

Stage 02: Industry Consultation

Grid Code

GC0083 European Transparency Regulation Implementation

What stage is this
document at?

01 Workgroup
Report

02 Industry
Consultation

03 Report to the
Authority

This proposal seeks to modify the Grid Code to facilitate the collection of data required for the compliance of the European Commission Regulation (EU) No 543/2013

This document is open for Industry Consultation. Any interested party is able to make a response in line with the guidance set out in Section 5 of this document.

Published on: xx May 2014
Length of Consultation: 20 Working Days
Responses by: xx XXXX 2014

National Grid recommends:



That the proposed changes are taken forward for Industry Consultation as they would allow stakeholders to efficiently discharge their obligations related to the European Transparency Regulation.



High Impact:

None identified



Medium Impact:

Transmission Owners, Generators, System Operator, Distribution Network Operators



Low Impact:

None identified

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Any Questions?

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About this document

This Industry Consultation outlines the information required for interested parties to form an understanding of a defect within the Grid Code seeks the views of interested parties in relation to the issues raised by this document.

Parties are requested to respond by **xx XXXX 20144** to grid.code@nationalgrid.com

Proposer:

**National Grid
Electricity
Transmission plc**

Document Control

Version	Date	Author	Change Reference
1.0	19/03/2014	National Grid	Draft Industry Consultation

1 Executive Summary

- 1.1 The European Commission Regulation No 543/2013¹ (also known as the Transparency regulation) came into force on 4th July 2013. The Regulation sets out the minimum requirements for the publication of a common set of data relating to the generation, transportation and consumption of electricity.
- 1.2 Under this regulation, primary owners of data are required to submit information to their Transmission System Operators (TSO) for publication on a central European transparency platform² managed by the European Network of Transmission System Operators for Electricity (ENTSO-E).
- 1.3 Twelve articles of the European Transparency Regulation (ETR) are related to data reporting requirements. Some of which will require primary data owners to submit supplementary information to National Grid in addition to the data they already submit under existing industry arrangements.
- 1.4 BSC Modification P295³ was raised to propose that Elexon is made the GB data provider for all the information that National Grid is required to submit to the ENTSO-E transparency platform. This was due to the interaction between ETR and REMIT⁴. BSC P295 was approved by the Authority on 22 January 2014 and the implementation date is set for 16 December 2014.
- 1.5 This modification proposal deals with the necessary changes to the Grid Code to facilitate the collection of data to allow primary data owner's to discharge their obligations under ETR. Arrangements to deliver ETR must be implemented no later than 4 January 2015.

¹ <http://eurlex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:163:0001:0012:EN:PDF>

² <http://www.entsoe.net/#RS>

³ <http://www.elexon.co.uk/mod-proposal/p295/>

⁴ EU regulation No 1227/2011 on wholesale energy market integrity and transparency (REMIT) has been in force since 28 December 2011. REMIT is aimed at preventing market abuse in wholesale energy markets. P291 introduced an outage publication page on the BMRS. Information will start to be published on the BMRS from December 2014.

