

**Grid Code  
Modification  
Recommendation Form**



**Title of Recommended Proposal:  
Incorporation of Battery ESPS Grid Code Implementation Note**

**MPID: 304**

<b>Date:</b>	15 June 2023
<b>Recommended at GCRP Meeting No.:</b>	10 May 2023
<b>Grid Code Version:</b>	Version 11
<b>Grid Code Section(s) Impacted by Recommended Proposal:</b>	PPM1.4.1, PPM1.5.2.1, PPM1.5.2.2, PPM1.5.3.1, PPM1.5.3.2, PPM1.5.3.3, PPM1.5.3.4, PPM1.5.3.5, PPM1.5.3.6, PPM1.5.3.7, PPM1.5.3.10, PPM1.5.3.15, PPM1.5.4.1, PPM1.5.4.2, PPM1.6.1, PPM1.6.3.1, PPM1.7.1, PPM1.7.1.1, PPM1.7.1.3.5, PPM1.7.1.5, PPM1.7.2.3, PPM1.7.2.5, Definitions

**The Reason for the Recommended Modification:**  
The purpose of this modification recommendation is to incorporate all relevant Grid Code elements from version 3 of EirGrid’s [Battery ESPS Grid Code Implementation Note](#) into the Grid Code. This modification is limited in scope to the contents of that implementation note. This modification does not include a review of the entire Grid Code in relation to Battery Energy Storage Power Stations (ESPS) incorporation.

Battery ESPPs are classified as Power Park Modules (PPM) in the Grid Code. ESPPs with a registered capacity greater than 1 MW must be controllable and dispatchable.

The Battery ESPP Grid Code Implementation Note reviewed only the PPM and Definition sections of the Grid Code and stated whether each clause applied, did not apply or required variations in order to apply to Battery ESPPs. For clauses that required variation, those variations were described in detail. This modification recommendation will incorporate those requirements directly into the Grid Code, therefore formalising arrangements that are already in practice. Once approved and incorporated into the Grid Code, the Grid Code elements of the Battery ESPP Grid Code Implementation Note will no longer be required, and the note will be removed from the EirGrid website.

Exclusions from Implementation Note Version 3:  
The scope of this modification is limited to the contents of the Battery ESPP Grid Code Implementation Note, Grid Code PPM section and Grid Code Definitions section only.

The Battery ESPP Grid Code Implementation Note version 3 gives a description of “Pre-Agreed Charging”. Pre-Agreed Charging was not deemed appropriate for inclusion in this modification. Pre-Agreed Charging is a temporary operational measure that was included in version 3 to give guidance to industry, not necessarily to advise on Grid Code alterations. Also, the Pre-Agreed Charging criteria may undergo amendments before an enduring TSO operational solution is available.

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

Version 1 of the Battery ESPS Grid Code Implementation Note was first published in June 2019. Industry feedback was collected and used to develop version 2 in June 2020 and version 3 published in December 2021. All versions of the Battery ESPS Implementation Note were published online and have been visible to stakeholders.

MPID 304 was presented to the GCRP meeting on 9 November 2022. The Energy Storage representative asked for additional time to review the proposed modification and a period of 2 weeks was agreed. On 29 November 2022 Energy Storage Ireland (ESI) submitted a list of comments to EirGrid regarding MPID 304. Through a series of discussions, PPM1.5.4.1 Capacity Limited Ramp Rate of 1% to 100% of Registered Capacity per minute was identified as the most significant concern for ESI. Since then, EirGrid and ESI have collaboratively developed a revised Capacity Limited Ramp Rate range which forms part of this revised version of MPID 304. It was also agreed that this requirement would be reviewed six months after the approval of MPID 304 by the CRU, if requested by the TSO or industry. All other changes within revised version of MPID 304 were minor and were intended for the purpose of clarification.

The revised MPID 304 was presented by EirGrid to the panel members at the Ireland GCRP meeting held on 10 May 2023. No objections were raised, and the members recommended that the TSO issue the modification proposal to the CRU for their final decision.

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

No objections were made by the members and no changes were recommended.

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

The members recommended that the TSO issue the modification proposal to the CRU for their final decision.

**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*

See document entitled “MPID304\_GC11\_RedLineVersion\_Revision May 23” attached to the GCRP invitation email.

**Green-line Version of Impacted Grid Code Section(s) - show recommended final text:**

See document entitled "MPID304\_GC11\_Green Line Version\_Revision May 23" attached to the GCRP invitation email.