

26/06/2025

EirGrid GCRP Meeting

26 June 2025



EirGrid GCRP Agenda

1.INTRODUCTION: 10 mins

- a) Welcome to Members;
- b) Minutes and Actions from Previous Meeting (04 December 2024).

2.PROPOSALS: 60 mins

- a) MPID319 - Incorporation of the SCU Requirements;
- b) MPID336 - Incorporation of housekeeping process and associated update to the GCRP Constitution;
- c) MPID338 - Definition of Generation;
- d) MPID335 - Inclusion of Current Definition;
- e) MPID337 - Interconnector Modification.

3.UPDATES: 30 mins

- a) GCRP Members Roles;
- b) Approved Grid Code Modifications since previous meeting;
- c) Grid Code Derogations;
- d) CRU.

4.AOB 5 mins



1. Proposed Modification: 5 minutes

MPID 319

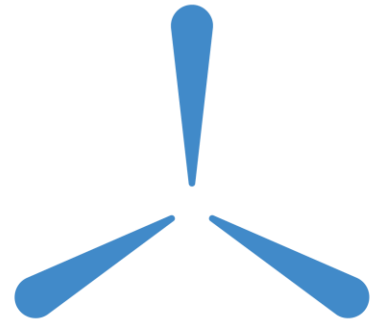
Incorporation of the SCU Requirements.



MPID319 Incorporation of the SCU Requirements.

This modification proposal was discussed at the JGCRP.

We will now seek agreement from members for the submission of a recommendation paper to the CRU.



2. Proposed Modification: 10 minutes

MPID 336

Incorporation of housekeeping process
and associated update to the GCRP
Constitution



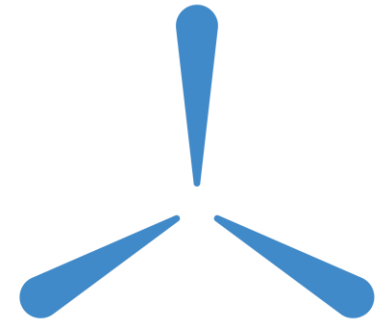
MPID336 Housekeeping Modification Proposal Justification

The Grid Code is constantly evolving to adapt and respond to the changing energy landscape, and as such requires consistent maintenance in the form of housekeeping modifications.



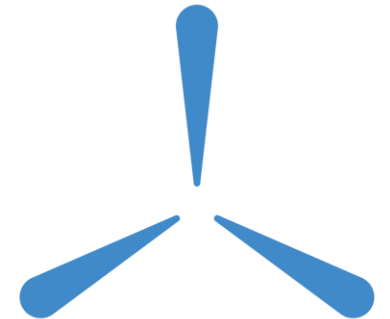
Housekeeping modifications **do not**:

- **add or remove a requirement** from any user;
- make **any material change**; or
- impact to the existing compliance of any user under the Grid Code.



MPID336 Key Points

- Housekeeping modifications aim to make the Grid Code as **accessible** as possible.
- Currently, all Grid Code Modifications were subject to the regulated Grid Code Modification process.
- For housekeeping Modifications, the current process can be **time-consuming** as well as impacting meeting efficiency.
- A streamlined trial process has been completed to review and recommend proposed housekeeping modifications by the GCRP members.



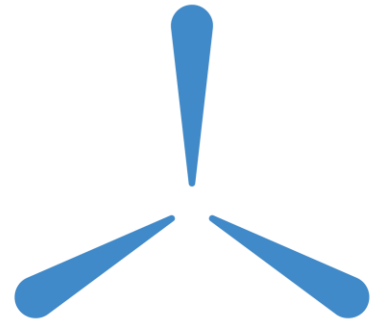
MPID336 Comparison of Process

Current process for Grid Code modifications	Proposed housekeeping modification process
TSO and relevant parties prepare modification proposal and TSO assigns MPID #	TSO prepares and updates housekeeping modification proposal table and assigns HKID #s
Modification proposal circulated to GCRP members 10 Business Days (excluding day of issue and day of the meeting) before GCRP meeting	TSO publishes modified proposal table to TSO website and circulates link to GCRP members, with 10 Business Days for members to review and provide feedback
Proposal presented and discussed at GCRP meeting, seeking recommendation for submission to the Regulator.	TSO considers GCRP member feedback and incorporates into proposal table where relevant.
Where GCRP members recommend for submission to the Regulator, or TSO considers submission to CRU is required, TSO will issue proposal to the Regulator, along with GCRP member feedback, for review and decision.	TSO issues member feedback and proposal table to CRU for review and decision.
If approved by CRU, modification comes into effect from date of decision.	If approved by CRU, modifications come into effect from date of decision.
TSO publishes proposals, recommendation paper and decision letter to the TSO website.	TSO updates housekeeping modification table on TSO website accordingly
Modification incorporated by TSO into next published major revision of Grid Code	Modification incorporated by TSO into next published minor or major version of Grid Code

MPID336 Trial Feedback

After the close of the trial period, a survey was issued to GCRP members and the CRU on the 16th of April 2025 to collect feedback on their experience of the proposed process.

- The survey results indicated that the housekeeping modification trial process was well received, with GCRP members noting:
 - the manageable workloads;
 - the user-friendly website navigation; and
 - effective team engagement
- The review period was generally considered to be sufficient, however, extending it slightly could be beneficial in certain cases, such as over holiday periods, etc.



MPID336 Final Proposal

- On 30th May 2025, the Grid Code team submitted a report to the CRU evaluating the effectiveness of the revised process.
- Considering the success of the trial, the Grid Code team is proposing updates to the **Grid Code** and the **GCRP Constitution** for implementation of the revised housekeeping modification process into the Grid Code governance framework.



MPID336 Proposal - Grid Code constitution changes

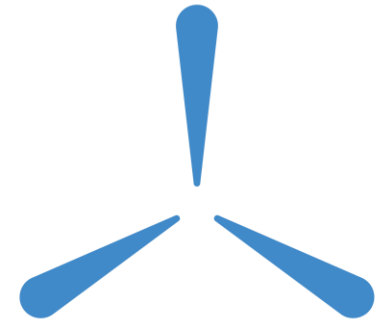
18. PROPOSALS

A Member may from time to time make a proposal ("Proposal") regarding the Grid Code.

Each Proposal shall:

- (a) be in writing;
- (b) set out in reasonable but not excessive detail the nature and purpose of the Proposal;
- (c) **Where the proposal is not related to a Housekeeping Modification**, be submitted to the Secretary of the Panel not less than fifteen (15) Business Days prior to the next meeting, exclusive of the day of submission and the day of the meeting; and
- (d) **Where the proposal is not related to a Housekeeping Modification**, be placed on the agenda for discussion by the Members at the next meeting.

- 18.8** Where the Proposal is a proposed Housekeeping Modification, proposed by the TSO or any other Panel Member, the proposed Housekeeping Modification will be published to the TSO's website and Members will be notified In Writing that the proposed Housekeeping Modification is ready to review. Members will have ten (10) Business Days to review the proposed Housekeeping Modification before it is issued to the CRU, along with Members' views, for decision.



MPID336 Proposal - Grid Code changes

GC.7.4 Having been so directed by the CRU that the applied for revision or amended revision shall be made, ~~the TSO shall notify each User of the revision at least 14 Business Days prior to the revision taking effect, and~~ the revision shall take effect (and this **Grid Code** shall be deemed to be amended accordingly) from (and including) the date specified in such notification or other such date as directed by the CRU. The date may be modified to ensure that the revision is implemented simultaneously in both jurisdictions on the island of Ireland.

Definitions

Housekeeping Modification	Grid Code revisions aimed at making the Grid Code as accessible as possible by providing that the form of each clause is well-structured and conveys the correct meaning. Such revisions to the Grid Code do not add or remove a requirement from any User of the Grid Code , and do not make any material change or impact to the existing compliance of any User under the Grid Code .
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3. Proposed Modification: 10 minutes

MPID338

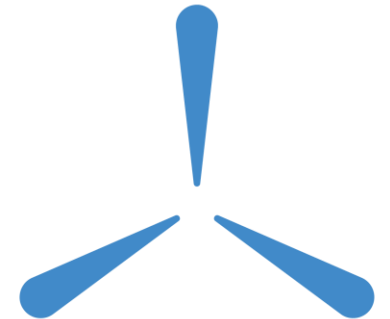
Definition of Generation



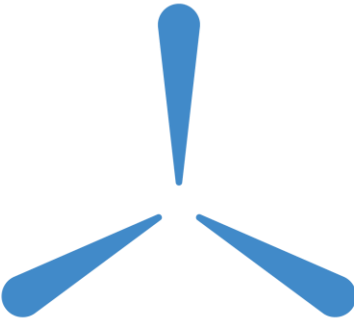
MPID338

Modification Proposal Justification:

- The addition of the line “*Each **Generation Unit** shall have a single **Connection Point***” provides essential clarity for system modelling, operational control, and compliance with **Grid Code** obligations.
- The proposed modification also ensures that each **Generation Unit** is treated as a distinct entity, simplifying dispatch, metering, and regulatory oversight.
- This aligns with standard industry practices and supports consistent integration of generation assets into the **Transmission System**, particularly as grid complexity increases.
- It also aligns with our interpretation and application of RfG requirement that each **Generation Unit** should have a single **Connection Point**.



Definition	Red Line Version Text <i>Deleted text in strike-through red font and new text highlighted in blue font</i>	Green Line Version Text
Generation Unit	Any apparatus which produces electricity and, for the purpose of SDC1 and SDC2 , shall include a CCGT Installation or a CCGT Unit , where running arrangements and/or System conditions apply. Each Generation Unit shall have a single Connection Point.	Any apparatus which produces electricity and, for the purpose of SDC1 and SDC2 , shall include a CCGT Installation or a CCGT Unit , where running arrangements and/or System conditions apply. Each Generation Unit shall have a single Connection Point .



4. Proposed Modification: 10 minutes

MPID 335

Inclusion of Current Definition

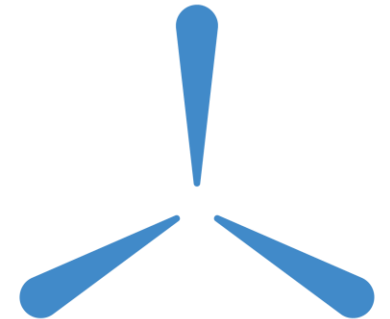


MPID335

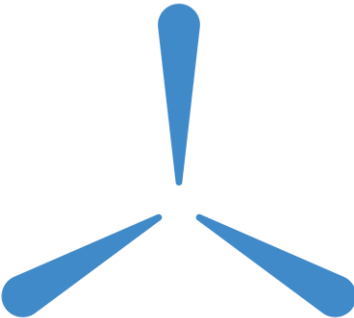
Modification Proposal Justification:

- While **Voltage** is a defined term within the **Grid Code**, the absence of a definition for electrical “current” creates a gap in the document's comprehensiveness.
- Electrical current is a fundamental concept in power systems, essential for understanding the flow of electricity through the grid. Therefore, it is imperative to add "current" as a defined term to ensure clarity and precision in technical discussions and documentation.
- This definition of current is fully consistent with the requirements set out in the RfG.
- Additionally, reviewing and appropriately bolding or not bolding each instance of "current" based on its context will enhance the document's readability and accuracy, preventing any potential ambiguities or misinterpretations. The document *‘MPID335_Featured Locations within Grid Code’* detailed these proposed additional changes to the Grid Code.

(changes to be made to 36 sections of the Grid Code (i.e., housekeeping within this modification))



Definition	Red Line Version Text <i>Deleted text in strike-through red font and new text highlighted in blue font</i>	Green Line Version Text
	Current The rate at which electric charge flows which is measured by the root-mean-square value of the positive sequence of the phase Current at fundamental Frequency .	Current The rate at which electric charge flows which is measured by the root-mean-square value of the positive sequence of the phase Current at fundamental Frequency .



5. Proposed Modification: 10 minutes

MPID 337

Interconnector Modification



Purpose - Several updates required to interconnector requirements

CC.7.5.4: Removal of demarcation and boxing around CC.7.5.4 (a) - (e) as requirements concerning oscillations are applicable to both HVDC Units and Non-HVDC Units.

Clause	Red Line Version Text <i>Deleted text in strike-through-red font and new text highlighted in blue font</i>	Green Line Version Text
CC.7.5.4	<div>++</div> <p>CC.7.5.4 Each Interconnector:</p> <ul style="list-style-type: none"> (a) Must ensure that they do not cause any sub synchronous resonance, undamped oscillations or harmful shaft torsional oscillations to Users on the Transmission System. This shall be demonstrated by simulation prior to connection by the Interconnector using best industry practice as agreed by the TSO. (b) Where it is determined by the TSO that the Interconnector does cause such harmful oscillations or resonances the operation of the Interconnector shall cease until a solution is agreed with the TSO; (c) Where further studies are required to examine an oscillation or resonance issue there shall be an exchange of the necessary data between the Interconnector Operator and the TSO, such exchange of data shall not be unreasonably withheld. The Interconnector Operator shall provide a report to show the contribution that the Interconnector control system design will have on the torsional mode frequencies. 	<p>CC.7.5.4 Each Interconnector:</p> <ul style="list-style-type: none"> (a) Must ensure that they do not cause any sub synchronous resonance, undamped oscillations or harmful shaft torsional oscillations to Users on the Transmission System. This shall be demonstrated by simulation prior to connection by the Interconnector using best industry practice as agreed by the TSO. (b) Where it is determined by the TSO that the Interconnector does cause such harmful oscillations or resonances the operation of the Interconnector shall cease until a solution is agreed with the TSO; (c) Where further studies are required to examine an oscillation or resonance issue there shall be an exchange of the necessary data between the Interconnector Operator and the TSO, such exchange of data shall not be unreasonably withheld. The Interconnector Operator shall provide a report to show the contribution that the Interconnector control system design will have on the torsional mode frequencies. (d) Input provisions for addition of a future sub synchronous damping controller shall be made by the Interconnector Operator; (e) When several Interconnector Converter Stations or other plant and equipment are in close electrical proximity, the TSO may specify control
	<div> </div> <p>(d) Input provisions for addition of a future sub synchronous damping controller shall be made by the Interconnector Operator;</p> <div>++</div> <p>(e) When several Interconnector Converter Stations or other plant and equipment are in close electrical proximity, the TSO may specify control interaction studies on site specific basis with defined scope and extent in order to demonstrate no adverse interaction effect. The control interaction study shall idently-identify possible mitigation actions to be implemented if adverse control interaction is identified.</p>	<p>in order to demonstrate no adverse interaction effect. The control interaction study shall identify possible mitigation actions to be implemented if adverse control interaction is identified.</p> <p>[...]</p>

Purpose - Several updates required to interconnector requirements

CC.7.5.12.6: EirGrid consulted on HVDC Unit post fault active power recovery parameters in November 2018, where the recommended magnitude and accuracy for active power recovery was 90%. This 10% tolerance for short duration faults was mistakenly omitted when CC.7.5.12.6 was incorporated into the Grid Code. This requirement should be split up into two separate requirements - one for HVDC Units, which allows 10% tolerance for short and longer duration faults, and one for non-HVDC units, which would remain the same as the current Grid Code requirement.

Clause	Red Line Version Text <small>Deleted text in strike-through red font and new text highlighted in blue font</small>	Green Line Version Text
CC.7.5.12.6	<div><div> </div><p>The Interconnector shall provide at least 90% of its Active Power set-point as quickly as the technology allows and in any event within 500 ms of the Transmission System Voltage recovering to 90% of nominal Voltage, for Fault Disturbances cleared within 500 ms. For longer duration Fault Disturbances, the Interconnector shall provide at least 90% of its Active Power set-point within 1 second of the Transmission System Voltage recovering to 90% of the nominal Voltage.</p></div>	<div><div> </div><p>The Interconnector shall provide at least 90% of its Active Power set-point as quickly as the technology allows and in any event within 500 ms of the Transmission System Voltage recovering to 90% of nominal Voltage, for Fault Disturbances cleared within 500 ms. For longer duration Fault Disturbances, the Interconnector shall provide at least 90% of its Active Power set-point within 1 second of the Transmission System Voltage recovering to 90% of the nominal Voltage.</p></div>
	<div><div>++</div><p>The Interconnector shall reach its Active Power set-point as quickly as the technology allows and in any event within 500 ms of the Transmission System Voltage recovering to 90% of nominal Voltage, for Fault Disturbances cleared within 500 ms. For longer duration Fault Disturbances, the Interconnector shall provide at least 90% of its Active Power set-point within 1 second of the Transmission System Voltage recovering to 90% of the nominal Voltage.</p></div>	<div><div>++</div><p>The Interconnector shall reach its Active Power set-point as quickly as the technology allows and in any event within 500 ms of the Transmission System Voltage recovering to 90% of nominal Voltage, for Fault Disturbances cleared within 500 ms. For longer duration Fault Disturbances, the Interconnector shall provide at least 90% of its Active Power set-point within 1 second of the Transmission System Voltage recovering to 90% of the nominal Voltage.</p></div>

Purpose - Several updates required to interconnector requirements

OC.4.3.4.2.2: As per the EU HVDC CNC, HVDC Units should have the capability to adjust their active power frequency response, during both import and export, at a Transmission System Frequency threshold between and including 50.2 Hz and 50.5 Hz for Limited Frequency Sensitive Mode Over-frequency (LFSM-O), and between and including 49.8 Hz and 49.5 Hz for Limited Frequency Sensitive Mode Under-frequency (LFSM-U). This clause should be updated to reflect these EU requirements.

Additionally - further discussions with ENTSO-e highlighted a need to specify a discrete value for the thresholds, and to apply the same threshold values to SPGMs, PPMs and Interconnectors bound by EU CNC requirements.

The TSO is proposing an LFSM-U threshold of 49.8 Hz (change from original codified value of 49.5 Hz) which aligns with operational requirements for existing interconnectors.

The TSO will maintain the existing threshold of 50.2 Hz for LFSM-O.

EirGrid will circulate a revised proposal paper with this edit included post this meeting, and members will have additional time to review.

Purpose - Several updates required to interconnector requirements

Clause	Red Line Version Text <i>Deleted text in strike-through-red font and new text highlighted in blue font</i>	Green Line Version Text
OC.4.3.4.2.2	<div> </div> <p>[...]</p> <p>Limited Frequency Sensitive Mode – Over-frequency</p> <p>The following shall apply for Interconnectors operating in Limited Frequency Sensitive Mode – Over- Frequency:</p> <p>(a) Interconnector shall be capable of adjusting Active Power Frequency response, during both import and export, when the Transmission System Frequency rises to or above 50.2 Hz, at a Transmission System Frequency threshold between and including 50.2 Hz and 50.5 Hz. The actual threshold value to be applied to Interconnectors operating in Limited Frequency Sensitive Mode – Over-Frequency is 50.2 Hz.</p> <p>[...]</p> <p>Limited Frequency Sensitive Mode – Under-frequency</p> <p>The following shall apply for Interconnectors operating in Limited Frequency Sensitive Mode – Under- Frequency:</p> <p>(a) Interconnector shall be capable of adjusting Active Power Frequency response, during both import and export, when the Transmission System Frequency falls to or below 49.5 Hz, at a Transmission System Frequency threshold between and including 49.8 Hz and 49.5 Hz. The actual threshold value to be applied to Interconnectors operating in Limited Frequency Sensitive Mode – Under-Frequency is 49.8 Hz.</p> <p>[...]</p>	<div> </div> <p>[...]</p> <p>Limited Frequency Sensitive Mode – Over-frequency</p> <p>The following shall apply for Interconnectors operating in Limited Frequency Sensitive Mode – Over- Frequency:</p> <p>(a) Interconnector shall be capable of adjusting Active Power Frequency response, during both import and export, at a Transmission System Frequency threshold between and including 50.2 Hz and 50.5 Hz. The actual threshold value to be applied to Interconnectors operating in Limited Frequency Sensitive Mode – Over-Frequency is 50.2 Hz.</p> <p>[...]</p> <p>Limited Frequency Sensitive Mode – Under-frequency</p> <p>The following shall apply for Interconnectors operating in Limited Frequency Sensitive Mode – Under- Frequency:</p> <p>(a) Interconnector shall be capable of adjusting Active Power Frequency response, during both import and export, at a Transmission System Frequency threshold between and including 49.8 Hz and 49.5 Hz. The actual threshold value to be applied to Interconnectors operating in Limited Frequency Sensitive Mode – Under-Frequency is 49.8 Hz.</p> <p>[...]</p>

