

# Industry Consultation

## Grid Code and Distribution Code

# European Transparency Regulation Implementation (GC0083)

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This consultation document seek views on proposals to modify the Grid Code and the Distribution Code to facilitate the collection of data required for compliance with European Commission Regulation (EU) No 543/2013

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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:** 24 June 2014  
**Length of Consultation:** 20 Working Days  
**Responses by:** 21 July 2014

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***National Grid recommends:***

To implement the proposals in this consultation to allow stakeholders to efficiently discharge their obligations related to the European Transparency Regulation.

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***High Impact:***

None identified

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***Medium Impact:***

System Operator, Generators, Demand Customers

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***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 change required defect to within the Grid Code and the Distribution Code relating to the implementation of the European Transparency Regulations and seeks the views of interested parties in relation to the issues raised by this document.

Parties are requested to respond by 21 July **2014** to [grid.code@nationalgrid.com](mailto:grid.code@nationalgrid.com)

## Document Control

Version	Date	Author	Change Reference
1.0	19/03/2014	National Grid	Draft Industry Consultation
2.0	24/06/2014	National Grid	Industry Consultation

## 1. Executive Summary

- 1.1. The European Commission Regulation No 543/2013<sup>1</sup> (also known as the Transparency Regulation) came into force on 4<sup>th</sup> 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 for publication on a central European transparency platform<sup>2</sup> 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 these 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 P295<sup>3</sup> 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 REMIT<sup>4</sup>. 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 and to the Distribution 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.

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

<sup>2</sup> <http://www.entsoe.net/#RS>

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

<sup>4</sup> 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 reason for this Grid Code amendment proposal is to facilitate the provision and collection of additional data items under the EU Transparency Regulation for which there is no existing GB Grid Code requirement.
- 2.2. The Transparency Regulation is a legally binding EU regulation that came into force on 4<sup>th</sup> 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 decisions. 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.
- 2.3. 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.
- 2.4. 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 Central European Transparency Platform.
- 2.5. Twelve articles of the European Transparency Regulation (ETR) are related to data reporting requirements. These 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
- 2.6. 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.
- 2.7. Article 17 relating to Imbalance data will be met by Elexon on behalf of National Grid.
- 2.8. To ascertain what the requirements would be for the remaining articles, National Grid conducted a feasibility and analysis study of its existing collection processes. An Industry workshop was held on 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 and a corresponding follow-up report. There have also been two further Industry Workshops with another planned for 14 July 2014. It was concluded that to fully comply with the remaining articles of the Regulation, primary owners of data 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 demand units connected to both 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 European 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 unavailability is made. Similarly, unplanned unavailability of demand units would need to be published as soon as possible but no later than 1 hour after the actual change in availability 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 1<sup>st</sup> 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. Article 14.1(a) data will be 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 Platform<sup>5</sup>. A table with ENTSO-E production types and the equivalent used in the Electricity Ten Year Statement 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. Therefore 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 no later than one week before the first year to which the data refers. The information should refer to January 1<sup>st</sup> of each year for the following three 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 the planned unavailability of 100 MW or more of a single Generation Unit. This applies to events expected to last at least one settlement period for up to three years ahead (i.e. on a rolling basis). The data required is as follows:

- 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.

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[https://www.entsoe.eu/fileadmin/user\\_upload/library/resources/Transparency/131031\\_MoP\\_Master\\_for\\_ACER\\_opinion\\_v1.8.pdf](https://www.entsoe.eu/fileadmin/user_upload/library/resources/Transparency/131031_MoP_Master_for_ACER_opinion_v1.8.pdf)

- 2.24. The regulation defines a Generation Unit as ‘a single electricity generator belonging to a production unit’. This is equivalent to the Grid code definition of a Generating Unit. Note that where applicable, OC2 submissions to TOGA and any data submitted in fulfillment of the Transparency Regulation should be consistent.
- 2.25. Frequency of submission to the Transparency platform: Similarly to Article 7, the information is required to be published as soon as possible but no later than one hour after the decision regarding the planned unavailability 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 planned unavailability data of a Production unit with a capacity of 200 MW or more. This includes changes of 100MW or more in the planned availability 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 made 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 100MW or more in actual availability of a Production unit with a capacity of 200MW or more. 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 as soon as possible but no later than one hour after the event has happened.



