Grid Code Modification Recommendation Form

Title of Recommended Proposal: MPID 325 Justification for Development of PPM1

MPID: 325

Date:	20/11/2024
Recommended at GCRP Meeting No.:	GCRP Meeting 24/09/2024
Grid Code Version:	Version 14.2
Grid Code Section(s) Impacted by Recommended Proposal:	PPM1.1

The Reason for the Recommended Modification:

The purpose of the proposed modification is to:

1. Clarify that **Controllable PPMs** do not have the same characteristics as synchronous generators, without the need to invoke or modify the definition of a **Generation Unit**; and
2. Simplify the explanation why new **Grid Code** provisions for **Controllable PPMs** have been created.

*Grid Code v14 PPM1.1: "Since **Generation Units** do not have the same characteristics as synchronous generators, …"*

Comment: As per its definition, a **Generation Unit** may be a **CCGT Installation**, which most certainly has the same characteristics as a synchronous generator since a **CCGT Installation** uses a synchronous generator. Therefore, removal of the term **Generation Unit** is proposed, with new wording concentrating on **Controllable PPMs** exclusively.

History of Progression through GCRPs, Working Group and/or Consultation:

MPID 325 was presented as a proposal at the EirGrid GCRP meeting, 24 September 2024.

No comments or objections were raised from the GCRP members.

The Grid Code modification was fully supported for issue to the CRU for their approval.

Summary Note of any Objections to the Recommended Change from GCRP Members or Consultation Responses:

No objections were raised at the meeting.

Outcome of any GCRP Meeting Actions Relating to the Recommended Modification:

No actions were raised at the meeting.

Red-line Version of Impacted Grid Code Section(s) - show recommended changes to text:
Deleted text in ~~strike-through red font~~ and new text highlighted in blue font

PPM1.1 All **Generators** connecting to the **Transmission System** are required to comply with the **Grid Code**. The **Grid Code** was originally developed with synchronous generators in mind. ~~Since **Generation Units** do not have the same characteristics as synchronous generators, it was considered appropriate to develop a new set of **Grid Code** provisions specifically for **Controllable PPMs**.~~ It was considered appropriate to develop a new set of **Grid Code** provisions specifically for **Controllable PPMs**, since they do not have the same characteristics as synchronous generators. This section of the **Grid Code** gives the specific requirements for **Controllable PPMs** and **PPM Extensions** to pre-existing **Controllable PPMs** where an extension to a **PPM** shall be classified as one of the following two types:

Green-line Version of Impacted Grid Code Sections – show recommended final text:

PPM1.1 All **Generators** connecting to the **Transmission System** are required to comply with the **Grid Code**. The **Grid Code** was originally developed with synchronous generators in mind. It was considered appropriate to develop a new set of **Grid Code** provisions specifically for **Controllable PPMs**, since they do not have the same characteristics as synchronous generators. This section of the **Grid Code** gives the specific requirements for **Controllable PPMs** and **PPM Extensions** to pre-existing **Controllable PPMs** where an extension to a **PPM** shall be classified as one of the following two types: