

10 May 2023

EirGrid GCRP Meeting

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EirGrid GCRP Agenda

1. INTRODUCTION: 15 mins

- a. Welcome to Members;
- b. Minutes and Actions from [Previous Meeting](#) (09 November 2023).

2. PROPOSAL: 40 mins

- a. MPID 306 Individual Demand Site Definition;
- b. MPID 304 Incorporation of ESPS as per implementation note;
- c. MPID 307 Housekeeping Various Definitions;
- d. MPID 308 Housekeeping Various Clauses.

1. UPDATES: 20 mins

- a. Offshore PPM Requirements Incorporation;
- b. Grid Code Derogations;
- c. CRU.

1. AOB. 5 mins



10/05/2023

MPID 306 Individual Demand Site Agreements and associated definitions.



10/05/2023

MPID 304

Incorporation of ESPS as per implementation note.



10/05/2023

MPID 307

Housekeeping

Various Definitions



MPID 307 Housekeeping Various Definitions

- Several housekeeping style errors have come to our attention in Grid Code version 12.
- The TSO propose to fix those errors that span various definitions in the definitions table.

MPID 307 Housekeeping Various Definitions

| Definition | Error | Red Line Version Text |
|-------------------------------|---|---|
| | | Deleted text in strike-through red font and new text highlighted in blue font |
| Connection Date | Definition uses an undefined term ‘User’s Equipment’. We have replaced that with ‘User’s Plant and/or Apparatus’, these are defined terms and used throughout the code. | The date on which the Commissioning Instructions have to the TSO’s satisfaction been properly implemented in respect of every part of the User’s Equipment User’s Plant and/or Apparatus , following which the TSO shall, as soon as reasonably practicable notify the User to that effect, specifying the date of completion of such implementation. |
| Commissioning Test | As above. | Testing of a CDGU, Controllable PPM, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units, Interconnector or an item of User’s Equipment User’s Plant and/or Apparatus required pursuant to the Connection Conditions prior to connection or re-connection in order to determine whether or not it is suitable for connection to the System and also to determine the new values of parameters to apply to it following a material alteration or modification of a CDGU, Controllable PPM, Pumped Storage Plant Demand, Demand Side Units, Aggregated Generating Units, Interconnector or of an item of User’s Equipment User’s Plant and/or Apparatus and the term “ Commissioning Testing ” shall be construed accordingly. |
| Inter-jurisdictional Tie Line | The first use of ‘transmission system’ in this definition is not bolded, even though it is a defined term. | The lines, facilities and equipment that connect the transmission system Transmission System of the Republic of Ireland to the transmission system of Northern Ireland. |

MPID 307 Housekeeping Various Definitions

| Definition | Error | Red Line Version Text |
|-------------------------|--|---|
| | | Deleted text in strike-through red font and new text highlighted in blue font |
| Simultaneous Tap Change | The use of 'generator' in this definition is not bolded, even though it is a defined term. | A tap change implemented on the generator Generator step-up transformers of CDGUs , effected by Generators in response to a Dispatch Instruction from the TSO issued simultaneously to the relevant Power Stations . The Dispatch Instruction , which is normally preceded by advance warning, must be effected within 1 minute of receipt from the TSO of the Dispatch Instruction . |
| Spin Pump | To be more specific we have included 'Pumped Storage' to the second reference of 'Unit'. The term 'Unit' is not a defined term in isolation. | A mode of operation of a Pumped Storage Unit which is intermediate between the Pumped Storage Unit being at standstill and pumping. |

10/05/2023

MPID 308

Housekeeping

Various Clauses

10 May 2023



MPID 308 Housekeeping Various Clauses

- Several housekeeping style errors have come to our attention in Grid Code version 12.
- The TSO propose to fix these errors that span various clauses.

MPID 308 Housekeeping Various Clauses

| Clause | Error | Red Line Version Text |
|---------|---|---|
| | | <i>Deleted text in strike-through-red font and new text highlighted in blue font</i> |
| OC.11.3 | Clause OC.11.3 incorrectly refers to the Distribution System Operator as the Distributor System Operator. | OC11 applies to the TSO and to the following Users : <ul style="list-style-type: none">a) Generators;b) Interconnector Operators;c) the Distributor Distribution System Operator;d) Demand Customers;e) Demand Side Unit Operators;f) the TAO; andg) agents of the TSO or agents of any User (as defined in OC11.3 (a), (b), (c) and (d)). |

MPID 308 Housekeeping Various Clauses

| Clause | Error | Red Line Version Text |
|-------------------------|--|---|
| | | <i>Deleted text in strike-through-red font and new text highlighted in blue font</i> |
| PC.A5.8 | A number of errors have been identified in clause PC.A5.8. We propose to correct the referencing and formatting errors. | Grid connection—transformer Connected Transformer of of Controllable PPM Provide details of the transformer that connects the Controllable PPM site with the Distribution/Transmission System (equivalent to the (equivalent to the Generator Transformer of a of a conventional power station) conventional Power Station). This shall include but is not limited to rating of grid transformer (MVA or kVA), transformer Voltage ratio (kV), transformer impedance (%), transformer tap changing control and no-load losses. |
| Acronyms LV, MV and HV. | These acronyms are referenced throughout the Grid Code. Some of the references are bolded and others are not. We proposed fixing this inconsistency by un-bolding all references to LV, MV and HV. These acronyms are not defined terms. | We will ensure that all references to LV, MV and HV are not bolded in the next version of the Grid Code. |

Offshore PPMs



Offshore PPM Requirements Incorporation - Approach

A Grid Code Modification has been drafted which incorporates the requirements for Phase 1 offshore PPMs.

This Modification is based on:

- Offshore PPMs being a subset of PPMs;
- The existing Grid Code requirements for wind-powered PPMs;
- The RfG requirements for Offshore PPMs; and
- The offshore PPM philosophy document, issued August 2022.

Offshore PPM Requirements Incorporation – Key Definitions

Offshore Connection Transformer:

A transformer located on an offshore platform, forming part of the **Plant and Apparatus** of the **Transmission System**, providing the connection between an **Offshore PPM** and the **Network**.

Offshore PPM:

A **Controllable PPM** that has a single **Connection Point** on an offshore platform to the **Transmission System**.

Offshore PPM Requirements Incorporation – Overview of requirements

The requirements for Offshore PPMs are the same as those for onshore PPMs insofar as was possible.

The Active Power requirements for Offshore PPMs are the same as those of onshore PPMs:

- Ramp Rates;
- Operating Reserves.

The Reactive Power requirements for Offshore PPMs are different from those of onshore PPMs. Offshore PPMs will be required to operate at at least unity power factor. The reason for this is to avoid the need for additional reactive power compensation plant on the offshore platform.

Offshore PPM Requirements Incorporation – Next steps:

- **17 May** – Return of comments on the “Comment Log” (as circulated 24 April by EirGrid) from offshore developers;
- **Week commencing 22 May** – engagement between offshore developers and EirGrid (MR to arrange the necessary meeting);
- **28 June** – GCRP Meeting for Offshore PPM Incorporation Modification Proposal;
- **12 July** – Issue GCRP meeting minutes;
- **03 August** – Submission of recommendation paper to the CRU.

10/05/2023

Derogations



Derogation Update

Total

- Under Assessment 175
- With CRU for Review
 - Total 139
 - Not Expired 88

Since 09/11/2022

- Approved by CRU 3
- Sent to CRU 18
- Submitted to TSO 6

10/05/2023

CRU Update



AOB

Meeting Minutes will be issued by 24 May 2023