2 Why Change?

- 2.1 The Transparency Regulation is a legally binding EU regulation that came into force on 4th July 2013. The aim of the regulation is to make available to market participants across Europe, data that would allow them to take efficient production, consumption and trading decision. It is also expected that the provision of timely information would allow TSOs to better control their networks and to operate in a more predictable and secure manner.
- 2.2 The regulation places an obligation on primary owners of data to submit information related to generation, transportation and consumption of electricity to their TSO for publication on a central European Transparency platform run by ENTSO-E.
- 2.3 It also places an obligation on National Grid (in its role of GB TSO data provider) to facilitate the collection, verification and processing of data for onward publication to the Transparency platform.
- 2.4 Twelve articles of the European Transparency Regulation (ETR) are related to data reporting requirements. These are articles are:
 - Article 6 - Information on total load
 - Article 7 - Information relating to the unavailability of consumption units
 - Article 8 - Year-ahead forecast margin
 - Article 9 - Transmission infrastructure
 - Article 10 - Information relating to the unavailability of transmission infrastructure
 - Article 11 - Information relating to the estimation and offer of cross zonal capacities
 - Article 12 - Information relating to the use of cross zonal capacities
 - Article 13 - Information relating to congestion management measures
 - Article 14 - Forecast generation
 - Article 15 - Information relating to the unavailability of generation and production units
 - Article 16 - Actual generation
 - Article 17 - Balancing
- 2.5 National Grid data submissions will cover the majority of these articles with the exception of Articles 11 and 12 for which the Interconnector Operators will submission data directly to the Transparency platform.
- 2.6 Article 17 relating to Imbalance data will be met by Elexon on behalf of National Grid.
- 2.7 To ascertain what the requirements would be for the remaining articles, National Grid conducted a feasibility and requirements study of its existing processes. An Industry workshop was held on the 6 November 2013, to discuss data with Industry parties the requirements and the most efficient way of collection this data. This was followed by an Industry Consultation on the 5 December 2013 to obtain industry feedback on the potential solutions.
- 2.8 It was concluded that to fully comply with the remaining articles of the regulation, primary data owners will need to submit supplementary information for Articles 7, 14 and 15.

2.9 The data requirements for these articles are as follows:

Article 7 - Information relating to unavailability of consumption units

2.10 **Article 7** requires the reporting of planned and unplanned unavailability of Transmission and Distribution Network Operator connected demand units.

2.11 This applies to planned unavailability of 100MW or more and any further changes of planned availability of 100MW or more for the same demand unit. In both cases, this applies to events lasting at least one settlement period (i.e. half an hour).

2.12 TSOs will need to report the changes aggregated by bidding zone. The bidding zone refers to the largest geographical area within which market participants are able to exchange energy without capacity allocation. This will be GB.

2.13 The data required for submission is as follows:

- Code of the demand unit (EIC code)
- Unavailable demand capacity in MW per half an hour during the event
- Reason for the unavailability. This could be maintenance, failure, shutdown or other.
- Start and estimated stop date (dd.mm.yy hh:mm) of the unavailability
- Remarks or additional information

2.14 Energy Identification Coding (EIC) is a coding scheme that has been developed, managed and maintained to facilitate cross-border exchanges and to efficiently and reliably identify different objects and parties relating to the Internal Energy Market (IEM) and its operations. It is approved by ENTSO-E for the harmonisation and implementation of standardised electronic data interchanges and is therefore utilised for reporting to the Central European Transparency Platform.

2.15 Frequency of submission to the Transparency platform: Planned unavailability data of demand units is to be published as soon as possible but no later than 1 hour after the decision regarding the planned availability is made. Similarly, unplanned availability of demand units would need to be published as soon as possible but no later than 1 hour after the actual change took place.

Article 14 - Forecast generation

- 2.16 **Article 14.1(a)** requires the publication of the sum of generation capacity of all existing Production units with installed capacity of 1 MW or more. The generation capacity refers to the installed net capacity as per January 1st of the following year. A Production unit is defined in the regulation as ‘a facility for generation of electricity made up of a single generation unit or of an aggregation of generation units’. This is equivalent to the definition of a Power Station in GB.
- 2.17 TSOs are required to submit information for Article 14.1(a) aggregated by production type. The production type refers to fuel type as defined in the Manual of Procedures for the ENTSO-E Central Information Transparency Platform⁵. A table with ENTSO-E production types and National Grid’s equivalent can be found in Annex 2.
- 2.18 Frequency of submission to the Transparency platform: This Article requires data to be published annually no later than one week before the end of the year thus the first formal publication will be in December 2015.
- 2.19 **Article 14.1(b)** requires the publication of information related to Production units (existing and planned) with an installed generating capacity of 100MW or more. The required data is as follows:
- Unit name
 - Installed generation capacity (MW)
 - Location
 - Voltage connection level
 - Bidding zone
 - Production type
- 2.20 Frequency of submission to the Transparency platform: The information is required to be published annually for the three following years.
- 2.21 **Article 14.1(c)** requires the publication of an estimate of the total scheduled generation in MW for each settlement period for the following day.
- 2.22 Frequency of submission to the Transparency platform: The information is required to be published no later than 18:00 Brussels time the day before.

Article 15 - Information relating to the unavailability of generation and production units

- 2.23 **Article 15.1(a)** requires the reporting of Generation units’ planned unavailability of 100 MW or more. This also applies to any further changes of planned unavailability of 100MW or more for the same Generating unit. In both cases, this applies to events expected to last at least one settlement period for up to three years ahead. The data required is as follows:

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https://www.entsoe.eu/fileadmin/user_upload/library/resources/Transparency/131031_MoP_Master_for_ACER_opinion_v1.8.pdf

- Production unit name
- Generation unit name
- Location
- Bidding zone
- Installed capacity (MW)
- Production type
- Available capacity during the event
- Start date and estimated end date (dd.mm.yy hh:mm)
- Reason for the unavailability. This could be maintenance, outage, external factors or other.

2.24 The regulation defines Generation unit as 'a single electricity generator belonging to a production unit'. This is equivalent to the Grid code definition of a Generating Unit.

2.25 Frequency of submission to the Transparency platform: Similarly to Article 7, the information is required to be published data as soon as possible but no later than one hour after decision is made.

2.26 **Article 15.1(b)** requires the publication of information related to changes of 100MW or more in actual availability of a generation unit for events expected to last for at least one settlement period. The data requirements are:

- Production unit name
- Generation unit name
- Location
- Bidding zone
- Installed capacity (MW)
- Production type
- Available capacity during the event
- Start date and end date (dd.mm.yy hh:mm)
- Reason for the unavailability. This could be maintenance, outage, external factors or other.

2.27 Frequency of submission to the Transparency platform: Information is required to be published data as soon as possible but no later than one hour after the event has happened.

2.28 **Article 15.1(c)** requires the publication of Production units' planned unavailability data of 200 MW or more. This includes changes of 100MW or more in the planned unavailability of the same production unit that are not published in accordance with article 15.1(a). This applies to events lasting at least one settlement period up to three years ahead. The data required is as follows:

- Production unit name
- Location
- Bidding zone
- Installed capacity (MW)
- Production type
- Available capacity during the event
- Start date and estimated end date (dd.mm.yy hh:mm)

- Reason for the unavailability. This could be maintenance, outage, external factors or other.

2.29 Frequency of submission to the Transparency platform: Similarly to 15.1(a) the submission is required to be done as soon as possible but no later than one hour after the decision is made.

2.30 **Article 15.1(d)** relates to the publication of changes of 200MW or more in actual availability of a Production unit. This should include changes of 100MW or more in the planned unavailability of the same production unit that are not published in accordance with article 15.1(b). This applies to all events lasting at least one settlement period. The data requirements are as follows:

- Production unit name
- Location
- Bidding zone
- Installed capacity (MW)
- Production type
- Available capacity during the event
- Start date and end date (dd.mm.yy hh:mm)
- Reason for the unavailability could be maintenance, outage, external factors or other.

2.31 Frequency of submission to the Transparency platform: Information is required to be published data as soon as possible but no later than one hour after the event has happened.

3 Solution

- 3.1 In order to collect the information needed to comply with the ETR regulation National Grid is proposing the following changes:
- 3.2 Add two new definitions to the 'Glossary and Definitions' section to define ETR Availability Data and MODIS. The proposed definitions are contained in Annex 1 of this industry consultation.
- 3.3 The Market Operation Data Interface System (MODIS) is a new Software system currently being developed by National, in collaboration with industry parties, to allow the capture of information for the purpose of ETR.

Article 7 and Article 15

- 3.4 Two new paragraphs (OC2.4.2.3 and OC2.4.7) will be added to the Operational Planning and Data Provision sections.
- 3.5 Consequential Distribution Code changes will be required to ensure that DNOs could gather the require information with respect to Article 7. Discussions with DNOS are currently being held on this subject.
- 3.6 The proposed Grid Code legal text is contained in Annex 1 of this industry consultation.

Article 14

- 3.7 Article 14.1(a) and 14.1(b): Generators directly connected to the National Transmission System currently submit the necessary data to comply with this Article. This is in accordance with PC.A.3.2.2 of the Grid Code. The data form part of the generator's submission in calendar Week 24 as specified in PC.4.3.1. As the data will be available in advance that it is required, National Grid will not expect to change existing generator submission timescales.
- 3.8 A new paragraph, PC.A.2.2.8, will be added to the Planning Code to allow the alignment of NGET fuel type to ETR production type. This would apply to Generators directly connected to the National Transmission System. The proposed legal text can be found in Annex 1 of this industry consultation.
- 3.9 National Grid currently does not receive information in relation to small scale generation. A joint proposal to modify the Distribution and Grid Code, GC0042 'Information on Small Embedded Power Stations and Impact on Demand', is being progressed through Industry Consultation to facilitate the collection of this data.
- 3.10 Article 14.1(c) The proposal is to use the Physical Notification as a component for the total calculation of the total scheduled generation. Generators currently submit this data to National Grid as specified in BC1.4.2 at 11:00 hours each day for each Settlement Period of the next following Operational Day. This gives National Grid sufficient time to produce the necessary information to submit to the ENTSO platform. National Grid therefore, has decided not to alter current submission timescales.

3.11 In addition to the above changes, a new table will be added in DRC Schedule 5 – Users System Data. The table will contain:

- ETR article number
- Data description
- Name of the user providing data and
- Frequency of submission

3.12 For clarity, the table will name all the ETR articles where 3rd party data is required (existing and new) together with a reference to their associated Grid Code section.

3.13 The proposed legal text can be found in Annex 1 of this consultation document.

Currently received Industry data that National Grid proposes to use in ETR submissions

Article 8

3.14 The proposal is to use Output Usable as a component for the calculation of the Year Ahead Forecast Margin. Generators currently submit this data to National Grid as specified in OC2.4.1.2.2.

3.15 Generators submit their Output Usable at different stages throughout the year giving National Grid sufficient time to produce the necessary reports. Therefore, no modification is required.

4 Impact & Assessment

Impact on the Grid Code

- 4.1 This consultation requires amendments to the following parts of the Grid Code:
- OC2.4.7, OC2.4.2.3 and PC.A.2.2.8
 - Schedule 5 of the Data registration Code

Impact on National Electricity Transmission System (NETS)

- 4.2 None identified

Impact on Grid Code Users

- 4.3 The proposed changes to the Grid Code will increase the work required by the Network Distribution Operators (DNO) and Generating units to supply information to National Grid

Impact on Greenhouse Gas emissions

- 4.4 None identified

Assessment against Grid Code Objectives

- 4.5 National Grid considers that GC0083 'European Transparency Regulation Implementation' would better facilitate the Grid Code objective:

- (i) to permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity;

The proposed modifications would facilitate the collection of additional information that would help the GB TSO to better reallocate reserves and promote efficiency in the operation of the Transmission Network.

- (ii) to facilitate competition in the generation and supply of electricity (and without limiting the foregoing, to facilitate the national electricity transmission system being made available to persons authorised to supply or generate electricity on terms which neither prevent nor restrict competition in the supply or generation of electricity);

Equal access to information in a timely manner would ensure a level playing field for market participants.

- (iii) subject to sub-paragraphs (i) and (ii), to promote the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole; and

The proposal has a neutral impact on this objective.

- (iv) to efficiently discharge the obligations imposed upon the licensee by this license and to comply with the Electricity Regulation and any relevant legally binding decisions of the European Commission and/or the Agency.

The proposed changes would allow Generators, Demand and TSOs to discharge their obligations with regards to the European Transparency Regulation.

Impact on core industry documents

- 4.6 The proposed modification does not impact on any core industry documents

Impact on other industry documents

- 4.7 The proposed modification does not impact on any other industry documents

Implementation

- 4.8 National Grid proposes GC0083 should be implemented 10 business days after an Authority decision but no later than 4th January 2015. This is required to comply with European Legislation. Views are invited on this proposed implementation date.