## 3. Solution

- 3.1. In order to capture within the Grid Code the requirement for the submission of additional data items set out in this consultation, National Grid is proposing the following changes which are also set out in more detail below (in addition to minor changes to the Distribution Code):
- 2 new definitions within 'Glossary and Definitions';
  - two new paragraphs in the Operating Code as OC2.4.2.3 and OC2.4.7;
  - a new paragraph in the Planning Code as PC.A.3.4.3; and
  - additions to DRC Schedule 6.

### Definitions

- 3.2. Two new definitions will be added 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. ETR Availability Data defines the new data that is required to be submitted solely under Articles 7 and 14 of the Transparency Regulation and the Market Operation Data Interface System (MODIS) is a new Software system currently being developed by National Grid, in collaboration with industry parties, to allow the capture of information for the purpose of ETR.

### Article 7 and Article 15

- 3.4. To cater for Non Embedded Customers and generators, two new paragraphs (OC2.4.2.3 and OC2.4.7) will be added to the Operational Planning and Data Provision sections setting out what they are required to submit under Articles 7 and 15 respectively.
- 3.5. To cater for Embedded Customers it is proposed to make minor changes to the Distribution Code to remind affected customers that they have obligations under Article 7 of the Transparency Regulation to provide National Grid with the information they need to comply with their obligations. As there is a common driver for the changes, this consultation document includes the proposed changes to the Distribution Code as well as the Grid Code.
- 3.6. The proposed Grid Code legal text is contained in Annex 1 of this industry consultation.
- 3.7. The proposed Distribution Code legal text is contained in Annex 3 of this industry consultation.

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

#### Article 14

- 3.8. 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 forms 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 of when it is required, National Grid will not expect to change existing generator submission timescales.
- 3.9. For small scale generation however, National Grid currently does not receive the necessary information to comply with ETR. 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. A new paragraph, PC.A.2.2.8, will be added to the Planning Code to allow the alignment of generator's fuel type to ETR production type. Generators will be required to include this information as part of their week 24 submission effective from week 24 2015. PC.A.2.2.8 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.
- 3.11. 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.
- 3.12. In addition to the above changes, a new table will be added in DRC Schedule 6 – Users Outage Data. The table will contain:
- ETR article number;
  - Data description;
  - Name of the user providing data; and
  - Frequency of submission.
- 3.13. For clarity, the table will list the requirements (using GB terminology) of all the ETR articles where 3rd party data is required (existing and new) together with a reference to their associated Grid Code section. However, more detail of these requirements (based on the content of the Manual of Procedures documentation associated with Article 5 of the Transparency Regulation), as well as guidance on exactly how to submit the data to MODIS from an IS perspective, can be found in the ETR: NG – Market Interface Specification document attached as Annex 4 of this consultation.
- 3.14. The proposed Grid Code legal text can be found in Annex 1 of this consultation document.

## Article 8

- 3.15. 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.
- 3.16. 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 6 of the Data Registration Code
- 4.2. This consultation requires amendments to the following parts of the Distribution Code:
- DOC2.2 and DOC2.4

### Impact on National Electricity Transmission System (NETS)

- 4.3. None identified

### Impact on the Distribution Network Operators

- 4.4. None identified

### Impact on Grid Code Users

- 4.5. The proposed changes to the Grid Code will increase the work required by Generating and Demand units to supply information to National Grid

### Impact on Distribution Code Users

- 4.6. The proposed changes to the Distribution Code will increase the work required by Demand units connected to the Distribution Networks to supply information to National Grid

### Impact on Greenhouse Gas emissions

- 4.7. None identified

### Assessment against Grid Code Objectives

- 4.8. 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.*

## **Assessment against Distribution Code Objectives**

4.9. The proposal will better facilitate the Code objective to:

- (i) permit the development, maintenance, and operation of an efficient, co-ordinated, and economical system for the distribution 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) facilitate competition in the generation and supply of electricity

*The proposal has a neutral impact on this objective.*

- (iii) efficiently discharge the obligations imposed upon distribution licensees by the distribution licences and comply with the Regulation and any relevant legally binding decision of the European Commission and/or the Agency for the Co-operation of Energy Regulators.

