

**Approved Minutes of the Ireland Grid Code Review Panel (GCRP) Meeting
EirGrid Conference Call
23 March 2021**

Member Attendance:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Miriam Ryan	Y	Alternate GCRP Chair	EirGrid
Niamh Daly	Y	TSO Member	EirGrid
Anne Trotter	Y	TSO Member	EirGrid
Michael McCormack	Y	Grid Connected Thermal Generators	Bord na Móna
Jennifer Geraghty	N	Grid Connected Thermal Generators	SSE
Rory Griffin	Y	Grid Connected CCGT Generators	Bord Gais Energy
Daniel Grandjean	N	Grid Connected CCGT Generators	Tynagh Energy
Mark Coleman	Y	Grid Connected Non-Synchronous Renewable Generators	SSER
Peter King	Y	Grid Connected Non-Synchronous Renewable Generators	Ionic Consulting
William Carr	Y	Grid Connected Pumped Storage	ESB GWM
Position Open		Grid Connected Synchronous Renewable Generators	
Position Open		Grid Connected Fast Peaking Plants	
Mark Phelan	N	ESB PES	Electric Ireland
Position open		Independent Electricity Supplier	
Cormac Fitzpatrick	N	Transmission Asset Owner	ESB Networks TAO
Dylan Ashe alternate for Robert O'Rourke	Y	Regulator	CRU
Karl O'Keeffe	Y	Irl - Interconnector Owner	East-West Interconnector
Lauren Skillen-Baine	Y	Market Operator	SEMO
Tony Hearne	N	Distribution System Operator	ESB Networks
Paddy Finn	N	Grid Connected Demand Side Units	Electricity Exchange
Lisa McMullan	Y	Grid Connected Demand Side Units	Grid Beyond
Paul O'Halloran	N	Grid Connected Demand Customers	Amazon
Tom Birney	Y	Battery Storage	Statkraft

Other Attendees:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Arlene Chawke	Y	GCRP Secretary	EirGrid
John Ging	Y	TSO Observer	EirGrid
Alan Rogers	Y	TSO Presenter	EirGrid
Eamon Garrigan	Y	TSO Presenter	EirGrid
Colin D’Arcy	Y	Greenlink Observer	EirGrid

1. Introduction to Ireland GCRP Meeting & Approval of Minutes

- a) Miriam Ryan (Chair) welcomed all members, observers and presenters to the meeting.
- b) Miriam Ryan (Chair) reviewed the actions from the [Previous Meeting](#) (03 November 2020) and noted that no comments were received and the Minutes were deemed approved. An update was provided on the actions:
 1. Proposed Modification MPID 285 – Correction of RfG Derogation Process Form References
Action 2(c): The TSO to issue a modification recommendation paper to the CRU for their review and approval.
Closed - the TSO issued a recommendation paper to the CRU 20.01.2021.
 2. Proposed Modification MPID 286 – Correction of graph in clause CC.7.3.6.5
Action 3(c): The TSO to issue a modification recommendation paper to the CRU for their review and approval.
Closed - the TSO issued a recommendation paper to the CRU 20.01.2021.
 3. Proposed Modification MPID 287 – PPM1.7.1.2.1 and PPM1.7.1.6 Wind Farm Signal List
Action 4(f): The TSO to review a time frame for the calculation of the 97.5% accuracy and circulate a revised modification to the members along with the Minutes.
Closed - revised version of the modification proposal issued with the Minutes.
Action 4(g): GCRP members to provide comments to the revised modification proposal within ten working days of receipt of the Minutes and the revised modification (deadline date for receipt of comments, close of business Friday, 30 November). If no comments or objections are received within that period, the TSO will issue a recommendation paper to the CRU.
Closed – No comments received and the TSO issued a recommendation paper to the CRU 20.01.2021.
Action 4(h): Once the modification proposal is approved, the TSO will propose a similar change to the Distribution Code.
Open.

