

# EirGrid Grid Code Review Panel (GCRP) Meeting Minutes 26 June 2025 Final

Approved 28 July 2025



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Revision History						
Revision	Date	Description	Originator	Reviewer	Checker	Approver
R1	10 July 2025	Minutes	EirGrid	GCRP Members	EirGrid	GCRP Members
R"	28 July 2025	Approved Minutes	EirGrid	GCRP Members	EirGrid	GCRP Members

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Approved

# 1 Member Attendance

Member	Present	Representing
Miriam Ryan	Y	Chairperson
Melissa Dunne	Y	TSO
Michael Coone	Y	TSO
Mark Lucas	N	CCGT
Jennifer Geraghty	N	Thermal Generators
Michael McCormack	Y	Thermal Generators
Mostafa Bakhtvar	Y	Fast Acting Peaking Generators
Open Position		Synchronous Renewable Generators
William Carr	Y	Pumped Storage Generators (PSG)
Peter King	Y	Non-Synchronous Renewable Generators
Kevin Moran	N	Non-Synchronous Renewable Generators
Thomas O'Sullivan	Y	
Gavin McClean	Y	Demand Customers
Paul Troughton	Y	Demand Side Units (DSU)
Patrick Liddy alternate for Vlastik Buzek	Y	Demand Side Units (DSU)
Tom Birney	N	Energy Storage Units (ESPS)
John Whelan alternate for Tony Hearne	Y	Distribution System Operator (DSO)
Mark Phelan	Y	Public Electricity Supplier (PES)
Open Position		Independent Electricity Suppliers
Deirdre O'Leary	Y	CRU
Thomas Germaine	Y	
Jessica Hutton	Y	Transmission Asset Owner Licensee (TAO)
Sorcha Dineen	N	Market Operator (MO)
		Other TSO
Jonathan Ruddy	Y	
Fred Baselle	Y	Interconnector Owners
Daniel Moloney	N	Solar Generators
TBC		Offshore Non-Synchronous Generators
Paul Murphy	N	Synchronous Condenser Units (SCU)

#### Other EirGrid GCRP Attendees:

Name	Present	Role
Arlene Chawke	Y	TSO Secretary
Aideen O'Hagan	Y	Presenter from EirGrid
Gill Nolan	N	Alternate Chairperson from EirGrid
Niamh Day	Y	Observer from CRU
Saad Muhammad Khan	Y	Presenter from EirGrid
Cian Fitzgerald	Y	Observer from Energia

## 2 Introduction to Ireland GCRP Meeting & Approval of Previous Minutes

- Miriam Ryan (Chairperson) welcomed all members, observers, and presenters to the meeting.
- No comments were received to the previous minutes. The minutes were deemed approved.
- All actions from the previous meeting were reviewed and deemed closed.

## 3 Proposal - MPID319 Incorporation of the SCU Requirements

- ACTION: No objections were raised following the presentation at the JGCRP meeting, the TSO will issue a recommendation paper to the CRU for decision.**
- Post meeting note:** SCU modification comments from the JGCRP.

Tom Birney (ESPS) could not attend the EirGrid GCRP meeting but would like to ensure that his comments on the SCU proposed modification are noted in both the JGCRP meeting minutes and the EirGrid GCRP meeting minutes. Miriam Ryan (JGCRP Chairperson) invited Tom to submit any post-meeting comments to add to the minutes. Please see Tom's comment below.

Tom Birney (ESPS) issued the following comment in relation to the SCU reactive power requirements - *"It is understood that the adoption of Clause SCU 1.4.6.3 in its current form is intended to set the minimum requirements only and is not intended to be prescriptive in any way for how reactive power beyond the minimum requirements is expected to be provided over the various TSO p.u. voltage ranges. Furthermore, regarding provision of reactive power beyond the minimum requirements it is expected that the TSOs will comprehensively assess the need for reactive power export at the top right hand corner and import at the bottom left hand corner of the envelope (in other words counterintuitively exporting at very high p.u. voltage and importing at very low*

*p.u. voltage) and comprehensively as-sess the cost, value, and technical challenges associated with this.”*

## 4 Proposal - MPID336 Incorporation of housekeeping process and associated update to the GCRP Constitution

- a) Saad Khan (TSO) presented the background on the proposed changes to the Grid Code and to the Constitution to incorporate the new housekeeping modification process. Please see slides number 6 to number 12.
- b) Paul Troughton noted his support for this initiative.
- c) **ACTION: No objections raised; the TSO will issue a recommendation paper to the CRU for decision.**

## 5 Proposal - MPID338 Definition of Generation

- a) Aideen O’Hagan (TSO) presented slide numbers 14 and 15.
- b) The purpose of this modification proposal is to clarify the definition of Generation Unit, and the requirement for such users to have one connection point to the transmission system only.
- c) Paul Troughton (DSU) queried if the TSO had checked if there are any generators that have more than one connection point, for example CCGTs, and if that is the case, what happens next.
- d) Miriam Ryan (JGCRP Chairperson) confirmed that one unit was identified and, if this modification proposal is approved by the CRU, the TSO will follow up with that unit to discuss the derogation process. It was noted that Demand Customers can have multiple connection points to the transmission system, and that this proposal applies to Generation Units only.
- e) Thomas O’Sullivan (Demand Customers) wanted to confirm that Demand Customers are not impacted by this.
- f) Miriam Ryan (JGCRP Chairperson) noted that there is ongoing works regarding Demand Customers with onsite generation units. A further consideration needs to be given to such Users. It was proposed that an update will be brought to the September meeting. EirGrid may reach out to GCRP members as part of these ongoing works.
- g) Thomas O’Sullivan (Demand Customers) recommended that his modification proposal is paused until additional work is complete.
- h) Patrick Liddy (DSU) recalled Aodhagan Downey (EirGrid) demand does encompass a generator.

- i) Miriam Ryan (JGCRP Chairperson) will double-check with Aodhagan, this may be in relation to Market Codes.
- j) **ACTION: The TSO will pause this proposal to seek further clarifications. The TSO will follow up with Thomas and Patrick on their queries before bringing this proposal back to the next GCRP Meeting.**

## 6 MPID335 - Inclusion of Current Definition

- a) Aideen O'Hagan (TSO) presented a Grid Code modification proposal on the definition for Current, please see slide numbers 17 and 18.
- b) Mostafa Bakhtvar (Fast Acting Peaking Gen) recommended including a definition for DC Current into the Grid Code or apply AC and DC to the one definition for Current.
- c) Paul Troughton (DSU) agreed with Mostafa's recommendation and recommended incorporating both AC and DC into one definition for Current. This would simplify the update to the Grid Code.
- d) **ACTION: Clarify and circulate a revised modification proposal with the minutes. Members can provide feedback. If no objections raised; the TSO will issue a recommendation paper to the CRU based on comments raised at today's meeting.**

## 7 MPID337 - Interconnector Modification

- a) Melissa Dunne (TSO) presented a proposed modification to the Interconnection requirements, please slide number 20 through to slide number 25. Many of the changes were driven by recommendations made by the Interconnector Owner panel members.
- b) Jonathan Ruddy (Interconnector Owners) is pleased to see these changes being made based on his comments.
- c) **ACTION: No objections raised; the TSO will issue a recommendation paper to the CRU.**

## 8 Update - GCRP Member Roles

- a) The TSO will publish the names and contact details of members that have given their permission to share their contact details on the TSO's website.
- b) **ACTION: The TSO has encouraged members that have yet to respond to do so.**
- c) **ACTION: The TSO has also confirmed with the GDPR officer that the TSO can share the company names of the cohort that a member represents. This exercise will be done over the coming weeks.**
- d) Thomas O'Sullivan (Demand Customers) expressed his thanks for the latest developments.
- e) **ACTION: The TSO will circulate a link to the EirGrid customer and stakeholders distribution list to ensure everyone is signed up.**

## 9 Update - Grid Code Modifications

- a) Slide number 30 provides an updated picture of the modification statistics.

## 10 Update - Grid Code Derogations

- a) Slide number 32 provides an updated picture of the derogation statistics.
- b) Mostafa Bakhtvar (Fast Acting Peaking Gen) suggested that the TSO provide a derogations graph to display the length of time the derogations are with the CRU and the TSO, to keep track of the TSO/CRU compliance with the Grid Code requirements.
- c) Miriam Ryan (JGCRP Chairperson) clarified in relation to RfG/HVDC/DCC units that the TSO has 6 months to submit an assessment to the CRU, this is increased by one month if further information is required by the TSO. The CRU have 6 months to make a decision; this is extended by three months if additional information is requested. No timelines exist for non RfG, non HVDC and non DCC unit derogation applications.
- d) **ACTION: The TSO will discuss the introduction of derogation timelines with the Derogations Team.**
- e) Post meeting note: the incorrect date was included in the slide, it should be read as 2025.

## 11 Update - CRU

- a) Niamh Day (CRU) provided an update from the CRU, please see slide number 34.

## 12 AOB

### 12.1 Update to Electromagnetic Transient (EMT) Model Specifications

- a) Marta Val Escudero (TSO) provided an update on EMT Specifications, please see slide numbers 35 to 37. The TSO are finalising the last of the text with the intention to publish week commencing 30th June 2025.
- b) Mostafa Bakhtvar (Fast Acting Peaking Gen) raised concerns regarding the retrospection, with older units providing the updated EMT models - this is a substantial requirement and model validation requires testing. Mostafa also indicated that he searched the EirGrid website and could not find the existing EMT Specifications.
- c) Marta Val Escudero (TSO) agrees with the concern raised regarding retrospective application. It is unreasonable to apply to older units (016 and publication). However if a plant participates in an incident, the TSO will need further understanding to investigate. This will be applied case by case basis. Marta also confirmed the current EMT Specifications have been pulled down from website - this has been done to apply corrections and updates before it is uploaded again.
- d) The panel members recommended that until the simulation studies have been updated and published that the TSO should provide some form of guidance that can be followed.