*The proposed changes would allow demand customers and TSOs to discharge their obligations with regards to the European Transparency Regulation.*

## **Impact on core industry documents**

4.10. The proposed modification does not impact on any core industry documents.

## **Impact on other industry documents**

4.11. The proposed modification does not impact on any other industry documents.

## Implementation

- 4.12. National Grid proposes GC0083 should be implemented 10 business days after an Authority decision but no later than 4<sup>th</sup> 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 21 July 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](mailto:grid.code@nationalgrid.com)

- 5.2. Responses are invited to the following questions:

- (i) Are the proposed Code changes necessary given that the Transparency Regulations are directly applicable as European Law?
- (ii) Does the proposed Grid Code drafting implement the intended changes effectively?
- (iii) Does the proposed Distribution Code drafting implement the intended changes effectively?
- (iv) Do you believe that the proposal better facilitates the Grid Code objectives?
- (v) Do you believe that the proposal better facilitates Distribution Code objectives?
- (vi) Do you support the proposed implementation approach?
- (vii) Do you believe that the proposed timescales are appropriate?
- (viii) 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 Grid Code 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.

Note that where referenced below, 'Output Usable' OC2 submissions to TOGA and the Availability submissions to MODIS should be consistent, albeit MODIS submissions take place over faster timescales.

### Changes to the Grid Code: Glossary and Definitions

#### Market Operation Data Interface System (MODIS)

A computer system operated by **NGET** and made available for use by **Customers** connected to or using the **National Electricity Transmission System** for the purpose of submitting **EU Transparency Availability Data** to **NGET**.

#### EU Transparency

##### Availability Data

Such data as set out in **DRC** Schedule 6 (Users' Outage Data) 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 European Commission Regulation (EU) No. 543/2013 respectively (also known as the Transparency Regulation).

### Changes to the Grid Code: Operational Code

#### OC2.4.2 DATA REQUIREMENTS

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OC2.4.2.3 Under European Commission Regulation No. 543/2013, **Users** are required to submit certain data for publication on the Central European Transparency Platform managed by the European Network of Transmission System Operators for Electricity (ENTSO-E). **NGET** is required to facilitate the collection, verification and processing of data from **Users** for onward transmission to the Central European Transparency Platform.

Each **Generator** and each **Non-Embedded Customer** connected to or using the **National Electricity Transmission System** shall provide **NGET** with such information as required by and set out in **DRC** Schedule 6 (Users' Outage Data **EU Transparency Availability Data**) in the timescales detailed therein.....

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 Demand of 100MW or more, or a change to the planned unavailability of its Apparatus resulting in a change in Demand of 100MW or more, for one Settlement Period or longer; or
- b) a Non-Embedded Customer experiences a change in the actual availability of its **Apparatus** resulting in a change in Demand of 100MW or greater; or
- c) a **Generator** experiences a planned unavailability of a **Generating Unit** resulting in a reduction of 100MW or more in the **Output Usable** of that **Generating Unit** below its **Registered**

**Capacity**, which is expected to last one **Settlement Period** or longer and up to three years ahead; or

- d) a **Generator** experiences a change of 100MW or more in the Maximum Export Limit of a **Generating Unit** which is expected to last one **Settlement Period** or longer; or
- e) a **Generator** experiences a planned reduction of 100MW or more in its aggregated **Output Usable** below its **Registered Capacity** for a **Power Station** with a **Registered Capacity** of 200MW or more and which is expected to last one **Settlement Period** or longer and up to three years ahead, save where data has been provided pursuant to OC.2.4.7(c) above; or
- f) a **Generator** experiences a change of 100MW or more in the aggregated Maximum Export Limit of a **Power Station** with a **Registered Capacity** of 200MW or more, which is expected to last one **Settlement Period** or longer, save where data has been provided pursuant to OC.2.4.7(d) above;

such **Non-Embedded Customer** or **Generator** shall provide **NGET** with the **EU Transparency Availability Data** in accordance with **DRC** Schedule 6 (Users' Outage Data) using **MODIS** and, with reference to points OC2.4.7 (a) to (f), EU Transparency Regulation articles 7.1(a), 7.1(b), 15.1(a), 15.1.(b), 15.1(c) and 15.1(d) respectively.



## PART 1 - STANDARD PLANNING DATA

### PC.A.3.4 General Generating Unit Power Park Module and DC Converter Data

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PC.A.3.4.3 Each **Generator** shall supply **NGET** with the production type(s) used as the primary source of power in respect of each **Generating Unit**, 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 6 – USERS OUTAGE INFORMATION**

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**EU Transparency Availability Data**

The data below is to be provided to **NGET** as required for compliance with the European Commission Regulation No 543/2013 (OC2.4.2.3). Data provided under Article Numbers 7.1(a), 7.1(b), 15.1(a), 15.1(b), and 15.1(c) and 15.1(d) is to be provided using **MODIS**.

