 to 12	n/a
Evening	19 to 24	37 to 48	13 to 24	n/a

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Periods	Product name	Contract Name	Contract Name Day+1
1-48	SEMOpX_Baseload	SEMOpX_Baseload	SEMOpX_TBaseload
1-16	SEMOpX_8_Hour_Power	SEMOpX_23-07	SEMOpX_T23-07
17-32	SEMOpX_8_Hour_Power	SEMOpX_07-15	SEMOpX_T07-15
33-48	SEMOpX_8_Hour_Power	SEMOpX_15-23	SEMOpX_T15-23
1-8	SEMOpX_4_Hour_Power	SEMOpX_23-03	SEMOpX_T23-03
9-16	SEMOpX_4_Hour_Power	SEMOpX_03-07	SEMOpX_T03-07
17-24	SEMOpX_4_Hour_Power	SEMOpX_07-11	SEMOpX_T07-11
25-32	SEMOpX_4_Hour_Power	SEMOpX_11-15	SEMOpX_T11-15
33-40	SEMOpX_4_Hour_Power	SEMOpX_15-19	SEMOpX_T15-19
41-48	SEMOpX_4_Hour_Power	SEMOpX_19-23	SEMOpX_T19-23
1-4	SEMOpX_2_Hour_Power	SEMOpX_23-01	SEMOpX_T23-01
5-8	SEMOpX_2_Hour_Power	SEMOpX_01-03	SEMOpX_T01-03
9-12	SEMOpX_2_Hour_Power	SEMOpX_03-05	SEMOpX_T03-05
13-16	SEMOpX_2_Hour_Power	SEMOpX_05-07	SEMOpX_T05-07
17-20	SEMOpX_2_Hour_Power	SEMOpX_07-09	SEMOpX_T07-09
21-24	SEMOpX_2_Hour_Power	SEMOpX_09-11	SEMOpX_T09-11
25-28	SEMOpX_2_Hour_Power	SEMOpX_11-13	SEMOpX_T11-13
29-32	SEMOpX_2_Hour_Power	SEMOpX_13-15	SEMOpX_T13-15
33-36	SEMOpX_2_Hour_Power	SEMOpX_15-17	SEMOpX_T15-17
37-40	SEMOpX_2_Hour_Power	SEMOpX_17-19	SEMOpX_T17-19
41-44	SEMOpX_2_Hour_Power	SEMOpX_19-21	SEMOpX_T19-21
45-48	SEMOpX_2_Hour_Power	SEMOpX_21-23	SEMOpX_T21-23

Figure 23: Pre-Defined Blocks in the ETS Market Results File

Index Information: Line 13 (Block Prices)

Col. #	Type	Description
1	String	"Block price"
2 -> n	Date Time	Average price for all <i>n</i> blocks in the period, in designated currency
		Where <i>n</i> is the number of pre-defined blocks

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Index Information: Line 14 (Block Volume)

Col. #	Type	Description
1	String	"Block volume"
2 -> n	Date Time	Sum of the volumes for all <i>n</i> blocks in the period Where <i>n</i> is the number of pre-defined blocks

9.2.1.56.2.1.5 AREA INFORMATION

Area Information: Line 1 (Area Identifier)

Col. #	Type	Description
1	String	"Area"
2	String	Area name

Area Information: Line 2 (Area Price Header)

Col. #	Type	Description
1	String	"Prices"
2	Number(3)	Period duration in minutes: "30", "60"
3	String	Currency: "30", "60"

Area Information: Line 3 (Area Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 32-24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 48-12 columns. The time horizon of the auction is unaffected by the seasonal time change.

Area Information: Line 4 (Area Prices)

Col. #	Type	Description
1 -> n	Number(9,3)	Value of price in defined currency The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 32-24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 48-12 columns. The time horizon of the auction is unaffected by the seasonal time change.

The following sections (Linear Order, Complex Order) will be repeated for every SEMOpX Member portfolio that has cleared data in the respective auction. Complex Orders are only applicable to the SEMOpX Day-Ahead auction results.

Area Information, Member-Level Detail: Line 1 (Member-Specific Header)

Col. #	Type	Description
1	String	"Portfolio"
2	String	Member short name
3	String	Portfolio name.
4	Number(3)	Period duration in minute: "30", "60"
5	String	Settlement currency of the (portfolio, area) combination: "EUR" or "GBP"

Area Information, Member-Level Detail, Linear Order Results: Line 1 (Linear Order Results Header)

Col. #	Type	Description
1	String	"Linear order"

Area Information, Member-Level Detail, Linear Order Results: Line 2 (Linear Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	<p>Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Area Information, Member-Level Detail, Linear Order Results: Line 3 (Linear Order Results Detail)

Col. #	Type	Description
1 -> n	Number(8,2)	<p>Value of executed quantity for the linear order</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Area Information, Member-Level Detail, Complex Order Results: Line 1 (Complex Order Results Header)

Col. #	Type	Description
1	String	"Complex order"

Area Information, Member-Level Detail, Complex Order Results: Line 2 (Complex Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	<p>Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

Area Information, Member-Level Detail, Complex Order Results: Line 3 (Complex Order Results Detail)

Col. #	Type	Description
1 -> n	Number(8,2)	<p>Value of executed quantity for the linear order</p> <p>The day-ahead auction has 24 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 23 and 25, respectively.</p> <p>The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.</p> <p>The intraday 2 auction has <u>32-24</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p> <p>The intraday 3 auction has <u>18-12</u> columns. The time horizon of the auction is unaffected by the seasonal time change.</p>

9.2.26.2.2 EA-002: ETS BID FILE

This file contains all the orders submitted during the auction (whether they were executed or not – this is indicated) for a given Area Set and Auction Day. (Deactivated orders are also included in the file).

9.2.2.16.2.2.1 ETS BID FILES

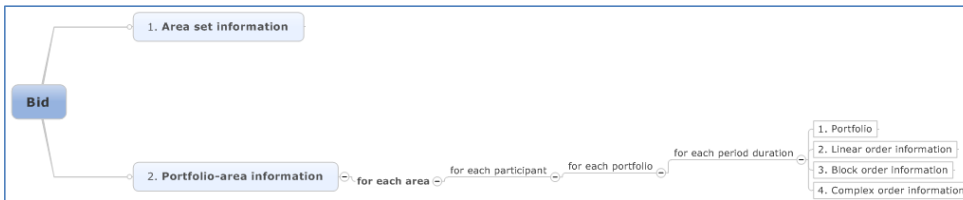
The ETS Bid data are delivered in four files, one for each of the auctions. They are:

Auction	Filemask
Day-Ahead Auction Results	BidFile_SEM-DA_PWR-MRC-D+1_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 1 Auction Results	BidFile_SEM-IDA1_PWR-SEM-GB-D+1_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 2 Auction Results	BidFile_SEM-IDA2_PWR-SEM-GB-D_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv
Intraday 3 Auction Results	BidFile_SEM-IDA3_PWR-SEM-D_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.csv

I-SEM Report Reference: EA-002
Data Source: SEMOpX (ETS)
Periodicity: Daily
Audience: General Public
Resolution: Day-Ahead: Hourly
Intraday: Half-hourly
Time Span: Per each auction specification
Frequency: Daily, at D+1 relative to the trading day.
CSV
Report Format: **Note: the data in this report are semi-colon (;) separated, with commas (,) used as decimals.**

9.2.2.1.16.2.2.1.1 ETS BID FILE STRUCTURE

The structure of the ETA Bid files is described in the diagram below.



9.2.2.26.2.2.2 ETS BID FILE: AREA SET SECTION

Area Set Information: Line 1 (Area set name)

Col. #	Type	Description
1	String	"Area set"
2	String	Area set name.

Area Set Information: Line 2 (Auction name)

Col. #	Type	Description
1	Char(12)	"Auction name"
2	Char(50)	Name of the auction (e.g. SEMO DAM Auction, SEMO IDA 1 Auction...).

Area Set Information: Line 3 (Auction date/time)

Col. #	Type	Description
1	Char(17)	"Auction Date Time"

Col. #	Type	Description
2	Date Time	Auction date time in UTC: YYYY-MM-DDThh:mm:ssZ

9.2.2.36.2.2.3 ETS BID FILE: PORTFOLIO-AREA SECTION

Portfolio Information: Line 1 (Portfolio – Area – Resolution - Currency Identification)

Col. #	Type	Description
1	String	"PO"
2	String	Member identifier
3	String	Portfolio name
4	String	Area name
5	Number(3)	Period duration in minutes: "30", "60"
6	String	Settlement currency of the portfolio, area combination ("EUR", "GBP")

The following lines are repeated for each Portfolio-Area combination that submitted bids or offers to the relevant auction.

Portfolio Information: Line 2 (Linear Order Header)

Col. #	Type	Description
1	String	"SL"
2	String	Submission ID
3	String	User ID
4	String	Member ID of the User (Can be different from the Member ID of the Portfolio, if another participant is submitting on behalf of)
5	Date Time	Submission date time in UTC: YYYY-MM-DDThh:mm:ssZ

Portfolio Information: Line 3 (Linear Order - Price)

Col. #	Type	Description
1	String	"PR" for price
2	String	"Period"
3	String	"Active"
4	Number(8,2)	"Execution"
5	Date Time	First price of the linear order
*** This column is repeated until the Last Price of the linear order is reached		

Portfolio Information: Line 4 -> n (Linear Order - Volume) *n is the number of hours in the linear order

Col. #	Type	Description
1	String	"VL" for price
2	Date Time	Period date time in UTC: YYYY-MM-DDThh:mm:ssZ
3	String	"Y" if the order is active "N" if the order is inactive
4	Number(8,2)	Value of the executed quantity. If the order is inactive, the volume will always be zero.
5	Number(8,2)	Quantity for the first price of the interpolated order, as submitted by the Member, in the settlement currency
*** This column is repeated until the final quantity of the linear order is reached		

Portfolio Information: Line 5 (Complex Order - Header)

Col. #	Type	Description
1	Char	"SC" (for submission complex order)
2	Char	Value of Submission ID
3	Char	Value of User ID
4	String	Member ID of the user
5	Date Time	Submission date time in UTC: YYYY-MM-DDThh:mm:ssZ
6	Char	"Fixed Term"
7	Number(18,11)	Value of Fixed Term
8	Char	"Variable Term"
9	Number(18,11)	Value of Variable Term
10	Char	"Increase Gradient"
11	Number(11,5)	Value of Increase Gradient
12	Char	"Decrease Gradient"
13	Number(11,5)	Value of Decrease Gradient
14	Char	"Scheduled Stop periods"
15	Number(2)	Value of Scheduled Stop Periods
16	Char	"Paradoxically Rejected"
17	Number(1)	Value of Paradoxically Rejected (1 – paradoxically rejected, 0 – not paradoxically rejected)
18	Char	"Activation"
19	Number(1)	Value of activation (0 - Rejected, 1 - Accepted)

Portfolio Information: Line 6 (Complex Order - Price)

Col. #	Type	Description
1	String	"PR" for price
2	String	"PERIOD"
3	String	"Active"
4	String	"Execution"
5	Number(8,2)	First Price of the complex order
*** This column is repeated until the final price of the complex order is reached		

Portfolio Information: Line 7 -> n (Complex Order - Volume) *n is the number of hours in the complex order)

Col. #	Type	Description
1	String	"VL" for price
2	Date Tim	Period date time in UTC: YYYY-MM-DDThh:mm:ssZ
3	String	"Y" if the order is active "N" if the order is inactive
4	Number(8,2)	Value of the executed quantity. If the order is inactive, the volume will always be zero.
5	Number(8,2)	Quantity for the first price of the interpolated order, as submitted by the Member, in the settlement currency
*** This column is repeated until the final quantity of the complex order is reached		

9.2.36.2.3 EA-003: BLOCK BID ORDER FILE

This report is not yet available for SEMOpx under the I-SEM arrangements.

9.2.46.2.4 EA-004: BID/ASK CURVES

This file contains the calculated data points of the bid/ask curves.

9.2.4.16.2.4.1 ETS BID/ASK CURVE FILES

The ETA Bid data are delivered in eight files, one for each of the auctions, by area. They are:

Auction	Filemask
Day-Ahead Auction Bid/Ask Curves, ROI	BidAskCurves_ROI-DA_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 1 Auction Bid/Ask Curves, ROI	BidAskCurves_ROI-IDA1_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 2 Auction Bid/Ask Curves, ROI	BidAskCurves_ROI-IDA2_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 3 Auction Bid/Ask Curves, ROI	BidAskCurves_ROI-IDA3_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Day-Ahead Auction Bid/Ask Curves, NI	BidAskCurves_NI-DA_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 1 Auction Bid/Ask Curves, NI	BidAskCurves_NI-IDA1_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 2 Auction Bid/Ask Curves, NI	BidAskCurves_NI-IDA2_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv
Intraday 3 Auction Bid/Ask Curves, NI	BidAskCurves_NI-IDA3_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xmlcsv

I-SEM Report Reference: EA-004

Data Source: SEMOpx (ETS)

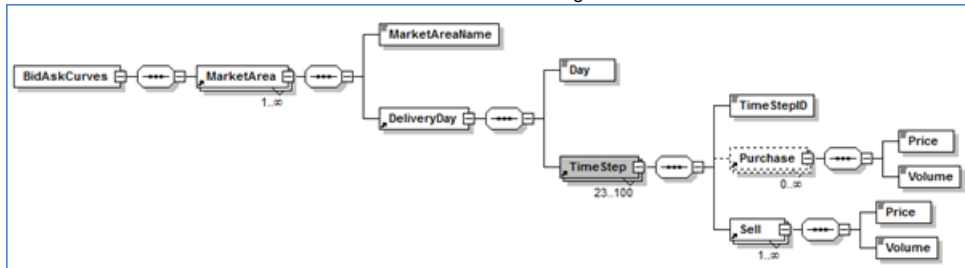
Periodicity: Daily

Audience: General Public

Resolution: Day-Ahead: Hourly
Intraday: Half-hourly
Time Span: Per each auction specification
Frequency: Daily, at D+1 relative to the trading day.
Report Format: XML

9.2.4.1-16.2.4.1.1 ETS BID/ASK CURVE FILE STRUCTURE

The structure of the ETA Bid/Ask Curve files is described in the diagram below.



9.2.4-26.2.4.2 ETS BID/ASK CURVE FILE

Market Area Sub Element

Field	Data type	Elements	Description
MarketAreaName	String	1	MarketArea
DeliveryDay	DeliveryDay	1	

DeliveryDay Sub Element

Field	Data type	Elements	Description
Day	Date	1	dd/mm/yyyy
TimeStep	TimeStep	1 - n	Time step curve data for all time steps of the day

TimeStep Sub Element

Field	Data type	Elements	Description
TimeStepID	String	1	Time step: 01- 24 On DST start date the third hour is removed: 01, 02, 04, 05, ... , 24 On DST end date the third hour is replicated and the letter 'B' is used to differentiate it: 01,02, 03, 03B, 04, 05, ..., 24
Purchase	Bid	0 – n	Price/Quantity pairs for purchased quantity at a given price level
Sell	Bid	0 – n	Price/Quantity pairs for sold quantity at a given price level

Bid Sub Element

Field	Data type	Elements	Description
Price	Price	1	Buy/sell price Value has the precision of the area price + 2 additional decimal places e.g. for price tick 0.1 €/MWh there will be three decimal places of precision
Quantity	Quantity	1	Purchased/sold quantity Value has the precision of the area volume + 1 additional decimal place e.g. for volume tick 0.1 MW there will be two decimal places of precision

9.2.56.2.5 EA-006: EXCHANGE TRANSPERANCY

This file contains summary data about the ETS market activity.

9.2.5.16.2.5.1 EXCHANGE TRANSPARENCY FILE

I-SEM Report Reference: EA-006
Data Source: SEMOpX
Periodicity: Daily
Filename: Exchange Transparency_[Market Area]_[Delivery date]_[Creation date]
Audience: General Public
Resolution: Delivery Date
Time Span: Delivery Date
Frequency: Daily, at D+1 relative to the trading day.
Report Format: XML

9.2.5.16.2.5.1.1 EXCHANGE TRANSPARENCY FILE STRUCTURE

The structure of the Exchange Transparency file is described in the diagram below.

```
<?xml version='1.0' encoding='ISO-8859-1'?>
<ExchangeTransparency>
  <DeliveryDay>16/10/2013</DeliveryDay>
  <MarketAreaName>ROI-DA</MarketAreaName>
  <ActiveParticipants>2</ActiveParticipants>
  <NbBuyers>1</NbBuyers>
  <NbSellers>1</NbSellers>
  <NbNetBuyers>1</NbNetBuyers>
  <NbNetSellers>1</NbNetSellers>
  <MarketShare>0.5</MarketShare>
</ExchangeTransparency>
```

9.2.5.26.2.5.2 EXCHANGE TRANSPARENCY FILE DETAIL

File detail

Element Name	Type	Cardinality	Description
DeliveryDay	string	[1..1]	Delivery day for the products in the auction (format: DD/MM/YYYY)
MarketAreaName	string	[1..1]	Market area name.
ActiveParticipants	string	[1..1]	Total number of Participants that have submitted an order for products in the Market Area for the auction.
NbBuyers	integer	[1..1]	Total number of Active Participants that have submitted a buy order in the Market Area for the auction.
NbSellers	integer	[1..1]	Total number of Active Participants that have submitted a Sell order in the Market Area for the auction.
NbNetBuyers	integer	[1..1]	Total number of Active Participants that have submitted and executed a Buy order in the Market Area for the auction.
NbNetSellers	integer	[1..1]	Total number of Active Participants that have submitted and executed a Sell order in the Market Area for the auction.

9.2.66.2.6 EA-007: INTRADAY MARKET RESULTS TRADE

This report contains an inventory of all of the orders placed or modified by each member during the trading day. The report shows all unmodified, modified, reversed, cancelled and matched trades including on-exchange prearranged trades (OPT), private and confidential trades (PNC) and approved OTC trades whenever these are supported by the exchange. In case cross-product matching or trade decomposition has been configured and such a trade was matched, only the trades resulting from the trade decomposition will appear in the report.

For a report user belonging to a Regular member, this report contains the trade data just for this member.

For a market operations report user, this report is an aggregation of trade data of all members.

For a report user belonging to a Broker member, the report contains the trades and actions performed on these trades by the broker on behalf of other members. If the broker was also trading on his own behalf, the actions performed by its own member will be included in the report as well.

9.2.6.16.2.6.1 INTRADAY MARKET RESULTS TRADE FILE

I-SEM Report Reference: EA-007
Data Source SEMOpX (M7)
Periodicity: Daily
Audience: General Public
Filename: IDC_TradeFile_[Delivery Date]_[Creation Date].xml
Time Span: Trade Date
Frequency: Daily, at D+1 relative to the trading day.
Report Format: XML

9.2.6.26.2.6.2 INTRADAY MARKET RESULTS TRADE FILE STRUCTURE

Each **<tc810Grp>** contains all trades for a member/contract combination. Inside this group tag, the trades are organised by traders into different **<tc810Grp1>**. Inside this structure, the trades themselves are listed in the last hierarchy level, each in a separate **<tc810Rec>**.

In general, all trades, identified by their "tranIdNo", are only present once. The only exception are recalled trades, which can be identified by the value "R" in the field **<tranTypCod>** and cancelled trades which can be identified by the value "C" in the field **<tranTypCod>**.

