

**Grid Code
Modification Recommendation Form**



Title of Recommended Proposal:

MPID 309 Connection Condition Requirements for PPMs

Date:	01/08/2023
Recommended at GCRP Meeting No.:	The modification was presented at the Ireland GCRP Meeting dated 28 June 2023.
Grid Code Version:	12
Grid Code Section(s) Impacted by Recommended Proposal:	PPM1.3.2

The Reason for the Recommended Modification:

At the Grid Code Review Panel meeting on 09 November 2022, panel member Peter King (Non-Synchronous Renewable Generators) put forward a consideration for a future modification in relation to clause PPM1.3.2, which outlines the Grid Code sections that PPMs are required to comply with. Contained within this clause is a list of the Connection Condition clauses that PPMs are excluded from.

Peter King raised the point that this exclusion list is incomplete, as it appears to omit certain Connection Condition clauses that PPMs are not required to comply with. EirGrid agreed to examine this list, and identified the following changes:

- CC.7.3.1.1 (ee) and (ff) will be added to the exclusion list, as all PPMs are excluded from the requirement to be capable of starting up on Secondary Fuel, and subsequently from the requirement to stock Secondary Fuel;
- CC.7.3.1.3 will be added to the exclusion list, as the clause reads '*Users shall install Generation Unit governors that comply with OC.4.3.4.*', and PPMs are excluded from clause OC.4.3.4 on Frequency Response Systems;
- CC.7.3.3 and CC.7.3.4 will be added to the exclusion list, as PPMs are not required to provide Control Synchronising.
- CC.7.4 and CC.7.5 will be added to the exclusion list, as they refer to requirements specific to Demand Side Units and Interconnectors respectively, not PPMs.

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

On the 28 June 2023 this modification proposal was presented to the EirGrid GCRP members.

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

No objections were raised by the GCRP members.

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

No actions were raised at the meeting.

A Table Outlining the Proposed Changes:

Clause	Error	Red Line Version Text <i>Deleted text in strike-through red font and new text highlighted in blue font</i>	Green Line Version Text
PPM1.3.2	Clause PPM1.3.2 lists the sections of the Grid Code which PPMs must comply with. It has been identified that the list of exclusions within PPM1.3.2 was incomplete and the purpose of the modification proposal is to correct this error.	In addition to PPM1, Controllable PPMs and Energy Storage Power Station Demand are required to comply with the following sections of the Grid Code : <ul style="list-style-type: none">• GC - General Conditions• PC - Planning Code• PCA – Planning Code Appendix• CC- Connection Conditions excluding:<ul style="list-style-type: none">○ CC.7.2.5.1○ CC.7.2.5.2○ CC.7.3.1.1 (a) to (h), and (j) to (u), and (y) and (dd) to (ff)○ CC.7.3.1.2	In addition to PPM1, Controllable PPMs and Energy Storage Power Station Demand are required to comply with the following sections of the Grid Code : <ul style="list-style-type: none">• GC - General Conditions• PC - Planning Code• PCA – Planning Code Appendix• CC- Connection Conditions excluding:<ul style="list-style-type: none">○ CC.7.2.5.1○ CC.7.2.5.2○ CC.7.3.1.1 (a) to (h), (j) to (u), (y) and (dd) to (ff)○ CC.7.3.1.2

		<ul style="list-style-type: none"> ○ CC.7.3.1.3 ○ CC.7.3.3 ○ CC.7.3.4 ○ CC.7.3.5 ○ CC.7.3.6 ○ CC.7.3.7 ○ CC.7.3.8 ○ CC.7.4 ○ CC.7.5 ○ CC.12.2 ○ CC.12.3 • OC.1 • OC.2 • OC.4 excluding: <ul style="list-style-type: none"> ○ OC.4.3.4 ○ OC.4.4.5.3 ○ OC.4.4.5.4 ○ OC.4.4.5.5 • OC.6 • OC.7 excluding <ul style="list-style-type: none"> ○ OC.7.2.4.2 • OC.8 • OC.9 • OC.10 excluding <ul style="list-style-type: none"> ○ OC.10.5.7 ○ OC.10.7.1 ○ OC.10.7.2 ○ OC.10.7.3 ○ OC.10.7.4 ○ OC.10.7.6 ○ OC.11 ○ SDC1 <p>Dispatchable PPMs and Energy Storage Power Station Demand are also required to comply with SDC2.</p>	<ul style="list-style-type: none"> ○ CC.7.3.1.3 ○ CC.7.3.3 ○ CC.7.3.4 ○ CC.7.3.5 ○ CC.7.3.6 ○ CC.7.3.7 ○ CC.7.3.8 ○ CC.7.4 ○ CC.7.5 ○ CC.12.2 ○ CC.12.3 • OC.1 • OC.2 • OC.4 excluding: <ul style="list-style-type: none"> ○ OC.4.3.4 ○ OC.4.4.5.3 ○ OC.4.4.5.4 ○ OC.4.4.5.5 • OC.6 • OC.7 excluding <ul style="list-style-type: none"> ○ OC.7.2.4.2 • OC.8 • OC.9 • OC.10 excluding <ul style="list-style-type: none"> ○ OC.10.5.7 ○ OC.10.7.1 ○ OC.10.7.2 ○ OC.10.7.3 ○ OC.10.7.4 ○ OC.10.7.6 ○ OC.11 ○ SDC1 <p>Dispatchable PPMs and Energy Storage Power Station Demand are also required to comply with SDC2.</p>
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		<p>In the Grid Code, where applicable, for the purposes of Controllable PPMs references to Generation Unit or Generator should be interpreted to mean Controllable PPM.</p> <p>For the avoidance of doubt, within PPM1, references to Controllable PPM and PPM also include Energy Storage Power Station Demand.</p>	<p>In the Grid Code, where applicable, for the purposes of Controllable PPMs references to Generation Unit or Generator should be interpreted to mean Controllable PPM.</p> <p>For the avoidance of doubt, within PPM1, references to Controllable PPM and PPM also include Energy Storage Power Station Demand.</p>
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