

SEMO Data Publication Guide

ISSUE 3.2

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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
1.3	09 February 2018	I-SEM Programme	Incremental release of I-SEM Data Publication Guide Cross-Reference: Level 2 Milestone # 234a
2.0	28 March 2018	I-SEM Programme	Incremental release of I-SEM Data Publication Guide Cross-Reference: Level 2 Milestone # 234b
3.0	14 December 2018	SEMO	Updates to align branding for SEMO only Minor edits for website navigation, website API Updates to align with I-SEM Technical Specification, Volume C, Balancing Market, Releases 9.0 and 9.1
3.1	28 February 2020	SEMO	Minor updates to section 8.3.1 (Settlement Calendar) to include additional MARKET type FMOC.
3.2	16 October 2020	SEMO	Minor updates to BM-145 the Energy Market Information report changing the VALUE: ORDER from NUMBER(2) to STRING(25)

Distribution List

Name
General Public

1 DISCLAIMER AND CONTENT INFORMATION

This document has been prepared to provide the general public with information about publicly available data from the Balancing market and Capacity market. The following disclaimers relate to the content of this document and any use by Market Participants or the general public of the information provided therein.

1. EirGrid and SONI accept no responsibility for decisions made or actions taken by Participants as a result of the information presented in this document or associated documents. Furthermore, EirGrid and SONI do not indemnify any commercial or organisational decisions made by Participants in relation to the information herein.
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 and Capacity market.
3. Further changes to the data or access mechanisms presented in this document may change as a result of the ongoing work to update the public website and/or changes to the market design through the market modifications process. As such, EirGrid and SONI will 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 I-SEM 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),

2.2 STRUCTURE OF THE SEMO 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 SEMO Data Publication Guide.</i>	Issue 3 contains the complete data for this topic.
2	Introduction and Background <i>Sets out the scope of the SEMO Data Publication Guide and describes the structure of the document.</i>	Issue 3 contains the complete data for this topic.
3	Data Publication Types <i>Provides a definition of the data publication report types and how they are organised on the SEMO website.</i>	Issue 3 contains the complete data for this topic.
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 website.</i>	Issue 3 contains the complete data for this topic.
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>	Issue 3 contains the complete data for this topic.
6	Balancing Market Publications <i>Provides a list of the data publications associated with the Balancing Market).</i>	Issue 3 contains the complete data for this topic.

Section #	Section Name	Content included in this Issue
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>	Issue 3 contains the complete data for this topic.
App B	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>	Issue 3 contains the complete data for this topic.
App C	SEMO Website API Specification <i>Provides the technical specification for accessing and using the SEMO public website API.</i>	Issue 3 contains the complete data for this topic.

Table 1: Structure of the SEMO 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 and SEMO Capacity Market evolve. If there is information not yet available for publication, but known to the Market Operators and/or TSOs, it will be highlighted in this document using the format shown below.

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

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 SEMO website.

Many different data publications types will be available for the Balancing Market 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 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 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.
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 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 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 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 website. Currently, the following methods are available.

Method	Details
Type 2 (browser-based) retrieval	<p><i>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.</i></p> <p><i>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.</i></p>
Type 3 (API-based) retrieval	<p><i>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.</i></p> <p><i>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.</i></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 website is shown below.

Conventions Used in this Section

Convention	Description
“SEMO Home Page”	The starting location/page when navigating to http://sem-o.com
The “>” separator	Indicates a progression from one page to another via a hyperlink. E.g. SEMO Home Page > Market Data > Static Reports describes the linking from the SEMO Home Page to the SEMO Static Reports page.
Any reference made in “quotes”	Refers to a specific section of a webpage. E.g. “Market Messages” is a section of the SEMO Home Page.

For the SEMO Website:

Publication Type	Location
Market Date: Static Reports	SEMO Home Page > Market Data > Static Reports
Market Data: Dynamic Reports	SEMO Home Page > Market Data > Dynamic Rpeorts
Market Development <ul style="list-style-type: none"> - Rules - Modifications 	SEMO Home Page > Publications > Market Development <ul style="list-style-type: none"> > Market Rules > Modifications
Market Operator Performance	SEMO Home Page > Publications > General Publications
Market Methodologies and Processes	SEMO Home Page > Publications > General Publications
TSO Resonsibilities	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

4.3.2 TYPE 3 ACCESS MECHANISM

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

5 CAPACITY MARKET PUBLICATIONS

The data publications that will be available via the SEMO website for the Capacity Market can be organised into two categories: market development and market data. The definition for those 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)	<i>To be added later</i>	Word / PDF
CM-002	Effective Modifications not yet incorporated into the Capacity Market Code	<i>To be added later</i>	Word / PDF
CM-003	Modification Finalisation Date for a Capacity Auction	<i>To be added later</i>	Word / PDF
CM-004	Modification Proposal and associated status	<i>To be added later</i>	Word / PDF
CM-005	Regulatory Authority Notices	<i>To be added later</i>	Word / PDF
CM-006	Quarterly Report on status of Modification Proposals	<i>To be added later</i>	Word / PDF
CM-007	Decision on Modification Proposal	<i>To be added later</i>	Word / PDF
CM-008	Modification Proposal Form	<i>To be added later</i>	Word / PDF
CM-009	Capacity Auction Monitor, terms of reference	<i>To be added later</i>	Word / PDF
CM-010	Capacity Auction Audit Report (non-confidential)	<i>To be added later</i>	Word / PDF
CM-011	Dispute Process Timetable	<i>To be added later</i>	Word / PDF
CM-012	Notice of Dispute Form	<i>To be added later</i>	Word / PDF
CM-013	Panel Chair, Panel Members and associated CVs	<i>To be added later</i>	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	<i>Registration</i>	Word / PDF
CM-015	Notice of making or lifting a Suspension Order	<i>Registration</i>	Word / PDF
CM-016	Termination Order	<i>Registration</i>	Word / PDF
CM-017	Accession Fees and Participation Fees	<i>Registration</i>	Word / PDF
CM-018	Qualification Charge, Fixed System Operator Charge and Variable System Operator Charge	<i>Registration</i>	Word / PDF

Table 6: Capacity Market: Registration Publications

5.2.2 CAPACITY QUALIFICATION

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

Table 7: Capacity Market: Capacity Qualification Publications

5.2.3 CAPACITY AUCTIONS

ID	Document	Category	Format
CM-023	Capacity Auction Timetable	<i>Capacity Auction</i>	Word / PDF
CM-024	Capacity Auction Information Pack	<i>Capacity Auction</i>	Word / PDF
CM-025	Cancellation of Capacity Auction	<i>Capacity Auction</i>	Word / PDF
CM-027	Capacity Auction Results	<i>Capacity Auction</i>	CSV
CM-028	Amended Capacity Auction Timetable following General System Failure	<i>Capacity Auction</i>	Word / PDF
CM-030	Capacity Auction Results – Constraints Data	<i>Capacity Auction</i>	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	<i>Market Parameters</i>	Word / PDF

Table 9: Capacity Market: Capacity Settlement Parameter Publications

6 BALANCING MARKET PUBLICATIONS

The data publications that will be available via the SEMO website for the Balancing Market 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 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.

