

**Grid Code
Modification
Recommendation Form**



Title of Recommended Proposal:

MPID 298 Housekeeping Modification

Date: 18/02/2022

Recommended at GCRP Meeting No.: The modification was presented at the Ireland GCRP Meeting dated 02 November 2021.

Grid Code Version: 9

Grid Code Section(s) Impacted by Recommended Proposal:
Definition – Pumped Storage Mode
CC.10.9.5
CC.10.9.6
OC.8.1.2
OC.9.4.1
OC.10.7.3.3
CC.7.2.1.3

The Reason for the Recommended Modification:

The Grid Code is a living document and while using the document several errors have come to our attention. The TSO would like to propose a fix to those errors that span various clauses throughout the code itself.

A table below outlines the clause, the error, the red-line version of the text and the green-line version of the text.

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

On the 02 November 2021 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
Definition – Pumped Storage Mode	Grid Code version 1 and every other version of the Grid Code since then has included a definition for Pumped Storage Mode as set out in the Red Line Version column. We propose removing the word ‘including’.	A mode of operation of a Pumped Storage Unit including	A mode of operation of a Pumped Storage Unit .
CC.10.9.5	Removal of a stranded bulletin point (d).	(a) The TSO shall specify the schemes and settings	(a) The TSO shall specify the schemes and settings

		<p>necessary to protect the Transmission System, taking into account the characteristics of the Generation Units. The protection schemes needed for the Generation Units and the Transmission System as well as the settings relevant to the Generation Units shall be coordinated and agreed between the TSO and the Generator. The protection schemes and settings for internal electrical faults must not jeopardise the performance of a Generation Unit.</p> <p>(b) Electrical protection of the Generation Units shall take precedence over operational controls, taking into account the security of the system and the health and safety of staff and of the public, as well as mitigating any damage to the Generation Units.</p> <p>(c) Changes to the protection schemes needed for the Generation Unit and the Transmission System and to the settings relevant to the Generation Unit shall be agreed between the TSO and the Generation Unit.</p> <p>(d)</p>	<p>necessary to protect the Transmission System, taking into account the characteristics of the Generation Units. The protection schemes needed for the Generation Units and the Transmission System as well as the settings relevant to the Generation Units shall be coordinated and agreed between the TSO and the Generator. The protection schemes and settings for internal electrical faults must not jeopardise the performance of a Generation Unit.</p> <p>(b) Electrical protection of the Generation Units shall take precedence over operational controls, taking into account the security of the system and the health and safety of staff and of the public, as well as mitigating any damage to the Generation Units.</p> <p>(c) Changes to the protection schemes needed for the Generation Unit and the Transmission System and to the settings relevant to the Generation Unit shall be agreed between the TSO and the Generation Unit.</p>
<p>CC.10.9.6</p>	<p>Removal of a stranded bulletin point (vi).</p>	<p>The Generator shall organise its protection and control devices in accordance with the following priority ranking (from highest to lowest):</p> <ul style="list-style-type: none"> (i) Transmission System and Generation Unit protection; (ii) Synthetic inertia (if applicable); (iii) Frequency Control; 	<p>The Generator shall organise its protection and control devices in accordance with the following priority ranking (from highest to lowest):</p> <ul style="list-style-type: none"> (i) Transmission System and Generation Unit protection; (ii) Synthetic inertia (if applicable); (iii) Frequency Control; (iv) Power restriction; and

		<ul style="list-style-type: none"> (iv) Power restriction; and (v) Power gradient constraint. (vi) 	<ul style="list-style-type: none"> (v) Power gradient constraint.
OC.8.1.2	The term generation is a defined term.	<p>By their nature, Operational Tests may impinge on either or both of:</p> <ul style="list-style-type: none"> (a) the TSO's responsibilities in respect of the Transmission System, including Dispatch of generation Generation, Interconnectors and Demand Side Unit MW Availability; and (b) the operations of Users and the quality and continuity of supply of electricity to Users. 	<p>By their nature, Operational Tests may impinge on either or both of:</p> <ul style="list-style-type: none"> (a) the TSO's responsibilities in respect of the Transmission System, including Dispatch of Generation, Interconnectors and Demand Side Unit MW Availability; and (b) the operations of Users and the quality and continuity of supply of electricity to Users.
OC.9.4.1	The term Generator is a defined term.	<p>In the event of a System Emergency Condition or imminent shortfall of MW capacity, the TSO may issue any of several Alerts to the Generator Generator, key Transmission Stations, Distribution Control Centres and Demand Side Unit Operators. These Alerts may include an Amber Alert, Red Alert or Blue Alert, or other Alerts as may be agreed from time to time.</p>	<p>In the event of a System Emergency Condition or imminent shortfall of MW capacity, the TSO may issue any of several Alerts to the Generator, key Transmission Stations, Distribution Control Centres and Demand Side Unit Operators. These Alerts may include an Amber Alert, Red Alert or Blue Alert, or other Alerts as may be agreed from time to time.</p>

<p>OC.10.7.3.3</p>	<p>The following terms are defined terms: Generator Interconnector Operator Demand Side Unit Operator Generator Aggregator Availability SEM Trading and Settlement Code.</p> <p>The term “Declared” should not be capitalised</p>	<p>The economic consequence of non-compliance by a Generator Generator, Interconnector Operator Interconnector Operator, Demand Side Unit Operator Demand Side Unit Operator or Generator Aggregator Generator Aggregator with Declared Availability declared Availability will be addressed in the SEM Trading and Settlement Code SEM Trading and Settlement Code and other agreements as appropriate.</p>	<p>The economic consequence of non-compliance by a Generator, Interconnector Operator, Demand Side Unit Operator or Generator Aggregator with declared Availability will be addressed in the SEM Trading and Settlement Code and other agreements as appropriate.</p>
<p>CC.7.2.1.3</p>	<p>The spelling of disconnects is incorrect.</p>	<p>Each User’s earth disconnects must be earthed directly to the main station earth grid.</p>	<p>Each User’s earth disconnects must be earthed directly to the main station earth grid.</p>