9.2.6.36.2.6.3 INTRADAY MARKET RESULTS TRADE FILE DETAIL

XML Tag	m/o	no.	Type	Condition the optional tag is present if..
tc810	m	1	Structure	
rptHdr	m	1	Structure	
exchNam	m	1	Data	
envText	m	1	Data	
rptCod	m	1	Data	
rptNam	m	1	Data	
rptPmtEffDat	m	1	Data	
rptPmtRunDat	m	1	Data	
tc810Grp	o	0..n	Structure	at least one trade was matched, trade cancelled or trade recall was granted on <rptPmtEffDat>
tc810KeyGrp	m	1..n	Structure	
membExclIdCod	m	1	Data	
membCldIdCod	m	1	Data	
stlIdAct	m	1	Data	
stlIdLoc	m	1	Data	
instTitr	m	1	Structure	
isinCod	m	1	Data	
ontcUnt	m	1	Data	
product	m	1	Data	
currTypCod	m	1	Data	
tc810Grp1	m	1	Structure	
tc810KeyGrp1	m	1	Structure	
partIdCod	m	1	Data	
tc810Rec	m	1..n	Structure	
mktArea	m	1	Data	
tse	m	1	Data	
baGrp	m	1	Data	
olgHseCode	o	0..1	Data	a clearing house code was specified as part of the respective order
olgAcctId	o	0..1	Data	a clearing account ID was specified as part of the respective order
tranTim	m	1	Data	
tranIdNo	m	1	Data	
tranIdSfxNo	m	1	Data	
remoteTranIdNo	o	0..1	Data	the trade was executed or modified by XBID SOB
remoteTranIdSfxNo	o	0..1	Data	the trade was executed or modified by XBID SOB
tranTypCod	m	1	Data	
typOrig	m	1	Data	
aggressorIndicator	m	1	Data	
ordrNo	m	1	Data	
acctTypCodGrp	m	1	Data	
ordrBuyCod	m	1	Data	
openCloseInd	o	0..1	Data	the respective order was submitted with a valid value in the "Open Close Indicator" field
tradMchQty	m	1	Data	
tradMchPrc	m	1	Data	
tradPhase	m	1	Data	
stlDate	m	1	Data	
feeAmt	m	1	Data	
membCtpyIdCod	m	1	Data	
text	o	0..1	Data	the text field is not empty
membExclIdCodOboMs	o	0..1	Data	the trade was cancelled or a trade recall was granted by an admin user
partIdCodOboMs	o	0..1	Data	the trade was cancelled or a trade recall was granted by an admin user
brokerMemIdCod	o	0..1	Data	the trade was modified by a broker user on behalf of another user
brokerUserIdCod	o	0..1	Data	the action was modified by a broker user on behalf of another user
sumPartTotBuyOrdr	m	1	Data	
sumPartTotSellOrdr	m	1	Data	
sumMembTotBuyOrdr	m	1	Data	
sumMembTotSellOrdr	m	1	Data	

Figure 34: Intraday Market Trade Results File Detail

9.2.76.2.7 EA-008: INTRADAY MARKET RESULTS ORDER

The report contains a list of all active orders, which have been created or modified for each member during the trading day.

For a report user belonging to a Regular member, this report is arranged by traders and contracts, and lists all measures taken for the maintenance of orders during the trading day.

9.2.7.16.2.7.1 INTRADAY MARKET RESULTS ORDER FILE

I-SEM Report Reference: EA-008
Data Source SEMOpx (**ETSM7**)
Periodicity: Daily
Audience: General Public
Filename: IDC_OrderFile_[Delivery Date]_[Creation Date].xml
Time Span: Trade Day
Frequency: Daily, at D+1 relative to the trading day.
Report Format: XML

9.2.7.26.2.7.2 INTRADAY MARKET RESULTS ORDER FILE STRUCTURE

For each member, a **<tc540Grp>** contains all orders that have been modified by its users. Inside this group tag, the orders are sorted by combinations of the user's code and contract that each order was entered for. Each of these combinations is defined by a **<tc540Grp1>**. Finally, inside each of these group tags, the orders are contained inside the **<tc540Rec>**, while each maintenance action performed on an order is listed in an individual record. All **<tc540Rec>** inside a **<tc540Grp1>** appear in chronological order (earliest first).

The report does not necessarily contain the complete lifecycle of an order, as it lists only the maintenance actions for one trading day, which is displayed in the tag **<rptPrntEffDat>**.

In the report for the market operations, a member will appear if and only if at least one of its users performed an order maintenance action (or the action was performed on behalf) during the last (full) trading day. In this regard, the status in which the (trading) member or its user is at the time of the report generation is irrelevant.

9.2.7.36.2.7.3 INTRADAY MARKET RESULTS ORDER FILE DETAIL

XML Tag	m/o	no.	Type	Condition the optional tag is present (if)..
tc540	m	1	Structure	
rptHdr	m	1	Structure	
exchNam	m	1	Data	
envText	m	1	Data	
rptCod	m	1	Data	
rptNam	m	1	Data	
rptPrntE#Dat	m	1	Data	
rptPrntRunDat	m	1	Data	
tc540Grp	o	0..n	Structure	an order was modified on <rptPrntE#Dat>
tc540KeyGrp	m	1..n	Structure	
membExclIdCod	m	1	Data	
tc540Grp1	m	1..n	Structure	
tc540KeyGrp1	m	1..n	Structure	
partIdCod	m	1	Data	
instTitl	m	1	Structure	
isinCod	m	1	Data	
currTypCod	m	1	Data	
product	m	1	Data	
tc540Rec	m	1..n	Structure	
tranTim	m	1	Data	
mktArea	m	1	Data	
tso	m	1	Data	
balGrp	m	1	Data	
clgHse	o	0..n	Structure	a clearing house was specified as part of the order
clgHseCode	m	1	Data	
clgAcct	m	1..n	Structure	

XML Tag				m/o	no.	Type	Condition the optional tag is present (if)..
			clgAcctId	m	1	Data	
			entTm	m	1	Data	
			actnCod	m	1	Data	
			aggressorIndicator	o	0..1	Data	the "actnCod" of the order is either "M" (full match) or "P" (partial match).
			revisionNo	m	1	Data	
			listID	o	0..1	Data	the order is a part of a basket
			listExecInst	o	0..1	Data	the order is a part of a basket
			ordrNo	m	1	Data	
			ordrInitialNo	m	1	Data	
			ordrParentNo	o	0..1	Data	the order was modified which led to a new order with a new order number
			remoteOrdrNo	o	0..1	Data	the order has been communicated to the XBID SOB
			remoteRevisionNo	o	0..1	Data	the order has been communicated to the XBID SOB
			ordrBuyCod	m	1	Data	
			openCloseInd	o	0..1	Data	the order was submitted with a valid value in the "Open Close Indicator" field
			acctTypCodGrp	m	1	Data	
			ordrQty	m	1	Data	
			peakSizeQty	o	0..1	Data	<ordrTypCod> is "I" (iceberg order)
			totalRemQty	o	0..1	Data	<ordrTypCod> is "I" (iceberg order)
			stopPrc	o	0..1	Data	<ordrTypCod> is "S" (stop limit order)
			ppd	o	0..1	Data	<ordrTypCod> is "I" (iceberg order)
			ordrTypCod	m	1	Data	
			quote	o	0..1	Data	the order is a quote
			ordrExePrc	m	1	Data	
			tradMchPrc	o	0..1	Data	<actnCod> is either: "M" (full match) or "P" (partial match)
			ordrResCod	o	0..1	Data	<ordrResCod> is either: "A" (AON), "F" (FOK) or "I" (IOC)
			ordrValCod	m	1	Data	
			applicationId	o	0..1	Data	always, except for orders submitted or maintained before the migration to M7 6.0.
			applicationVer	o	0..1	Data	the application version was provided in the API.
			valDat	o	0..1	Data	<ordrValCod> is "GTD"
			text	o	0..1	Data	the text field is not empty
			membExclCodOboMs	o	0..1	Data	the maintenance step was performed by a user on behalf of the order owner
			partIdCodOboMs	o	0..1	Data	the maintenance step was performed by a user on behalf of the order owner

Figure 45: Intraday Market Results Order File Detail

9.2.86.2.8 EA-009: INTRADAY MARKET RESULTS STATISTICS

[This report contains market-wide statistics for the volumes and prices of orders matched within the Intraday Continuous market.](#)

9.2.8.16.2.8.1 INTRADAY MARKET RESULTS STATISTICS FILE

I-SEM Report
Reference:

EA-009

Data Source

SEMOpX (~~M7ETS~~)

Periodicity:

Daily

Audience: General Public
 Filename: IDC_Statistic_[Creation date] (Creation Date in format YYYYMMDDhhmiss in UTC)
 Time Span: Trade Date
 Frequency: Daily, at D+1 relative to the trading day.
 Report Format: CSV
Note: the data in this report are semi-colon (;) separated, with commas (,) used as decimals

9.2.8.26.2.8.2 INTRADAY MARKET RESULTS STATISTICS FILE DETAIL

Statistics Report Comment: Line 1

Col. #	Type	Description
1	Char(1)	"#"
2	DateTime	File generated DateTime (format: DD/MM/YYYY HH:MM:SS Z) in UTC
3	String	"Trade Values – SEMO Intraday Trading – Ireland"

Statistics Report Header: Line 2

Col. #	Type	Description
1	String	"Delivery day"
2	String	"Delivery Start "
3	String	"Volume Buy (MW)"
4	String	"Volume Sell (MW)"
5	String	"Low Price (EUR/MWh)"
6	String	"High Price (EUR/MWh)"
7	String	"Last Price (EUR/MWh) "
8	String	"Time Stamp of Last Price"
9	String	"Weighted Average Price"

Statistics Report Detail: Lines 3 -> Nth (Should be 97 for two days of 30 minute instruments and one line for blocks)

Col. #	Type	Description
1	String	The Delivery day being reported (format: DD/MM/YYYY) in UTC
2	String	For 30 minute instruments: Instrument delivery start date/time in UTC: DD/MM/YYYY HH:MM:SSZ For Blocks: "Blocks (MWh)"
3	String	For 30 minute instruments: The total Volume (in MW) for Buy order for the instrument (total of volume on delivery areas ROI and NI) For Blocks: The total Volume (in MWh) for Buy order for all the pre-defined blocks (total of volume on delivery areas ROI and NI)
4	String	For 30 minute instruments: The total Volume (in MW) for Sell order for the instrument (total of volume on delivery areas ROI and NI) For Blocks: The total Volume (in MWh) for Sell order for all the pre-defined blocks (total of volume on delivery areas ROI and NI)
5	String	For 30 minute instruments: The Lowest traded Price (EUR/MWh) achieved for that instrument (delivery area ROI or NI) For Blocks: empty
6	String	For 30 minute instruments: The Highest traded Price (EUR/MWh) achieved for the instrument (delivery area ROI or NI) For Blocks: empty
7	String	For 30 minute instruments: The traded Last Price (EUR/MWh) for the instrument (delivery area ROI or NI) For Blocks: empty
8	String	For 30 minute instruments: Time Stamp of Last Price (format: DD/MM/YYYY HH:MM:SSZ) in UTC (delivery area ROI or NI) For Blocks: empty

Col. #	Type	Description
9	String	<p>For 30 minute instruments: The Weighted Average Price for the instrument. Average price weighted by the volume, calculated as trades occur on a real time basis. Volumes are summed over the two Delivery Area and Price are considered over the two delivery areas.</p> <p>Format: Decimal given to 6 decimal places</p> <ul style="list-style-type: none"> - E.g.: 38,676996 <p>Averages are calculated</p> <ul style="list-style-type: none"> - Per instrument <p>The following trades are considered</p> <ul style="list-style-type: none"> - Market local trades on single product (instrument) <p>The following trades are not considered OTC trades</p> <p><u>Calculation method</u> If there is at least one trade on the related instrument, the average is equal to the weighted average price.</p> <ul style="list-style-type: none"> o Sum (Price*Volume) for trades done on the related instrument divided by Sum (Volume) for trades done on the related instrument. <p>For Blocks: empty</p>

~~10 APPENDIX C: BALANCING MARKET PUBLICATION DETAILS~~

~~10.1 BALANCING MARKET DEVELOPMENT~~

~~10.1.1 BM-118: TRADING AND SETTLEMENT CODE (INCLUDING AGREED PROCEDURES)~~

~~This report contains the Trading and Settlement Code, including Agreed Procedures.~~

~~I-SEM Report Reference: BM-118
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.1.2 BM-119: SCHEDULE AND DATES OF MODIFICATION PANEL MEETINGS~~

~~This report contains the planned schedule and dates of the Modification Panel meetings.~~

~~I-SEM Report Reference: BM-119
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.1.3 BM-120: MODIFICATION PROPOSAL~~

~~This report contains the details of a submitted Modification Proposal which has been accepted for consideration by the Modification Panel Committee.~~

~~I-SEM Report Reference: BM-120
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.1.4 BM-121: PUBLIC CONSULTATION ON MODIFICATION PROPOSAL~~

~~This report contains the request from the Modification Committee Secretariat for the public's views on a particular Modification Proposal.~~

~~I-SEM Report Reference: BM-121
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

10.1.5 BM-122: RESPONSES TO PUBLIC CONSULTATION ON MODIFICATION PROPOSAL

This report contains the collated responses to the Consultation paper issued by the Modification Committee Secretariat for the public's views on a particular Modification Proposal.

<i>ISEM Report Reference:</i>	<i>BM-122</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.1.6 BM-123: FURTHER INFORMATION ON MODIFICATION PROPOSAL

This report contains any further relevant information received by the Modifications Committee in relation to a particular Modification Proposal.

<i>ISEM Report Reference:</i>	<i>BM-123</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.1.7 BM-124: FINAL RECOMMENDATION REPORT

This report contains the Final Recommendation Report of the Modifications Committee on a particular Modification Proposal.

<i>ISEM Report Reference:</i>	<i>BM-124</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.1.8 BM-125: REGULATORY AUTHORITY DECISION ON FINAL MODIFICATION RECOMMENDATION

This report contains the Regulatory Authority decision on the Final Modification Recommendation of a Particular Modification Proposal.

<i>ISEM Report Reference:</i>	<i>BM-125</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.1.9 BM-126: MEMBERS AND CHAIRPERSON OF THE MODIFICATION COMMITTEE

This report contains the names of the members and chairperson of the Modification Committee.

<i>ISEM Report Reference:</i>	<i>BM-126</i>
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Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.1.10 — BM-127: TERMS OF REFERENCE FOR MARKET OPERATOR AUDIT

This report contains the terms of reference by which the nominated Market Operator Auditor conducts an audit of the Code, its operation and implementation and the operations, trading arrangements, procedures and processes under the Code.

I-SEM Report Reference: BM-127
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.1.11 — BM-128: AUDIT REPORT

This report contains the Market Operator Auditor's findings in the audit of the Code, its operation and implementation and the operations, trading arrangements, procedures and processes under the Code.

I-SEM Report Reference: BM-128
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.2 — BALANCING MARKET DATA

10.2.1 — BM-001: LIST OF REGISTERED UNITS REPORT

This report contains all Units registered to participate in the I-SEM.

I-SEM Report Reference: BM-001
Data Source: Registration
Periodicity: Daily
Report Name: PUB_DailyRegisteredUnits
File Names: PUB_DailyRegisteredUnits.xml
Report Title: List of Registered Units Report
Audience: General Public
Resolution: n/a
Time Span: Currently Active/Approved Units, as registered at the time of publication
Frequency: Daily, only when a new Unit Registration is approved.
Report Format: XML

Field Name	Format	Description
PUBLISH TIME	TIME(YYYY-MM-DDTH24:MI)	Publish Date/time
PARTY ID	VARCHAR2(12)	Party ID (PY_XXXXXX)

Field Name	Format	Description
PARTY NAME	VARCHAR2(60)	Company name
ASSOCIATED PARTICIPANT ID	VARCHAR2(12)	Participant ID (PT-xxxxxx)
ASSOCIATED PARTICIPANT NAME	VARCHAR2(60)	Participant name
TRADING SITE ID	VARCHAR2(12)	TS-xxxxxx
UNIT ID	VARCHAR2(32)	e.g. GU-xxxxxx
UNIT NAME	VARCHAR2(32)	Unit name
UNIT TYPE	VARCHAR2(4)	Unit Type as per Registration (e.g. GU, SU, TU, etc.)
INTERMEDIARY	CHAR(1)	Y/N flag
AOLR REGISTERED	CHAR(1)	Y/N flag
STATUS	VARCHAR2(16)	Registered (does not have de-registration date) De-Registered (has de-registration date)
REGISTRATION DATE	YYYY-MM-DD	Trading Day when registered
Deregistration Date	YYYY-MM-DD	Trading Day when deregistered

Table 29: List of Registered Units Report

10.2.2 BM-002: LIST OF REGISTERED PARTIES REPORT

This report contains details of all Parties that are registered in the I-SEM.

I-SEM Report Reference:	<i>BM-002</i>
Data Source:	<i>Registration</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyRegisteredParties</i>
File Names:	<i>PUB_DailyRegisteredParties.xml</i>
Report Title:	<i>List of Registered Parties Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>n/a</i>
Time Span:	<i>Currently Active/Approved Parties, as registered at the time of publication</i>
Frequency:	<i>Daily, only when a new Party Registration is approved.</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
PUBLISH TIME	TIME(YYYY-MM-DDTH24:MI)	Publish Date/time
SHORT NAME	VARCHAR2(12)	PY-xxxxxx
COMPANY NAME	VARCHAR2(60)	Company Name
STATUS	VARCHAR2(24)	Registered Party Terminated (Voluntarily) Terminated
REGISTRATION DATE	YYYY-MM-DD	Trading Day when registered
TERMINATION DATE	YYYY-MM-DD	Trading Day when deregistered

Table 30: List of Registered Parties Report

10.2.3 BM-003: REGISTERED CAPACITY REPORT

This report contains the Registered Capacity and Fuel Type information for all Generator and Demand Side Units currently registered in the I-SEM.

I-SEM Report Reference:	<i>BM-003</i>
Periodicity:	<i>Monthly</i>
Report Name:	<i>PUB_MnlyRegisteredCapacity</i>
File Names:	<i>PUB_MnlyRegisteredCapacity.xml</i>

Report Title: Registered Capacity Report
Audience: General Public
Resolution: n/a
Time Span: At the time of publication
Frequency: Once every month
Report Format: XML

Field Name	Format	Description
PUBLISH TIME	TIME(YYYY-MM-DDTH24:MI)	Publish Date/time
PARTICIPANT ID	VARCHAR2(12)	e.g., PT-xxxxxx
PARTICIPANT NAME	VARCHAR2(60)	Participant Name
RESOURCE NAME	VARCHAR2(32)	Resource identifier
UNIT NAME	VARCHAR2(32)	Unit Name
REGISTERED CAPACITY	NUMBER(8,3)	Registered Capacity or MW
DUAL FUEL FLAG	CHAR(1)	Y/N
FUEL TYPE	VARCHAR2(22)	WIND, GAS, MULTI, HYDRO, PEAT, COAL, PUMP, BIO, GAS, OIL, DISTL, DEM(Demand) etc..
SECONDARY FUEL TYPE	VARCHAR2(22)	-Valid value from Fuel Type.
JURISDICTION	VARCHAR2(32)	ROI/NI

Table 31: Registered Capacity Report

10.2.4 BM-004: MAKING OR LIFTING OF A SUSPENSION ORDER

This report contains the notice of making or lifting a suspension for a participant.