<b>ECR ARTICLE No.</b>	<b>DATA DESCRIPTION</b>	<b>USERS PROVIDING DATA</b>	<b>FREQUENCY OF SUBMISSION</b>
<b>7.1(a)</b>	<p>Planned unavailability of the <b>Apparatus</b> belonging to a <b>Non-Embedded Customer</b> where OC2.4.7 (a) applies</p> <ul style="list-style-type: none"> <li>- Energy Identification Code (EIC)*</li> <li>- Unavailable demand capacity during the event (MW)</li> <li>- Estimated start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below:                             <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Failure</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Non-Embedded Customer</b>	To be received by <b>NGET</b> as soon as reasonably possible but no later than 45 minutes after a <b>binding decision has been made by the Non-Embedded Customer</b> regarding the planned unavailability
<b>7.1(b)</b>	<p>Changes in actual availability of the <b>Apparatus</b> belonging to a <b>Non-Embedded Customer</b> where OC2.4.7 (b) applies</p> <ul style="list-style-type: none"> <li>- Energy Identification Code (EIC)*</li> <li>- Unavailable demand capacity during the event (MW)</li> <li>- Start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below :                             <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Failure</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Non-Embedded Customer</b>	To be received by <b>NGET</b> as soon as reasonably possible but no later than 45 minutes after the change in actual availability
<b>8.1</b>	<p>Year Ahead Forecast Margin information as provided in accordance with OC2.4.1.2.2</p> <ul style="list-style-type: none"> <li>- <b>Output Usable</b></li> </ul>	<b>Generator</b>	In accordance with OC2.4.1.2.2
<b>14.1(a)</b>	<p>Annual <b>Registered Capacity</b> for <b>Generating Units</b> with greater than 1 MW <b>Registered Capacity</b> provided in accordance with PC.4.3.1 and PC.A.2.2.8 or PC.A.3.1.4</p> <ul style="list-style-type: none"> <li>- <b>Registered Capacity</b> (MW)</li> <li>- Production type</li> </ul>	<b>Generator</b>	Week 24
<b>14.1(b)</b>	<p>Annual <b>Power Station Registered Capacity</b> for units with equal or greater than 100 MW <b>Registered Capacity</b> provided in accordance with PC.4.3.1 and PC.A.2.2.8</p> <ul style="list-style-type: none"> <li>- <b>Power Station</b> name</li> <li>- Location of <b>Generating Unit</b></li> <li>- Production type (from that listed under PC.A.2.2.8)</li> <li>- Voltage connection levels</li> <li>- <b>Registered Capacity</b> (MW)</li> </ul>	<b>Generator</b>	Week 24
<b>14.1(c)</b>	<p>Estimated output of <b>Active Power</b> of a <b>BM Unit</b> or <b>Generating Unit</b> for each per <b>Settlement Period</b> of the following day provided in accordance with BC1.4.2</p> <ul style="list-style-type: none"> <li>- <b>Physical Notification</b></li> </ul>	<b>Generator</b>	In accordance with BC1.4.2