Purpose - Several updates required to interconnector requirements

Definition of Interconnector Registered Capacity, and CC.7.5.10 (d): Proposed update to this definition to clarify that the Interconnector Registered Capacity is the greater of the Interconnector Registered Export Capacity and the Interconnector Import Capacity as defined in the Grid Code. Proposed additional text in CC.7.5.10 (d) to clarify that the reactive power capability of an interconnector is based on its Interconnector Registered Capacity, which is the greater of the Interconnector Registered Export Capacity and the Interconnector Import Capacity as defined in the Grid Code.

Clause	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: Interconnector Registered Capacity	The maximum Capacity , in either flow direction, expressed in whole MW, that an Interconnector can deliver on a sustained basis, without accelerated loss of equipment life, at the Connection Point . This figure will be taken as the greater of the Interconnector Registered Export Capacity and the Interconnector Registered Import Capacity This figure and shall include transmission power losses for the Interconnector .	The maximum Capacity , in either flow direction, expressed in whole MW, that an Interconnector can deliver on a sustained basis, without accelerated loss of equipment life, at the Connection Point . This figure will be taken as the greater of the Interconnector Registered Export Capacity and the Interconnector Registered Import Capacity and shall include transmission power losses for the Interconnector .
CC.7.5.10 (d)	<div> </div> <p>(d) An Interconnector Converter Station connecting to the Transmission System shall be capable of providing Reactive Power as per the following requirement at its maximum Active Power transmission capacity (at Active Power less than or equal to Interconnector Registered Capacity (P_{max})) at the Connection Point.</p> <p>The Reactive Power variation by the Reactive Power control mode of the Interconnector Converter Station shall not result in a Voltage step exceeding 0.03 pu at the connection point.</p> <p>[...]</p> <p>An Interconnector shall be capable of moving to any operating point within their U-Q/P_{max} profile, without undue delay, and shall be capable of moving from its minimum Reactive Power capability Q_{min}/P_{max} (Import/Lead) to its maximum Reactive Power capability Q_{max}/P_{max} (Export/Lag) within 120 seconds, depending on the Active Power output.</p> <p>Here, P_{max} is the Interconnector Registered Capacity at the Connection Point, ... the greater of the Interconnector Export Capacity and the Interconnector Import Capacity.</p>	<div> </div> <p>(d) An Interconnector Converter Station connecting to the Transmission System shall be capable of providing Reactive Power as per the following requirement at its maximum Active Power transmission capacity (at Active Power less than or equal to Interconnector Registered Capacity (P_{max})) at the Connection Point.</p> <p>The Reactive Power variation by the Reactive Power control mode of the Interconnector Converter Station shall not result in a Voltage step exceeding 0.03 pu at the connection point.</p> <p>[...]</p> <p>An Interconnector shall be capable of moving to any operating point within their U-Q/P_{max} profile, without undue delay, and shall be capable of moving from its minimum Reactive Power capability Q_{min}/P_{max} (Import/Lead) to its maximum Reactive Power capability Q_{max}/P_{max} (Export/Lag) within 120 seconds, depending on the Active Power output.</p> <p>Here, P_{max} is the Interconnector Registered Capacity at the Connection Point, ... the greater of the Interconnector Export Capacity and the Interconnector Import Capacity.</p>

Purpose - Several updates required to interconnector requirements

Definition of Interconnector Converter Station, and CC.7.5.1.1 (t) and (w): Proposed text to clarify that remote end interconnector converter station requirements in the Grid Code are currently only applicable to DC-connected Controllable PPMs.

