

Grid Code Modification Proposal Form

Email to gridcode@eirgrid.com



Title of Modification Proposal: Justification for Development of PPM1

MPID (EirGrid Use Only):

Date:	21-May-2024		
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Grid Code Version:	14		
Grid Code Section(s) Impacted by Modification Proposal:	PPM1.1		

Modification Proposal Justification:

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.

Red-line Version of Impacted Grid Code Section(s) - show proposed changes to text:

Deleted text in *strike-through red font* and new text highlighted in *blue font*

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 Section(s) - show proposed final text:

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: