

Summary Minutes of the Joint Grid Code Review Panel (JGCRP)

Ballsbridge Hotel, Dublin 2

31 January 2018

Member Attendance:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Marie Hayden	Y	Ireland GCRP Chairperson	EirGrid
Raymond Skillen	Y	Northern Ireland GCRP Chairperson	SONI
Lisa McMullan	Y	TSO Representative	EirGrid
Anne Trotter	Y	Deputy Ireland GCRP Chairperson	EirGrid
Michael McCormack	Y	Grid Connected Thermal Generators	Bord na Móna
Position open		Grid Connected Thermal Generators	
Rory Griffin	Y	Grid Connected CCGT Generators	Bord Gais Energy
Colin D’Arcy	Y	Grid Connected CCGT Generators	Energia
Mark Coleman	N	Grid Connected Non-Synchronous Renewable Generators	SSER
Position open		Grid Connected Non-Synchronous Renewable Generators	
William Carr	Y	Grid Connected Pumped Storage	ESB GWM
Keith Russell	Y	Grid Connected Synchronous Renewable Generators	ESB GWM
Pat O’Donnell	Y	Grid Connected Fast Peaking Plants	SSE
Sean Doolin	N	ESB PES	Electric Ireland
Brian Larkin	Y	Independent Electricity Supplier	Bord Gais Energy
Ellen Diskin	N	Transmission Asset Owner	ESB Networks TAO
Mo Cloonan alternate for Robert O’Rourke	Y	Regulator	CER
Philip Jordan	N	Irl - Interconnector Owner	East Interconnector West
Christopher Goodman	Y	Market Operator	SEMO
Alex Stefanov	Y	Distribution System	ESB Networks

alternate for Tony Hearne		Operator	
Paddy Finn	Y	Grid Connected Demand Side Units	Electricity Exchange
Alan Foley	Y	Grid Connected Demand Side Units	Veolia
Position open		Grid Connected Demand Customers	
Conor O'Doherty	Y	TSO Representative	SONI
Karen O'Doherty	Y	TSO Representative	SONI
Alastair Cooke	Y	TSO Representative	SONI
Jim Cooke	N	Generators	Coolkearagh ESB
Sam Gibson alternate for Stephen Hemphill	Y	NI – Interconnector Owner	Moyle Interconnector
Cathal Martin	Y	Generators	SSER
Tony McElroy	N	Generators	Energia
Ciaran MacCann	Y	Regulator	NIAUR
Ronan McKeown	Y	TNO	NIE (TC)
Ian Bailie	Y	DNO	NIE (DO)
Mervyn Adams	N	Renewable Energy	ESB
Brian Mongan alternate for Denis McBride	Y	Generators	AES
Sam Alexander	N	Demand Side Units	Powerhouse DSU
William Steele	N	Generators	Power NI
Joe Coyle	N	Generators	Coolkearagh ESB
Alan Kennedy	Y	TSO Representative	SONI

Other Attendees:

<u>Name</u>	<u>Present</u>	<u>Role</u>	<u>Company</u>
Arlene Chawke	Y	JGCRP Secretary	EirGrid
Louis Fisher	Y	TSO Presenter	EirGrid
Ross Fallon	Y	TSO Presenter	EirGrid
Miriam Ryan	Y	TSO Observer	EirGrid
Maria Madders	Y	TSO Observer	EirGrid
Ian Stevenson	Y	TSO Observer	SONI
Esther Fructuoso	Y	Observer	CER
Angela Blair	Y	Observer	Power NI PPB

1. Introduction to JGCRP Meeting & Approval of Minutes

- a) Marie Hayden (Ireland Chair) welcomed all members, observers and presenters to the meeting. A round table of introductions took place.
- b) Apologies were received from Mark Coleman, Jim Wynne, Sean Doolin, Tony Hearne, Brian Brady and Ellen Diskin.
- c) The secretary had received comments to the previous meeting Minutes. The Minutes including the comments were circulated to the panel members for review. No objections to the comments were made and the Minutes were deemed approved.
- d) Marie Hayden (Ireland Chair) reviewed the action from the previous meeting.