Clause	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: Interconnector Converter Station	Part of an Interconnector with one or more HVDC converter units installed in a single location together with buildings, filters, Reactive Power devices, control, monitoring, protective, measuring and auxiliary equipment. Remote end Interconnector Converter Stations are Interconnector Converter Stations which are not synchronously connected to any synchronous area. Any reference to remote end Interconnector Converter Station requirements in this Grid Code are applicable to DC-connected Controllable PPMs only.	Part of an Interconnector with one or more HVDC converter units installed in a single location together with buildings, filters, Reactive Power devices, control, monitoring, protective, measuring and auxiliary equipment. Remote end Interconnector Converter Stations are Interconnector Converter Stations which are not synchronously connected to any synchronous area. Any reference to remote end Interconnector Converter Station requirements in this Grid Code are applicable to DC-connected Controllable PPMs only.
CC.7.5.1.1 (t)	<div> </div> <p>[...]</p> <p>For DC-connected Controllable PPMs, the remote end Interconnector Converter Station, this is the end connecting to the Transmission System, provisions of CC.7.5.1.1.(t), CC.7.5.1.3, CC.7.5.1.4 and CC.7.5.1.5 shall apply.</p> <p>[...]</p>	<div> </div> <p>[...]</p> <p>For DC-connected Controllable PPMs, the remote end Interconnector Converter Station, provisions of CC.7.5.1.1.(t), CC.7.5.1.3, CC.7.5.1.4 and CC.7.5.1.5 shall apply.</p> <p>[...]</p>
CC.7.5.1.1 (w)	<div> </div> <p>[...]</p> <p>For DC-connected Controllable PPMs, A the remote end Interconnector Converter Station shall remain connected to the remote end Interconnector Converter Station network and operate within the Voltage ranges and time periods specified below based on the reference 1 p.u. Voltage: [...]</p>	<div> </div> <p>[...]</p> <p>For DC-connected Controllable PPMs, the remote end Interconnector Converter Station shall remain connected to the remote end Interconnector Converter Station network and operate within the Voltage ranges and time periods specified below based on the reference 1 p.u. Voltage: [...]</p>

Thank you!

Questions?



3. Updates: 30 minutes

- a. GCRP Members Roles;
- b. Grid Code Modification Stats since previous meeting;
- c. Grid Code Derogations;
- d. CRU.



Update

GCRP Member Roles



26/06/2025

Update

Grid Code Modification Stats



Modification Update

Modification	#
Decisions made by CRU since 27 March 2025	3
Recommendation papers with CRU for decision	8
Housekeeping Modification Batches (since 27 March): <ul style="list-style-type: none">• Approved• With CRU for Decision	2 0
Modifications proposed at GCRP 26 June (today)	5

- Further information on modifications can be found on the EirGrid website [here](#).

26/06/2025

Update

Derogations



Current Derogations Stats for GCRP March 2025

<u>Total</u>	
Under TSO Assessment	162
Approved by CRU	516
Still Valid	203
With CRU	139

<u>Under TSO Assessment</u>		
Type		
WFPS		68
Conventional		38
TEG		6
BESS		18
DSU		23
Categories		
APC/Frequency		55
Reactive Power		34
FRT		30
RoCoF		4

<u>Since last GCRP 24 September 2024</u>	
Submitted to TSO	3
Forwarded to CRU	2
Approved by CRU	4
Withdrawn	0

26/06/2025

Update CRU



JGCRP/ GCRP Meeting 26 June 2025

CRU Update

JGCRP Modifications Update since 27 March 2025

- New Modification requests: 0
- CRU Modification decisions: 1
- Joint Modification recommendations under review: 2

GCRP Modifications Update since 27 March 2025

- New Modification requests: 3
- CRU Modification decisions: 3
- Housekeeping Batches approved: 2
- Housekeeping Batches outstanding: 0
- Modification recommendations under review: 8

AOB

Two further agenda items:

- Update to Electromagnetic Transient (EMT) Model Specifications
- Feedback on GCRP meetings following a recent panel survey

Update to Electromagnetic Transient (EMT) Model Specifications

Background:

- Operation of the All Island power system with high levels of inverter-based renewable generation introduces **new dynamic behaviour** that cannot be accurately captured with traditional RMS models and simulations → low system strength, control interactions, etc.
- **Advanced modelling capabilities** are required to maintain adequate levels of security, reliability and resilience in the power system → EMT is introduced to complement RMS modelling.
- Requirement for provision of EMT models by Users was captured in **GC PC.A8** in 2016.
- “**Simulation Studies and Modelling Requirements (version 1.0)**” was published in EirGrid website in 2021.
- An **update** of the EMT modelling requirements described in the 2021 document has been completed, to be published soon in EirGrid website.
- Detailed **model validation requirements** will follow.