5 Consultation Responses

- 5.1 Views are invited upon the proposals outlined in this consultation, which should be received by **xx XXXX 2014**. A response proforma is available on the National Grid website at the following link:

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Modifications/GC0083/>

Please email your responses to: grid.code@nationalgrid.com

- 5.2 Responses are invited to the following questions:

- (i) Does the proposed Grid Code drafting implement the intended changes effectively?
- (ii) Do you believe that the proposal better facilitates the Grid Code objectives?
- (iii) Do you support the proposed implementation approach?
- (iv) Do you believe that the proposed timescales are appropriated?
- (v) Do you have any additional comments?

- 5.3 If you wish to submit a confidential response please note the following:

- (i) Information provided in response to this consultation will be published on National Grid's website unless the response is clearly marked "Private & Confidential", we will contact you to establish the extent of the confidentiality. A response marked "Private and Confidential" will be disclosed to the Authority in full but, unless agreed otherwise, will not be shared with the Grid Code Review Panel or the industry and may therefore not influence the debate to the same extent as a non confidential response.
- (ii) Please note an automatic confidentiality disclaimer generated by your IT System will not in itself, mean that your response is treated as if it had been marked "Private and Confidential".

Annex 1 - Proposed Legal Text

This section contains the proposed legal text to give effect to the proposals. The proposed new text is in red and is based on Grid Code Issue 5 Revision 7.

Changes to the Grid Code: Glossary and Definitions

MODIS	The market operation data interface system made available by NGET for use by Customers connected to the National Electricity Transmission System .
ETR Availability Data	Such data as set out in DRC Schedule 5 (Users' System Data) Page 11 and as Customers and Generators are required to provide under Articles 7.1(a) and 7.1(b) and Articles 15.1(a), 15.1(b), 15.1(c), 15.1(d) of Commission Regulation (EU) No 543/2013 respectively.

Changes to the Grid Code: Operational Code

OC2.4.2 DATA REQUIREMENTS

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OC2.4.2.3 Each **Generator** and each **Customer** connected to the **National Electricity Transmission System** shall provide **NGET** with such information as required by and set out in **DRC** Schedule 5 (Users' System Data) Page 11 in the timescales detailed therein.

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OC.2.4.7 In the event that:

- a) a **Non-Embedded Customer** experiences the planned unavailability of its **Apparatus** resulting in the reduction of consumption of 100MW or greater, or a change to the planned unavailability of its **Apparatus** of 100MW or greater, for one **Settlement Period** or longer;
- b) a **Non-Embedded Customer** experiences a change in the actual availability of its **Apparatus** resulting in a change in its consumption of 100MW or greater;
- c) an **Embedded Customer** connected to a **Network Operator's User System** experiences the planned unavailability of its **Apparatus** resulting in the reduction of consumption of 100MW or greater, or a change to the planned unavailability of its **Apparatus** of 100MW or greater, for one **Settlement Period** or longer;
- d) an **Embedded Customer** connected to a **Network Operator's User System** experiences a change in the actual availability of its **Apparatus** resulting in a change in its consumption of 100MW or greater;
- e) a **Generator** experiences a **Planned Outage** resulting in:
 - i. the reduction of the **Generation Capacity** of a **Power Station** of 200MW or greater; or
 - ii. the reduction of the **Generation Capacity** of a **Generating Unit** of 100MW or greater; or
 - iii. a change to a **Planned Outage** of a **Power Station** or **Generating Unit** of 100MW or greater for one **Settlement Period** or longer up to three years ahead;
- f) a **Generator** experiences a change in the actual availability of
 - i. a **Power Station** with a **Registered Capacity** of 200MW

- ii. a **Generating Unit** with a **Registered Capacity** of 100MW resulting in a change in its **Generation Capacity** of 100MW or greater which it expects to last for one **Settlement Period** or longer;

such **Non-Embedded Customer, Network Operator** or **Generator** shall provide **NGET** with the **ETR Availability Data** in accordance with **DRC** Schedule 5 (Users' System Data) Page 11 using **MODIS**.

PART 1 - STANDARD PLANNING DATA

PC.A.2 USER'S SYSTEM (AND OTSUA) DATA

PC.A.2.1 Introduction

PC.A.2.1.1 Each **User**, whether connected directly via an existing **Connection Point** to the **National Electricity Transmission System**, or seeking such a direct connection, or providing terms for connection of an **Offshore Transmission System** to its **User System** to **NGET**, shall provide **NGET** with data on its **User System** (and any **OTSUA**) which relates to the **Connection Site** (and in the case of **OTSUA**, the **Interface Point**) and/or which may have a system effect on the performance of the **National Electricity Transmission System**. Such data, current and forecast, is specified in PC.A.2.2 to PC.A.2.5. In addition each **Generator** in respect of its **Embedded Large Power Stations** and its **Embedded Medium Power Stations** subject to a **Bilateral Agreement** and each **Network Operator** in respect of **Embedded Medium Power Stations** within its **System** not subject to a **Bilateral Agreement** connected to the **Subtransmission System**, shall provide **NGET** with fault infeed data as specified in PC.A.2.5.5 and each **DC Converter** owner with **Embedded DC Converter Stations** subject to a **Bilateral Agreement**, or **Network Operator** in the case of **Embedded DC Converter Stations** not subject to a **Bilateral Agreement**, connected to the **Subtransmission System** shall provide **NGET** with fault infeed data as specified in PC.A.2.5.6.

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PC.A.2.2.8 Each **Generator** shall supply **NGET** with the technology type(s) used, selected from the list set out below:

- Biomass
- Fossil brown coal/lignite
- Fossil coal-derived gas
- Fossil gas
- Fossil hard coal
- Fossil oil
- Fossil oil shale
- Fossil peat
- Geothermal
- Hydro pumped storage
- Hydro run-of-river and poundage
- Hydro water reservoir
- Marine
- Nuclear
- Other renewable
- Solar
- Waste
- Wind offshore
- Wind onshore
- Other

Schedule 5 – USERS SYSTEM DATA
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European Transparency Regulation (OC2.4.2.3)

The data below is to be provided to **NGET** as required for compliance with the European Transparency Regulation

ETR ARTICLE	DATA DESCRIPTION	USERS PROVIDING DATA	FREQUENCY OF SUBMISSION
7.1(a)	Planned unavailability of the Apparatus belonging to a Customer where OC2.4.7 (a) or OC2.4.7 (c) applies <ul style="list-style-type: none"> - Energy Identification Code (EIC)* - Unavailable demand capacity during the event (MW) - Estimated start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Failure . Shutdown . Other 	Non-Embedded Customer connected to the National Electricity Transmission System or Network Operator	To be received by NGET as soon as possible but no later than 30 minutes after the decision regarding the planned unavailability is made
7.1(b)	Changes in actual availability of the Apparatus belonging to a Customer where OC2.4.7 (b) or OC2.4.7 (d) applies <ul style="list-style-type: none"> - Energy Identification Code (EIC)* - Unavailable demand capacity during the event (MW) - Start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Failure . Shutdown . Other 	Non-Embedded Customer connected to the National Electricity Transmission System or Network Operator	To be received by NGET as soon as possible but no later than 30 minutes after the change in actual availability
8.1	Year Ahead Forecast Margin information as provided in accordance with OC2.4.1.2.2 <ul style="list-style-type: none"> - Output Usable 	Generator	In accordance with OC2.4.1.2.2
14.1(a)	Annual Generation Capacity for units with greater than 1 MW registered capacity provided in accordance with PC.4.3.1 and PC.A.2.2.8 or PC.A.3.1.4 <ul style="list-style-type: none"> - Registered Capacity (MW) - Production type 	Generator	Week 24
14.1(b)	Annual Power Station capacity for units with equal or greater than 100 MW registered capacity provided in accordance with PC.4.3.1 and PC.A.2.2.8 <ul style="list-style-type: none"> - Power Station name - Location of Generating Unit - Production type - Voltage connection levels - Registered Capacity (MW) 	Generator	Week 24
14.1(c)	Total estimated schedule generation per Settlement Period of the following day provided in accordance with BC1.4.2 <ul style="list-style-type: none"> - Physical Notification 	Generator	In accordance with BC1.4.2