I-SEM Report Reference: BM-004
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.2.5 BM-005: TERMINATION ORDER

This report contains a notice of termination for a Party that specifies the time and date from which the Termination or Deregistration will take effect and the terms of the Termination or Deregistration.

I-SEM Report Reference: BM-005
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.2.6 BM-006: ACCESSION FEES AND PARTICIPATION FEES

This report contains details of the approved rate and basis for Accession Fees and Participation Fees.

I-SEM Report Reference: BM-006
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.2.7 BM-007: SUPPLIER SUSPENSION DELAY PERIOD

This report contains the minimum period before a Suspension Order may take effect in respect of any Supplier Unit specified in the Suspension Order issued by the Market Operator.

I-SEM Report Reference: *BM-007*
Audience: *General Public*
Frequency: *Periodically as required*
Report Format: *Word/PDF*

10.2.8 BM-008: GENERATOR SUSPENSION DELAY PERIOD

This report contains the minimum period before a Suspension Order may take effect in respect of any Generator Unit specified in the Suspension Order issued by the Market Operator.

I-SEM Report Reference: *BM-008*
Audience: *General Public*
Frequency: *Periodically as required*
Report Format: *Word/PDF*

10.2.9 BM-009: ANNUAL LOAD FORECAST REPORT

This report contains the load forecast per jurisdiction (ROI & NI) and an aggregated value for both Jurisdictions, for each Trading Period in the relevant year.

I-SEM Report Reference: *BM-009*
Periodicity: *Annual*
Report Name: *PUB_AnnualLoadFest*
File Names: *PUB_AnnualLoadFest.xml*
Report Title: *Annual Load Forecast Report*
Audience: *General Public*
Resolution: *Trading Period*
Time Span: *Following year*
Frequency: *Once every year, in August*
Report Format: *XML*

Field Name	Format	Description
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time of the 30-minute Trading Period
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the 30-minute Trading Period
LOAD FORECAST ROI	NUMBER(10)	Load Forecast for ROI (MW)
LOAD FORECAST NI	NUMBER(10)	Load Forecast for NI (MW)
AGGREGATED FORECAST	NUMBER(10)	Aggregated Load Forecast for both Jurisdictions.

Table 32: Annual Load Forecast Report

10.2.10 BM-010: DAILY LOAD FORECAST SUMMARY REPORT

This report contains the load forecast by Jurisdiction (ROI/NI) for each Trading Period in the following four Trading Days.

ISEM Report Reference: BM-010
Periodicity: Daily
Report Name: PUB_DailyLoadFest
File Names: PUB_DailyLoadFest.xml
Report Title: Daily Load Forecast Summary Report
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Four calendar days
Frequency: Following receipt of each Four-Day Load Forecast
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time of the 30-minute Trading Period
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the 30-minute Trading Period
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
LOAD FORECAST ROI	NUMBER(10)	Load Forecast for ROI (MW)
LOAD FORECAST NI	NUMBER(10)	Load Forecast for NI (MW)
AGGREGATED FORECAST	NUMBER(10)	Aggregated Load Forecast for both Jurisdictions.

Table 33: Daily Load Forecast Summary Report

10.2.11 ~~BM-011: MONTHLY LOAD FORECAST AND ASSUMPTIONS REPORT~~

This report contains the load forecast per jurisdiction (ROI & NI), an aggregated value for both Jurisdictions and assumptions, for each Trading Period in the following calendar month.

ISEM Report Reference: BM-011
Periodicity: Monthly
Report Name: PUB_MonthlyLoadFest
File Names: PUB_MonthlyLoadFest.xml
Report Title: Monthly Load Forecast and Aggregated Load Forecast and Assumptions Report
Audience: General Public
Resolution: Trading Period
Time Span: Following month
Frequency: Once every Month
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time of the 30-minute Trading Period
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the 30-minute Trading Period
LOAD FORECAST ROI	NUMBER(10)	Load Forecast for ROI (MW)
LOAD FORECAST NI	NUMBER(10)	Load Forecast for NI (MW)
AGGREGATED FORECAST	NUMBER(10)	Aggregated Load Forecast for both Jurisdictions.

Table 34: Monthly Load Forecast and Assumptions Report

10.2.12 ~~BM-012: FOUR-DAY ROLLING WIND UNIT FORECAST REPORT~~

This report is produced four times per day and contains the expected output (MW) for each Wind Unit per 15 mins in the next four Trading Days, produced following the receipt of each accepted Wind Power Unit Forecast.

I-SEM Report Reference: BM-012
Periodicity: Daily
Data Source: TSO (WEF)
Report Name: PUB_4DayRollWindUnitFest
File Names: PUB_4DayRollWindUnitFest.xml
Report Title: Four-Day Rolling Wind Unit Forecast Report
Audience: General Public
Resolution: 15 minutes
Time Span: Next four Trading Days
Frequency: Four times per day, following receipt of each Wind Unit Forecast
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Start date/time of forecast data
END TIME	TIME (YYYY-MM-DDTH24:MI)	End date/time of forecast data
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
PARTICIPANT NAME	VARCHAR2(12)	Participant Name
RESOURCE NAME	VARCHAR2(36)	Resource Name
JURISDICTION	VARCHAR2(5)	ROI (Republic of Ireland) or NI (Northern Ireland)
FORECAST MW	NUMBER(8,3)	Forecasted MW

Table 35: Four Day Rolling Wind Unit Forecast Report

10.2.13 ~~BM-013: FOUR DAY AGGREGATED ROLLING WIND UNIT FORECAST REPORT~~

This report is run four times per day, containing the aggregated output (MW) across all Wind Units in each jurisdiction, for the next four Trading Days, produced following the receipt of each Wind Unit Forecast.

I-SEM Report Reference: BM-013
Periodicity: Daily
Report Name: PUB_4DayAggRollWindUnitFest
File Names: PUB_4DayAggRollWindUnitFest.xml
Report Title: Four-Day Aggregated Rolling Wind Unit Forecast Report
Audience: General Public
Resolution: 15 mins
Time Span: Next four Trading Days
Frequency: Four times per day
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Start date/time of forecast data
END TIME	TIME (YYYY-MM-DDTH24:MI)	End date/time of forecast data
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
LOAD FORECAST ROI	NUMBER(11,3)	Load Forecast for ROI (MW)
LOAD FORECAST NI	NUMBER(11,3)	Load Forecast for NI (MW)
AGGREGATED FORECAST	NUMBER(11,3)	Aggregated Load Forecast for both Jurisdictions.

Table 36: Four Day Aggregated Rolling Wind Unit Forecast Report

10.2.14 — BM-014: FORECAST IMBALANCE REPORT

This reports details the sum of all the Physical Notifications which are submitted by Participants, the net Interconnector schedule, the TSO renewables forecast for non-Dispatchable renewable Units and the calculated imbalance, for each Imbalance Settlement Period until the end of the latest Trading Day for which the Day Ahead Market gate is closed.

ISEM Report Reference:	<i>BM-014</i>
Data Source:	<i>Balancing Market Runs</i>
Periodicity:	<i>Hourly</i>
Report Name:	<i>PUB_HrlyForecastImbalance</i>
File Names:	<i>PUB_HrlyForecastImbalance_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Forecast Imbalance Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Imbalance Settlement Period</i>
Time Span:	<i>Starting from the Hour Ahead of Imbalance Settlement Period until the end of the latest Trading Day for which the Day Ahead Market gate is closed with a value for each Imbalance Pricing Period (e.g. 5 mins).</i>
Frequency:	<i>Every Hour</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Settlement Imbalance Period Start Time
END TIME	TIME (YYYY-MM-DDTH24:MI)	Settlement Imbalance Period End Time
CALCULATED IMBALANCE	NUMBER(8,3)	Resulting calculated imbalance for the next Imbalance Settlement Period until the end of the latest Trading Day for which the Day Ahead Market has closed.
TOTAL PN	NUMBER(8,3)	Sum of PNs (MW)
NET INTERCONNECTOR SCHEDULE	NUMBER(8,3)	Net Interconnector schedule
TSO DEMAND FORECAST	NUMBER(8,3)	TSO demand forecast
TSO RENEWABLE FORECAST	NUMBER(8,3)	TSO renewables forecast (for non Dispatchable renewables)

Table 37: Forecast Imbalance Report

10.2.15 — BM-015: NET IMBALANCE VOLUME FORECAST REPORT

This report contains the single, total forecasted imbalance volume for the relevant Trading Day, updated every 30 minutes from 13:30 on Trading Day — 1 up to the first Intra-Day Gate Closure for the Trading Day.

ISEM Report Reference:	<i>BM-015</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_HrlyNetImbalVolumeForecast</i>
File Names:	<i>PUB_HrlyNetImbalVolumeForecast_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Net Imbalance Volume Forecast</i>
Audience:	<i>General Public</i>
Resolution:	<i>Trading Day</i>
Time Span:	<i>Current Trading Day</i>
Frequency:	<i>Every 30 Minutes from 13:30 on Trading Day — 1 up to the first Intra-Day Gate Closure for the Trading Day.</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
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Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
NET-IMBALANCE FORECAST	NUMBER(11,3)	Forecast Imbalance in MW

Table 38: Net Imbalance Volume Forecast Report

10.2.16 — BM-016: AGGREGATED WIND FORECAST REPORT

This report is produced four times per day, following the receipt of each Wind Unit Forecast, containing aggregate 15 minute forecasts for all jurisdictions (i.e. the sum for all jurisdictions in REPT_028)..

ISEM Report Reference:	<i>BM-016</i>
Data Source:	<i>TSO</i>
Periodicity:	<i>Daily (4 times per day)</i>
Report Name:	<i>PUB_15MinAggWindFcst</i>
File Names:	<i>PUB_15MinAggWindFcst_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Aggregated Wind Forecast Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>15 mins</i>
Time Span:	<i>Next four Trading Days</i>
Frequency:	<i>Four times per day, following receipt of each Wind Unit Forecast</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start date/time of forecast data
END TIME	TIME(YYYY-MM-DDTH24:MI)	Start date/time of forecast data
FORECAST	NUMBER(11,3)	Aggregated Wind Forecast

Table 39: Aggregated Wind Forecast Report

10.2.17 — BM-018: DAILY INTERCONNECTOR NTC REPORT

This report is, by default, run once per day as received from the Coordinated Capacity Calculation process and reports the Net Transfer Capacity (NTC) for each interconnector, for each Trading Period per Trading Day. It is also produced when new NTC values are provided.

ISEM Report Reference:	<i>BM-018</i>
Data Source:	<i>TSO</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyIntconNTC</i>
File Names:	<i>PUB_DailyIntconNTC.xml</i>
Report Title:	<i>Daily Interconnector NTC Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Trading Period</i>
Time Span:	<i>Trading Day</i>
Frequency:	<i>Event driven for the TD following receipt of new NTC values, following receipt of results from the Co-ordinated Capacity Calculator for TD+1 and TD+2</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
RESOURCE NAME	VARCHAR2(32)	The name of the Interconnector
DELIVERY DATE	DATE (YYYY-MM-DDYYYY)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Time
MAXIMUM IMPORT MW	NUMBER(11,3)	Maximum Import NTC for each Trading Period
MAXIMUM EXPORT MW	NUMBER(11,3)	Maximum Export NTC for each Trading Period

Table 40: Daily Interconnector NTC Report

10.2.18 — BM-019: ANNUAL COMBINED LOSS ADJUSTMENT FACTOR REPORT

This report details Combined Loss Adjustment Factors (CLAFs) for Units for each Trading Period in the relevant year, accounting for Transmission and Distribution losses associated with the transfer of energy.

I-SEM Report Reference: *BM-019*

Periodicity: *Annual*

Report Name: *PUB_AnnualCLAF*

File Names: *PUB_AnnualCLAF.xml*

Report Title: *Annual Combined Loss Adjustment Factor Report*

Audience: *General Public*

Resolution: *Trading Period*

Time Span: *Following year*

Frequency: *Once every year, in August and ad hoc upon new Unit registration*

Report Format: *XML*

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the I-SEM Balancing Market Trading Interface.
RESOURCE NAME	VARCHAR2(32)	Resource identifier, e.g. GU_XXXXXX
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time of the time period to which the Loss Factor relates
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the time period to which the Loss Factor relates
LOSS FACTOR	NUMBER (4,3)	Loss Factor

Table 41: Combined Loss Adjustment Factor Report

10.2.19 — BM-020: AGGREGATED FINAL PHYSICAL NOTIFICATIONS REPORT

This report details the aggregated Final Physical Notifications submitted by Generator and Demand Side Units for the Imbalance Settlement Period.

I-SEM Report Reference: *BM-020*

Data Source: *ISO*

Periodicity: *Daily*

Report Name: *PUB_HrlyAggregatedPN*

File Names: *PUB_HrlyAggregatedPN_YYYYMMDDHHMM.xml*
Report Title: *Aggregated Final Physical Notifications Report*
Audience: *General Public*
Resolution: *Imbalance Settlement Period*
Time Span: *Relevant Imbalance Settlement Period*
Frequency: *After each Balancing Market Gate Closure*
Report Format: *XML, CSV*

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME (YYYY-MM-DDTH24:MI)	Start Time of the aggregated profile segment
START MW AGGREGATED PN	NUMBER(8,3)	Start MW of Aggregated Physical Notification
END TIME	TIME (YYYY-MM-DDTH24:MI)	End Time of the aggregated profile segment
END MW AGGREGATED PN	NUMBER(8,3)	End MW of Aggregated Physical Notification

Table 42: Aggregated Physical Notifications Report

10.2.20 — BM-021: ANONYMISED INC / DEC CURVES REPORT

This report contains the anonymised composite valid submitted Inc/Dec values for the relevant Imbalance Settlement Period. The data describes a curve which comprises of Incs and Decs for all Participants, sorted by price in ascending order for each aggregate associated quantity.

I-SEM Report Reference: *BM-021*
Data Source: *TSO*
Periodicity: *Daily*
Report Name: *PUB_HrlyAnonymisedIncDecCurves*
File Names: *PUB_HrlyAnonymisedIncDecCurves_YYYYMMDDHHMM.xml*
Report Title: *Anonymised Inc / Dec Curves Report*
Audience: *General Public*
Resolution: *Trading Period*
Time Span: *Imbalance Settlement Period*
Frequency: *Hourly*
Report Format: *XML*

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME (YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
INC QUANTITY	NUMBER(8,3)	Aggregate inc quantity for a given price.
INC PRICE	NUMBER(8,2)	Submitted inc price
DEC QUANTITY	NUMBER(8,3)	Aggregate dec quantity for a given price.
DEC PRICE	NUMBER(8,2)	Submitted dec price

Table 43: Anonymised Inc/Dec Curves Report

10.2.21 — BM-022: SYSTEM SHORTFALL IMBALANCE INDEX & FLATTENING FACTOR

This report contains the calculated System Shortfall Imbalance Index (the ratio of the energy shortfall divided by the total forecast energy demand for this Trading Day) and the System Imbalance Flattening Factor (a factor used to determine adjusted startup costs for use in the Operational Schedule Runs).

ISEM Report Reference: BM-022
Data Source: ISO
Periodicity: Daily
Report Name: PUB_HrlySsiiSiff
File Names: PUB_HrlySsiiSiff_YYYYMMDDHHMM.xml
Report Title: System Shortfall Imbalance Index and Flattening Factor
Audience: General Public
Resolution: Trading Day
Time Span: Trading Day
Frequency: Hourly up to the first IDM Gate Closure for the Trading Day
Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
SSII	NUMBER(8,3)	System Shortfall Imbalance Index
SIFF	NUMBER(8,3)	System Imbalance Flattening Factor

Table 44: Daily Shortfall Imbalance Index & Flattening Factor Report

10.2.22 — BM-023: FINAL PHYSICAL NOTIFICATIONS REPORT

This report details the Final Physical Notifications submitted by Generator and Demand Side Units in the previous Trading Day.

ISEM Report Reference: BM-023
Data Source: MP submissions
Periodicity: Daily
Report Name: PUB_DailyFinalPhysicalNotifications
File Names: PUB_DailyFinalPhysicalNotifications.xml
Report Title: Final Physical Notifications Report
Audience: General Public
Resolution: Per Physical Notification
Time Span: Previous Trading Day
Frequency: Daily
Report Format: XML

Field Name	Format	Description
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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).
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time of the Profile
START MW	NUMBER(8,3)	Start MW Point
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Time of the Profile
END MW	NUMBER(8,3)	End MW Point
UNDER TEST FLG	CHAR(1)	Under Test Flag
REASON	VARCHAR2(255)	Reason for Under Test application

Table 45: Final Physical Notifications Report

10.2.23 — BM-024: GENERATOR UNIT UNDER TEST NOTICE

This report contains a Generator Unit Under Test Notice to the Market Operator by a participant, which will specify in all cases the Unit Under Test Start Date and time and the Unit Under Test End Date and time, and the Generator Unit Under Test.

I-SEM Report Reference: BM-024
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

10.2.24 — BM-025: IMBALANCE PRICE REPORT (IMBALANCE PRICING PERIOD)

This report contains the Imbalance Price and quantity for BOA (QBOA/PBOA) based on the schedule outputs from RTD runs and real time dispatch instructions for the Imbalance Pricing Period. The report is published at the end of each Imbalance Price calculation process for the corresponding Imbalance Pricing Period.

I-SEM Report Reference: BM-025
Data Source: RT-IMBP Application
Periodicity: Daily
Report Name: PUB_5MinImbalPre
File Names: PUB_5MinImbalPre_YYYYMMDDHHMM.xml
Report Title: Imbalance Price Report
Audience: General Public
Resolution: Imbalance Pricing Period
Time Span: Imbalance Pricing Period
Frequency: End of imbalance-price calculation process for the corresponding Imbalance Pricing Period
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Start time of the Imbalance Price Period
END TIME	TIME (YYYY-MM-DDTH24:MI)	End time of the Imbalance Price Period
NET IMBALANCE VOLUME	NUMBER(8,3)	Net Imbalance Volume
DEFAULT PRICE USAGE	CHAR(1)	Default price used 'Y' or 'N'
ASP PRICE USAGE	CHAR(1)	Administered Scarcity Price Used 'Y' or 'N'
TOTAL UNIT AVAILABILITY	NUMBER(8,3)	Total Availability of all Units
DEMAND CONTROL VOLUME	NUMBER(8,3)	Demand Control Volume
PMEA	NUMBER(8,2)	Price of the Marginal Energy Action in EUR
QPAR	NUMBER(8,3)	Quantity Price Average Reference
ADMINISTERED SCARCITY PRICE	NUMBER(8,2)	Administered Scarcity Price in EUR
IMBALANCE PRICE	NUMBER(8,2)	Imbalance Price in EUR for the Imbalance Pricing Period
MARKET BACKUP PRICE	NUMBER(8,2)	Market Backup Price applicable for the Imbalance Settlement Period
SHORT TERM RESERVE QUANTITY	NUMBER(8,3)	Short Term Reserve Quantity
OPERATING RESERVE REQUIREMENT	NUMBER(8,3)	Operating Reserve Requirement

Table 46: Imbalance Price Report (Imbalance Pricing Period)

10.2.25 — BM-026: IMBALANCE PRICE REPORT (IMBALANCE SETTLEMENT PERIOD)

This report contains the time-weighted average Imbalance Price and net Imbalance Volume for each Trading Period (Imbalance Settlement Period). The report is published once after the end of each imbalance settlement period on the Trading Day.

~~ISEM Report Reference:~~ ~~BM-026~~
~~Data Source:~~ ~~RT-IMBP Application~~
~~Periodicity:~~ ~~Daily~~
~~Report Name:~~ ~~PUB_30MinAvgImbalPre~~
~~File Names:~~ ~~PUB_30MinAvgImbalPre_YYYYMMDDHHMM.xml~~
~~Report Title:~~ ~~Imbalance Price Report (Imbalance Settlement Period)~~
~~Audience:~~ ~~General Public~~
~~Resolution:~~ ~~Imbalance Settlement Period~~
~~Time Span:~~ ~~Previous Imbalance Settlement Period~~
~~Frequency:~~ ~~Imbalance Settlement Period~~
~~Report Format:~~ ~~XML~~

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME(HH:MM:SS)	Imbalance settlement period Start time
END TIME	TIME(HH:MM:SS)	Imbalance settlement period End time
NET IMBALANCE VOLUME	NUMBER(8,3)	Quantity of the Net Imbalance volume (QNIV) for the Imbalance Settlement Period
IMBALANCE SETTLEMENT PRICE	NUMBER(8,2)	Calculated average time-weighted imbalance price for the Imbalance Settlement Period (PIMB)

Table 47: Imbalance Price Report (Imbalance Settlement Period)

~~10.2.26 — BM-027: INFORMATION IMBALANCE PRICE~~

This report contains the Information Imbalance Charge for a Generator Unit in an Imbalance Settlement Period, used in the calculation of Information Imbalance Charges.

~~ISEM Report Reference:~~ ~~BM-027~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Periodically as required~~
~~Report Format:~~ ~~Word/PDF~~

~~10.2.27 — BM-028: PRICE MATERIALITY THRESHOLD~~

This report contains the threshold detailed by the Regulatory Authorities to apply in the event of a pricing dispute.

~~ISEM Report Reference:~~ ~~BM-028~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Periodically as required~~
~~Report Format:~~ ~~Word/PDF~~

~~10.2.28 — BM-029: SETTLEMENT RECALCULATION THRESHOLD~~

~~This report contains the threshold approved by the Regulatory Authorities to apply in the event of a Settlement Rerun as a result of a Dispute or Settlement Query.~~

~~ISEM Report Reference: BM-029
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.29 — BM-030: IMBALANCE WEIGHTING FACTOR~~

~~This report contains the Imbalance Weighting Factor in an Imbalance Settlement Period.~~

~~ISEM Report Reference: BM-030
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.30 — BM-031: DE MINIMIS ACCEPTANCE THRESHOLD~~

~~This report contains the de minimis acceptance threshold, which is the parameter determined by the Regulatory Authorities as the level below which Accepted Bids and Accepted Offers are to be excluded from the calculation of Imbalance Prices.~~

~~ISEM Report Reference: BM-031
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.31 — BM-032: DAILY TECHNICAL OFFER DATA REPORT~~

~~This report details the relevant Technical Offer Data for both Generator Units and Demand Side Units, for the previous Trading Day.~~

~~ISEM Report Reference: BM-032
Data Source: Market Participant
Periodicity: Daily
Report Name: PUB_DailyTechnicalOfferData
File Names: PUB_DailyTechnicalOfferData.xml
Report Title: Daily Technical Offer Data Report
Audience: General Public
Resolution: Trading Day
Time Span: Previous Trading Day (TD-1)
Frequency: Daily
Report Format: XML~~

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day

Field-Name	Format	Description
START-TIME	TIME(YYYY-MM-DDTH24:MI)	Settlement Imbalance Period Start Time
END-TIME	TIME(YYYY-MM-DDTH24:MI)	Settlement Imbalance Period End Time
DELIVERY-DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
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 – permitted values include: GU, DSU
JURISDICTION	VARCHAR2(32)	ROI (Republic of Ireland) or NI (Northern Ireland)
FUEL-TYPE	VARCHAR2(22)	Fuel type. Possible values are: Oil Gas Peat Wind Biomass CHP Hydro Coal Distillate Nuclear Battery Storage Multi-Fuel Pump Storage Fly-Wheel Solar Compressed-Air Storage Other
PRIORITY-DISPATCH-YN	CHAR(1)	Indication of unit's priority in the physical market schedule if in a tie to serve marginal demand. (Y/N)
DISPATCHABLE-YN	CHAR(1)	Dispatchable flag 'Y' or 'N'
CONTROLLABLE-YN	CHAR(1)	Controllable flag 'Y' or 'N'
PUMP-STORAGE-YN	CHAR(1)	It is a Y/N/Null field. Null for supplier, demand and Interconnector Y for Pumped Storage Unit
ENERGY-LIMIT-YN	CHAR(1)	Only applicable to Generators
UNDER-TEST-YN	CHAR(1)	It is a Y/N/Null field. <input type="checkbox"/> Null for Unit is not under test <input type="checkbox"/> Y for Unit is under test
FIRM-ACCESS-QUANTITY	NUMBER(8,3)	Total deep connected capacity designation for the unit
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(8,3)	Capacity above MAXGEN that can be sustained for a finite period of time (MW)
MINIMUM-GENERATION	NUMBER(8,3)	Minimum Output of Generator Unit. The lowest value to which a unit can be scheduled.
MAXIMUM-GENERATION	NUMBER(8,3)	Maximum stable Generation level in MW.
MINIMUM-ON-TIME	NUMBER(11,3)	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(11,3)	Minimum time that a Generation Unit must remain producing no Active Power commencing at the time when it first stops producing no Active Power.
MAXIMUM-ON-TIME	NUMBER(11,3)	Maximum time that can be elapse from the time a Generation Unit is instructed to start-up and run continuously before it must be instructed to shut down.
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 hour for hot state
SYNCHRONOUS-START-UP-TIME WARM	NUMBER(5,2)	Notification/Start-up times in hour for warm state
SYNCHRONOUS-START-UP-TIME COLD	NUMBER(5,2)	Notification/Start-up times in hour for cold state
BLOCK-LOAD-COLD	NUMBER(8,3)	Block Loads for Cold state expressed in MW.
BLOCK-LOAD-HOT	NUMBER(8,3)	Block Loads for Hot state expressed in MW.
BLOCK-LOAD-WARM	NUMBER(8,3)	Block Loads for Warm state expressed in MW.

Field Name	Format	Description
LOADING RATE COLD 1	NUMBER(8,3)	First point of Load up rates between load up break points expressed in MW/min for Cold state.
LOADING RATE COLD 2	NUMBER(8,3)	Second point of Load up rates between load up break points expressed in MW/min for Cold state.
LOADING RATE COLD 3	NUMBER(8,3)	Third point of Load up rates between load up break points expressed in MW/min for Cold state.
LOAD UP BREAK POINT COLD 1	NUMBER(8,3)	First break points of the cold state load up curve expressed in MW.
LOAD UP BREAK POINT COLD 2	NUMBER(8,3)	Second break points of the cold state load up curve expressed in MW.
LOADING RATE HOT 1	NUMBER(8,3)	First point of Load up rates between load up break points expressed in MW/min for Hot state.
LOADING RATE HOT 2	NUMBER(8,3)	Second point of Load up rates between load up break points expressed in MW/min for Hot state.
LOADING RATE HOT 3	NUMBER(8,3)	Third point of Load up rates between load up break points expressed in MW/min for Hot state.
LOAD UP BREAK POINT HOT 1	NUMBER(8,3)	First break points of the hot state load up curve expressed in MW.
LOAD UP BREAK POINT HOT 2	NUMBER(8,3)	Second break points of the hot state load up curve expressed in MW.
LOADING RATE WARM 1	NUMBER(8,3)	First point of Load up rates between load up break points expressed in MW/min for Warm state.
LOADING RATE WARM 2	NUMBER(8,3)	Second point of Load up rates between load up break points expressed in MW/min for Warm state.
LOADING RATE WARM 3	NUMBER(8,3)	Third point of Load up rates between load up break points expressed in MW/min for Warm state.
LOAD UP BREAK POINT WARM 1	NUMBER(8,3)	First break points of the warm state load up curve expressed in MW.
LOAD UP BREAK POINT WARM 2	NUMBER(8,3)	Second break points of the warm state load up curve expressed in MW.
SOAK TIME COLD 1	NUMBER(3)	First point of the Soak Time associated with Trigger point in cold state. Soak times used during start up.
SOAK TIME COLD 2	NUMBER(3)	Second point of the Soak Time associated with Trigger point in cold state. Soak times used during start up.
SOAK TIME TRIGGER POINT COLD 1	NUMBER(8,3)	First trigger points for soak times in Cold state expressed in MW.
SOAK TIME TRIGGER POINT COLD 2	NUMBER(8,3)	Second trigger points for soak times in Cold state expressed in MW.
SOAK TIME HOT 1	NUMBER(3)	First point of the Soak Time associated with Trigger point in hot state. Soak times used during start up.
SOAK TIME HOT 2	NUMBER(3)	Second point of the Soak Time associated with Trigger point in hot state. Soak times used during start up.
SOAK TIME TRIGGER POINT HOT 1	NUMBER(8,3)	First trigger points for soak times in Hot state expressed in MW.
SOAK TIME TRIGGER POINT HOT 2	NUMBER(8,3)	Second trigger points for soak times in Hot state expressed in MW.
SOAK TIME WARM 1	NUMBER(3)	First point of the Soak Time associated with Trigger point in warm state. Soak times used during start up.
SOAK TIME WARM 2	NUMBER(3)	Second point of the Soak Time associated with Trigger point in warm state. Soak times used during start up.
SOAK TIME TRIGGER POINT WARM 1	NUMBER(8,3)	First trigger points for soak times in Warm state expressed in MW.
SOAK TIME TRIGGER POINT WARM 2	NUMBER(8,3)	Second trigger points for soak times in Warm state expressed in MW.
RAMP UP RATE 1	NUMBER(8,3)	First point of Ramp Up Curve (MW/min).
RAMP UP RATE 2	NUMBER(8,3)	Second point of Ramp Up Curve (MW/min).
RAMP UP RATE 3	NUMBER(8,3)	Third point of Ramp Up Curve (MW/min).
RAMP UP RATE 4	NUMBER(8,3)	Fourth point of Ramp Up Curve (MW/min).
RAMP UP RATE 5	NUMBER(8,3)	Fifth point of Ramp Up Curve (MW/min).
RAMP UP BREAK POINT 1	NUMBER(8,3)	First break point of the Ramp Up Curve (MW).
RAMP UP BREAK POINT 2	NUMBER(8,3)	Second break point of the Ramp Up Curve (MW).
RAMP UP BREAK POINT 3	NUMBER(8,3)	Third break point of the Ramp Up Curve (MW).
RAMP UP BREAK POINT 4	NUMBER(8,3)	Fourth break point of the Ramp Up Curve (MW).
DWELL TIME 1	NUMBER(3)	First point of the Dwell Times associated with Trigger point for Dwell Times in MW.
DWELL TIME 2	NUMBER(3)	Second point of the Dwell Times associated with Trigger point for Dwell Times in MW.
DWELL TIME 3	NUMBER(3)	Third point of the Dwell Times associated with Trigger point for Dwell Times in MW.
DWELL TIME TRIGGER POINT 1	NUMBER(8,3)	First trigger points for Dwell times in MW.
DWELL TIME TRIGGER POINT 2	NUMBER(8,3)	Second trigger points for Dwell times in MW.
DWELL TIME TRIGGER POINT 3	NUMBER(8,3)	Third trigger points for Dwell times in MW.

Field Name	Format	Description
DWELL TIME DOWN 1	NUMBER(3)	First point of the Dwell Times Down associated with Trigger point for Dwell Times Down in MW.
DWELL TIME DOWN 2	NUMBER(3)	Second point of the Dwell Times Down associated with Trigger point for Dwell Times Down in MW.
DWELL TIME DOWN 3	NUMBER(3)	Second point of the Dwell Times Down associated with Trigger point for Dwell Times Down in MW.
DWELL TIME DOWN TRIGGER POINT 1	NUMBER(8,3)	First trigger points for Dwell times Down in MW.
DWELL TIME DOWN TRIGGER POINT 2	NUMBER(8,3)	Second trigger points for Dwell times Down in MW.
DWELL TIME DOWN TRIGGER POINT 3	NUMBER(8,3)	Third trigger points for Dwell times Down in MW.
RAMP DOWN RATE 1	NUMBER(8,3)	Fifth point of Ramp Down Curve (MW/min).
RAMP DOWN RATE 2	NUMBER(8,3)	Fourth point of Ramp Down Curve (MW/min).
RAMP DOWN RATE 3	NUMBER(8,3)	Third point of Ramp Down Curve (MW/min).
RAMP DOWN RATE 4	NUMBER(8,3)	Second point of Ramp Down Curve (MW/min).
RAMP DOWN RATE 5	NUMBER(8,3)	First point of Ramp Down Curve (MW/min).
RAMP DOWN BREAK POINT 1	NUMBER(8,3)	First break point of the Ramp Down Curve (MW)
RAMP DOWN BREAK POINT 2	NUMBER(8,3)	Second break point of the Ramp Down Curve (MW)
RAMP DOWN BREAK POINT 3	NUMBER(8,3)	Third break point of the Ramp Down Curve (MW)
RAMP DOWN BREAK POINT 4	NUMBER(8,3)	Fourth break point of the Ramp Down Curve (MW)
DELOADING RATE 1	NUMBER(8,3)	Second point of the de-load rate curve from end-point of startup period to de-loading break point to zero expressed in MW.
DELOADING RATE 2	NUMBER(8,3)	First point of the de-load rate curve from end-point of startup period to de-loading break point to zero expressed in MW.
DELOAD BREAK POINT	NUMBER(8,3)	De-loading break expressed in MW.
MAXIMUM STORAGE CAPACITY	NUMBER(8,3)	Maximum possible capacity that can be produced by a Battery Storage Unit, or by the reservoir for a Pumped Storage Unit (MWh)
MINIMUM STORAGE CAPACITY	NUMBER(8,3)	Minimum possible capacity that can be produced by a Battery Storage Unit, or by the reservoir for a Pumped Storage Unit (MWh)
PUMPING LOAD CAP	NUMBER(8,3)	means the maximum amount of Active Power consumed by a Pumped Storage Unit when in Pumping Mode, or a Battery Storage Unit in Storage Mode (MW).
ENERGY LIMIT MWH	NUMBER(8,3)	For Energy Limited Unit
FIXED UNIT LOAD	NUMBER(8,3)	Fixed Unit Load (FUL) ≥ 0
UNIT LOAD SCALAR	NUMBER(5,4)	Unit Load Scalar (ULS). $0 < ULS \leq 1.9999$
DUAL FUEL FLAG	CHAR(1)	Dual Fuel capable flag. The valid values are 'Y' and 'N'
SECONDARY FUEL TYPE	VARCHAR2(22)	Secondary Fuel Type.
MAXIMUM RAMP UP RATE	NUMBER(8,3)	Rate of load increase. Rate of decreasing demand (MW/min). DSU-only field.
MAXIMUM RAMP DOWN RATE	NUMBER(8,3)	Rate of load reduction; Rate of increasing demand (MW/min). DSU-only field.
MINIMUM DOWN TIME	NUMBER(11,3)	Minimum amount of time the demand-side unit can be scheduled to be off (in Hours) DSU-only field.
MAXIMUM DOWN TIME	NUMBER(11,3)	Maximum amount of time the demand-side unit can be scheduled to be off (in Hours) DSU-only field.

Table 48: Daily Technical Offer Data Report - Standard Units

10.2.32 — BM-033: FORECAST AVAILABILITY REPORT

This report details the forecast availability per Generator Unit and Demand Side Unit for each Trading Period in the previous Trading Day (including wind units).

I-SEM Report Reference:	<i>BM-033</i>
Data Source:	<i>Market Participant</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyForecastAvailability</i>
File Names:	<i>PUB_DailyForecastAvailability.xml</i>
Report Title:	<i>Forecast Availability Report</i>
Audience:	<i>General Public</i>

Resolution: Trading Period
Time Span: At a user-configurable time prior to the start of the Trading Day, for the entire Trading Day
Frequency: Daily
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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 — permitted values include: GU and DSU
JURISDICTION	VARCHAR2(5)	ROI (Republic of Ireland) or NI (Northern Ireland)
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Time
FORECAST AVAILABILITY	NUMBER(8,3)	Forecast Availability Profile (MW)
FORECAST MINIMUM STABLE GEN	NUMBER(8,3)	Forecast Minimum Stable Generation Profile (MW)
FORECAST MINIMUM OUTPUT	NUMBER(8,3)	Forecast Minimum Output Profile (MW)
FUEL USE FLAG	CHAR(1)	Indicates the fuel use type selected. The valid values are 'P' and 'S' (denoting Primary and Secondary respectively).

Table 49: Forecast Availability Report

10.2.33 — BM-034: COMMERCIAL OFFER DATA REPORT

This report is produced after the Trading Day, detailing the Simple Commercial Offer Data and Complex Commercial Offer Data, for each Imbalance Settlement Period.