- e) Peter King (Non-Synchronous Renewable) noted the previous document was a joint document between SONI and EirGrid. Marta confirmed the contents are the same, but it will exist as two separate documents for SONI and EirGrid. Marta also confirmed that the timing will be aligned.
  - f) Peter King (Non-Synchronous Renewable) queried if a consultation will be considered. Marta (TSO) noted that no consultation will take place, but she is happy to receive feedback.
  - g) Peter King (Non-Synchronous Renewable) requested that this document be shared in advance of publication. He also asked if there is a threshold on project size for the new requirements to apply.
  - h) Marta (TSO) noted that there are no new requirements here, rather a clarification on existing requirements, and that there is no threshold based on project size.
  - i) Peter King (Non-Synchronous Renewable) noted that the interpretation was not clear in 2021 and raised a concern with the cost in providing these models. He queried if a cost-benefit analysis had been carried out, and requested flexibility for projects under construction.
  - j) Marta (TSO) noted that there are no new requirements here, and that the intention is to provide clarity on how these studies will be provided.
  - k) Peter King (Non-Synchronous Renewable) asked how transient models are to be validated. Marta (TSO) stated that there are a few options for validation, and that EirGrid is developing its thinking of around the model validation.
  - l) William Carr (Pumped Storage Generators) noted that this sounds like a significant change and it would be beneficial to review a draft proposal before publication. He stated that a consultation should happen and he proposed a working group.
  - m) Marta (TSO) noted that no changes are being proposed to the Grid Code requirement, this is just an update on existing requirements. William Carr (Pumped Storage Generators) stated that, because the update changes the workings of the Grid Code, it would be beneficial to review a draft proposal and unhook a lot of the concerns.
  - n) Jonathan Ruddy (Interconnector Owners) noted no specification on the software platforms in the Grid Code.
  - o) Marta stated EirGrid are trying to avoid specifying this, and instead be software agnostic.
  - p) Jonathan Ruddy (Interconnector Owners) echoed a request for early review of the document, and noted the document is not referenced in the Grid Code and as a result it can be missed. He recommended that it be referenced in the Grid Code.
  - q) Miriam Ryan (JGCRP Chairperson) agreed to take this recommendation away for consideration.
  - r) Mostafa Bakhtvar (Fast Acting Peaking Gen) added that, if this requirement is not included in the Grid Code, it leaves it open to being modified without review by the panel.
  - s) **ACTION - Marta will circulate the draft specifications to members via [gridcode@eirgrid.com](mailto:gridcode@eirgrid.com), and members are encouraged to send feedback via [gridcode@eirgrid.com](mailto:gridcode@eirgrid.com).**
  - t) **ACTION - the TSO will consider the incorporation of the specifications into the Grid Code.**
- Post Meeting Note:**  
The draft specification document was circulated to GCRP members via [Gridcode@eirgrid.com](mailto:Gridcode@eirgrid.com) on Friday, 27 June with a deadline for comments of Friday, 4 June.

Three GCRP members replied requesting additional time for review. Please see the reply below from Marta Val Escudero:

*“EirGrid is very happy to see the positive interest in the updated EMT model specifications and welcome your feedback on the circulated documents. We have considered your request for extension of the feedback period on the basis of experts availability during the summer holiday period, while balancing the urgent need to provide model specifications and avoid further delays to new projects in the connection process. On those basis, we have decided to proceed with the publication of the EMT model specifications, as circulated to the GCRP on 27<sup>th</sup> June 2025, with the commitment to review them after the summer period to incorporate any feedback received from GCRP and/or the projects undergoing the connection process. This means that we will welcome and collate your expert feedback until 1<sup>st</sup> September 2025. Those responses that constitute material and justified changes to the published model specifications will be captured in a revision to be published in EirGrid’s website by 15<sup>th</sup> September 2025. We are happy to discuss any details and answer any questions during this period.”*

## 12.2 Feedback on GCRP meetings following a recent panel survey

- a) Aideen O’ Hagan (TSO) provided feedback on the recent panel survey Feedback. She thanked the panel members for their input and feedback. Aideen presented graphs based on survey results. Please see slide number 38.
- b) The TSO are recommending in person meetings to take place twice a year - the TSOs are suggesting the meetings take place in June and September. EirGrid and SONI will work together on this.

## 12.3 Member role query

- a) Mostafa Bakhtvar (Fast Acting Peaking Gen) in relation to member roles contacts recommends a platform or mailing list for Grid Code.
- b) Miriam Ryan (JGCRP Chairperson) it is on our radar, and we will look to explore different options and will update members at the September meeting.

## 12.4 Close out of meeting

- a) Miriam Ryan (JGCRP Chairperson) thanked everyone for their attendance and apologised for IT issues that took place at the start of this meeting and the TSO will ensure it will not happen again.