15.1(a)	Planned unavailability of a <b>Generating Unit</b> where OC2.4.7(c) applies <ul style="list-style-type: none"> <li>- <b>Power Station</b> name</li> <li>- <b>Generating Unit</b> name</li> <li>- Location of <b>Generating Unit</b></li> <li>- <b>Generating Unit Registered Capacity</b> (MW)</li> <li>- Production type (from that listed under PC.A.2.2.8)</li> <li>- <b>Output Usable</b> (MW) during the event</li> <li>- Start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below: <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Generator</b>	To be received by <b>NET</b> as soon as reasonably possible but no later than 45 minutes after a binding decision has been made by the <b>Generator</b> regarding the planned unavailability
15.1(b)	Changes in availability of a <b>Generating Unit</b> where OC2.4.7 (d) applies <ul style="list-style-type: none"> <li>- <b>Power Station</b> name</li> <li>- <b>Generating Unit</b> name</li> <li>- Location of <b>Generating Unit</b></li> <li>- <b>Generating Unit Registered Capacity</b> (MW)</li> <li>- Production type (from that listed under PC.A.2.2.8)</li> <li>- Maximum Export Limit (MW) during the event</li> <li>- Start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below: <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Generator</b>	To be received by <b>NET</b> as soon as reasonably possible but no later than 45 minutes after the change in actual availability
15.1(c)	Planned unavailability of a <b>Power Station</b> where OC2.4.7(e) applies <ul style="list-style-type: none"> <li>- <b>Power Station</b> name</li> <li>- Location of <b>Power Station</b></li> <li>- <b>Power Station Registered Capacity</b> (MW)</li> <li>- Production type (from that listed under PC.A.2.2.8)</li> <li>- <b>Power Station</b> aggregated <b>Output Usable</b> (MW) during the event</li> <li>- Start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below: <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Generator</b>	To be received by <b>NET</b> as soon as reasonably possible but no later than 45 minutes after a binding decision has been made by the <b>Generator</b> regarding the planned unavailability
15.1(d)	Changes in actual availability of a <b>Power Station</b> where OC2.4.7 (f) applies <ul style="list-style-type: none"> <li>- <b>Power Station</b> name</li> <li>- Location of <b>Power Station</b></li> <li>- <b>Power Station Registered Capacity</b> (MW)</li> <li>- Production type</li> <li>- <b>Power Station</b> aggregated Maximum Export Limit (MW) during the event</li> <li>- Start date and time (dd.mm.yy hh:mm)</li> <li>- Estimated end date and time (dd.mm.yy hh:mm)</li> <li>- Reason for unavailability from the list below: <ul style="list-style-type: none"> <li>. Maintenance</li> <li>. Shutdown</li> <li>. Other</li> </ul> </li> </ul>	<b>Generator</b>	To be received by <b>NET</b> as soon as reasonably possible but no later than 45 minutes after the change in actual availability

\* Energy Identification Coding (EIC) is a coding scheme that is approved by ENTSO-E for standardised electronic data interchanges and is utilised for reporting to the Central European Transparency Platform.

## Annex 2 – ENTSO-E Production types

ENTSO-E production types and the Electricity Ten Year Statement 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 Plan
4	Fossil Gas	CCGT/ OCGT	Combined Cycle Gas Turbine/ Open Cycle Gas Turbine Plan
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

## Annex 3 – Proposed Distribution Code 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 Distribution Code Issue 21.

### DOC2.2 Objectives

The objectives of this **Distribution Operating Code** are:

- (a) To set out the **DNO's Operational Planning** procedure and a typical timetable for the co-ordination of outage requirements of **Plant** and **Apparatus** to be provided by **Users** to enable the **DNO** to operate the **DNO's** Distribution System.
- (b) To specify the information to be provided by **Users** to the **DNO** to enable the **DNO** to comply with its obligations under the **Grid Code**.
- (c) To provide guidance for **High Voltage Customers** on how to comply with their obligations under Article 7 of the European Transparency Regulations (The European Commission Regulation No 543/2013) to provide information to **NGC** in their role as Transmission System Operator.

### DOC2.4 Information Flow and Co-ordination

#### DOC2.4.1 Embedded Generators

Information relating to **Embedded Generating Plant** where the **DNO** reasonably considers it appropriate whose **Registered Capacity** is greater than 5MW, or 1MW in the case of renewable generating plant in Scotland and **Embedded Transmission System** shall where reasonably required by the **DNO** be provided by the **User** directly to the **DNO**. This may include a **Customer With Own Generation** where the **DNO** considers it appropriate.

#### DOC2.4.2 High Voltage Customers

In the event that:

a) a **High Voltage Customer** experiences the planned unavailability of its **Apparatus** resulting in the reduction of **Demand** of 100MW or more, or a change to the planned unavailability of its **Apparatus** resulting in a change in **Demand** of 100MW or more, for one **Settlement Period** or longer; or

b) a **High Voltage Customer** experiences a change in the actual availability of its **Apparatus** resulting in a change in **Demand** of 100MW or greater,

such a **High Voltage Customer** shall provide **NGC** with the information required from a Non-Embedded Customer specified in

**Grid Code OC2.4.2.3 and Grid Code DRC Schedule 6 in a format and timescales agreed with NGC.**

**DOC2.4.3 Other Plant and Apparatus**

Information relating to all Plant and Apparatus connected to the DNO's Distribution System, or that which may affect its Operation, shall be co-ordinated with the DNO.

## Annex 4 – ETR: NG – Market Interface Specification

The following document specifies the interface details and report specification required for the ETR project, and provides a detailed breakdown of the data required to build reports to be exchanged between Market Participant and National Grid.

<http://www2.nationalgrid.com/UK/Industry-information/Europe/ETR-E-Modis/>