ISEM Report Reference: BM-034
Data Source: MP submissions
Periodicity: Daily
Report Name: PUB_DailyCommercialOfferData
File Names: PUB_DailyCommercialOfferData.xml
Report Title: Commercial Offer Data Report — General Public
Audience: General Public
Resolution: Trade Period (23:00 D-1 to 23:00 D)
Time Span: Previous Trading Day
Frequency: Daily
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
PARTICIPANT NAME	VARCHAR2(12)	Name of the participant.
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 — permitted values include: GU, DSU,

JURISDICTION	VARCHAR2(5)	ROI (Republic of Ireland) or NI (Northern Ireland)
BID TYPE	VARCHAR2(6)	Complex /Simple
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Time
INCPRICE1	NUMBER(8,2)	INC PQ Pair Price 1
INCQUANTITY1	NUMBER(8,3)	INC PQ Pair Quantity 1
INCPRICE2	NUMBER(8,2)	INC PQ Pair Price 2
INCQUANTITY2	NUMBER(8,3)	INC PQ Pair Quantity 2
INCPRICE3	NUMBER(8,2)	INC PQ Pair Price 3
INCQUANTITY3	NUMBER(8,3)	INC PQ Pair Quantity 3
INCPRICE4	NUMBER(8,2)	INC PQ Pair Price 4
INCQUANTITY4	NUMBER(8,3)	INC PQ Pair Quantity 4
INCPRICE5	NUMBER(8,2)	INC PQ Pair Price 5
INCQUANTITY5	NUMBER(8,3)	INC PQ Pair Quantity 5
INCPRICE6	NUMBER(8,2)	INC PQ Pair Price 6
INCQUANTITY6	NUMBER(8,3)	INC PQ Pair Quantity 6
INCPRICE7	NUMBER(8,2)	INC PQ Pair Price 7
INCQUANTITY7	NUMBER(8,3)	INC PQ Pair Quantity 7
INCPRICE8	NUMBER(8,2)	INC PQ Pair Price 8
INCQUANTITY8	NUMBER(8,3)	INC PQ Pair Quantity 8
INCPRICE9	NUMBER(8,2)	INC PQ Pair Price 9
INCQUANTITY9	NUMBER(8,3)	INC PQ Pair Quantity 9
INCPRICE10	NUMBER(8,2)	INC PQ Pair Price 10
INCQUANTITY10	NUMBER(8,3)	INC PQ Pair Quantity 10
DECPRICE1	NUMBER(8,2)	DEC PQ Pair Price 1
DECQUANTITY1	NUMBER(8,3)	DEC PQ Pair Quantity 1
DECPRICE2	NUMBER(8,2)	DEC PQ Pair Price 2
DECQUANTITY2	NUMBER(8,3)	DEC PQ Pair Quantity 2
DECPRICE3	NUMBER(8,2)	DEC PQ Pair Price 3
DECQUANTITY3	NUMBER(8,3)	DEC PQ Pair Quantity 3
DECPRICE4	NUMBER(8,2)	DEC PQ Pair Price 4
DECQUANTITY4	NUMBER(8,3)	DEC PQ Pair Quantity 4
DECPRICE5	NUMBER(8,2)	DEC PQ Pair Price 5
DECQUANTITY5	NUMBER(8,3)	DEC PQ Pair Quantity 5
DECPRICE6	NUMBER(8,2)	DEC PQ Pair Price 6
DECQUANTITY6	NUMBER(8,3)	DEC PQ Pair Quantity 6
DECPRICE7	NUMBER(8,2)	DEC PQ Pair Price 7
DECQUANTITY7	NUMBER(8,3)	DEC PQ Pair Quantity 7
DECPRICE8	NUMBER(8,2)	DEC PQ Pair Price 8
DECQUANTITY8	NUMBER(8,3)	DEC PQ Pair Quantity 8
DECPRICE9	NUMBER(8,2)	DEC PQ Pair Price 9
DECQUANTITY9	NUMBER(8,3)	DEC PQ Pair Quantity 9
DECPRICE10	NUMBER(8,2)	DEC PQ Pair Price 10
DECQUANTITY10	NUMBER(8,3)	DEC PQ Pair Quantity 10
STARTUP COST HOT	NUMBER(8,2)	Cost to start-up when in hot warmth state. Only applicable for complex (Bid Type "C")
STARTUP COST WARM	NUMBER(8,2)	Cost to start-up when in warm warmth state. Only applicable for complex (Bid Type "C")
STARTUP COST COLD	NUMBER(8,2)	Cost to start-up when in cold warmth state. Only applicable for complex (Bid Type "C")
SHUTDOWN COST	NUMBER(8,2)	Cost to shut-down for Demand Side Unit. Only applicable for complex (Bid Type "C")
NO LOAD COST	NUMBER(8,2)	The element of Operation Cost. Only applicable for complex (Bid Type "C")
PUMP STORAGE CYC EFY	NUMBER(,3)	For Pumped Storage Units. Only applicable for complex (Bid Type "C")

Table 50: Commercial Offer Data Report – General Public

10.2.34 — BM-036: DAILY DEMAND CONTROL DATA TRANSACTION REPORT

This report contains Load Shedding (demand control) volume by Imbalance Settlement Period for the previous Trading Day.

ISEM Report Reference: BM-036
Data Source: Market Participant
Periodicity: Daily
Report Name: PUB_DailyDemandControlData
File Names: PUB_DailyDemandControlData.xml
Report Title: Daily Demand Control Data Transaction Report
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Previous Trading Day (TD-1)
Frequency: Daily
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
START TIME	TIME (YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start time
END TIME	TIME (YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
ESTIMATE-DEMAND-REDUCTION-MW	NUMBER(11,3)	Estimate of any reduction in demand as a consequence of Demand Control i.e. Load Shedding

Table 51: Daily Demand Control Data Transaction Report

10.2.35 ~~BM-037: DAILY DISPATCH INSTRUCTIONS (D+1) REPORT~~

This report contains the Dispatch Instructions for the previous Calendar Day, for all applicable Units.

ISEM Report Reference: BM-037
Data Source: ISO
Periodicity: Daily
Report Name: PUB_DailyDispatchInstrD1
File Names: PUB_DailyDispatchInstrD1.xml
Report Title: Daily Dispatch Instructions (D+1) Report
Audience: General Public
Resolution: Per Dispatch Instruction
Time Span: Calendar Day-1
Frequency: Daily
Report Format: XML

Field Name	Format	Description
EFF TIME	TIME (YYYY-MM-DDTH24:MI)	Instruction Time Stamp
EFF UNTILTIME	TIME (YYYY-MM-DDTH24:MI)	End time of the instruction
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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).
DISPATCH INSTRUCTION-MW	NUMBER(8,3)	Dispatch Instruction (MW)
INSTRUCTION CODE	VARCHAR2(4)	Instruction Code
INSTRUCTION COMBINATION CODE	VARCHAR2(4)	Instruction Combination Code
INSTR-ISSUE TIME	TIME (YYYY-MM-DDTH24:MI)	Instruction Issue Time

Field Name	Format	Description
RAMP-UP-RATE	NUMBER(8,3)	Ramp-Up-Rate
RAMP-DOWN-RATE	NUMBER(8,3)	Ramp-Down-Rate

Table 52: Daily Dispatch Instructions (D+4) Report

10.2.36 — BM-038: DAILY DISPATCH INSTRUCTIONS (D+4) REPORT

This report contains Dispatch Instructions for all applicable Units for Calendar Day 4.

I-SEM Report Reference:	<i>BM-038</i>
Data Source:	<i>TSO</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyDispatchInstrD4</i>
File Names:	<i>PUB_DailyDispatchInstrD4.xml</i>
Report Title:	<i>Daily Dispatch Instructions (D+4) Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Per Dispatch Instructions</i>
Time Span:	<i>Calendar Day 4</i>
Frequency:	<i>Four days after Calendar Day</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
EFF TIME	TIME(YYYY-MM-DDTH24:MI)	Instruction Time Stamp
EFF UNTILTIME	TIME(YYYY-MM-DDTH24:MI)	End time of the instruction
PARTICIPANT-NAME	VARCHAR2(32)	The PT-Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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).
DISPATCH INSTRUCTION-MW	NUMBER(8,3)	Dispatch Instruction (MW)
INSTRUCTION CODE	VARCHAR2(4)	Instruction Code
INSTRUCTION COMBINATION CODE	VARCHAR2(4)	Instruction Combination Code
INSTRISUE TIME	TIME(YYYY-MM-DDTH24:MI)	Instruction Issue Time
RAMP-UP-RATE	NUMBER(8,3)	Ramp-Up-Rate
RAMP-DOWN-RATE	NUMBER(8,3)	Ramp-Down-Rate

Table 53: Daily Dispatch Instructions (D+4) Report

10.2.37 — BM-039: TRACKED DIFFERENCE PAYMENT SHORTFALL AMOUNT

This report contains the Tracked Difference Payment Shortfall Amount, which is the sum of Difference Payment Shortfall Amounts and Difference Payment Reimbursement Amounts arising to date for a Supplier Unit in a Settlement Day for use in determining reimbursements for previous shortfalls amounts relating to Difference Payments.

I-SEM Report Reference:	<i>BM-039</i>
Audience:	<i>General Public</i>
Frequency:	<i>Periodically as required</i>
Report Format:	<i>Word/PDF</i>

~~10.2.38 — BM-040: CARBON PRICE~~

This report contains the Carbon Price in a Month reflecting the reference carbon price used to include the cost of carbon in the Strike Price for each of the fuels according to the carbon intensity of those fuels.

ISON-SEM Report Reference:	BM-040
Audience:	General Public
Frequency:	Periodically as required
Report Format:	Word/PDF

~~10.2.39 — BM-041: NATURAL GAS FUEL PRICE~~

This report contains the Natural Gas Fuel Price in a Month reflecting the reference natural gas price, inclusive of fuel transport adders, used in the calculation of the Strike Price.

ISON-SEM Report Reference:	BM-041
Audience:	General Public
Frequency:	Periodically as required
Report Format:	Word/PDF

~~10.2.40 — BM-042: OIL FUEL PRICE~~

This report contains the Oil Fuel Price in a Month reflecting the reference oil price, inclusive of fuel transport adders, used in the calculation of the Strike Price.

ISON-SEM Report Reference:	BM-042
Audience:	General Public
Frequency:	Periodically as required
Report Format:	Word/PDF

~~10.2.41 — BM-043: PEAKING UNIT THEORETICAL EFFICIENCY~~

This report contains The Peaking Unit Theoretical Efficiency in a Capacity Year representing the higher heating value (HHV) efficiency of a theoretical peaking unit for use in calculating the Strike Price.

ISON-SEM Report Reference:	BM-043
Audience:	General Public
Frequency:	Periodically as required
Report Format:	Word/PDF

~~10.2.42 — BM-044: NATURAL GAS CARBON INTENSITY FACTOR~~

This report contains the Natural Gas Carbon Intensity Factor in a Capacity Year used to include the cost for carbon emissions when considering the reference price for natural gas.

ISON-SEM Report Reference:	BM-044
Audience:	General Public
Frequency:	Periodically as required
Report Format:	Word/PDF

~~10.2.43 — BM-045: OIL CARBON INTENSITY FACTOR~~

~~This report contains the The Oil Carbon Intensity Factor in a Capacity Year used to include the cost for carbon emissions when considering the reference price for oil.~~

~~ISON-SEM Report Reference: BM-045
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.44 — BM-046: AGGREGATED SETTLEMENT PERIOD~~

~~This report details the Aggregated Settlement Period as determined by the Regulatory Authorities.~~

~~ISON-SEM Report Reference: BM-046
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.45 — BM-047: ANNUAL STOP-LOSS LIMIT FACTOR~~

~~This report contains the Annual Stop-Loss Limit Factor, which is the multiplier (%) used to establish the annual stop-loss limit for Non-Performance Difference Charges from a Capacity Market Unit approved by the Regulatory Authorities.~~

~~ISON-SEM Report Reference: BM-047
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.46 — BM-048: BILLING PERIOD STOP-LOSS LIMIT FACTOR~~

~~This report contains the Billing Period Stop-Loss Limit Factor, which is the multiplier (%) used to establish the billing period stop-loss limit for Non-Performance Difference Charges from a Capacity Market Unit determined by the Regulatory Authorities.~~

~~ISON-SEM Report Reference: BM-048
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.2.47 — BM-049: TOTAL CAPACITY AWARDED~~

~~This report details the Total Capacity Awarded after every Capacity Auction.~~

~~ISON-SEM Report Reference: BM-049~~

Audience: ~~General Public~~
Frequency: ~~Periodically as required~~
Report Format: ~~Word/PDF~~

~~10.2.48 — BM-050: RESPONSE PERIOD DURATION~~

~~This report contains the Response Period Duration, which is when the Market Operator provides a Participant with a Required Credit Cover Report containing a Credit Cover Increase Notice and the previous Required Credit Cover Report provided to the Participant did not contain a Credit Cover Increase Notice.~~

I-SEM Report Reference: ~~BM-050~~
Audience: ~~General Public~~
Frequency: ~~Periodically as required~~
Report Format: ~~Word/PDF~~

~~10.2.49 — BM-051: ANNUAL CAPACITY CHARGE EXCHANGE RATE~~

~~This Report contains the exchange rate between pounds sterling and euro to be applied for a Capacity Year in respect of calculations relating to Capacity Charges.~~

I-SEM Report Reference: ~~BM-051~~
Audience: ~~General Public~~
Frequency: ~~Annually and as required~~
Report Format: ~~Word/PDF~~

~~10.2.50 — BM-052: CAPACITY DURATION EXCHANGE RATE~~

~~This report contains the exchange rate between pounds sterling and euro to be applied in respect of calculations relating to amounts calculated based on a Contract Register Entry, n, in accordance with the Capacity Market Code.~~

I-SEM Report Reference: ~~BM-052~~
Audience: ~~General Public~~
Frequency: ~~Annually and as required~~
Report Format: ~~Word/PDF~~

~~10.2.51 — BM-053: CAPACITY CHARGE METERED QUANTITY FACTOR~~

~~This report contains the Capacity Charge Metered Quantity Factor in an Imbalance Settlement Period denoting which Imbalance Settlement Periods the Regulatory Authorities have determined should be used as the basis for Capacity Charge in respect of Supplier Units. It shall have a value of one for periods to be considered, and a value of zero for the periods not to be considered.~~

I-SEM Report Reference: ~~BM-053~~
Audience: ~~General Public~~
Frequency: ~~Annually and as required~~
Report Format: ~~Word/PDF~~

~~10.2.52 — BM-054: SUPPLIER CAPACITY CHARGE PRICE~~

~~This report contains the Supplier Capacity Charge Price in a Capacity Year, which is used in the calculation of Capacity Charges.~~

~~ISEM Report Reference: BM-054
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.53 — BM-055: DIFFERENCE PAYMENT SOCIALISATION MULTIPLIER~~

~~This report contains the Difference Payment Socialisation Multiplier for a Capacity Year, which is used as a multiplier of the Capacity Charge to establish the Difference Payment Socialisation Charge.~~

~~ISEM Report Reference: BM-055
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.54 — BM-056: MARKET PRICE CAP~~

~~This report contains the Market Price Cap, reflecting the maximum permitted value for the Imbalance Price for any Imbalance Pricing Period.~~

~~ISEM Report Reference: BM-056
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.55 — BM-057: MARKET PRICE FLOOR~~

~~This report contains the Market Price Floor, reflecting the minimum permitted value for the Imbalance Price for any Imbalance Pricing Period.~~

~~ISEM Report Reference: BM-057
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.56 — BM-058: RESIDUAL METER VOLUME INTERVAN PROPORTION~~

~~This report contains the proportion of the Residual Error Volume Charge to be applied to Supplier Units in Currency Zone in respect of their Interval Metering.~~

~~ISEM Report Reference: BM-058~~
~~Audience: General Public~~
~~Frequency: Annually and as required~~
~~Report Format: Word/PDF~~

~~10.2.57 — BM-059: RESIDUAL ERROR VOLUME PRICE~~

~~This report contains the Residual Error Volume Price in a Year, which is used in the calculation of Residual Error Volume Charges.~~

~~ISEM Report Reference: BM-059~~
~~Audience: General Public~~
~~Frequency: Annually and as required~~
~~Report Format: Word/PDF~~

~~10.2.58 — BM-060: FIXED MARKET OPERATOR CHARGE (SUPPLIER UNIT)~~

~~This report contains the charge proposed annually by the Market Operator to be applied in respect of each Supplier Unit.~~

~~ISEM Report Reference: BM-060~~
~~Audience: General Public~~
~~Frequency: Annually and as required~~
~~Report Format: Word/PDF~~

~~10.2.59 — BM-061: FIXED MARKET OPERATOR CHARGE (GENERATOR UNIT)~~

~~This report contains the charge proposed annually by the Market Operator to be applied in respect of each Generator Unit.~~

~~ISEM Report Reference: BM-061~~
~~Audience: General Public~~
~~Frequency: Annually and as required~~
~~Report Format: Word/PDF~~

~~10.2.60 — BM-062: VARIABLE MARKET OPERATOR PRICE~~

~~This report contains the unit price at which the Variable Market Operator Charge is levied on Participants.~~

~~ISEM Report Reference: BM-062~~
~~Audience: General Public~~
~~Frequency: Annually and as required~~
~~Report Format: Word/PDF~~

~~10.2.61 — BM-063: ENGINEERING TOLERANCE~~

~~This report contains the Engineering Tolerance, which is the percentage tolerance between the Dispatch Quantity under a Dispatch Instruction and Actual Output of a Generator Unit, without accounting for frequency deviations, within which the Generator Unit is deemed to be operating in accordance with its Dispatch Instruction, and which is used in the calculation of Uninstructed Imbalances.~~

~~ISEM Report Reference: BM-063
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.62 — BM-064: MW TOLERANCE~~

~~This report contains the tolerance value in MW within which a Generator Unit is deemed to be complying with its Dispatch Instruction, before consideration of frequency response, which is used in the calculation of Uninstructed Imbalances.~~

~~ISEM Report Reference: BM-064
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.63 — BM-065: SYSTEM PER UNIT REGULATION FACTOR~~

~~This report contains the System Per Unit Regulation Factor, which is the parameter reflecting the automatic response of a generating unit to variations in the system frequency which is used in the calculation of the Tolerance for Over-Generation and the Tolerance for Under-Generation used in the determination of Uninstructed Imbalance Charges.~~

~~ISEM Report Reference: BM-065
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.64 — BM-066: DOG/PUG/TOLOG/TOLUG FOR OVER/UNDER GENERATION~~

~~Refer to section 10.2.100 BM-103 Energy Market Financial Publication — Indicative~~

~~ISEM Report Reference: BM-066
Data Source: CSB Settlement System
Periodicity: Daily

File Names: GP_GP_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: DOG/PUG/TOLOG/TOLUG for Over/Under-Generation
Audience: General Public
Resolution: Imbalance Settlement Period~~

~~Time Span:~~ ~~Market Volume and Settlement by Settlement Period~~
~~Frequency:~~ ~~Settlement Day~~
~~Report Format:~~ ~~XML~~

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for report (GP)
MARKET_NAME	VARCHAR2(6)	Market name (BALIMB)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT, M4, M13, AH)

Table 54: Under/Over Generation Report Header Field Description

Field Name	Format	Description
RESOURCE_NAME	VARCHAR2(32)	Name of the resource. Only populated if applicable.
DETERMINANT_NAME	VARCHAR2(16)	Name of the determinant
DETERMINANT_UNIT	VARCHAR2(8)	Units for determinant (MW, MWh, etc.)
VALUE_DATE TIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
VALUE AMOUNT	NUMBER(28,8)	Value of the determinant for this resource in this ISP.

Table 55: Under/Over Generation Report Field Description

~~10.2.65 — BM-067: TRANSMISSION LOSS ADJUSTMENT FACTOR~~

~~This report contains the factor for each Unit in each Imbalance Settlement Period to adjust the Output or Demand of that Unit for the effect of Transmission Losses and as otherwise provided for in the Trading and Settlement Code.~~

~~I-SEM Report Reference:~~ ~~BM-067~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Annually and as required~~
~~Report Format:~~ ~~Word/PDF~~

~~10.2.66 — BM-068: DISTRIBUTION LOSS ADJUSTMENT FACTOR~~

~~This report contains the factor for each Unit in each Imbalance Settlement Period to adjust the Output or Demand of that Unit for the effect of Distribution Losses and as otherwise provided for in the Trading and Settlement Code.~~

~~I-SEM Report Reference:~~ ~~BM-068~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Annually and as required~~
~~Report Format:~~ ~~Word/PDF~~

~~10.2.67 — BM-069: COMBINED LOSS ADJUSTMENT FACTOR~~

~~This report contains the factor for each Unit in each Imbalance Settlement Period, as calculated by the System Operators, to adjust the Output or Demand of that Unit for the effect of Transmission Losses and Distribution Losses and as otherwise provided for in the Trading and Settlement Code.~~

~~I-SEM Report Reference:~~ ~~BM-069~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Annually and as required~~

Report Format: Word/PDF

~~10.2.68 — BM-070: IMPERFECTIONS PRICE~~

~~This report contains the Imperfections Charge for a Year used in the calculation of Imperfections Charges.~~

~~*ISEM Report Reference:* BM-070
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.69 — BM-071: IMPERFECTIONS CHARGE FACTOR~~

~~This report contains the Imperfections Charge Factor for a Year.~~

~~*ISEM Report Reference:* BM-071
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.70 — BM-072: TESTING TARIFF~~

~~This report contains the testing tariffs applicable to Generator Units Under Test.~~

~~*ISEM Report Reference:* BM-072
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.71 — BM-073: SCHEDULE OF TESTING TARIFFS~~

~~This report will contain the schedule of Testing Tariffs for a Year.~~

~~*ISEM Report Reference:* BM-073
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.72 — BM-074: FIXED CREDIT REQUIREMENT, IN RESPECT OF GENERATOR AND/OR SUPPLIER UNITS~~

~~This report contains the minimum Credit Cover requirement for any Participant in respect of each of its Generator Units and/or in respect of each of its Supplier Units, as approved by the Regulatory Authorities.~~

~~*ISEM Report Reference:* BM-074~~

<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

~~10.2.73 — BM-075: DAYS IN HISTORICAL ASSESSMENT PERIOD~~

~~This report contains the number of days (Historical Assessment Period) prior to the day of the issue of the latest relevant Settlement Document over which a statistical analysis of a Participant's incurred liabilities, separately in respect of its Generator Units and Supplier Units, shall be undertaken in order to support the forecasting of undefined liabilities for that Participant.~~

<i>I-SEM Report Reference:</i>	<i>BM-075</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

~~10.2.74 — BM-076: ANALYSIS PERCENTILE PARAMETER~~

~~This report contains the percentage degree of statistical confidence that Actual Exposures, once determined for each Participant, will fall below the estimate of Undefined Potential Exposure, as approved by the Regulatory Authorities.~~

<i>I-SEM Report Reference:</i>	<i>BM-076</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

~~10.2.75 — BM-077: CREDIT COVER ADJUSTMENT TRIGGER~~

~~This report contains the trigger value for determining when a Participant should report to the Market Operator expected future changes in the total metered quantities of its Supplier Units or settlement quantities of its Generator Units such that it should be designated an Adjusted Participant, as approved by the Regulatory Authorities.~~

<i>I-SEM Report Reference:</i>	<i>BM-077</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

~~10.2.76 — BM-078: CURRENCY COST PRICE~~

~~This report contains the Currency Cost Price in a Year for use in the calculation of Currency Adjustment Charges.~~

<i>I-SEM Report Reference:</i>	<i>BM-078</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

~~10.2.77 — BM-079: CURRENCY COST CHANGE FACTOR~~

~~This report contains the Currency Cost Charge Factor in a Year, as approved by the Regulatory Authorities.~~

~~ISON Report Reference: BM-079
Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF~~

~~10.2.78 — BM-080: ANNUAL MAINTENANCE SCHEDULE — TRANSMISSION LINE OUTAGE~~

~~This report contains the Annual Maintenance Schedule for Transmission Line Outage.~~

~~ISON Report Reference: BM-080
Audience: General Public
Frequency: Annually, in April of each year
Report Format: XLS~~

~~10.2.79 — BM-081: TWO YEAR MAINTENAINCE SCHEDULE — GENERATOR OUTAGES SCHEDULE~~

~~This report contains the Two Year Maintenance Schedule for Generator Outages.~~

~~ISON Report Reference: BM-081
Audience: General Public
Frequency: Annually and as required
Report Format: XLS~~

~~10.2.80 — BM-082: MONTHLY MAINTENANCE SCHEDULE — GENERATOR UNIT OUTAGES~~

~~This report contains the Monthly Maintenance Schedule for Generator Unit Outages.~~

~~ISON Report Reference: BM-082
Audience: General Public
Frequency: Monthly
Report Format: XLS~~

~~10.2.81 — BM-083: MONTHLY MAINTENANCE SCHEDULE — TRANSMISSION SYSTEM LINE OUTAGES~~

~~This report contains the Monthly Maintenance Schedule for Transmission System Line Outages.~~

~~ISONEMO Report Reference: BM-083~~
~~Audience: General Public~~
~~Frequency: Monthly~~
~~Report Format: XLS~~

~~10.2.82 BM-084: DAILY TRADING EXCHANGE RATE REPORT~~

~~This report contains the Daily Trading Exchange Rate, retrieved two days prior to the Trading Day.~~

~~ISONEMO Report Reference: BM-084~~
~~Data Source: Market Operator~~
~~Periodicity: Daily~~
~~Report Name: PUB-DailyExchangeRate~~
~~File Names: PUB-DailyExchangeRate.xml~~
~~Report Title: Daily Trading Exchange Rate Report~~
~~Audience: General Public~~
~~Resolution: Trading Day~~
~~Time Span: Trading Day + 2~~
~~Frequency: Daily~~
~~Report Format: XML~~

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
FROM CURRENCY	CHAR(1)	From Currency – Euro (E) or Sterling Pound (P).
TO CURRENCY	CHAR(1)	To Currency – Euro (E) or Sterling Pound (P).
EXCHANGE RATE	NUMBER(4,2)	Exchange Rate

Table 56: Daily Trading Day Exchange Rate Report

~~10.3 SETTLEMENT DATA~~

~~10.3.1 BM-085: SETTLEMENT CALENDAR~~

~~This report is available to all Participants and the general public. Each entry in the settlement calendar has a Calendar Event describing an expected event such as the availability of settlement reports or payment timelines.~~

~~ISONEMO Report Reference: BM-085~~
~~Data Source: CSB Settlement System~~
~~Periodicity: Annually Set, updated ad hoc as required~~
~~File Names: SC_PT_ALL_<SettlementDay/OperatingDays>_<PublicationDays>_<ALL_ REPT_<Timestamp> (see note below²)~~
~~Report Title: Settlement Calendar~~
~~Audience: General Public~~
~~Resolution: Event by Calendar Day~~
~~Time Span: Annually, updated ad hoc as required~~

² File Type – can be either Operational day or Settlement day depending on how the report is generated

Frequency: Annually set, updated as necessary

Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for report (SC)
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication

Table 57: Settlement Calendar Header Field Description

Field Name	Format	Description
OPERATIONAL_DATE	DATE (YYYY-MM-DD)	This is the date the run defined by the calendar entry occurs on, and is the default sort key for the calendar.
MARKET	VARCHAR2(6)	This describes the primary separation of settlements, and is expected to have the following three values: <ul style="list-style-type: none"> Imbalance (BALIMB) Capacity Market (CRM) MQ
PUBLICATION	VARCHAR2(24)	This field contains those calendar events marked as Publish, and describes the type of document produced by the run for this calendar entry. Following the SEM settlement calendar, the Publication field is expected to have the following values: <ul style="list-style-type: none"> Statements Settlement Documents Payments IN Payments OUT MDP submission timelines
RUN_TYPE	VARCHAR2(5)	This field describes the run identifier. Following the SEM settlement calendar, the Run field is expected to have the following values: <ul style="list-style-type: none"> Indicative (INDIC) Initial (INIT) M4 (M4) M13 (M13) Ad hoc (AH)
PERIOD_TYPE	VARCHAR2(24)	This field defines the number of days that make up the particular run. In I-SEM, Indicative and Initial runs for Statements are anticipated to have a Period Type of Day and otherwise a Period Type of Week, while all runs applying to Settlement Documents are anticipated to have a Period Type of Week. Although it is currently anticipated to follow the same timeline as the Imbalance market, the Capacity Market may require a Month period type.
PERIOD_END_DATE	TIME (YYYY-MM-DDTH24:MI)	This field defines the end of the last day in the settlement period defined by the Period Type.
MODIFIED	DATE (YYYY-MM-DD)	This value of this field is the last modification date of the calendar entry. Here, "modification" includes both a new entry and an updated entry.
COMMENTS	VARCHAR2(512)	This field is a free-form text entry. The current SEM settlement calendar uses comments such as "Payments in by 12:00", "Published by 17:00", and "Week 44 2015".

Table 58: Settlement Calendar Field Description

10.3.2 BM-086: DAILY METER DATA REPORT

This report contains metered generation (MWh) for each Generator Unit and Interconnectors per Imbalance Settlement Period, on a Settlement Day basis. This report is published D+1 and D+4.

ISEM Report Reference:	<i>BM-086</i>
Data Source:	<i>Motor Data Provider</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyMeterDataD4</i>
File Names:	<i>PUB_DailyMeterDataD4.xml</i>
Report Title:	<i>Daily Meter Data Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Imbalance Settlement Period</i>
Time Span:	<i>Calendar Day (TD-1WD) and (TD-5WD)</i>
Frequency:	<i>Daily</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day commences at 23:00hrs (GMT)
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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 - permitted values include: GU, DSU, Interconnector.
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End Time
JURISDICTION	VARCHAR2(32)	ROI (Republic of Ireland) or NI (Northern Ireland)
METERED_MW	NUMBER(8,3)	Represents the total generation (MWh)

Table 59: Daily Meter Data Report

10.3.3 BM-087: INITIAL INTERCONNECTOR FLOWS AND RESIDUAL CAPACITY REPORT

This report contains the initial metered Interconnector flow and the difference between metered and scheduled interconnector flow per Imbalance Settlement Period for the settlement day.

ISEM Report Reference:	<i>BM-087</i>
Data Source:	<i>Settlement</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_DailyIntconFlowAndResCap</i>
File Names:	<i>PUB_DailyIntconFlowAndResCap.xml</i>
Report Title:	<i>Initial Interconnector Flows and Residual Capacity Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Imbalance Settlement Period</i>
Time Span:	<i>Settlement Day-4</i>
Frequency:	<i>Daily (every Working Day as Motor Data is received per Working Day)</i>

Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
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).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End Time
METERED FLOW	NUMBER(8,3)	Initial Flow (MW)
FLOW VARIANCE	NUMBER(8,3)	Difference between Indicative and Initial or scheduled flow
RESIDUAL CAPACITY	NUMBER(8,3)	Residual Capacity (MW)

Table 60: Initial Interconnector Flows and Residual Capacity Report

10.3.4 BM-088: DAILY TRANSMISSION OUTAGE SCHEDULE REPORT

This report contains transmission outage schedules for all Units, where applicable, for the next Trading Day.

ISEM Report Reference: BM-088
Data Source: TSO
Periodicity: Daily
Report Name: PUB_DailyTransOutageSchedule
File Names: PUB_DailyTransOutageSchedule.xml
Report Title: Daily Transmission Outage Schedule Report
Audience: General Public
Resolution: Per outage durations
Time Span: Next Trading Day
Frequency: Daily
Report Format: XML

Field Name	Format	Description
EQUIPMENT TYPE	VARCHAR2(6)	Equipment Type
EQUIPMENT ID	VARCHAR2(36)	Equipment Identifier
EQUIPMENT NAME	VARCHAR2(32)	Equipment Name
OUTAGE REASON FLAG	CHAR(1)	Outage Reason Flag: P – Planned F – Forced C – Consequential
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as “Day” in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Outage Start Date/Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Outage End Date/Time

Table 61: Daily Transmission Outage Schedule Report

10.3.5 BM-089: AVERAGE SYSTEM FREQUENCY REPORT

This report contains the nominal and calculated average System Frequency by Imbalance Settlement Period for the relevant Trading Day.

ISEM Report Reference: BM-089
Periodicity: Daily
Report Name: PUB_AvgSystemFrequency
File Names: PUB_AvgSystemFrequency.xml

Report Title: *Average System Frequency Report*
Audience: *General Public*
Resolution: *Imbalance Settlement Period*
Time Span: *Calendar Day—1*
Frequency: *Daily*
Report Format: *XML*

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Date
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time
NOMINAL FREQUENCY	NUMBER(6,3)	Nominal Frequency
AVERAGE FREQUENCY	NUMBER(6,3)	Average Frequency

Table 62: Average System Frequency Report

10.3.6 BM-090: SO INTERCONNECTOR TRADES REPORT

This daily report contains Interconnector Trades for the previous Calendar Day, including interconnector import/export prices and associated MW quantities.

I-SEM Report Reference: *BM-090*
Periodicity: *Daily*
Report Name: *PUB_DailyIntconTrades*
File Names: *PUB_DailyIntconTrades.xml*
Report Title: *SO Interconnector Trades Report*
Audience: *General Public*
Resolution: *Imbalance Settlement Period*
Time Span: *Settlement Day—1*
Frequency: *Daily*
Report Format: *XML*

Field Name	Format	Description
SETTLEMENT DATE	DATE (YYYY-MM-DD)	Settlement Date
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).
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
SO INTERCON IMP PRICE	Number(8,2)	Import Price for SO Trades
SO INTERCON IMP QUANTITY	Number(8,3)	Import Quantity for SO Trades
SO INTERCON EXP PRICE	Number(8,2)	Export Price for SO Trades
SO INTERCON EXP QUANTITY	Number(8,3)	Export Quantity for SO Trades

Table 63: SO Interconnector Trades Report

10.3.7 BM-091: UNIT DATA REPORT

This report contains Generator Unit and Demand Side Unit Fuel Type for the previous Trading Day.

I-SEM Report Reference: *BM-091*
Periodicity: *Daily*

Report Name: PUB_DailyUnitData
File Names: PUB_DailyUnitData.xml
Report Title: Unit Data Report
Audience: General Public
Resolution: Trading Day
Time Span: Trading Day — 1
Frequency: Daily
Report Format: XML

Field Name	Format	Description
JURISDICTION	VARCHAR2(32)	ROI (Republic of Ireland) or NI (Northern Ireland)
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
PARTICIPANT_FULLNAME	VARCHAR2(60)	Full Name of the Participant
PARTICIPANT_NAME	VARCHAR2(12)	Participant name
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)	Type of resource
FUEL_TYPE	VARCHAR2(22)	Fuel type. Possible values are: Oil Gas Peat Wind Biomass CHP Hydro Coal Distillate Nuclear Battery Storage Multi-Fuel Pump Storage Fly-Wheel Solar Compressed Air Storage Other

Table 64: Unit Data Report

40.3.8 BM-094: METERED VOLUMES BY JURISDICTION

ISEM Report Reference: BM-094
Data Source: System
Periodicity: Daily
File Names: MJ_GP_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>.xml
Report Title: Metered Volumes By Jurisdiction
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Settlement Day
Frequency: Daily — 1WD-D-5WD
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(6)	Identifier for report (MJ)
MARKET_NAME	VARCHAR2(6)	Market name (BALIMB)
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Settlement Date

Table 65: Metered Volumes by Jurisdiction Report Header Field Description

Field Name	Format	Description
VALUE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP
VALUE: METERED_GENERATION	NUMBER(28,8)	Metered Generation
VALUE: METERED_DEMAND	NUMBER(28,8)	Metered Demand
JURISDICTION	VARCHAR2(3)	ROI (Republic of Ireland) or NI (Northern Ireland)
VALUE: UNIT	VARCHAR2(8)	Units of measure (e.g. MW)

Table 66: Metered Volumes by Jurisdiction Report

10.3.9 BM-095: BALANCING AND IMBALANCE MARKET COST VIEW REPORT

This report contains the total Settlement Period Imbalance Volume (MWh) times the Imbalance Period Price. It is available for all the Participants and is run at half hourly intervals every day for the previous Imbalance Settlement Period.

ISEM Report Reference: BM-094
Data Source: Balancing Market Runs
Periodicity: Daily
Report Name: PUB_30MinImbalCost
File Names: PUB_30MinImbalCost_YYYYMMDDHHMM.xml
Report Title: Balancing and Imbalance Market Cost View Report
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: 30 minutes
Frequency: Half hourly intervals every day
Report Format: XML

Field Name	Format	Description
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End Time
IMBALANCE VOLUME	NUMBER(8,3)	Quantity of Net Imbalance volume (QNIV) for the Imbalance Settlement Period
IMBALANCE PRICE	NUMBER(8,2)	Calculated Average time-weighted imbalance price (PIMB) for the Imbalance Settlement Period
IMBALANCE COST	NUMBER(8,2)	Imbalance Cost (Euro) = Settlement Period Imbalance Volume (MWh) times the Imbalance Period Price (Euro/MWh)

Table 67: Balance and Imbalance Market Cost View Field Description

10.3.10 BM-096: DISPATCH QUANTITY

ISEM Report Reference: BM-096
Data Source: ISO
Periodicity: Daily
Report Name: PUB_DlyDispatchQuantity
File Names: PUB_DlyDispatchQuantity.xml
Report Title: Dispatch Quantity

Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Previous Settlement Day
Frequency: Daily
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Date
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code): (YYYY-MM-DD)
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time of Imbalance Settlement Period
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Time of Imbalance Settlement Period
RESOURCE NAME	VARCHAR2(32)	Resource Name
DISPATCH QUANTITY	NUMBER(8,3)	Dispatch Quantity (MW)

Table 68: Dispatch Quantity

10.3.11 ~~BM-098: AGGREGATED CONTRACTED QUANTITIES FOR GENERATION REPORT~~

This report contains the aggregated contracted quantities as provided by the SEMOpX for each Imbalance Settlement Period for which the Balancing Market Gate Window is still open in the Trading Day, aggregated across all Generator Units and Demand Side Units.

ISEM Report Reference: BM-098
Data Source: SEMOpX
Periodicity: Daily
Report Name: PUB_HrlyAggContractedQtyGen
File Names: PUB_HrlyAggContractedQtyGen_YYYYMMDDHHMM.xml
Report Title: Aggregated Contracted Quantities for Generation Report
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day
Frequency: Once every Hour
Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code):
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
MW	NUMBER(11,3)	Aggregated Contracted Quantities for Generation Units and Demand Side Units only

Table 69: Aggregated Contracted Quantities for Generation Report

10.3.12 ~~BM-099: AGGREGATED CONTRACTED QUANTITIES FOR DEMAND REPORT~~

This report contains the aggregated contracted quantities submitted by the SEMOpX for Imbalance Settlement for each Imbalance Settlement Period for which the Balancing Market Gate Window is still open in the Trading Day, aggregated across all Supplier Units.

ISEM Report Reference:	<i>BM-000</i>
Data Source:	<i>SEMOpX</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_AggContractedQtyDemand</i>
File Names:	<i>PUB_AggContractedQtyDemand_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Aggregated Contracted Quantities for Demand Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Imbalance Settlement Period</i>
Time Span:	<i>All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day</i>
Frequency:	<i>Every Hour</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
MW	NUMBER(11,3)	Aggregated Contracted Quantities for Supplier Units

Table 70: Aggregated Contracted Quantities for Demand Report

10.3.13 — BM-100: AGGREGATED CONTRACTED QUANTITIES FOR WIND REPORT

This report contains the aggregated contracted quantities submitted by the SEMOpX for Imbalance Settlement for each Imbalance Settlement Period for which the Balancing Market Gate Window is still open in the Trading Day, aggregated across all Wind Units.