15.1(a)	Planned unavailability of a Generating Unit where OC2.4.7(e) (II) or OC2.4.7 (e) (III) applies <ul style="list-style-type: none"> - Power Station name - Generating Unit name - Location of Generating Unit - Registered Capacity (MW) - Production type - Available capacity during the event (MW) - Start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Shutdown . Other 	Generator	To be received by NGET as soon as possible but no later than 30 minutes after the decision regarding the planned unavailability is made
15.1(b)	Changes in actual availability of a Generating Unit where OC2.4.7 (f) (II) applies <ul style="list-style-type: none"> - Power Station name - Generating Unit name - Location of Generating Unit - Registered Capacity (MW) - Production type - Available capacity during the event (MW) - Start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Shutdown . Other 	Generator	To be received by NGET as soon as possible but no later than 30 minutes after the change in actual availability
15.1(c)	Planned unavailability of a Power Station where OC2.4.7(e) (I) or OC2.4.7 (e) (III) applies <ul style="list-style-type: none"> - Power Station name - Location of Generating Unit - Registered Capacity (MW) - Production type (i.e. fuel type) - Available capacity during the event (MW) - Start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Shutdown . Other 	Generator	To be received by NGET as soon as possible but no later than 30 minutes after the decision regarding the planned unavailability is made
15.1(d)	Changes in actual availability of a Power Station where OC2.4.7 (f) (I) applies <ul style="list-style-type: none"> - Power Station name - Location of Generating Unit - Registered Capacity (MW) - Production type - Available capacity during the event (MW) - Start date and time (dd.mm.yy hh:mm) - Estimated end date and time (dd.mm.yy hh:mm) - Reason for unavailability: <ul style="list-style-type: none"> . Maintenance . Shutdown . Other 	Generator	To be received by NGET as soon as possible but no later than 30 minutes after the change in actual availability

* Energy Identification Coding (EIC) is a coding scheme that has been developed, managed and maintained to facilitate cross-border exchanges and to efficiently and reliably identify different objects and parties relating to the Internal Energy Market (IEM) and its operations. It is approved by ENTSO-E for the harmonisation and implementation of standardised electronic data interchanges and is therefore utilised for reporting to the Central European Transparency Platform.

Annex 2 – ENTSO-E Production types

ENTSO-E production types and National Grid's equivalent

Type Number	ENTSO-E description	NG Code	NG Title
1	Biomass	OTHER	Undefined
2	Fossil Brown coal/Lignite	COAL	Coal Plant
3	Fossil Coal-derived gas	CCGT/ OCGT	Combined Cycle Gas Turbine/ Open Cycle Gas Turbine Plant
4	Fossil Gas	CCGT/ OCGT	Combined Cycle Gas Turbine/ Open Cycle Gas Turbine Plant
5	Fossil Hard coal	COAL	Coal Plant
6	Fossil Oil	OIL	Oil Plant
7	Fossil Oil shale	OIL	Oil Plant
8	Fossil Peat	COAL	Coal Plant
9	Geothermal	OTHER	Undefined
10	Hydro Pumped Storage	PS	Pumped Storage Plant
11	Hydro Run-of-river and poundage	NPSHYD	Non Pumped Storage Hydro Plant
12	Hydro Water Reservoir	NPSHYD	Non Pumped Storage Hydro Plant
13	Marine	OTHER	Undefined
14	Nuclear	NUCLEAR	Nuclear Plant
15	Other renewable	OTHER	Undefined
16	Solar	OTHER	Undefined
17	Waste	OTHER	Undefined
18	Wind Offshore	WIND	Power Park Modules metered by the Transmission Operator
19	Wind Onshore	WIND	Power Park Modules metered by the Transmission Operator
20	Other	OTHER	Undefined