6.1 BALANCING MARKET DEVELOPMENT

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

Table 10: Balancing Market: Market Development Publications

6.2 BALANCING MARKET DATA

6.2.1 REGISTRATION

ID	Document	Category	Format
BM-001	List of Registered Units	Registration	XML
BM-002	List of Registered Parties	Registration	XML
BM-003	Registered Capacity	Registration	XML
BM-004	Making or lifting of a Suspension Order	Registration	Doc / PDF
BM-005	Termination Order	Registration	Doc / PDF
BM-006	Accession Fees and Participation Fees	Registration	Doc / PDF
BM-093	Date of the next meeting of the Modifications Committee	Registration	Doc / PDF
BM-007	Supplier Suspension Delay Period	Registration	Doc / PDF
BM-008	Generator Suspension Delay Period	Registration	Doc / PDF

Table 11: Balancing Market: Registration Publications

6.2.2 FORECAST DATA

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

Table 12: Balancing Market: Forecast Publications

6.2.3 INPUTS, COMMERCIAL AND TECHNICAL OFFER DATA

ID	Document	Category	Format
BM-019	Annual CLAF	Inputs, Commercial and Technical Offer Data	XML
BM-020	Aggregated Final Physical Notifications	Inputs, Commercial and Technical Offer Data	XML
BM-021	Anonymised Inc/Dec Curves	Inputs, Commercial and Technical Offer Data	XML, CSV
BM-022	System Shortfall Imbalance Index and System Imbalance Flattening Factor	Inputs, Commercial and Technical Offer Data	XML
BM-023	Final Physical Notifications	Inputs, Commercial and Technical Offer Data	XML
BM-024	Generator Unit Under Test Notice	Inputs, Commercial and Technical Offer Data	Doc / PDF
BM-025	Imbalance Price Report (Imbalance Pricing Period)	Inputs, Commercial and Technical Offer Data	XML
BM-026	Imbalance Price Report (Imbalance Settlement Period)	Inputs, Commercial and Technical Offer Data	XML
BM-164	Imbalance Price Supporting Information Report	Inputs, Commercial and Technical Offer Data	XML
BM-027	Information Imbalance Price	Inputs, Commercial and Technical Offer Data	Doc / PDF
BM-028	Price Materiality Threshold	Inputs, Commercial and Technical Offer Data	Doc / PDF
BM-029	Settlement Recalculation Threshold	Inputs, Commercial and Technical Offer Data	Doc / PDF
BM-030	Imbalance Weighting Factor	Inputs, Commercial and Technical Offer Data	Doc / PDF

ID	Document	Category	Format
BM-031	De Minimis Acceptance Threshold	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-032	Technical Offer Data Accepted	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-033	Forecast Availability	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-034	Commercial Offer Data Accepted	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-036	Demand Control	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-037	Daily Dispatch Instructions (D+1) Reports	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-038	Daily Dispatch Instructions (D+4) Reports	<i>Inputs, Commercial and Technical Offer Data</i>	XML
BM-039	Tracked Difference Payment Shortfall Amount	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-040	Carbon Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-041	Natural Gas Fuel Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-042	Oil Fuel Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-043	Peaking Unit Theoretical Efficiency	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-044	Natural Gas Carbon Intensity Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-045	Oil Carbon Intensity Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-046	Aggregated Settlement Period	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-047	Annual Stop-Loss Limit Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-048	Billing Period Stop-Loss Limit Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-049	Total Capacity Awarded	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-050	Response Period Duration	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-051	Annual Capacity Charge Exchange Rate	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-052	Capacity Duration Exchange Rate	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-053	Capacity Charge Metered Quantity Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-054	Supplier Capacity Charge Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-055	Difference Payment Socialisation Multiplier	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-056	Market Price Cap	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-057	Market Price Floor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-058	Residual Meter Volume Interval Proportion	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-059	Residual Error Volume Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-060	Fixed Market Operator Charge (Supplier Unit)	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-061	Fixed Market Operator Charge (Generator Unit)	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-062	Variable Market Operator Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-063	Engineering Tolerance	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF

ID	Document	Category	Format
BM-064	MW Tolerance	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-065	System per Unit Regulation Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-066	DOG/PUG/TOLOG/TOLUG For Over//Under Generation	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-067	Transmission Loss Adjustment Factors	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-068	Distribution Loss Adjustment Factors	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-069	Combined Loss Adjustment Factors	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-070	Imperfections Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-071	Imperfections Charge Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-072	Testing Tariff	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-073	Schedule of Testing Tariffs	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-074	Fixed Credit Requirement, in respect of Generator and/or Supplier Units	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-075	Days in Historical Assessment Period	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-076	Analysis Percentile Parameter	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-077	Credit Cover Adjustment Trigger	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-078	Currency Cost Price	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-079	Currency Cost Charge Factor	<i>Inputs, Commercial and Technical Offer Data</i>	Doc / PDF
BM-080	Annual Maintenance Schedule - Transmission Line Outages	<i>Inputs, Commercial and Technical Offer Data</i>	XLS
BM-081	Two Year Maintenance Schedule - Generator Outages Schedule	<i>Inputs, Commercial and Technical Offer Data</i>	XLS
BM-082	Monthly Maintenance Schedule – Generator Unit outages	<i>Inputs, Commercial and Technical Offer Data</i>	XLS
BM-083	Monthly Maintenance Schedule – Transmission System line outages	<i>Inputs, Commercial and Technical Offer Data</i>	XLS
BM-084	Trading Day Exchange Rate between euro (€) and pounds sterling (£)	<i>Inputs, Commercial and Technical Offer Data</i>	XML

Table 13: Balancing Market: Inputs, Commercial, and Technical Offer Data Publications

6.2.4 SETTLEMENT DATA

ID	Document	Category	Format
BM-085	Settlement Calendar	<i>Settlement</i>	XML
BM-086	Daily Meter Data (Metered Generation by Unit)	<i>Settlement</i>	XML
BM-087	Initial Interconnector Flows and Residual Capacity	<i>Settlement</i>	XML
BM-088	Daily Transmission Outage Schedule	<i>Settlement</i>	XML
BM-089	System Frequency Report	<i>Settlement</i>	XML
BM-090	SO Interconnector Trades	<i>Settlement</i>	XML
BM-091	Unit Data	<i>Settlement</i>	XML
BM-095	Balancing and Imbalance Market Cost View	<i>Settlement</i>	XML
BM-096	Dispatch Quantity	<i>Settlement</i>	XML
BM-098	Aggregated Contracted Quantities for Generation	<i>Settlement</i>	XML
BM-099	Aggregated Contracted Quantities for Demand	<i>Settlement</i>	XML
BM-100	Aggregated Contracted Quantities for Wind	<i>Settlement</i>	XML
BM-101	Average Outturn Availability	<i>Settlement</i>	XML

ID	Document	Category	Format
BM159	Outturn Availability	<i>Settlement</i>	XML
BM-160	Hourly Dispatch Instructions Report	<i>Settlement</i>	XML
BM-161	Hourly SO Interconnector Trades Report	<i>Settlement</i>	XML
BM-102	Unit Under Test	<i>Settlement</i>	XML
BM-103	Energy Market Financial Publication – Indicative	<i>Settlement</i>	XML
BM-104	Energy Market Financial Publication –Initial	<i>Settlement</i>	XML
BM-105	Capacity Payments by Market	<i>Settlement</i>	XML
BM-106	Capacity Payments by Unit	<i>Settlement</i>	XML
BM-094	Metered Volumes by Jurisdiction	<i>Settlement</i>	XML
BM-107	Generator Unit Technical Characteristics Data Transaction	<i>Settlement</i>	XML
BM-108	Credit Assessment Price	<i>Settlement</i>	Doc / PDF
BM-109	Billing Period Undefined Potential Exposure Quantity	<i>Settlement</i>	Doc / PDF
BM-110	Trading Payments and Charges	<i>Settlement</i>	Doc / PDF
BM-111	Capacity Quantity Scaling Factor	<i>Settlement</i>	Doc / PDF
BM-112	Required Capacity Quantity	<i>Settlement</i>	Doc / PDF
BM-113	Reserve Adjustment Capacity	<i>Settlement</i>	Doc / PDF
BM-114	Net Capacity Quantity	<i>Settlement</i>	XML
BM-145	Energy Market Information Publication – Indicative	<i>Settlement</i>	XML
BM-146	Energy Market Information Publication – Initial	<i>Settlement</i>	XML
BM-147	Capacity Market Information Publication – Indicative	<i>Settlement</i>	XML
BM-148	Capacity Market Information Publication – Initial	<i>Settlement</i>	XML
BM-149	Capacity Market Financial Publication – Indicative	<i>Settlement</i>	XML
BM-150	Capacity Market Financial Publication – Initial	<i>Settlement</i>	XML
BM-151	Metered Generation Information Publication - Indicative	<i>Settlement</i>	XML
BM-152	Metered Generation Information Publication – Initial	<i>Settlement</i>	XML
BM-153	Make Whole Payments	<i>Settlement</i>	XML
BM-154	Cross Border Monthly Capacity Data	<i>Settlement</i>	XML
BM-155	Cross Border Weekly Energy Data	<i>Settlement</i>	XML

Table 14: Balancing Market: Settlement Data Publications

6.2.5 OTHER

ID	Document	Category	Format
BM-130	Quarterly Renewable Dispatch Down (Constraint & Curtailment)	<i>TSO Responsibilities</i>	Doc / PDF
BM-131	Annual Renewable Dispatch Down (Constraint & Curtailment)	<i>TSO Responsibilities</i>	Doc / PDF
BM-132	Quarterly Constraint Cost Outturn	<i>TSO Responsibilities</i>	Doc / PDF

Table 15: Balancing Market: Other Publications

6.2.6 OPERATIONAL REPORTS

ID	Document	Category	Format
BM-115	Proposed Market Operator Isolated Market System Testing Schedule	<i>TSO Responsibilities</i>	Doc / PDF
BM-137	Monthly Constraints Update	<i>TSO Responsibilities</i>	Doc / PDF
BM-138	Weekly Constraints Update	<i>TSO Responsibilities</i>	Doc / PDF
BM-139	Ad-hoc Constraints Update	<i>TSO Responsibilities</i>	Doc / PDF
BM-162	LTS Operational Schedule Report, Member Public	<i>TSO Responsibilities</i>	XML
BM-163	RTIC Operational Schedule Report, Member Public	<i>TSO Responsibilities</i>	XML

Table 16: Balancing Market: Operational Reports

6.3 MARKET METHODOLOGIES AND PROCESSES

6.3.1 METHODOLOGIES

ID	Document	Category	Format
BM-116	Calculations and methodology used by the Market Operator during Administered Settlement	<i>TSO Responsibilities</i>	Doc / PDF
BM-129	Interim Cross-Zonal Capacity Calculation	<i>TSO Responsibilities</i>	Doc / PDF
BM-136	Balancing Market Principles Statement	<i>TSO Responsibilities</i>	Doc / PDF
BM-157	Determination of Scheduling and Dispatch Policy Parameters	<i>TSO Responsibilities</i>	Doc / PDF
BM-158	System Operator and Non-Marginal Flagging	<i>TSO Responsibilities</i>	Doc / PDF

Table 17: Balancing Market: Methodologies

6.3.1 OPERATIONAL PROCESSES

ID	Document	Category	Format
BM-140	Demand Forecasting	<i>TSO Responsibilities</i>	Doc / PDF
BM-141	Scheduling	<i>TSO Responsibilities</i>	Doc / PDF
BM-142	Dispatch	<i>TSO Responsibilities</i>	Doc / PDF
BM-143	Cross-Zonal Actions	<i>TSO Responsibilities</i>	Doc / PDF
BM-144	Wind Farm Controllability Categorisation	<i>TSO Responsibilities</i>	Doc / PDF

Table 18: Balancing Market: Operational Processes

6.4 MARKET OPERATOR PERFORMANCE

6.4.1 MARKET OPERATOR PERFORMANCE

ID	Document	Category	Format
BM-117	Market Operator Performance Report	<i>MO Performance</i>	Doc / PDF
BM-133	Annual All-Island Transmission System Performance Report	<i>MO Performance</i>	Doc / PDF
BM-134	Scheduling and Dispatch Policy Parameter Performance Report	<i>MO Performance</i>	Doc / PDF
BM-135	Annual Scheduling and Dispatch Process Audit Report	<i>MO Performance</i>	Doc / PDF

Table 19: Balancing Market: Market Methodologies and Processes

7 APPENDIX A: CAPACITY MARKET PUBLICATION DETAILS

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

7.1 CAPACITY MARKET DEVELOPMENT

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

This document contains the Capacity Market Code including Agreed Procedures.

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

7.1.2 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.

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

7.1.3 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.

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

7.1.4 CM-004: MODIFICATION PROPOSAL AND ASSOCIATED STATUS

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

<i>I-SEM Report Reference:</i>	<i>CM-004</i>
<i>Audience:</i>	<i>General Public</i>

Frequency: As required.
Report Format: Word/PDF

7.1.5 CM-005: REGULATORY AUTHORITY NOTICES

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

I-SEM 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

7.1.6 CM-006: QUARTERLY REPORT ON STATUS OF MODIFICATION PROPOSALS

This report contains the collated status of modification proposals.

I-SEM 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

7.1.7 CM-007: DECISION ON MODIFICATION PROPOSAL

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

I-SEM 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

7.1.8 CM-008: MODIFICATION PROPOSAL FORM

This document contains the updated Modifications Proposal form.

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

7.1.9 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.

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

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

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

<i>I-SEM Report Reference:</i>	<i>CM-010</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>This report contains the non-confidential version of the Capacity Auction Audit Report.</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.1.11 CM-011: DISPUTE PROCESS TIMETABLE

This report contains details of the dispute process timetable.

<i>I-SEM Report Reference:</i>	<i>CM-011</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.1.12 CM-012: NOTICE OF DISPUTE FORM

This document contains the updated form of Notice of Dispute.

<i>I-SEM Report Reference:</i>	<i>CM-011</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required.</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.1.13 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.

<i>I-SEM Report Reference:</i>	<i>CM-013</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As updated and at least within two working days.</i>

Report Format:

Word/PDF

7.2 CAPACITY MARKET DATA

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

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

I-SEM 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

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

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

I-SEM 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

7.2.3 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.

I-SEM 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

7.2.4 CM-017: ACCESSION FEES AND PARTICIPATION FEES

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

I-SEM Report Reference:

CM-017

Audience:

General Public

Frequency:

As updated and at least within two Working Days of update

Report Format:

Word/PDF

7.2.5 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.

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

7.2.6 CM-019: MARKET QUALIFICATION REPORT

This report contains results from Capacity Market qualification processing.

I-SEM 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	<i>Text</i>	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 20: Market Qualification Report

7.2.7 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.

<i>I-SEM Report Reference:</i>	<i>CM-020</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.2.8 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.

<i>I-SEM Report Reference:</i>	<i>CM-021</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.2.9 CM-022: NOTICE OF TERMINATION OF AWARDED CAPACITY

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

<i>I-SEM Report Reference:</i>	<i>CM-022</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.2.10 CM-023: CAPACITY AUCTION TIMETABLE

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

<i>I-SEM Report Reference:</i>	<i>CM-023</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Within 2 Working Days of it being approved, determined, amended or revoked.
<i>Report Format:</i>	<i>Word/PDF</i>

7.2.11 CM-024: CAPACITY AUCTION INFORMATION PACK

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

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

7.2.12 CM-025: CANCELLATION OF CAPACITY AUCTION

This report contains notice of cancellation of Capacity Auction.

<i>I-SEM Report Reference:</i>	<i>CM-025</i>
<i>Audience:</i>	<i>General Public</i>
<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>	<i>Word/PDF</i>

7.2.13 CM-027: CAPACITY AUCTION RESULTS

This report contains results from each Capacity Auction.

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

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 21: Capacity Auction Results Main Section

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

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

<i>I-SEM Report Reference:</i>	<i>CM-028</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>As required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

7.2.15 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.

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

7.2.16 CM-030: CAPACITY AUCTION RESULTS – CONSTRAINTS DATA

This report contains constraints data from each Capacity Auction.

I-SEM 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 22: Capacity Auction Results Footer Section

8 APPENDIX B: BALANCING MARKET DETAILS

8.1 BALANCING MARKET DEVELOPMENT

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

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

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

8.1.2 BM-119: SCHEDULE AND DATES OF MODIFICATION PANEL MEETINGS

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

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

8.1.3 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>I-SEM Report Reference:</i>	<i>BM-120</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.1.4 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>I-SEM Report Reference:</i>	<i>BM-121</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.1.5 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>I-SEM 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>

8.1.6 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>I-SEM 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>

8.1.7 BM-124: 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>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>

8.1.8 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>I-SEM 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>

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

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

<i>I-SEM Report Reference:</i>	<i>BM-126</i>
<i>Audience:</i>	<i>General Public</i>

Frequency: Periodically as required
Report Format: Word/PDF

8.1.10 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

8.1.11 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

8.2 BALANCING MARKET DATA

8.2.1 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)
PARTY NAME	VARCHAR2(60)	Company name
ASSOCIATED PARTICIPANT ID	VARCHAR2(12)	Participant ID (PT_XXXXXX)
ASSOCIATED PARTICIPANT NAME	VARCHAR2(60)	Participant name

Field Name	Format	Description
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 23: List of Registered Units Report

8.2.2 BM-002: LIST OF REGISTERED PARTIES REPORT

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

<i>I-SEM Report Reference:</i>	<i>BM-002</i>
<i>Data Source</i>	<i>Registration</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_DailyRegisteredParties</i>
<i>File Names:</i>	<i>PUB_DailyRegisteredParties.xml</i>
<i>Report Title:</i>	<i>List of Registered Parties Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>n/a</i>
<i>Time Span:</i>	<i>Currently Active/Approved Parties, as registered at the time of publication</i>
<i>Frequency:</i>	<i>Daily, only when a new Party Registration is approved.</i>
<i>Report Format:</i>	<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 24: List of Registered Parties Report

8.2.3 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>I-SEM Report Reference:</i>	<i>BM-003</i>
<i>Periodicity:</i>	<i>Monthly</i>
<i>Report Name:</i>	<i>PUB_MnlyRegisteredCapacity</i>
<i>File Names:</i>	<i>PUB_MnlyRegisteredCapacity.xml</i>
<i>Report Title:</i>	<i>Registered Capacity Report</i>
<i>Audience:</i>	<i>General Public</i>

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 25: Registered Capacity Report

8.2.4 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

8.2.5 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

8.2.6 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

8.2.7 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

8.2.8 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

8.2.9 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_AnnualLoadFcst
File Names: PUB_AnnualLoadFcst.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 26: Annual Load Forecast Report

8.2.10 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.

I-SEM Report Reference: BM-010
Periodicity: Daily

Report Name: PUB_DailyLoadFcst
File Names: PUB_DailyLoadFcst_YYYYMMDDHHMM.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 27: Daily Load Forecast Summary Report

8.2.11 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.

I-SEM Report Reference: BM-011
Periodicity: Monthly
Report Name: PUB_MonthlyLoadFcst
File Names: PUB_MonthlyLoadFcst.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 28: Monthly Load Forecast and Assumptions Report

8.2.12 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: On_demand
Data Source: TSO (WEF)
Report Name: PUB_4DayRollWindUnitFcst
File Names: PUB_4DayRollWindUnitFcst_YYYYMMDDHHMM.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 29: Four Day Rolling Wind Unit Forecast Report

8.2.13 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: On_demand
Report Name: PUB_4DayAggRollWindUnitFcst
File Names: PUB_4DayAggRollWindUnitFcst_YYYYMMDDHHMM.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 30: Four Day Aggregated Rolling Wind Unit Forecast Report

8.2.14 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.

I-SEM Report Reference: BM-014
Data Source: Balancing Market Runs
Periodicity: Hourly
Report Name: PUB_HrlyForecastImbalance
File Names: PUB_HrlyForecastImbalance_YYYYMMDDHHMM.xml
Report Title: Forecast Imbalance Report
Audience: General Public
Resolution: Imbalance Settlement Period
Time Span: 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)..
Frequency: Every Hour
Report Format: XML

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 31: Forecast Imbalance Report

8.2.15 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.

I-SEM Report Reference: BM-015
Periodicity: On_demand
Report Name: PUB_HrlyNetImbalVolumeForecast
File Names: PUB_HrlyNetImbalVolumeForecast_YYYYMMDDHHMM.xml
Report Title: Net Imbalance Volume Forecast
Audience: General Public
Resolution: Trading Day
Time Span: Current Trading Day
Frequency: Every 60 Minutes from 13:30 on Trading Day – 1 up to the first Intra-Day Gate Closure for the Trading Day.
Report Format: XML

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

Table 32: Net Imbalance Volume Forecast Report

8.2.16 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)..

<i>I-SEM Report Reference:</i>	<i>BM-016</i>
<i>Data Source</i>	<i>TSO</i>
<i>Periodicity:</i>	<i>Daily (4 times per day)</i>
<i>Report Name:</i>	<i>PUB_15MinAggWindFcst</i>
<i>File Names:</i>	<i>PUB_15MinAggWindFcst_YYYYMMDDHHMM.xml</i>
<i>Report Title:</i>	<i>Aggregated Wind Forecast Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>15 mins</i>
<i>Time Span:</i>	<i>Next four Trading Days</i>
<i>Frequency:</i>	<i>Four times per day, following receipt of each Wind Unit Forecast</i>
<i>Report Format:</i>	<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 33: Aggregated Wind Forecast Report

8.2.17 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.

<i>I-SEM Report Reference:</i>	<i>BM-018</i>
<i>Data Source</i>	<i>TSO</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_DailyIntconNTC</i>
<i>File Names:</i>	<i>PUB_DailyIntconNTC_YYYYMMDDHHMM.xml</i>
<i>Report Title:</i>	<i>Daily Interconnector NTC Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Trading Period</i>
<i>Time Span:</i>	<i>Trading Day</i>
<i>Frequency:</i>	<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>
<i>Report Format:</i>	<i>XML</i>

Field Name	Format	Description
TRADE DATE	DATE (YYYY-MM-DD)	Trading Day
RESOURCE NAME	VARCHAR2(32)	The name of the Interconnector

Field Name	Format	Description
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 34: Daily Interconnector NTC Report

8.2.18 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 35: Combined Loss Adjustment Factor Report

8.2.19 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: TSO

Periodicity: Daily

Report Name: PUB_HlfHrlyAggregatedPN

File Names: PUB_HlfHrlyAggregatedPN_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(83)	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 36: Aggregated Physical Notifications Report

8.2.20 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 37: Anonymised Inc/Dec Curves Report

8.2.21 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).

I-SEM Report Reference: BM-022
Data Source: TSO
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 38: Daily Shortfall Imbalance Index & Flattening Factor Report

8.2.22 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.

I-SEM 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 39: Final Physical Notifications Report

8.2.23 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**

8.2.24 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_5MinImbalPrc**
File Names: **PUB_5MinImbalPrc_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 40: Imbalance Price Report (Imbalance Pricing Period)

8.2.25 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.

I-SEM Report Reference: BM-026
Data Source: RT IMBP Application
Periodicity: Daily
Report Name: PUB_30MinAvgImbalPrc
File Names: PUB_30MinAvgImbalPrc_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 41: Imbalance Price Report (Imbalance Settlement Period)

8.2.26 IMBALANCE PRICE SUPPORTING INFORMATION REPORT

This report contains the real time Imbalance Price and Quantity for BOA (QBOA/PBOA) based on the schedule outputs from RTID runs and real time dispatch instructions for each five minute interval. This report is available to the General Public. This report is published after every Imbalance Pricing run.

I-SEM Report Reference: BM-27
Data Source: Balancing Market Runs
Periodicity: Daily
Report Name: PUB_5MinImbalPrcSuppInfo
File Names: PUB_5MinImbalPrcSuppInfo_YYYYMMDDHHMM.xml
Report Title: Imbalance Price Supporting Information Report
Audience: General Public
Resolution: Imbalance Pricing Period
Time Span: Previous 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 Pricing Period
END TIME	TIME(YYYY-MM-DDTH24:MI)	End time of the Imbalance Pricing Period
PARTICIPANT NAME	VARCHAR2(12)	Participant Name

Field Name	Format	Description
RESOURCE NAME	VARCHAR2(32)	Resource Name
PBOA	NUMBER(8,2)	PBOA
QBOA	NUMBER(8,3)	QBOA
RANK	NUMBER(10)	Rank of QBOA/PBOA
NON ENERGY FLAGS	NUMBER(1)	Non-Energy Flags (multiple entries as required with associated identifiers)
CONSTRAINT_ID	VARCHAR(20)	The Constraint ID associated with that unit, only present if there is a duplicate rank
SO FLAG	NUMBER(1)	SO flag (multiple entries as required with associated identifiers)
EMERGENCY_FLAG	NUMBER(1)	Emergency Flag
IMBALANCE PRICE FLAG	NUMBER(1)	Imbalance Price Flag
NET IMBALANCE VOLUME	NUMBER(8,3)	Net Imbalance Volume
PRICE AVERAGE REFERENCE TAG	NUMBER(8,2)	Price Average Reference Tag
NET IMBALANCE VOLUME TAG	NUMBER(8,3)	Net Imbalance Volume Tag
NON MARGINAL FLAG	NUMBER(1)	Non Marginal Flag
IMBALANCE PRICE TAG	NUMBER(8,2)	Imbalance Price Tag

Table 42: Imbalance Price Supporting Information Report

Constraint Type	Constraint ID	Test Type	Notes
PRM	S_PRM_TOT	OR	System wide primary operating reserve constraint
PRM	S_PRM_ROI	OR	ROI jurisdiction primary operating reserve constraint
PRM	S_PRM_NI	OR	NI jurisdiction primary operating reserve constraint
SEC	S_SEC_TOT	OR	System wide secondary operating reserve constraint
SEC	S_SEC_ROI	OR	ROI jurisdiction secondary operating reserve constraint
SEC	S_SEC_NI	OR	NI jurisdiction secondary operating reserve constraint
TR1	S_TR1_TOT	OR	System wide tertiary 1 operating reserve constraint
TR1	S_TR1_ROI	OR	ROI jurisdiction tertiary 1 operating reserve constraint
TR1	S_TR1_NI	OR	NI jurisdiction tertiary 1 operating reserve constraint
TR2	S_TR2_TOT	OR	System wide tertiary 2 operating reserve constraint
TR2	S_TR2_ROI	OR	ROI jurisdiction tertiary 2 operating reserve constraint
TR2	S_TR2_NI	OR	NI jurisdiction tertiary 2 operating reserve constraint
FFR	S_FFR_TOT	OR	System wide fast frequency response constraint
FFR	S_FFR_ROI	OR	ROI jurisdiction fast frequency response constraint
FFR	S_FFR_NI	OR	NI jurisdiction fast frequency response constraint
NRR	S_NEG_TOT	OR	System wide negative ramping reserve constraint
NRR	S_NEG_ROI	OR	ROI jurisdiction negative ramping reserve constraint
NRR	S_NEG_NI	OR	NI jurisdiction negative ramping reserve constraint
REP	S_REP_TOT	OR	System wide replacement reserve constraint
REP	S_REP_ROI	OR	ROI jurisdiction replacement reserve constraint
REP	S_REP_NI	OR	NI jurisdiction replacement reserve constraint
RM1	S_RM1_TOT	OR	System wide ramp margin 1 constraint
RM1	S_RM1_ROI	OR	ROI jurisdiction ramp margin 1 constraint
RM1	S_RM1_NI	OR	NI jurisdiction ramp margin 1 constraint
RM3	S_RM3_TOT	OR	System wide ramp margin 3 constraint
RM3	S_RM3_ROI	OR	ROI jurisdiction ramp margin 3 constraint
RM3	S_RM3_NI	OR	NI jurisdiction ramp margin 3 constraint
RM8	S_RM8_TOT	OR	System wide ramp margin 8 constraint
RM8	S_RM8_ROI	OR	ROI jurisdiction ramp margin 8 constraint
RM8	S_RM8_NI	OR	NI jurisdiction ramp margin 8 constraint
INERTIA	S_INERTIA_TOT	Inertia	System wide inertia constraint
SNSP	S_SNSP_TOT	SNSP	System wide SNSP (asynchronous generation limit) constraint
RoCoF	S_RoCoF	ROCOF	RoCoF constraint
FREQMGT	S_FREQ	FREQMGT	Footroom limits in jurisdiction for frequency management during I/C outage
STL	S_STL_NI	STL	Limit on tie line flows to NI during single tie line outage
IARAMP	S_IARAMP	IARAMP	Inter-Area ramp constraints
NBMIN	S_NBMIN_TCGNAME	NB	All NB min constraints
NBMAX	S_NBMAX_TCGNAME	NB	All NB max constraints

Constraint Type	Constraint ID	Test Type	Notes
MWMIN	S_MWMIN_TCGNAME	MW	All MW min constraints
MWMAX	S_MWMAX_TCGNAME	MW	All MW max constraints
MWR	S_MWR_TCGNAME	MWR	All MWR constraints

Table 43: Definition of ConstraintID Values Used in BM-027

8.2.27 BM-028: PRICE MATERIALITY THRESHOLD

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

<i>I-SEM Report Reference:</i>	<i>BM-028</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.28 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.

<i>I-SEM Report Reference:</i>	<i>BM-029</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.29 BM-030: IMBALANCE WEIGHTING FACTOR

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

<i>I-SEM Report Reference:</i>	<i>BM-030</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.30 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.

<i>I-SEM Report Reference:</i>	<i>BM-031</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Periodically as required</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.31 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.

I-SEM 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
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)

Field Name	Format	Description
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.
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

Field Name	Format	Description
		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.
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 deload rate curve from end point of startup period to deloading break point to zero expressed in MW.
DELOADING RATE 2	NUMBER(8,3)	First point of the deload rate curve from end point of startup period to deloading break point to zero expressed in MW.
DELOAD BREAK POINT	NUMBER(8,3)	Deloading 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.

Field Name	Format	Description
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 44: Daily Technical Offer Data Report - Standard Units

8.2.32 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>I-SEM Report Reference:</i>	<i>BM-033</i>
<i>Data Source</i>	<i>Market Participant</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_DailyForecastAvailability</i>
<i>File Names:</i>	<i>PUB_DailyForecastAvailability.xml</i>
<i>Report Title:</i>	<i>Forecast Availability Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Trading Period</i>
<i>Time Span:</i>	<i>At a user-configurable time prior to the start of the Trading Day, for the entire Trading Day</i>
<i>Frequency:</i>	<i>Daily</i>
<i>Report Format:</i>	<i>XML</i>

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 45: Forecast Availability Report

8.2.33 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.

I-SEM 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 46: Commercial Offer Data Report – General Public

8.2.34 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.

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

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 47: Daily Demand Control Data Transaction Report

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

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

<i>I-SEM Report Reference:</i>	<i>BM-037</i>
<i>Data Source</i>	<i>TSO</i>

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
RAMP UP RATE	NUMBER(8,3)	Ramp Up Rate
RAMP DOWN RATE	NUMBER(8,3)	Ramp Down Rate

Table 48: Daily Dispatch Instructions (D+1) Report

8.2.36 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: BM-038
Data Source: TSO
Periodicity: Daily
Report Name: PUB_DailyDispatchInstrD4
File Names: PUB_DailyDispatchInstrD4.xml
Report Title: Daily Dispatch Instructions (D+4) Report
Audience: General Public
Resolution: Per Dispatch Instructions
Time Span: Calendar Day - 4
Frequency: Four days after Calendar Day
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(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
INSTRISSUE 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 49: Daily Dispatch Instructions (D+4) Report

8.2.37 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: BM-039
Audience: General Public
Frequency: Periodically as required
Report Format: Word/PDF

8.2.38 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.

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

8.2.39 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.

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

8.2.40 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.

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

8.2.41 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.

<i>I-SEM Report Reference:</i>	<i>BM-043</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Periodically as required
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.42 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.

<i>I-SEM Report Reference:</i>	<i>BM-044</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Periodically as required
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.43 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.

<i>I-SEM Report Reference:</i>	<i>BM-045</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Periodically as required
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.44 BM-046: AGGREGATED SETTLEMENT PERIOD

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

<i>I-SEM Report Reference:</i>	<i>BM-046</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Periodically as required
<i>Report Format:</i>	<i>Word/PDF</i>

8.2.45 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.

<i>I-SEM Report Reference:</i>	<i>BM-047</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Periodically as required

Report Format:

Word/PDF

8.2.46 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.

I-SEM Report Reference:

BM-048

Audience:

General Public

Frequency:

Periodically as required

Report Format:

Word/PDF

8.2.47 BM-049: TOTAL CAPACITY AWARDED

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

I-SEM Report Reference:

BM-049

Audience:

General Public

Frequency:

Periodically as required

Report Format:

Word/PDF

8.2.48 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

8.2.49 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

8.2.50 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>I-SEM Report Reference:</i>	<i>BM-052</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>

8.2.51 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>I-SEM Report Reference:</i>	<i>BM-053</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>

8.2.52 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.

<i>I-SEM Report Reference:</i>	<i>BM-054</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>

8.2.53 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.

<i>I-SEM Report Reference:</i>	<i>BM-055</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>

8.2.54 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.

<i>I-SEM Report Reference:</i>	<i>BM-056</i>
<i>Audience:</i>	<i>General Public</i>

Frequency: Annually and as required
Report Format: Word/PDF

8.2.55 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.

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

8.2.56 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.

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

8.2.57 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.

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

8.2.58 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.

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

8.2.59 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.

<i>I-SEM Report Reference:</i>	<i>BM-061</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.60 BM-062: VARIABLE MARKET OPERATOR PRICE

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

<i>I-SEM Report Reference:</i>	<i>BM-062</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.61 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.

<i>I-SEM Report Reference:</i>	<i>BM-063</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.62 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.

<i>I-SEM Report Reference:</i>	<i>BM-064</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.63 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.

<i>I-SEM Report Reference:</i>	<i>BM-065</i>
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Audience: General Public
Frequency: Annually and as required
Report Format: Word/PDF

8.2.64 BM-066: DOG/PUG/TOLOG/TOLUG FOR OVER/UNDER GENERATION

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

I-SEM 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 50: 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: DATETIME	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 51: Under/Over Generation Report Field Description

8.2.65 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

8.2.66 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>I-SEM Report Reference:</i>	<i>BM-068</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>

8.2.67 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>I-SEM Report Reference:</i>	<i>BM-069</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>

8.2.68 BM-070: IMPERFECTIONS PRICE

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

<i>I-SEM Report Reference:</i>	<i>BM-070</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>

8.2.69 BM-071: IMPERFECTIONS CHARGE FACTOR

This report contains the Imperfections Charge Factor for a Year.

<i>I-SEM Report Reference:</i>	<i>BM-071</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>

8.2.70 BM-072: TESTING TARIFF

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

<i>I-SEM Report Reference:</i>	<i>BM-072</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>

8.2.71 BM-073: SCHEDULE OF TESTING TARIFFS

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

<i>I-SEM Report Reference:</i>	<i>BM-073</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.72 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.

<i>I-SEM Report Reference:</i>	<i>BM-074</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.73 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>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.74 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>	Annually and as required
<i>Report Format:</i>	Word/PDF

8.2.75 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>

8.2.76 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>

8.2.77 BM-079: CURRENCY COST CHANGE FACTOR

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

<i>I-SEM Report Reference:</i>	<i>BM-079</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>

8.2.78 BM-080: ANNUAL MAINTENANCE SCHEDULE – TRANSMISSION LINE OUTAGE

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

<i>I-SEM Report Reference:</i>	<i>BM-080</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually, in April of each year</i>
<i>Report Format:</i>	<i>XLS</i>

8.2.79 BM-081: TWO YEAR MAINTENAINCE SCHEDULE – GENERATOR OUTAGES SCHEDULE

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

<i>I-SEM Report Reference:</i>	<i>BM-081</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Annually and as required</i>
<i>Report Format:</i>	<i>XLS</i>

8.2.80 BM-082: MONTHLY MAINTENANCE SCHEDULE – GENERATOR UNIT OUTAGES

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

<i>I-SEM Report Reference:</i>	<i>BM-082</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Monthly</i>
<i>Report Format:</i>	<i>XLS</i>

8.2.81 BM-083: MONTHLY MAINTENANCE SCHEDULE – TRANSMISSION SYSTEM LINE OUTAGES

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

<i>I-SEM Report Reference:</i>	<i>BM-083</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Monthly</i>
<i>Report Format:</i>	<i>XLS</i>

8.2.82 BM-084: DAILY TRADING EXCHANGE RATE REPORT

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

<i>I-SEM Report Reference:</i>	<i>BM-084</i>
<i>Data Source</i>	<i>Market Operator</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_DailyExchangeRate</i>
<i>File Names:</i>	<i>PUB_DailyExchangeRate.xml</i>
<i>Report Title:</i>	<i>Daily Trading Exchange Rate Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Trading Day</i>
<i>Time Span:</i>	<i>Trading Day + 2</i>
<i>Frequency:</i>	<i>Daily</i>
<i>Report Format:</i>	<i>XML</i>

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 52: Daily Trading Day Exchange Rate Report

8.2.83 BM-162: LTS OPERATIONAL SCHEDULE REPORT

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

<i>I-SEM Report Reference:</i>	BM-162
<i>Data Source</i>	TSO
<i>Periodicity:</i>	Daily
<i>Report Name:</i>	PUB_LTSDOperationalSchedule
<i>File Names:</i>	PUB_LTSDOperationalSchedule_YYYYMMDDHHMM.xml
<i>Report Title:</i>	LTS Operational Schedule Report
<i>Audience:</i>	General Public
<i>Resolution:</i>	Half Hourly
<i>Time Span:</i>	Optimisation Time Horizon of all LTS runs
<i>Frequency:</i>	Automatically, after approval of each LTS Operational Schedule Run
<i>Format:</i>	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(8,3)	Operational Schedule Quantity (MW)
RUN TYPE	CHAR(4)	LTSD

Table 53: LTS Operational Schedule Report

```
<?xml version="1.0"?>
<OutboundData PublishTime="2017-11-14T10:10:01" DateType="TRADE" Date="2017-11-13" DatasetType="DAILY" DatasetName="PUB_LTSDOperationalSchedule" xsi:noNamespaceSchemaLocation="mi-outbound-reports-isem.xsd"
xmlns:xi="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="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_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="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_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="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_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="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_NIMOYLE" ROW="4"/>
  <PUB_LTSDOperationalSchedule PublishTime="2017-11-13T13:00:00" RunType="LTSD" ScheduledQuantity="182.045" EndTime="2017-11-13T17:30:00" StartTime="2017-11-13T17:00:00" DeliveryDate="2017-11-13" TradeDate="2017-11-13"
ResourceType="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_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="IU" ResourceName="L_NIMOYLE" ParticipantName="IA_NIMOYLE" ROW="6"/>
</OutboundData>
```

Figure 2: BM-162: LTS Operational Schedule Report – Sample

8.2.84 BM-163: RTIC OPERATIONAL SCHEDULE REPORT

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

<i>I-SEM Report Reference:</i>	BM-163
<i>Data Source</i>	TSO
<i>Periodicity:</i>	Daily
<i>Report Name:</i>	PUB_RTICOperationalSchedule
<i>File Names:</i>	PUB_RTICOperationalSchedule_YYYYMMDDHHMM.xml
<i>Report Title:</i>	RTIC Operational Schedule Report
<i>Audience:</i>	General Public
<i>Resolution:</i>	15 mins
<i>Time Span:</i>	Optimisation Time Horizon for all RTC Operational Schedule Runs
<i>Frequency:</i>	Automatically, after approval of each RTC Operational Schedule
<i>Format:</i>	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
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(8,3)	Operational Schedule Quantity (MW)
RUN TYPE	CHAR(3)	RTC

Table 54: BM-163: RTIC Operational Schedule Report

```

<?xml version="1.0"?>
<OutboundData PublishTime="2017-11-20T10:11:00" DateType="TRADE" Date="2017-11-19" DataSetType="DAILY" DataSetName="PUB_RTICOperationalSchedule" xmlns:ns="http://www.w3.org/2001/XMLSchema-instance">
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-18T23:15:00" StartTime="2017-11-18T23:00:00" TradeDate="2017-11-19" DeliveryDate="2017-11-18"
    ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="1"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-18T23:30:00" StartTime="2017-11-18T23:15:00" TradeDate="2017-11-19" DeliveryDate="2017-11-18"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="2"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-18T23:45:00" StartTime="2017-11-18T23:30:00" TradeDate="2017-11-19" DeliveryDate="2017-11-18"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="3"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-19T00:00:00" StartTime="2017-11-18T23:45:00" TradeDate="2017-11-19" DeliveryDate="2017-11-18"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="4"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-19T00:15:00" StartTime="2017-11-19T00:00:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="5"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-19T00:30:00" StartTime="2017-11-19T00:15:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="6"/>
  <PUB_RTICOperationalSchedule PublishTime="2017-11-18T21:05:00" RunType="RTIC" ScheduledQuantity="30.164" EndTime="2017-11-19T00:45:00" StartTime="2017-11-19T00:30:00" TradeDate="2017-11-19" DeliveryDate="2017-11-19"
    ResourceName="IU" ResourceName="I_NIMOYLE" ParticipantName="TA_NIMOYLE" ROW="7"/>
</OutboundData>

```

Figure 3: BM-163: : RTIC Operational Schedule Report – Sample

8.3 SETTLEMENT DATA

8.3.1 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.

<i>I-SEM Report</i>	<i>BM-085</i>
<i>Reference:</i>	CSB Settlement System
<i>Data Source</i>	Annually Set, updated ad hoc as required
<i>Periodicity:</i>	SC_PT_ALL_<SettlementDay/OperatingDay>_<PublicationDay>_<ALL_
<i>File Names:</i>	REPT_<Timestamp> (see note below ³)
<i>Report Title:</i>	Settlement Calendar
<i>Audience:</i>	General Public
<i>Resolution:</i>	Event by Calendar Day
<i>Time Span:</i>	Annually, updated ad hoc as required
<i>Frequency:</i>	Annually set, updated as necessary
<i>Report Format:</i>	XML

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

Table 55: 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) ○ MO ○ Fixed Market Operator Charge(FMOC)

³ File Type – can be either Operational day or Settlement day depending on how the report is generated

Field Name	Format	Description
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 (YYY-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 t 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 56: Settlement Calendar Field Description

8.3.2 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.

<i>I-SEM Report Reference:</i>	<i>BM-086</i>
<i>Data Source</i>	<i>Meter Data Provider</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_DailyMeterDataD1</i> <i>PUB_DailyMeterDataD5</i>
<i>File Names:</i>	<i>PUB_DailyMeterDataD1.xml</i> <i>PUB_DailyMeterDataD5.xml</i>
<i>Report Title:</i>	<i>Daily Meter Data Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Imbalance Settlement Period</i>
<i>Time Span:</i>	<i>Calendar Day (TD-1WD) and (TD-5WD)</i>

Frequency: *Daily*
Report Format: *XML*

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, 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, 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 57: Daily Meter Data Report

8.3.3 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.

I-SEM Report Reference: *BM-087*
Data Source: *Settlement*
Periodicity: *Daily*
Report Name: *PUB_DailyIntconFlowAndResCap*
File Names: *PUB_DailyIntconFlowAndResCap.xml*
Report Title: *Initial Interconnector Flows and Residual Capacity Report*
Audience: *General Public*
Resolution: *Imbalance Settlement Period*
Time Span: *Settlement Day-4*
Frequency: *Daily (every Working Day as Meter Data is received per Working Day)*
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, 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 58: Initial Interconnector Flows and Residual Capacity Report

8.3.4 BM-088: DAILY TRANSMISSION OUTAGE SCHEDULE REPORT

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

I-SEM 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 59: Daily Transmission Outage Schedule Report

8.3.5 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.

I-SEM 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 60: Average System Frequency Report

8.3.6 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 61: SO Interconnector Trades Report

8.3.7 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

Field Name	Format	Description
RESOURCE NAME	VARCHAR2(32)	The name of the resource (e.g. the name of the Generating Unit, Supplier Unit, Demand Side Unit, Interconnector 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 62: Unit Data Report

8.3.8 BM-094: METERED VOLUMES BY JURISDICTION

I-SEM 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 63: 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 64: Metered Volumes by Jurisdiction Report

8.3.9 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.

I-SEM 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 (MWhr) times the Imbalance Period Price (Euro/MWhr)

Table 65: Balance and Imbalance Market Cost View Field Description

8.3.10 BM-096: DISPATCH QUANTITY

I-SEM Report Reference: BM-096
Data Source: TSO
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 66: Dispatch Quantity

8.3.11 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.

<i>I-SEM Report Reference:</i>	<i>BM-098</i>
<i>Data Source</i>	<i>SEMOpx</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_HrlyAggContractedQtyGen</i>
<i>File Names:</i>	<i>PUB_HrlyAggContractedQtyGen_YYYYMMDDHHMM.xml</i>
<i>Report Title:</i>	<i>Aggregated Contracted Quantities for Generation Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Imbalance Settlement Period</i>
<i>Time Span:</i>	<i>All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day</i>
<i>Frequency:</i>	<i>Once every Hour</i>
<i>Report Format:</i>	<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 Generation Units and Demand Side Units only

Table 67: Aggregated Contracted Quantities for Generation Report

8.3.12 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.

<i>I-SEM Report Reference:</i>	<i>BM-099</i>
<i>Data Source</i>	<i>SEMOpx</i>
<i>Periodicity:</i>	<i>Daily</i>
<i>Report Name:</i>	<i>PUB_AggContractedQtyDemand</i>
<i>File Names:</i>	<i>PUB_AggContractedQtyDemand_YYYYMMDDHHMM.xml</i>
<i>Report Title:</i>	<i>Aggregated Contracted Quantities for Demand Report</i>
<i>Audience:</i>	<i>General Public</i>
<i>Resolution:</i>	<i>Imbalance Settlement Period</i>

Time Span: All Imbalance Settlement Periods for which the Balancing Market Gate Window is still open in the Trading Day
Frequency: 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 Supplier Units

Table 68: Aggregated Contracted Quantities for Demand Report

8.3.13 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.

I-SEM Report Reference: BM-100
Data Source: SEMOpx
Periodicity: Daily
Report Name: PUB_HrlyAggWindFcst
File Names: PUB_HrlyAggWindFcst_YYYYMMDDHHMM.xml
Report Title: Aggregated Contracted Quantities for Wind 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: Hourly
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 Wind Units

Table 69: Aggregated Contracted Quantities for Wind Report

8.3.14 BM-101: AVERAGE OUTTURN AVAILABILITY

I-SEM Report Reference: BM-101
Data Source: TSO
Periodicity: Daily
Report Name: PUB_AvgOutturnAvail
File Names: PUB_AvgOutturnAvail_YYYYMMDDHHMM.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 70: Average Outturn Availability Report

8.3.15 BM-159: OUTTURN AVAILABILITY

I-SEM Report Reference: BM-159
Data Source: TSO
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)
OUTTURN MINIMUM OUTPUT	NUMBER(8,3)	Minimum Output (MW)

Table 71: Outturn Availability Report

8.3.16 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: BM_160
Data Source: TSO
Periodicity: Hourly
Report Name: PUB_D_HourlyDIRpt
File Names: PUB_D_HourlyDIRpt_YYYYMMDDHHMM.xml
Report Title: Hourly Dispatch Instructions Report

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
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

Table 72: Hourly Dispatch Instructions Report

8.3.17 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: BM_161
Data Source: TSO
Periodicity: Hourly
Report Name: PUB_D_HourlySOTrades
File Names: PUB_D_HourlySOTrades_YYYYMMDDHHMM.xml
Report Title: Hourly SO Interconnector Trades Report
Audience: General Public
Resolution: Individual SO Interconnector Trades
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 73: Hourly SO Interconnector Trades Report

8.3.18 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 74: Unit Under Test Report

8.3.19 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	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)

Table 75: 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	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 76: General Public Settlement Detail Field Description

8.3.20 BM-104: ENERGY MARKET FINANCIAL PUBLICATION – INITIAL

Refer to section 8.3.18 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 74: Unit Under Test Report

BM-103: Energy Market Financial Publication – Indicative

I-SEM Report Reference: BM-104
Data Source: CSB 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

8.3.21 BM-105: CAPACITY PAYMENTS BY MARKET

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

I-SEM Report Reference: BM-105
Data Source: CSB 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 77: 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 78: Capacity Payments by Market Report Detail Field Description

8.3.22 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: CSB 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)
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Table 79: 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 80: Capacity Payments by Unit Report - Detail Field Description

8.3.23 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.