ISEM Report Reference:	<i>BM-100</i>
Data Source:	<i>SEMOpX</i>
Periodicity:	<i>Daily</i>
Report Name:	<i>PUB_HrlyAggWindFest</i>
File Names:	<i>PUB_HrlyAggWindFest_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Aggregated Contracted Quantities for Wind Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Imbalance Settlement Period</i>
Time Span:	<i>All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day</i>
Frequency:	<i>Hourly</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code).
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time

Field-Name	Format	Description
MW	NUMBER(11,3)	Aggregated Contracted Quantities for Wind Units

Table 71: Aggregated Contracted Quantities for Wind Report

10.3.14 BM-101: AVERAGE OUTFURN AVAILABILITY

ISEM Report Reference: BM-101
Data Source: ISO
Periodicity: Daily
Report Name: PUB_AvgOutturnAvail
File Names: PUB_AvgOutturnAvail.xml
Report Title: Average Outturn Availability
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Calendar Day—1
Frequency: Daily
Report Format: XML

Field-Name	Format	Description
TRADE-DATE	DATE (YYYY-MM-DD)	Trading Day
DELIVERY-DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as “Day” in the Code). (YYYY-MM-DD)
START-TIME	TIME(YYYY-MM-DDTH24:MI)	Start Time of Imbalance Settlement Period
END-TIME	TIME(YYYY-MM-DDTH24:MI)	End Time of Imbalance Settlement Period
PARTICIPANT-NAME	VARCHAR2(12)	Participant name
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).
AVG-OUTTURN-AVAIL	NUMBER(8,3)	Outturn Availability

Table 72: Average Outturn Availability Report

10.3.15 BM-159: OUTFURN AVAILABILITY

ISEM Report Reference: BM-159
Data Source: ISO
Periodicity: Hourly
Report Name: PUB_D-OutturnAvail
File Names: PUB_D-OutturnAvail_YYYYMMDDHHMM.xml
Report Title: Outturn Availability
Audience: General Public
Resolution: Point in time
Time Span: Whole hour preceding the time at which the report is produced
Frequency: Hourly
Report Format: XML

Field-Name	Format	Description
TRADE-DATE	DATE (YYYY-MM-DD)	Trade Date
DELIVERY-DATE	DATE (YYYY-MM-DD)	Delivery Date
ISSUE-TIME	TIME(YYYY-MM-DDTH24:MI)	Issue time for the availability declaration
PARTICIPANT-NAME	VARCHAR2(12)	Participant Name
RESOURCE-NAME	VARCHAR2(32)	Resource Name
OUTTURN-AVAILABILITY	NUMBER(8,3)	Maximum Availability (MW)
OUTTURN-MINIMUM-STABLE-GEN	NUMBER(8,3)	Minimum Stable Generation (MW)

Field Name	Format	Description
OUTTURN-MINIMUM OUTPUT	NUMBER(8,3)	Minimum Output (MW)

Table 73: Outturn Availability Report

10.3.16 — BM-160: HOURLY DISPATCH INSTRUCTIONS REPORT

This report is published on an hourly basis, containing all Accepted Dispatch Instructions (including Wind Units) where the Issue Time is in the previous hour.

I-SEM Report Reference:	<i>BM_160</i>
Data Source	<i>TSO</i>
Periodicity:	<i>Hourly</i>
Report Name:	<i>PUB_D_HourlyDIRpt</i>
File Names:	<i>PUB_D_HourlyDIRpt_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Hourly Dispatch Instructions Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Point in time</i>
Time Span:	<i>Whole hour preceding the time at which the report is produced</i>
Frequency:	<i>Hourly</i>
Report Format:	<i>XML</i>

Field Name	Format	Description
INSTRUCTION-TIME STAMP	TIME(YYYY-MM-DDTH24:MI)	Instruction Time Stamp
INSTRUCTION-END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the instruction
PARTICIPANT NAME	VARCHAR2(12)	Participant Name
RESOURCE NAME	VARCHAR2(32)	Resource Name
DISPATCH INSTRUCTION	NUMBER(8,3)	Dispatch Instruction
INSTRUCTION CODE	VARCHAR2(4)	Instruction Code
INSTRUCTION COMBINATION CODE	VARCHAR2(4)	Instruction Combination Code
INSTRUCTION ISSUE TIME	TIME(YYYY-MM-DDTH24:MI)	Instruction Issue Time
INSTRUCTION UNTIL TIME	TIME(YYYY-MM-DDTH24:MI)	Instruction until time
RAMP UP RATE	NUMBER(8,3)	Ramp Up Rate
RAMP DOWN RATE	NUMBER(8,3)	Ramp Down Rate

Table 74: Hourly Dispatch Instructions Report

10.3.17 — BM-161: HOURLY SO INTERCONNECTOR TRADES REPORT

This report is available to all the Market Participants and general public. It is produced each hour for the previous hour, containing all SO Interconnector Trades for which the start time is less than or equal to the end of the hour for which the report is being published, or where the end time is greater than or equal to the start of the hour for which the report is being produced. The report includes interconnector import/export prices and trade MW quantities. The report will not be published when there are no applicable SO Interconnector Trades for the previous hour.

I-SEM Report Reference:	<i>BM_161</i>
Data Source	<i>TSO</i>
Periodicity:	<i>Hourly</i>
Report Name:	<i>PUB_D_HourlySOTrades</i>
File Names:	<i>PUB_D_HourlySOTrades_YYYYMMDDHHMM.xml</i>
Report Title:	<i>Hourly SO Interconnector Trades Report</i>
Audience:	<i>General Public</i>
Resolution:	<i>Individual SO Interconnector Trades</i>

Time Span: Whole hour preceding the time at which the report is produced

Frequency: Hourly

Report Format: XML

Field Name	Format	Description
TRADE DATE	DATE(YYYY-MM-DD)	Trading Date
RESOURCE NAME	VARCHAR2(32)	Resource Name
DELIVERY DATE	DATE(YYYY-MM-DD)	Delivery Date
START TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period Start time
END TIME	TIME(YYYY-MM-DDTH24:MI)	Imbalance Settlement Period End time
SO INTERCON IMP PRICE	NUMBER(8,2)	Import Price for SO Trades
SO INTERCON IMP QUANTITY	NUMBER(8,3)	Import Quantity for SO Trades
SO INTERCON EXP PRICE	NUMBER(8,2)	Export Price for SO Trades
SO INTERCON EXP QUANTITY	NUMBER(8,3)	Export Quantity for SO Trades

Table 75: Hourly SO Interconnector Trades Report

~~10.3.18 — BM-102: UNIT UNDER TEST~~

This report contains details of the Units Under Test for the following Trading Day-

I-SEM Report Reference: BM-102

Data Source: System

Report Name: PUB_DailyUnitUnderTest

File Names: PUB_DailyUnitUnderTest.xml

Report Title: Unit Under Test Report

Audience: General Public

Resolution: Per Physical Notification segment that is Under Test

Time Span: Trading Day + 1

Frequency: Daily

Report Format: XML

Field Name	Format	Description
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market
RESOURCE NAME	VARCHAR2(32)	Generation Unit Identification
TRADE DATE	DATE(YYYY-MM-DD)	Trading Day
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start time of the Under Test PN segment
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the Under Test PN segment

Table 76: Unit Under Test Report

~~10.3.19 — BM-103: ENERGY MARKET FINANCIAL PUBLICATION—INDICATIVE~~

The Energy Market Financial Publication, Energy Market Information Publication, Capacity Market Financial Publication, Capacity Market Information Publication, Metered Generation Information Publication, DOG/PUG/TOLOG/TOLUG for Over/Under Generation, and Make Whole Payment will share the common set of fields given here. These reports are collectively referred to as "General Public Settlement Reports".

I-SEM Report Reference: BM-103

Data Source: CSB Settlement System

Periodicity: Daily

File Names: EF_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Time stamp>

Report Title: Energy Market Financial Publication – Indicative
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (EF)
MARKET_NAME	VARCHAR(6)	Market name (BALIMB)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR(6)	Type of run (INDIC, INIT)

Table 77: General Public Settlement Header Field Description

Field Name	Format	Description
VALUE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
DETERMINANT-NAME	VARCHAR(16)	Name of the determinant
RESOURCE-NAME	VARCHAR(32)	Name of the resource (if applicable)
DETERMINANT-UNIT	VARCHAR(8)	Units for the determinant (e.g. MW)
VALUE: AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP

Table 78: General Public Settlement Detail Field Description

10.3.20 — BM-104: ENERGY MARKET FINANCIAL PUBLICATION — INITIAL

Refer to section 6.7.11.9 Energy Market Financial Publication – Indicative

ISEM Report Reference: BM-104
Data Source: GSB Settlement System
Periodicity: Daily
File Names: EF_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Energy Market Financial Publication – Initial
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

10.3.21 — BM-105: CAPACITY PAYMENTS BY MARKET

The Capacity Payments by Market Report will report aggregated market level Capacity Payment amounts per Imbalance Settlement Period.

ISEM Report Reference: BM-105
Data Source: GSB Settlement System
Periodicity: Daily
File Names: CJ_GP_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Capacity Payments by Market

Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Daily
Frequency: Settlement Day
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for Report (CJ)
MARKET_NAME	VARCHAR2(6)	Market name (CRM)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT)

Table 79: Capacity Payments by Market Report Header Field Description

Field Name	Format	Description
CHARGE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
CHARGE: NAME	VARCHAR2(16)	Name of the determinant
JURISDICTION: UNIT	VARCHAR2(8)	Unit of Measure identifier
JURISDICTION: NAME	VARCHAR2(3)	ROI (Republic of Ireland) or NI (Northern Ireland) The field is left blank if Jurisdiction is not applicable for determinant.
CHARGE: AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP

Table 80: Capacity Payments by Market Report Detail Field Description

10.3.22 BM-106: CAPACITY PAYMENTS BY UNIT

The Capacity Payments by Unit Report will report on a unit level Capacity Payment amounts per Imbalance Settlement Period.

I-SEM Report Reference: BM-106
Data Source: GSB Settlement System
Periodicity: Daily
File Names: CU_GP_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Capacity Payments by Unit
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Daily
Frequency: Trading Period
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for Report (CU)
MARKET_NAME	VARCHAR2(6)	Market name (CRM)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT)

Table 81: Capacity Payments by Unit Report – Header Field Description

Field Name	Format	Description
RESOURCE NAME	VARCHAR2(32)	Name of the resource. Only populated if applicable.
CHARGE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
CHARGE NAME	VARCHAR2(16)	Name of the determinant
CHARGE AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP

Table 82: Capacity Payments by Unit Report – Detail Field Description

~~10.3.23 — BM-107: DAILY GENERATOR UNIT TECHNICAL CHARACTERISTIC DATA TRANSACTION REPORT~~

~~This report contains Spot Daily Outturn Availability, Minimum Output and Minimum Stable Generation for Generator Units and Demand Side Units, for the previous Trading Day.~~

ISEM Report Reference:	BM-107
Data Source:	Participant
Periodicity:	Daily
Report Name:	PUB_DlyGenUnitTechCharDataTrans
File Names:	PUB_DlyGenUnitTechCharDataTrans.xml
Report Title:	Daily Generator Unit Technical Characteristic Data Transaction Report
Audience:	General Public
Resolution:	Spot values per Generator Unit
Time Span:	Previous Trading Day (TD-1)
Frequency:	Daily
Report Format:	XML

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
PARTICIPANT_NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market.
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 – permitted values include: GU, DSU, TU, AU, EU, SU, IU, IRCU, CAU, IEU.
EFFECTIVE TIME	TIME(YYYY-MM-DDTH24:MI)	Effective time stamp
ISSUE TIME	TIME(YYYY-MM-DDTH24:MI)	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

Table 83: Daily Generator Unit Technical Characteristics Data Transaction Report

~~10.3.24 — BM-108: CREDIT ASSESSMENT PRICE~~

~~This report contains the Credit Assessment Price for the Undefined Exposure Period used in the calculation of Required Credit Cover for a Participant.~~

ISEM Report Reference:	BM-108
Audience:	General Public
Frequency:	Daily
Report Format:	Word/PDF

~~10.3.25 — BM-109: BILLING PERIOD UNDEFINED POTENTIAL EXPOSURE QUANTITY~~

~~This report contains the Billing Period Undefined Potential Exposure Quantity for a Participant in respect of its Supplier Units, in the Historical Assessment to be applied the Undefined Exposure Period.~~

~~ISEM Report Reference: BM-109
Audience: General Public
Frequency: Daily, post Trading Day or Settlement Day
Report Format: Word/PDF~~

~~10.3.26 — BM-110: TRADING PAYMENTS AND CHARGES~~

~~This report outlines the Trading Payments and Charges accrued by a Participant within a Trading Day.~~

~~ISEM Report Reference: BM-110
Audience: General Public
Frequency: Daily, post Trading Day or Settlement Day
Report Format: Word/PDF~~

~~10.3.27 — BM-111: CAPACITY QUANTITY SCALING FACTOR~~

~~This report contains the Capacity Quantity Scaling Factor in an Imbalance Settlement Period, which is used to adjust the Net Capacity Quantity to account for variations in Metered Demand for the calculation of a Capacity Market Unit's Obligated Capacity Quantity.~~

~~ISEM Report Reference: BM-111
Audience: General Public
Frequency: Daily, post Trading Day or Settlement Day
Report Format: Word/PDF~~

~~10.3.28 — BM-112: REQUIRED CAPACITY QUANTITY~~

~~This report contains the quantity for the Capacity Requirement most recently determined for a Capacity Year in accordance with the Capacity Market Code.~~

~~ISEM Report Reference: BM-112
Audience: General Public
Frequency: Daily, post Trading Day or Settlement Day
Report Format: Word/PDF~~

~~10.3.29 — BM-113: RESERVE ADJUSTMENT CAPACITY~~

~~This report contains the Reserve Adjustment Capacity, the quantity of any adjustments for reserve considered in the determination of the Capacity Requirement most recently determined for a Capacity Year in accordance with the Capacity Market Code.~~

~~ISEM Report Reference:~~ ~~BM 113~~
~~Audience:~~ ~~General Public~~
~~Frequency:~~ ~~Daily, post Trading Day or Settlement Day~~
~~Report Format:~~ ~~Word/PDF~~

~~10.3.30 BM-145: Energy Market Information Publication – Indicative~~

~~ISEM Report Reference:~~ ~~BM 145~~
~~Data Source:~~ ~~CSB Settlement System~~
~~Periodicity:~~ ~~Daily~~
~~File Names:~~ ~~EL_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>~~
~~Report Title:~~ ~~Energy Market Information Publication – Indicative~~
~~Audience:~~ ~~General Public~~
~~Resolution:~~ ~~Imbalance Settlement Period~~
~~Time Span:~~ ~~Market Volume and Settlement by Settlement Period~~
~~Frequency:~~ ~~Settlement Day~~
~~Report Format:~~ ~~XML~~

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (EI)
MARKET_NAME	VARCHAR(6)	Market name (BALIMB)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR(5)	Type of run (INDIC, INIT)

Table 84: Energy Market Information Publication Header Field Description

Field Name	Format	Description
VALUE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
VALUE: DATE	DATE (YYYY-MM-DD)	Date. Only present if applicable.
DETERMINANT: NAME	VARCHAR(16)	Name of the determinant
RESOURCE: NAME	VARCHAR(32)	Name of the resource (if applicable)
DETERMINANT: UNIT	VARCHAR(8)	Units for the determinant (e.g. MW)
VALUE: AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP
VALUE: ORDER	NUMBER(2)	Number of the order (may be negative). Only populated for determinants which are order-specific.
VALUE: BAND	NUMBER(2)	Number of the Price Quantity Pair for an Imbalance Settlement Period. Only present if applicable.

Table 85: Energy Market Information Publication Detail Field Description

~~10.3.31 BM-146: Energy Market Information Publication – Initial~~

~~Refer to section 10.3.30 BM-145: Energy Market Information Publication – Indicative~~

~~ISEM Report Reference:~~ ~~BM-146~~
~~Data Source:~~ ~~CSB Settlement System~~
~~Periodicity:~~ ~~Daily~~
~~File Names:~~ ~~EL_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>~~
~~Report Title:~~ ~~Energy Market Information Publication – Initial~~
~~Audience:~~ ~~General Public~~

Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

10.3.32 ~~BM 147: CAPACITY MARKET INFORMATION PUBLICATION~~ INDICATIVE

ISEM Report Reference: BM 147
Data Source: GSB Settlement System
Periodicity: Daily
File Names: CI_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Capacity Market Information Publication – Indicative
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (CI)
MARKET_NAME	VARCHAR(6)	Market name (CRM)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR(5)	Type of run (INDIC, INIT)

Table 86: Capacity Market Information Publication Header Field Description

Field Name	Format	Description
VALUE: DATE	DATE (YYYY-MM-DD)	Date for this determinant and resource
DETERMINANT: NAME	VARCHAR(16)	Name of the determinant
RESOURCE: NAME	VARCHAR(32)	Name of the resource (if applicable)
DETERMINANT: UNIT	VARCHAR(8)	Units for the determinant (e.g. MW)
VALUE: AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP
VALUE: RO TRADE	NUMBER(20)	RO trade. Only present if applicable.