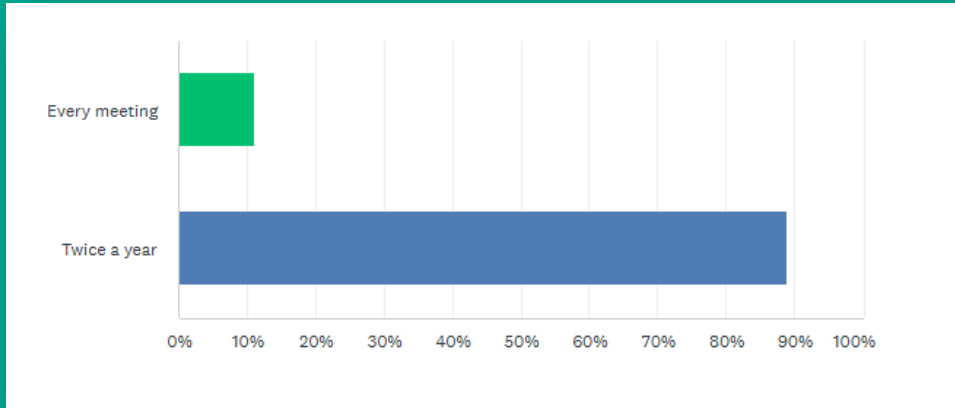
Update to Electromagnetic Transient (EMT) Model Specifications

- Development of the model specifications was supported by international consultants (RTEi).
 - In line with best industry practice.
 - A separate model specification for each type of **User**.
 - Model specification is **software agnostic**.
 - **Site Specific Plant Model** required at the Point of Connection.
 - Each **model specification** document covers:
 - Intended use of the model.
 - Components that must be included in the model.
 - Structure of the model.
 - Accuracy requirements for the model.
 - Usability of the model.
 - Model documentation.
 - Model delivery and maintenance.
- Model checklist

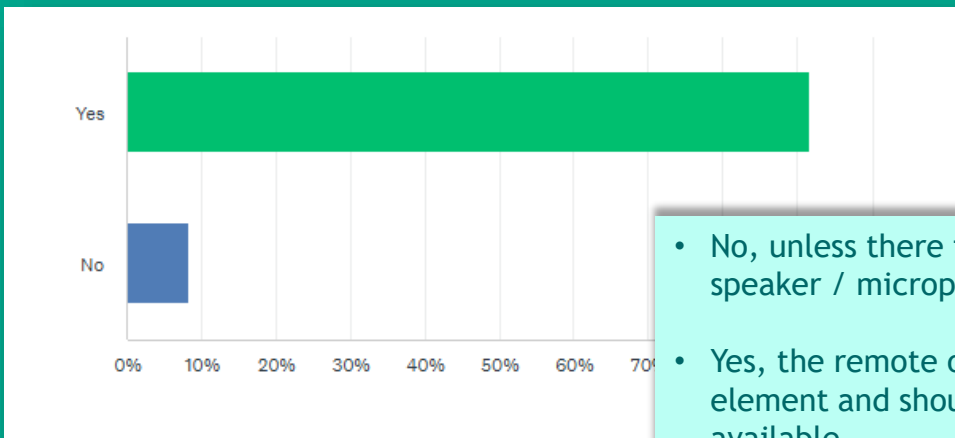


Survey Feedback

How frequently should we have an in-person GCRP meeting?



If the GCRP meeting is in person, should there be a remote option?



- No, unless there is a workable speaker / microphone solution
- Yes, the remote option is a critical element and should always be available

'The JGCRP and GCRP agendas follow fixed timings that often don't reflect actual discussion needs. Adjusting to more realistic timings would improve time management.'

"Good but there needs to be microphones all around the room on the desks.

I found the meeting very beneficial especially to meet in person."

"It was beneficial to meet stakeholders in person. The meeting was structured well and there was good time-keeping management."

"Very difficult for those dialled in. The system was not high-level professional standard. However it is important to have the facility. perhaps the SONI/EirGrid office has a better system in place."

Thank you

Meeting Minutes will be issued by COB 10 July 2025