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

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 81: Daily Generator Unit Technical Characteristics Data Transaction Report

8.3.24 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.

<i>I-SEM Report Reference:</i>	<i>BM-108</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Daily</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.25 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.

<i>I-SEM Report Reference:</i>	<i>BM-109</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Daily, post Trading Day or Settlement Day</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.26 BM-110: TRADING PAYMENTS AND CHARGES

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

<i>I-SEM Report Reference:</i>	<i>BM-110</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Daily, post Trading Day or Settlement Day</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.27 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.

<i>I-SEM Report Reference:</i>	<i>BM-111</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Daily, post Trading Day or Settlement Day</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.28 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.

<i>I-SEM Report Reference:</i>	<i>BM-112</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Daily, post Trading Day or Settlement Day</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.29 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.

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

8.3.30 BM-145: Energy Market Information Publication – Indicative

I-SEM Report Reference: BM-145
Data Source: CSB Settlement System
Periodicity: Daily
File Names: EI_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 82: 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	STRING(25)	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 83: Energy Market Information Publication Detail Field Description

8.3.31 BM-146: Energy Market Information Publication – Initial

Refer to section 8.3.30 BM-145: Energy Market Information Publication – Indicative

I-SEM Report Reference: BM-146
Data Source CSB Settlement System
Periodicity: Daily
File Names: EI_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

8.3.32 BM-147: CAPACITY MARKET INFORMATION PUBLICATION – INDICATIVE

I-SEM Report Reference: BM-147
Data Source CSB 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 84: 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 85: Capacity Market Information Publication Detail Field Description

8.3.33 BM-148: Capacity Market Information Publication – Initial

Refer to section 8.3.33 BM-148: Capacity Market Information Publication – Initial

I-SEM Report Reference: BM-148
Data Source CSB Settlement System
Periodicity: Daily

<i>File Names:</i>	<i>CI_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp></i>
<i>Report Title:</i>	Capacity Market Information Publication - Initial
<i>Audience:</i>	General Public
<i>Resolution:</i>	Imbalance Settlement Period
<i>Time Span:</i>	Market Volume and Settlement by Settlement Period
<i>Frequency:</i>	Settlement Day
<i>Report Format:</i>	XML

8.3.34 BM-149: Capacity Market Financial Publication – Indicative

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

Field Name	Format	Description
REPORT_TYPE	VARCHAR(2)	Identifier for Report (CF)
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 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	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 87: Capacity Market Financial Publication Detail Field Description

8.3.35 BM-150: Capacity Market Financial Publication – Initial

Refer to section **Error! Reference source not found.**8.3.34 BM-149: Capacity Market Financial Publication – Indicative

<i>I-SEM Report Reference:</i>	<i>BM-150</i>
<i>Data Source</i>	CSB Settlement System
<i>Periodicity:</i>	Daily
<i>File Names:</i>	<i>CF_PT_ALL_<SettlementDay>_<PublicationDay>_<Market>_<RunType>_<Timestamp></i>
<i>Report Title:</i>	Capacity Market Financial Publication - Initial
<i>Audience:</i>	General Public

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

8.3.36 BM-151: Metered Generation Information Publication - Indicative

I-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	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)

Table 88: 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	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: QUANTITY	NUMBER(28,8)	Quantity of the determinant in the ISP

Table 89: Metered Generation Information Publication -Detail Field Description

8.3.37 BM-152: Metered Generation Information Publication – Initial

Refer to section 8.3.36 BM-151: Metered Generation Information Publication - Indicative

I-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

8.3.38 BM-153: Make Whole Payments

I-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 90: 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 91: Make Whole Payments Report Detail Field Description

8.3.39 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

Table 92: 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 93: 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 94: Cross Border Monthly Capacity Report Field Description

8.3.40 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 95: 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 96: 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 97: Cross Border Energy Data Report Field Description

8.3.41 BM-115: PROPOSED MARKET OPERATOR ISOLATED MARKET SYSTEM TESTING SCHEDULE

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

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

8.3.42 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.

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

8.3.43 BM-117: MARKET OPERATOR PERFORMANCE REPORT

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

I-SEM Report Reference: BM-117
Audience: General Public
Frequency: Monthly
Report Format: Word/PDF

8.3.44 BM-130: QUARTERLY RENEWABLE DISPATCH DOWN (CONSTRAINT & CURTAILMENT)

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

<i>I-SEM Report Reference:</i>	<i>BM-130</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Quarterly</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.3.45 BM-131: ANNUAL RENEWABLE DISPATCH DOWN (CONSTRAINT & CURTAILMENT)

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

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

8.3.46 BM-132: QUARTERLY CONSTRAINT COST OUTTURN

This Report contains the Quarterly Constraint Cost Outturn data.

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

8.3.47 BM-137: MONTHLY CONSTRAINT UPDATE

This Report contains the Monthly Constraint data.

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

8.3.48 BM-138: WEEKLY CONSTRAINT UPDATE

This Report contains the Weekly Constraint Update data.

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

8.3.49 BM-139: AD HOC CONSTRAINT UPDATE

This Report contains the Ad Hoc Constraint Update data.

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

8.4 BALANCING MARKET METHODOLOGIES AND PROCESSES

8.4.1 BM-129: AD HOC CONSTRAINT UPDATE

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

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

8.4.2 BM-136: BALANCING MARKET PRINCIPLES STATEMENT

This is the Balancing Market Principles Statement.

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

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

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

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

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

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

<i>I-SEM Report Reference:</i>	<i>BM-147</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.4.5 BM-140: DEMAND FORECASTING

This report describes the operational process for Demand Forecasting.

<i>I-SEM Report Reference:</i>	<i>BM-140</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.4.6 BM-141: SCHEDULING

This report describes the operational process for Scheduling.

<i>I-SEM Report Reference:</i>	<i>BM-141</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.4.7 BM-142: DISPATCH

This report describes the operational process for Dispatch

<i>I-SEM Report Reference:</i>	<i>BM-142</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.4.8 BM-143: CROSS-ZONAL ACTIONS

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

<i>I-SEM Report Reference:</i>	<i>BM-143</i>
<i>Audience:</i>	<i>General Public</i>
<i>Frequency:</i>	<i>Ad Hoc</i>
<i>Report Format:</i>	<i>Word/PDF</i>

8.4.9 BM-144: WIND FARM CONTROLLABILITY CATEGORISATION

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

<i>I-SEM 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>

8.5 BALANCING MARKET OPERATOR PERFORMANCE

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

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

<i>I-SEM 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>

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

This is the Scheduling and Dispatch Policy Parameter Performance Report.

<i>I-SEM 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>

8.5.3 BM-135: ANNUAL SCHEDULING AND DISPATCH PROCESS AUDIT REPORT

This is the Annual Scheduling and Dispatch Process Audit Report.

<i>I-SEM 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>

9 APPENDIX C: SEMO WEBSITE API SPECIFICATION



SEMO Website API
Specification.pdf