Table 87: Capacity Market Information Publication Detail Field Description

10.3.33 ~~BM 148: Capacity Market Information Publication~~ – Initial

Refer to section 10.3.32 BM 147: Capacity Market Information Publication – Indicative

ISEM Report Reference: BM 148
Data Source: GSB Settlement System
Periodicity: Daily
File Names: CI_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Capacity Market Information Publication – Initial
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

10.3.34 — BM-149: Capacity Market Financial Publication — Indicative

ISEM Report Reference:	BM-149
Data Source	CSB Settlement System
Periodicity:	Daily
File Names:	CF_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Time stamp>
Report Title:	Capacity Market Financial Publication — Indicative
Audience:	General Public
Resolution:	Imbalance Settlement Period
Time Span:	Market Volume and Settlement by Settlement Period
Frequency:	Settlement Day
Report Format:	XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (CF)
MARKET_NAME	VARCHAR2(6)	Market name (CRM)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT)

Table 88: Capacity Market Financial Publication Header Field Description

Field Name	Format	Description
VALUE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
DETERMINANT: NAME	VARCHAR2(16)	Name of the determinant
RESOURCE: NAME	VARCHAR2(32)	Name of the resource (if applicable)
DETERMINANT: UNIT	VARCHAR2(8)	Units for the determinant (e.g. MW)
VALUE: AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP

Table 89: Capacity Market Financial Publication Detail Field Description

10.3.35 — BM-150: Capacity Market Financial Publication — Initial

Refer to section 10.3.34 BM-149: Capacity Market Financial Publication — Indicative

ISEM Report Reference:	BM-150
Data Source	CSB Settlement System
Periodicity:	Daily
File Names:	CF_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Times tamp>
Report Title:	Capacity Market Financial Publication — Initial
Audience:	General Public
Resolution:	Imbalance Settlement Period
Time Span:	Market Volume and Settlement by Settlement Period
Frequency:	Settlement Day
Report Format:	XML

10.3.36 — BM-151: Metered Generation Information Publication — Indicative

ISON-SEM Report Reference: BM-151
Data Source: CSB Settlement System
Periodicity: Daily
File Names: MI_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Metered Generation Information Publication – Indicative
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (MI)
MARKET_NAME	VARCHAR(6)	Market name (BALIMB)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR(5)	Type of run (INDIC, INIT)

Table 90: Metered Generation Information Publication –Header Field Description

Field Name	Format	Description
VALUE: DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource
DETERMINANT:NAME	VARCHAR(16)	Name of the determinant
RESOURCE:NAME	VARCHAR(32)	Name of the resource (if applicable)
DETERMINANT: UNIT	VARCHAR(8)	Units for the determinant (e.g. MW)
VALUE: QUANTITY	NUMBER(28,8)	Quantity of the determinant in the ISP

Table 91: Metered Generation Information Publication –Detail Field Description

10.3.37 ~~BM-152: Metered Generation Information Publication – Initial~~

Refer to section 10.3.36 BM-151: Metered Generation Information Publication – Indicative

ISON-SEM Report Reference: BM-152
Data Source: CSB Settlement System
Periodicity: Daily
File Names: MI_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>
Report Title: Metered Generation Information Publication – Initial
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Market Volume and Settlement by Settlement Period
Frequency: Settlement Day
Report Format: XML

10.3.38 ~~BM-153: Make Whole Payments~~

ISON-SEM Report Reference: BM-153
Data Source: CSB Settlement System
Periodicity: Weekly
File Names: MW_GP_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp>

Report Title: Make Whole Payment
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: Daily
Frequency: Settlement Day
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for Report (MW)
MARKET_NAME	VARCHAR2(6)	Market name (CRM)
SETTLEMENT_DATE	DATE (YYYY-MM-DD)	Calendar day of settlement
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT)

Table 92: Make Whole Payments Report Header Field Description

Field Name	Format	Description
RESOURCE_NAME	VARCHAR2(32)	Name of the resource. Only populated if applicable.
DETERMINANT_NAME	VARCHAR2(16)	Name of the determinant
JURISDICTION_NAME	VARCHAR2(3)	ROI (Republic of Ireland) or NI (Northern Ireland) The field is left blank if Jurisdiction is not applicable for determinant.
DETERMINANT_UNIT	VARCHAR2(8)	Units for the determinant (e.g. MW)
VALUE_AMOUNT	NUMBER(28,8)	Amount of the determinant in the ISP
VALUE_DATETIME	TIME(YYYY-MM-DDTH24:MI)	Date and time of the ISP for this determinant and resource

Table 93: Make Whole Payments Report Detail Field Description

10.3.39 BM-154: Cross Border Monthly Capacity Data

The content of the report is summarised as follows:

- Run Type (e.g. INIT, M4, M13)
- Total Capacity Sales (MPCSTOT)
- Total Capacity Purchases (MPCPTOT)
- For each Place of Establishment (e.g. NI, ROI, France):
 - Capacity Purchases for the Place of Establishment (MPCP)
 - Capacity Sales for the Place of Establishment (MPCS)
 - VAT Capacity sales proportion for the Place of Establishment (VATCS)
 - VAT Capacity purchases proportion for the Place of Establishment (VATCP)

I-SEM Report Reference: BM-154
Data Source: CSB Settlement System
Periodicity: Daily
File Names: XM_GP_ALL_<PublicationDay>_<PublicationDay>_<Market>_REPT_<Timestamp>
Report Title: Cross Border Capacity Data
Audience: General Public
Resolution: Billing Period
Time Span: Month
Frequency: Monthly
Report Format: XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for report (XM)
MARKET_NAME	VARCHAR2(6)	Market name (CRM)
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication

PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication
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Table 94: Cross Border Monthly Capacity Report Header Field Description

Field Name	Format	Description
BILL_PERIOD: RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT, M4, M13, AH)
BILL_PERIOD: BP_START_DATE	DATE (YYYY-MM-DD)	Billing Period Start Date
BILL_PERIOD: BP_END_DATE	DATE (YYYY-MM-DD)MI)	Billing Period End Date
DETERMINANT: MPCPTOT	NUMBER(28,8)	Value of total Capacity Purchases
DETERMINANT: MPCSTOT	NUMBER(28,8)	Value of total Capacity Sales

Table 95: Cross Border Monthly Capacity Report Summary Field Description

Field Name	Format	Description
BILL_PERIOD: RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT, M4, M13, AH)
BILL_PERIOD: BP_START_DATE	DATE (YYYY-MM-DD)	Billing Period Start Date
BILL_PERIOD: BP_END_DATE	DATE (YYYY-MM-DD)MI)	Billing Period End Date
PLACE_OF_ESTABLISHMENT_NAME	VARCHAR2(16)	Type of run (INDIC, INIT, M4, M13, AH)
DETERMINANT: NAME	VARCHAR2(16)	Name of Determinant (MPCS, MPCP, VATCS, VATCP)
DETERMINANT: AMOUNT	NUMBER(28,8)	Value of Determinant

Table 96: Cross Border Monthly Capacity Report Field Description

10.3.40 — BM-155: Cross Border Weekly Energy Data

The content of the report is summarised as follows:

- Run Type (e.g. INIT, M4, M13)
- Total Energy Sales (MPESTOT)
- Total Energy Purchases (MPEPTOT)
- For each Place of Establishment (e.g. NI, ROI, France):
 - Energy Purchases for the Place of Establishment (MPEP)
 - Energy Sales for the Place of Establishment (MPES)
 - VAT Energy sales proportion for the Place of Establishment (VATES)
 - VAT Energy purchases proportion for the Place of Establishment (VATEP)

I-SEM Report Reference:	BM-155
Data Source	CSB Settlement System
Periodicity:	Daily
File Names:	XW_GP_ALL_<PublicationDay>_<PublicationDay>_<Market>_REPT_<Timestamp>
Report Title:	Cross Border Energy Data
Audience:	General Public
Resolution:	Billing Period
Time Span:	Billing Period
Frequency:	Billing Period
Report Format:	XML

Field Name	Format	Description
REPORT_TYPE	VARCHAR2(2)	Identifier for report (XW)
MARKET_NAME	VARCHAR2(6)	Market name (BALIMB)
PUBLICATION_DATE	DATE (YYYY-MM-DD)	Calendar day for publication
PUBLICATION_TIMESTAMP	TIME(YYYY-MM-DDTH24:MI)	Timestamp of publication

Table 97: Cross Border Energy Data Report Header Field Description

Field Name	Format	Description
BILL_PERIOD: RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT, M4, M13, AH)
BILL_PERIOD: BP_START_DATE	DATE (YYYY-MM-DD)	Billing Period Start Date
BILL_PERIOD: BP_END_DATE	DATE (YYYY-MM-DD)MI)	Billing Period End Date
DETERMINANT: MPEPTOT	NUMBER(28,8)	Value of total Energy Purchases
DETERMINANT: MPESTOT	NUMBER(28,8)	Value of total Energy Sales

Table 98: Cross Border Energy Data Report Summary Field Description

Field Name	Format	Description
BILL_PERIOD: RUN_TYPE	VARCHAR2(5)	Type of run (INDIC, INIT, M4, M13, AH)

BILL_PERIOD:BP_START_DATE	DATE (YYYY-MM-DD)	Billing Period Start Date
BILL_PERIOD:BP_END_DATE	DATE (YYYY-MM-DD)MI	Billing Period End Date
PLACE_OF_ESTABLISHMENT NAME	VARCHAR2(16)	Type of run (INDIC, INIT, M4, M13, AH)
DETERMINANT: NAME	VARCHAR2(16)	Name of Determinant (MPES, MPEP, VATES, VATEP)
DETERMINANT: AMOUNT	NUMBER(28,8)	Value of Determinant

Table 99: Cross Border Energy Data Report Field Description

~~10.3.41 — BM-115: PROPOSED MARKET OPERATOR ISOLATED MARKET SYSTEM TESTING SCHEDULE~~

~~This report contains the proposed Market Operator Isolated Market System Testing Schedule.~~

~~ISEM Report Reference: BM-115
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.3.42 — BM-116: CALCULATIONS AND METHODOLOGY USED BY THE MARKET OPERATOR DURING ADMINISTERED SETTLEMENT~~

~~This report contains the calculations and methodology used by the Market Operator during Administered Settlement.~~

~~ISEM Report Reference: BM-116
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF~~

~~10.3.43 — BM-117: MARKET OPERATOR PERFORMANCE REPORT~~

~~This Report contains the performance report prepared by the Market Operator and provided to the Regulatory Authorities.~~

~~ISEM Report Reference: BM-117
Audience: General Public
Frequency: Monthly
Report Format: Word/PDF~~

~~10.3.44 — BM-130: QUARTERLY RENEWABLE DISPATCH DOWN (CONSTRAINT & CURTAILMENT)~~

~~This Report contains the Quarterly Renewable Dispatch Down (Constraint & Curtailment) data.~~

~~ISEM Report Reference: BM-130
Audience: General Public
Frequency: Quarterly
Report Format: Word/PDF~~

~~10.3.45 — BM-131: ANNUAL RENEWABLE DISPATCH DOWN (CONSTRAINT & CURTAILMENT)~~

~~This Report contains the Annual Renewable Dispatch Down (Constraint & Curtailment) data.~~

~~I-SEM Report Reference: BM-131
Audience: General Public
Frequency: Yearly
Report Format: Word/PDF~~

~~10.3.46 — BM-132: QUARTERLY CONSTRAINT COST OUTTURN~~

~~This Report contains the Quarterly Constraint Cost Outturn data.~~

~~I-SEM Report Reference: BM-132
Audience: General Public
Frequency: Quarterly
Report Format: Word/PDF~~

~~10.3.47 — BM-137: MONTHLY CONSTRAINT UPDATE~~

~~This Report contains the Monthly Constraint data.~~

~~I-SEM Report Reference: BM-137
Audience: General Public
Frequency: Monthly
Report Format: Word/PDF~~

~~10.3.48 — BM-138: WEEKLY CONSTRAINT UPDATE~~

~~This Report contains the Weekly Constraint Update data.~~

~~I-SEM Report Reference: BM-138
Audience: General Public
Frequency: Weekly
Report Format: Word/PDF~~

~~10.3.49 — BM-139: AD-HOC CONSTRAINT UPDATE~~

~~This Report contains the Ad-Hoc Constraint Update data.~~

~~I-SEM Report Reference: BM-139
Audience: General Public
Frequency: Ad-Hoc
Report Format: Word/PDF~~

10.3.49.1 — BM 162: LTS OPERATIONAL SCHEDULE REPORT

This report contains the LTS Operational Schedules all Generator Units and Demand Side Units.

I-SEM Report Reference:	BM 162
Data Source	TSO
Periodicity:	Daily
Report Name:	PUB_LTSDOperationalSchedule
File Names:	PUB_LTSDOperationalSchedule.xml
Report Title:	LTS Operational Schedule Report
Audience:	General Public
Resolution:	Half-Hourly
Time Span:	Optimisation Time Horizon of all LTS runs
Frequency:	Automatically, after approval of each LTS Operational Schedule Run
Format:	XML

Field Name	Format	Description
PUBLISH TIME	TIME(YYYY-MM-DDTH24:MI)	Timestamp corresponding to the approved LTS run
PARTICIPANT NAME	VARCHAR2(12)	Participant Name
RESOURCE NAME	VARCHAR2(32)	Name of Generating Unit or Demand Side Unit
RESOURCE TYPE	VARCHAR2(4)	Type of Resource
TRADE DATE	DATE(YYYY-MM-DD)	Trading Day
DELIVERY DATE	DATE(YYYY-MM-DD)	Calendar Day (referred to as “Day” in the Code)
START TIME	TIME(YYYY-MM-DDTH24:MI)	Start Date/Time
END TIME	TIME(YYYY-MM-DDTH24:MI)	End Date/Time
SCHEDULED QUANTITY	NUMBER(8,2)	Operational Schedule Quantity (MW)
RUN TYPE	CHAR(4)	LTSD

Table 100: LTS Operational Schedule Report

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xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T13:00:00" RunType="LTSD" ScheduledQuantity="152.348" EndTime="2017-11-13T17:00:00" StartTime="2017-11-13T16:30:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="1"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T19:00:00" RunType="LTSD" ScheduledQuantity="178.09" EndTime="2017-11-13T23:00:00" StartTime="2017-11-13T22:30:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="2"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T19:00:00" RunType="LTSD" ScheduledQuantity="246.141" EndTime="2017-11-13T22:30:00" StartTime="2017-11-13T22:00:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="3"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T19:00:00" RunType="LTSD" ScheduledQuantity="246.141" EndTime="2017-11-13T22:00:00" StartTime="2017-11-13T21:30:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="4"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T13:00:00" RunType="LTSD" ScheduledQuantity="102.045" EndTime="2017-11-13T17:30:00" StartTime="2017-11-13T17:00:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="5"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T13:00:00" RunType="LTSD" ScheduledQuantity="32.84" EndTime="2017-11-13T16:30:00" StartTime="2017-11-13T16:00:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="10" ResourceName="L_NIMOYLE" ParticipantName="LA_NIMOYLE" ROW="6"/>

```

Figure 6: BM 162: LTS Operational Schedule Report – Sample

10.3.49.2 — BM 163: RTIC OPERATIONAL SCHEDULE REPORT

The report contains the RTIC Operational Schedules for all Generator Units and Demand Side Units.

I-SEM Report Reference:	BM 163
Data Source	TSO
Periodicity:	Daily
Report Name:	PUB_RTICOperationalSchedule
File Names:	PUB_RTICOperationalSchedule.xml
Report Title:	RTIC Operational Schedule Report
Audience:	General Public
Resolution:	15 mins
Time Span:	Optimisation Time Horizon for all RTC Operational Schedule Runs
Frequency:	Automatically, after approval of each RTC Operational Schedule
Format:	XML

Field Name	Format	Description
PUBLISH TIME	TIME(YYYY-MM-DDTH24:MI)	Timestamp corresponding to the approved RTC run
PARTICIPANT NAME	VARCHAR2(12)	The PT Identifier, which represents the name of Market Participant, as registered in the Balancing Market
RESOURCE NAME	VARCHAR2(32)	Name of Generating Unit or Demand side Unit
RESOURCE TYPE	VARCHAR2(4)	Type of Resource
TRADE DATE	DATE(YYYY-MM-DD)	Trading Day

Field Name	Format	Description
DELIVERY DATE	DATE (YYYY-MM-DD)	Calendar Day (referred to as "Day" in the Code)
START TIME	TIME (YYYY-MM-DDTH24:M)	Start Date/Time
END TIME	TIME (YYYY-MM-DDTH24:M)	End Date/Time
SCHEDULED QUANTITY	NUMBER(8,3)	Operational Schedule Quantity (MW)
RUN TYPE	CHAR(3)	RTC

Table 101: BM-163: RTC Operational Schedule Report

```
<?xml version="1.0"?>
<OutboundData PublicationTime="2017-11-20T10:11:00" DataType="TRADE" Date="2017-11-19" DatasetType="DAILY" DatasetName="PUB_RTCOperationalSchedule" xsi:base="http://www.w3.org/2001/XMLSchema-instance">
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-18T23:15:00" StartTime="2017-11-18T23:00:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="1"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-18T23:30:00" StartTime="2017-11-18T23:15:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="2"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-18T23:45:00" StartTime="2017-11-18T23:30:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="3"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-19T00:00:00" StartTime="2017-11-18T23:45:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="4"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-19T00:15:00" StartTime="2017-11-19T00:00:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="5"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-19T00:30:00" StartTime="2017-11-19T00:15:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="6"/>
  <PUB_RTCOperationalSchedule PublicationTime="2017-11-18T21:05:00" RunType="RTC" ScheduleQuantity="30.164" EndTime="2017-11-19T00:45:00" StartTime="2017-11-19T00:30:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="TA_NIMOVLE" ParticipantName="TA_NIMOVLE" RQW="7"/>
</OutboundData>
```

Figure 7: BM-163: RTC Operational Schedule Report – Sample

10.4 BALANCING MARKET METHODOLOGIES AND PROCESSES

10.4.1 BM-129: AD-HOC CONSTRAINT UPDATE

This report contains the interim methodology used to calculate the cross-zonal capacity.

I-SEM Report Reference:	BM-129
Audience:	General Public
Frequency:	Ad-Hoc
Report Format:	Word/PDF

10.4.2 BM-136: BALANCING MARKET PRINCIPLES STATEMENT

This is the Balancing Market Principles Statement.

I-SEM Report Reference:	BM-136
Audience:	General Public
Frequency:	Ad-Hoc
Report Format:	Word/PDF

10.4.3 BM-146: DETERMINATION OF SCHEDULING AND DISPATCH POLICY PARAMETERS

This is the Determination of Scheduling and Dispatch Policy Parameters report.

I-SEM Report Reference:	BM-146
Audience:	General Public
Frequency:	Ad-Hoc
Report Format:	Word/PDF

10.4.4 BM-147: SYSTEM OPERATOR AND NON-MARGINAL FLAGGING

~~This is the System Operator and Non-Marginal Flagging report.~~

~~ISONSEM Report Reference: BM-147~~
~~Audience: General Public~~
~~Frequency: Ad-Hoc~~
~~Report Format: Word/PDF~~

~~10.4.5 BM-140: DEMAND FORECASTING~~

~~This report describes the operational process for Demand Forecasting.~~

~~ISONSEM Report Reference: BM-140~~
~~Audience: General Public~~
~~Frequency: Ad-Hoc~~
~~Report Format: Word/PDF~~

~~10.4.6 BM-141: SCHEDULING~~

~~This report describes the operational process for Scheduling.~~

~~ISONSEM Report Reference: BM-141~~
~~Audience: General Public~~
~~Frequency: Ad-Hoc~~
~~Report Format: Word/PDF~~

~~10.4.7 BM-142: DISPATCH~~

~~This report describes the operational process for Dispatch~~

~~ISONSEM Report Reference: BM-142~~
~~Audience: General Public~~
~~Frequency: Ad-Hoc~~
~~Report Format: Word/PDF~~

~~10.4.8 BM-143: CROSS-ZONAL ACTIONS~~

~~This report describes the operational process for Cross-Zonal Actions.~~

~~ISONSEM Report Reference: BM-143~~
~~Audience: General Public~~
~~Frequency: Ad-Hoc~~
~~Report Format: Word/PDF~~

10.4.9 BM-144: WIND FARM CONTROLLABILITY CATEGORISATION

This report describes the operational process for Wind Farm Controllability Categorisation.

<i>ISONEMOpx Report Reference:</i>	<i>BM-144</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad-Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.5 BALANCING MARKET OPERATOR PERFORMANCE

10.5.1 BM-133: ANNUAL ALL-ISLAND TRANSMISSION SYSTEM PERFORMANCE REPORT

This is the Annual All-Island Transmission System Performance Report.

<i>ISONEMOpx Report Reference:</i>	<i>BM-133</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Yearly</i>
<i>Report Format:</i>	<i>Word/PDF</i>

10.5.2 BM-134: SCHEDULING AND DISPATCH POLICY PARAMETER PERFORMANCE REPORT

This is the Scheduling and Dispatch Policy Parameter Performance Report.

<i>ISONEMOpx Report Reference:</i>	<i>BM-134</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Yearly</i>
<i>Report Format:</i>	<i>Word/PDF</i>


10.5.3 BM-135: ANNUAL SCHEDULING AND DISPATCH PROCESS AUDIT REPORT

This is the Annual Scheduling and Dispatch Process Audit Report.


<i>ISONEMOpx Report Reference:</i>	<i>BM-135</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Yearly</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7 ~~APPENDIX AB: EX-ANTE (SEMOPX) MARKET PUBLICATION~~

~~DETAILS~~SEMOPX WEBSITE API SPECIFICATION



SEMOp~~x~~ Website API
Specification.pdf



SEMOp~~x~~-Website-Re
port-API.pdf

Field Code Changed

Field Code Changed