

Approved Minutes of the Ireland Grid Code Review Panel (GCRP) Meeting
EirGrid Conference Call
02 July 2020

Member Attendance:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Arthur Moynihan	Y	Ireland GCRP Chair	EirGrid
Miriam Ryan	Y	TSO Member	EirGrid
Anne Trotter	Y	TSO Member	EirGrid
Michael McCormack	Y	Grid Connected Thermal Generators	Bord na Móna
Jennifer Geraghty	Y	Grid Connected Thermal Generators	SSE
Rory Griffin	Y	Grid Connected CCGT Generators	Bord Gais Energy
Daniel Grandjean	Y	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	Y	ESB PES	Electric Ireland
Position open		Independent Electricity Supplier	
Cormac Fitzpatrick	Y	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	Y	Distribution System Operator	ESB Networks
Paddy Finn	Y	Grid Connected Demand Side Units	Electricity Exchange
Lisa McMullan	N	Grid Connected Demand Side Units	Grid Beyond
Katie McArdle	Y	Grid Connected Demand Customers	Amazon

Other Attendees:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Arlene Chawke	Y	GCRP Secretary	EirGrid

Alan Rogers	Y	TSO Presenter	EirGrid
Darren Molloy	Y	TSO Observer	EirGrid
Gvidas Kiseliovas	Y	TSO Observer	EirGrid

1. Introduction to Ireland GCRP Meeting & Approval of Minutes

- a) Arthur Moynihan (Chair) welcomed all members, observers and presenters to the meeting. Arthur further extended a welcome the new members who have recently joined the panel.
- b) The Minutes from the previous meeting had been circulated, no comments were received and the Minutes had been deemed approved.
- c) Arthur Moynihan (Chair) reviewed the actions from the [Previous Meeting](#) (19 November 2019). An update is provided below on the actions that did not have a post-meeting note in the previous Minutes:

MPID 276(a) – Incorporation of DCC Non-Exhaustive Parameters

- **Action 2(b):** Following a query from Cormac Fitzpatrick (TAO) the TSO agreed to look at providing definitions for Non-Network Code User and Network Code User to make it clearer for Users of the Grid Code.

Update: Action complete, the terms have been removed.

- **Action 2(m):** TSO to confirm the mechanism under which DSUs are subject to Grid Code.

Update:

The TSO is still working on this and will revert with an update at an upcoming Grid Code Review Panel meeting

Proposed Modifications

- **Action: 3(c), 4(l), 5(b):** Ensure the term WFPS is replaced by PPM through-out all proposed modifications.

Update: Action complete, this was captured throughout the documents submitted to the CRU.

MPID 277 – PPM FRT and Reactive Current Rise and Settling Times - Post-fault Recovery of Active and Reactive Power

- **Action 6(c):** Peter King (Non-Synchronous Renewable Generators) to ensure response is issued to the TSO from IWEA on the proposed modification
- **Action 7(b):** Peter King (Non-Synchronous Renewable Generators) will ensure that the finalised IWEA position is submitted to the TSO.
- **Action 7(c):** TSO/IWEA to organise a further workshop to discuss and to develop the agreed modification proposals for the next GCRP meeting.
- **Action 7(d):** TSO/IWEA to ensure an agreed position and proposed modification is prepared one month in advance of the next meeting (mid to end March) to allow for the governing timeframes for proposed modifications.
- **Action 7(f):** TSO/IWEA to consider Mark Coleman's comments noted above during future discussions.

Update: A number of engagements had taken place with IWEA and a PPM FRT update will take place during this meeting as per agenda.

Follow on from the JGCRP discussion item on the application of Connection Network Codes to existing users following a modernisation or replacement of equipment.

- **Action 8(c):** William Carr (Pumped Storage) will forward details of the Expert Group - Criteria for Significant Modernisation to the TSO.

Update post meeting: Information received 02 July.

- **Action 8(e):** The TSO to circulate the discussion paper along with the Minutes and the members have until 20 December to submit their feedback. In early 2020 the TSO and the DSO will submit a joint proposal to the CRU for agreement.

Update: No feedback received. Paper has been submitted to CRU for comment

Interpretation of Registered Capacity Definition

- **Action 9(m):** The TSO will circulate a discussion paper on Registered Capacity. The TSO welcomes industry feedback. Following this the TSO will bring back a full interpretation paper on Registered Capacity next year.

Update: Some comments were received. It soon came to the attention of the TSO that this is a bigger piece of work, with many strands. The TSO needs to ensure new technology is adequately captured. A lot more work to be done on this and the TSO will ensure that the panel members are kept informed as the work progresses.

AOB

- **Action 11(a):** The TSO to consider including a definition for ACER in the Grid Code.
- **Action 11(b):** The TSO is to look at clarifying the application of controllability down to 1 MW to Battery Storage.

Update: This is now being reviewed and developed through FlexTech. A modification to the Distribution Code has recently been approved. However there is a wider issue relating to the operational use of the controllability.

- d) Tony Hearne (DSO) noted that he is not entirely sure what the wider issue is given that the 1 MW pathway has been established.
- e) Mark Coleman (Non-Synchronous Renewable Generators) requested a follow up to his recommendation to invite a Battery Storage representative to the panel. Arthur Moynihan (Chair) provided an update. This is being looked at through the FlexTech forum and the TSO hope to have an appropriate member in place before the next GCRP meeting.

2. Proposed Modification MPID 276(a) Update on the Incorporation of DCC non-exhaustive parameters

- a) Miriam Ryan (TSO Presenter) presented slides (3 to 8 inclusive) on the revisited and revised modification proposal MPID 276(a), update on the Incorporation of DCC non-exhaustive parameters.
- b) No comments or questions were received from the panel members.

- c) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

3. Proposed Modification MPID 281 – DCC Derogation Process

- a) Anne Trotter (TSO Member) presented slides (9 to 11 inclusive) on modification proposal MPID 281, DCC Derogation Process.
- b) Tony Hearne (DSO) made the point that there is potential for confusion with regard to the 'boxing off' of the requirement in the Grid Code i.e. what form/process applies to existing users and a DCC user. He recommended that further guidance be provided to users.
- c) Anne Trotter (TSO Member) provided reassurance in that any possible errors will be caught during the derogation validation process and this is the first step in the process.
- d) No further comments or questions were received from the panel members.
- e) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

4. Proposed Modification MPID 282 - DCC Operational Notification Process

- a) Miriam Ryan (TSO Member) presented slides (12 to 16 inclusive) on modification proposal MPID 282, DCC Operational Notification Process.
- b) Miriam Ryan (TSO Member) added that there is no existing operational notification requirement for Demand Users in the Grid Code. Over the next few weeks the TSO intends to develop a business process and the TSO will revert back to the GCRP members at the next GCRP meeting.
- c) No comments or questions were received from the panel members.
- d) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval**
- e) **ACTION: TSO to bring a DCC User Operational Notification business process to the panel members at the next GCRP meeting.**

5. Proposed Modification MPID 284 – PC.A8.2 and PC.A8.5 Simulation Compliance

- a) Alan Rogers (TSO) presented slides (17 to 22 inclusive) on modification proposal MPID 284, amendments to PC.A8.2 and PC.A8.5.
- b) **ACTION: The TSO to circulate the Supplementary Document containing all modelling and simulation details with the Minutes to this meeting.**
- c) **ACTION: Arthur Moynihan (Chair) encouraged members to provide comments to this document when they receive it with the Minutes (within ten working days of receipt of the Minutes and document).**
- d) Peter King (Non-Synchronous Renewable Generators) welcomed this document; he said there was an industry need for a non-project specific style document of this type. Peter King

further requested that any future changes to this supplementary document be brought back to the GCRP for their information.

- e) Alan Rogers (TSO) agreed that changes to the supplementary document will be brought to the panel members for their information.
- f) No further comments were received in relation to this modification proposal.
- g) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval**
- h) **ACTION: TSO to issue the supplementary paper on simulation compliance with the Minutes.**

6. Proposed Modification MPID 279 – Correction of Connection Voltage Graphs for 110kV and 220KV Systems under PPM1.6.3.4

- a) Miriam Ryan (TSO Member) presented slides (23 to 26 inclusive) on modification proposal MPID 279, correction of connection Voltage graphs for 110kV and 220KV systems under PPM1.6.3.4.
- b) No comments or questions were received in relation to this modification proposal.
- c) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

7. Proposed Modification MPID 278 - Correction of Reactive Power Capability Requirements under CC.7.3.6.1

- a) Miriam Ryan (TSO Member) presented slides (27 to 30 inclusive) on MPID 278, correction of Reactive Power capability requirements under CC.7.3.6.1.
- b) Tony Hearne (DSO) raised the possibility that this raises a requirement to modify the Distribution Code and would like to discuss with the TSO off-line.
- c) **ACTION: Miriam Ryan (TSO) and Tony Hearne (DSO) to discuss a similar modification that is required to the Distribution Code.**
- d) Mark Coleman (Non-Synchronous Renewable Generator) raised a conflict with the proposed change to the voltage graphs in modification proposal MPID 279 – 0.9 per unit.
- e) Miriam Ryan (TSO) acknowledged the conflict in the voltage graphs but added that the RfG does not distinguish between normal operation and post-fault operation and suggested that the TSO bring this as an amendment to the Network Code CAT (Code Amendment Team).
- f) **ACTION: Miriam Ryan (TSO) to look into bringing an amendment to the CAT.**
- g) No further comments received.
- h) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

8. Modification Proposal MPID 280

- a) Arlene Chawke (GCRP Secretary) presented slides (31 to 33 inclusive) on MPID 280, removal of the duplicated clause OC.9.4.1 and replacing the correct text for OC.9.4.2 (as per modification proposal paper MPID 280).

- b) No comments were received.
- c) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

9. Modification Proposal MPID 283

- a) Arlene Chawke (GCRP Secretary) presented slides (34 to 36 inclusive) on MPID 283, removal of typo error in the list of additional sections of the Grid Code that apply to PPMs (as per revised modification proposal paper MPID 283).
- b) No comments were received.
- c) **ACTION: TSO to issue a modification recommendation paper to the CRU for their review and approval.**

10. DCC Articles 27 to 30 – retaining these articles outside of the Grid Code

- a) Miriam Ryan (TSO Member) presented slides (37 to 42 inclusive) on this information agenda item.
- b) Paddy Finn (Demand Side Units) queried the unit type for the market registration of DSUs.
- c) **ACTION: Miriam Ryan (TSO) to follow on the unit type for the market registration of DSUs and revert to Paddy Finn (Demand Side Units).**

11. PPM FRT Update

- a) Alan Rogers (TSO Presenter) presented slides (43 to 47 inclusive) on this information agenda item.
- b) Alan Rogers (TSO) expressed thanks to IWEA and in particular to David McMullan for all the engagement on this. The TSO came to the conclusion that no modification was required to the Grid Code. It was agreed with IWEA that the TSO will issue a Grid Code clarification note along with guiding principles to be used when assessing Grid Code compliance.
- c) Peter King (Non Synchronous Renewable Generation) welcomed this positive development. Peter further recommended that any subsequent changes to the guiding principles be brought to the GCRP members for their information.
- d) Alan Rogers (TSO) agreed that any future changes to the clarification note or guiding principles be brought to the GCRP members for information.
- e) **ACTION: The TSO to issue a Grid Code clarification note along with guiding principles with the Minutes of this meeting.**
- f) Tony Hearne (DSO) recommended that Alan Rogers provides a similar presentation to the DCRP members.
- g) **ACTION: Alan Rogers (TSO) to provide a PPM FRT Update presentation a DCRP Meeting – the date to be arranged with Tony Hearne (DSO).**

12. CRU Update

- a) Dylan Ashe (CRU) provided further updates:
- Up to now the main focus for the CRU has been System Services and PR5;
 - Recognition was given to the backlog of derogation applications and upcoming modification recommendations and this will now be the focus for the CRU.

13. AOB

- **ACTION: 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.**
- Arthur Moynihan (Chair) requested that the members provide feedback on the GCRP meeting conducted via conference call. Did it meet everyone's expectations? Did members have ample opportunity to have their opinion heard?
- **ACTION: Members to provide feedback on the GCRP meeting conducted via conference call.**
- Mark Coleman (Non-Synchronous Renewable Generators) recommended the use of Microsoft Teams.
- Arthur Moynihan (Chair) noted that Microsoft Teams is currently being rolled out in EirGrid and the TSO can consider this for the next meeting. Arthur thanked everyone for attending the meeting. The meeting came to a close.