2. Heat States Working Group

- a) Alan Kennedy (TSO Rep) the Chair of Working Group provided a presentation.
- b) No objections were raised to the final proposal made by the Working Group and a recommendation will be submitted to the Regulators for their approval without any further consultation.
- c) **ACTION – TSOs to submit a recommendation to the Regulators for their approval.**

3. Working Group Hybrid Sites Update

- a) Conor O'Doherty (TSO Rep) provided a verbal update.
- b) The following are the main topics that the group are working through:
 - i. The ability of the TSOs to contract with multiple entities behind one connection point;
 - ii. The flexibility of the over-install MEC figure of 20%.
- c) The over-install figure of 20% was initially introduced to resolve the following issues, including but not limited to:
 - i. Increased fault levels;
 - ii. Requirement to control small sites to avoid an increase in uncontrolled generation;
 - iii. Increased capacitive effects of local collector networks, with greater potential for harmonic distortion, generation of reactive power, switching transients;
 - iv. Higher capacity factors leading to increased levels of constraints and curtailment and possibility of new ATRs being associated with additional installed capacity;
- e) If anyone would like to participate in the working group as an observer please send an email to gridcode@eirgrid.com. An observer is welcome to dial in and listen to the meetings and receive agendas and minutes.

4. Enhanced Performance Management System (EPMS) Working Group Update

- a) Ross Fallon (EirGrid) provided a presentation.
- b) The TSOs are seeking expressions of interest from each technology type to participate in the process of trialling the EPMS tool. Interested parties are being asked to submit an email to gridcode@eirgrid.com by 16 Feb 2017 – with a view to commencing the process in March for a period of three to six months.

5. Planned Plant Closure Update

- a) Louis Fisher (EirGrid) provided a presentation.
- b) The representatives for Grid Connected CCGT Generators expressed concerns with possible market advantage being created with the issuing of additional contracts for system services (e.g. contracts for voltage) to units in the same constraint area. It was stressed that a level playing field should be maintained.
- c) William Carr (Grid Connected Pumped Storage) noted that transparency is vital if out of markets contracts are being issued.

6. Network Codes Update

- a) Lisa McMullan (TSO Rep) provided a presentation on the most recent Network Codes activities.
- b) Marie Hayden (Ireland Chair) further noted that under the Emergency Restoration code a number of deliverables are due later in the year; the TSOs are required to submit a number of plans to the Regulators for their approval, including the market suspension plans and some of the terms and conditions for service providers. The TSOs are not looking to fundamentally change today's philosophy that underpin how we restore the system from a blackout or how we protect the system from a blackout – it will be an exercise in documenting it in line with the Network Codes and using the Network Code terminology. Ireland has received a number of derogations against the Electricity Balancing Code up to the end of 2019. A body of work is required to understand what Electricity Balancing means for Ireland and Northern Ireland, especially in light of Brexit. This body of work will commence after the completion of I-SEM.

7. FRT Subsequent Faults Update

- a) Lisa McMullan (TSO Rep) provided a presentation.
- b) Lisa McMullan (TSO Rep) clarified that the TSO engaged with all OEMS that are active in the market but only four responses were received.
- c) **ACTION: TSO to provide an update at the next JGCRP**

8. Northern Ireland Proposed Modifications

- a) No modifications being proposed.

9. Ireland Proposed Modifications

- a) One modification being proposed – clarification to Grid Connected Transformer Neutral Earthing Requirements.

10. Regulatory Updates

- a) No Updates.

11. AOB

- a) Mo Cloonan (Regulator) highlighted that under the RfG Network Codes that for any Connection Agreement that is in place but the plant has yet to be purchased and the

purchase of plant will take place after the 17 May 2018 the connection requirements will have to comply with the RfG requirements and the SOs are reviewing the Connection Agreements that fall into this category.

- b) Marie Hayden (Ireland Chair) further expanded that the RfG does not provide a definition of a Substantive Modification to existing plant. There is a reasonableness piece around this for example if you modify an AVR you are expected to comply with the voltage regulation requirements of the RfG but that would not necessarily change the system restoration requirements. If a plant is completely repowered then the plant will need to fully comply with the RfG code. The plant modification will be dealt with on a case by case basis in discussion with the generator in question. Lisa McMullan (TSO Rep) stated that she has just returned from a meeting in Brussels and this was one of the topics discussed at the meeting. European TSOs are taking the same approach, and this is supported by ENTSO-E.
- c) **ACTION: Following a query from Rory Griffin (Grid Connected CCGT Generators) on the performance monitoring of severe frequency events Ross Fallon (EirGrid) will check the detail of recovery cut off points.**