4. Proposed Modification MPID 288 – Blackstart Testing Scheduling
Action 5(d): Niamh Daly (TSO Presenter) will pass on Rory Griffin's (CCGT) comment and recommendation to the relevant team within EirGrid.
Closed – Niamh Daly passed on Rory's recommendation that the TSO provide as much notice as possible when a supplier is asked to make their transformer available for such a test.
Action 5(h): The TSO to issue a modification recommendation paper to the CRU for their review and approval.
Closed - the TSO issued a recommendation paper to the CRU 20.01.2021.
5. Update on the RfG, DCC & HVDC Derogation Requests and DCC RfAs
Action 6(e): Miriam Ryan (TSO Member) to follow up on the timeframe for the issue of the next generation of the RfG Network Code.
Update – given the level of comments received in relation to the first generation of Connection Codes (in excess of 1000 comments) no timeframe has been made available as of yet.
6. Update on the HVDC Decision Paper
Action 9(d): Miriam Ryan (TSO Member) will discuss specific requirements off-line with Colin D'Arcy and with Paul McGoldrick, the project manager.
Closed – the engagement took place.
Action 9(f): Miriam Ryan (TSO Member) noted that these are very much site specific but will follow up with the Project Manager and will follow up off-line with Cormac.
Closed – it has been confirmed that the functional specs are site-specific.
7. FRT for PPMs Update
Action 14(c): The TSO will circulate a response to the comments from IWEA, and will work towards finalising all the supplementary documents.
Closed – an update will be provided as per today's agenda.
8. Actions carried over from the previous meeting:
TSO to bring a DCC User Operational Notification business process to the panel members at the next GCRP meeting.
Open - this action remains outstanding; work is underway as to how best to progress and the TSO will revert to members as soon as possible.
Alan Rogers (TSO) to provide a PPM FRT Update presentation at a DCRP Meeting – the date to be arranged with Tony Hearne (DSO).
Open – this will take place once the clarification notes and guiding principles have been fully agreed with IWEA.
Following a request from Peter King (Non-Synchronous Renewable Generator) for a timeline on the completion of the Interpretation of the Registered Capacity piece of work, Miriam Ryan (TSO Member) agreed to bring a timeline to the GCRP members at the next meeting.
Closed – an update was provided by Miriam Ryan (Chair) at the JGCRP meeting.

2. Proposed Modification MPID 289 – Incorporation of the HVDC Parameters

- a) Niamh Daly (TSO Member) presented slides (3 to 8 inclusive) on modification proposal MPID 289, incorporation of the HVDC parameters in to the Grid Code.
- b) No comments, questions or objections were raised by the panel members.
- c) **ACTION: The TSO will issue a modification recommendation paper to the CRU for their review and approval.**

3. Proposed Modification MPID 290 - Incorporation of the HVDC Derogation Process

- a) Anne Trotter (TSO Member) presented slides (9 to 12 inclusive) on modification proposal MPID 290, incorporation of the HVDC Derogation Process in to the Grid Code.
- b) Karl O’Keeffe (Interconnectors) highlighted the good work that has been done by the TSO with the incorporation of the parameters. In advance of today’s meeting he discussed the modification proposal with Colin D’Arcy (Greenlink) and they have two observations to make:
 - 1. What is the TSO process around the setting and agreement of site-specific requirements?
 - 2. An Interconnector will struggle to develop a Cost Benefit Analysis and will struggle to assess the impact on cross-border trade without the assistance of the TSO, both are required as part of a derogation application.
- c) In relation to point 1 above, the TSO will assign a Project Manager to the Interconnector Owner. The assigned PM, along with a representative from the Grid Code team and a representative from the EirGrid Interconnector Team will work with the Interconnector Owner to agree the site-specific values.
- d) In relation to point 2 above, it was agreed that a collaborative approach is essential and the TSO will assist the Interconnector in the development of the CBA and in the assessment of the impact on cross-border trade.
- e) No further comments, questions or objections were raised by the panel members.
- f) **ACTION: The TSO to issue a modification recommendation paper to the CRU for their review and approval.**

4. Proposed Modification MPID 291 - Incorporation of the HVDC Operational Notification Process for Interconnectors

- a) Niamh Daly (TSO Member) presented slides (13 to 17 inclusive) on modification proposal MPID 291, incorporation of the HVDC operational notification process for Interconnectors into the Grid Code.
- b) Colin D’Arcy (Greenlink) questioned the status of a checklist and the accompanying timeline that will underpin this process.
- c) Miriam Ryan (Chair) confirmed that the Testing and Commissioning team are working on such a checklist and once the proposed modification is approved they should be in a position to publish the checklist and accompanying timeline.
- d) No further comments, questions or objections were raised by the panel members.
- e) **ACTION: The TSO to issue a modification recommendation paper to the CRU for their review and approval.**

5. Proposed Modification MPID 292 – Incorporation of the HVDC Operational Notification Process for DC-connected PPMs

- a) Niamh Daly (TSO Member) presented slides (18 to 22 inclusive) on modification proposal MPID 292, incorporation of the HVDC operational notification process for DC-connected PPMs in to the Grid Code.
- b) Mark Coleman (Non-synchronous Renewable Generation) queried the receipt of a fast-signal for Frequency Response by DC-connected PPMs.
- c) Miriam Ryan (Chair) noted that the term fast-signal is from the European Network Code. The term is new to the EirGrid Grid Code and applicable to DC-connected PPMs only. DC-connected PPMs are one step back from the Transmission System and do not have access to a frequency measurand. Essentially, this signal would act as the frequency reference for a conventional governor.
- d) No further comments, questions or objections were raised by the panel members.
- e) **ACTION: The TSO to issue a modification recommendation paper to the CRU for their review and approval.**

6. Status Update on Derogations

- a) Anne Trotter (TSO Member) provided an update on Derogation applications, assessments and approvals (slides 23 to 25 inclusive).
- b) No comments were received.

7. FRT PPM Update

- a) Alan Rogers (TSO Presenter) provided an update on the FRT for PPMs (slides 26 to 28 inclusive).
- b) Version 1.0 of the Simulation Compliance document has been finalised and will be issued following this meeting.
- c) The intention is to publish the document on the EirGrid website.
- d) No comments were received.
- e) **ACTION: On issue of the Minutes the TSO will provide a website link to the Simulation Compliance document or attach the document to the email.**

8. Energy Storage Implementation Update

- a) Eamon Garrigan (TSO Presenter) provided an update on the facilitation of Battery Energy Storage, slides 29 to 31 inclusive.
- b) Eamon Garrigan (TSO Presenter) confirmed that he had received industry feedback from Tom Birney (Battery Storage) via Simon Tweed.
- c) Tom Birney (Battery Storage) noted that industry is keen to engage with EirGrid and would like to discuss their concerns. They are also keen to see a timeline.
- d) **ACTION: Eamon Garrigan (TSO) will engage with Tom Birney (Battery Storage) to arrange a meeting come May/June 2021.**

9. CRU Update

- a) Dylan Ashe (CRU) provided a verbal update. The CRU is working through derogation assessments and modification recommendations. Now that the PR5 process is closed, the CRU's focus is on the future arrangements for Systems Services and an update will be issued shortly.

10. Offshore – the next steps to incorporate the RfG requirements into the Grid Code

- a) Niamh Daly (TSO Member) presented slides (34 to 36 inclusive) on the next steps to incorporating the RfG requirements for offshore in to the Grid Code.
- b) The key with the definition of offshore is that the location of the connection point is offshore.
- c) The time is now right to commence the process of incorporating the approved parameters in to the Grid Code in order to prepare for future offshore PPM connections.
- d) Peter King (Non-Synchronous Renewable Generators) queried:
 - 1. What type of connection would be used for an offshore PPM.
 - 2. Is this similar to the “Centralised Model” contained within the Navigant report?
- e) In relation to point 1 above, Miriam Ryan (Chair) commented that under the RfG an offshore connection point is an offshore substation that collects connections from a number of PPMs.
- f) In relation to point 2 above, Miriam Ryan (Chair) commented that the Grid Code team is unfamiliar with the Navigant report and will take an action to review it and respond to the query.
- g) Mark Coleman (Non-Synchronous Renewable Generators) asked if there are any material difference between the requirements for offshore PPMs versus onshore PPMs. Miriam Ryan (Chair) noted that they have been aligned as much as possible.
- h) **ACTION: Miriam Ryan (Chair) will review the Navigant report, determine what the “Centralised Model” is and inform Peter King (Non-Synchronous Renewable Generators) if this offshore is one of the connection types included in this model.**

11. AOB

- a) No items were raised by the members under AOB.