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

08 March 2022

Member Attendance:

Name	Present	Role	Panel
Miriam Ryan	Y	EirGrid GCRP Chair	EirGrid
Niamh Daly	Y	TSO Member	EirGrid
Anne Trotter	Y	TSO Member	EirGrid
Michael McCormack	Y	Grid Connected Thermal Generators	EirGrid
Jennifer Geraghty	Y	Grid Connected Thermal Generators	EirGrid
Oliver Caherty	Y	Grid Connected CCGT Generators	EirGrid
Daniel Grandjean	N	Grid Connected CCGT Generators	EirGrid
Mark Coleman	Y	Grid Connected Non-Synchronous Renewable Generators	EirGrid
Peter King	Y	Grid Connected Non-Synchronous Renewable Generators	EirGrid
Paraic Higgins	Y	Grid Connected Pumped Storage	EirGrid
Position Open		Grid Connected Synchronous Renewable Generators	EirGrid
Bojan Vijackic	N	Grid Connected Fast Peaking Plants	EirGrid
Mark Phelan	N	ESB PES	EirGrid
Position open		Independent Electricity Supplier	
Neil O'Sullivan	N	Transmission Asset Owner	EirGrid
Dylan Ashe	N	Regulator	EirGrid
Karl O'Keeffe	N	IE - Interconnector Owner	EirGrid
Lenka Poskova	Y	Market Operator	EirGrid
Tony Hearne	Y	Distribution System Operator	EirGrid
Vlastik Buzek	Y	Grid Connected Demand Side Units	EirGrid
Paul Troughton	Y	Grid Connected Demand Side Units	EirGrid
Gavin McClean	Y	Grid Connected Demand Customers	EirGrid
Tom Birney	N	Battery Storage	EirGrid
Carlos Galvan	Y	Solar Generation	EirGrid
Marie-Therese Campbell	Y	JGCRP GCRP Chair	SONI

Sam Matthews	Y	Vice SONI Char	SONI
Daniel McSwiggan	Y	TSO Member	SONI
Brian Mongan	Y	Aggregator Member	SONI
Cathal Martin	Y	RES – Large Scale Generation	SONI
Neil Johnston	Y	Interconnector Owners - NI	SONI
Stephen Brownlees	Y	Generators - NI	SONI
Tim Steele	Y	UR Alternate	SONI
Sarah Friedel	Y	TSO Member	SONI
Willian Deane	Y	RES – Small Scale Generation	SONI
Chris McAnearney	Y	RES - Photovoltaic System	SONI
Lauren Skillen-Baine	Y	SEM Operator	SONI

Other Attendees:

Name	Present	Role	Panel
Arlene Chawke	Y	TSO Secretary	EirGrid
Gill Nolan	Y	Alternate EirGrid Chair	EirGrid
Oscar Carty	Y	Presenter	EirGrid
John Carnwath	Y	Observer	EirGrid
Martin Kerin	Y	Observer	EirGrid
Rebecca Russell	Y	Observer	SONI
Roisin McLaughlin	Y	Regulatory Observer	SONI

1. Introduction to JGCRP Meeting & Approval of Minutes

a) Marie-Therese Campbell (JGCRP Chair - SONI) welcomed all members, observers and presenters to the meeting.

b) The comments that were received to the previous meeting minutes were accepted by the members and the minutes were deemed approved.

c) Marie-Therese Campbell (JGCRP Chair - SONI) reviewed the actions from the previous meeting:

i. Miriam Ryan (EirGrid GCRP Chair) passed on the concerns raised by Cathal Martin (SONI RES - Renewable Generation) to the TSO working group. Cathal Martin confirmed that engagement has yet to take place with Wind Energy Ireland and he would like the action to remain open.

Action: Closed

Cathal Martin confirmed the action is closed.

ii. Jody O'Boyle (UR) highlighted that the figure of 4 MW is referenced in Demand Side Generator licences, this may need to change if this Grid Code change goes ahead. Following on from the observation made by

Jody O'Boyle (UR), Dylan Ashe (CRU) took an action to check the Demand Side Generator licences in Ireland - is 4 MW.

Action: Closed

Tim Steele (UR) added that inconsistencies exist between Demand Side Generator licences and the SONI Grid Code and confirmed that a modification to the SONI Grid Code will most likely lead to a modification to the licence.

Post meeting response from Dylan Ashe (CRU): The CRU does not grant licences to Demand Side Units, the CRU grants a standard generator licence if there is a generation unit associated with the DSU. There are no DSU specific clauses within such licences so they would not have a 4 MW limit.

2. Update on the Review of Registered Capacity Definition

a) Daniel McSwiggan (SONI Member) presented slides (slides numbers 3 – 12) on the outcome of the work done to date by the working group, made up of the four SOs, on the review of the Registered Capacity definition.

b) Cathal Martin (SONI RES - Renewable Generation) raised a concern for windfarms if the calculation of Reactive Power requirements were to be based on Installed Capacity rather than MEC.

c) Tony Hearne (DSO - ESBN) confirmed that the concern raised is valid. The review is in the early stages of development and the working group is very much aware of the inter-relationships that Registered Capacity has on other calculated requirements. Reactive Power is one example of many.

d) Brian Mongan (SONI Aggregator Member) queried why there is no reference to Demand Side Units and the Capacity Market Code.

e) Miriam Ryan (EirGrid GCRP Chair) confirmed that a cross reference with other codes will take place in phase three of the project plan. Up to now the review has focused on traditional standalone generation and that they will next examine Demand Side Units.

f) Tony Hearne confirmed that the working group will examine macro and micro generation and everything in between.

g) Peter King (EirGrid - Non-Synchronous Renewable Generators) raised a concern that capacity for throttling devices is defined in MVA whereas the review to date is based on MW.

h) Tony Hearne confirmed that Peter's point is valid and that the working group are mindful of this.

i) Following a query from Mark Coleman (EirGrid - Non-Synchronous Renewable Generators) Miriam Ryan confirmed that the Register Capacity interpretation paper published by EirGrid and the current definition of Registered Capacity will remain valid until a new definition is agreed i.e. Registered Capacity = Lower of MEC and Installed Capacity for standalone, renewable sites. The working group encourages all members to provide feedback to the draft wording to the email addresses gridcode@eirgrid.com and

gridcode@soni.ltd.co.uk by 08 April 2022. Today's slides will also be presented at the DSO forums and feedback will be encouraged at these meetings too.

3. Low Carbon Sources of Inertia Update

a) Oscar Carty (EirGrid) presented an update on the Low Carbon Sources of Inertia (LCSI) implementation project. The project includes reviewing the impact of LCSI devices on the EirGrid and SONI Grid Codes, among other items. He presented the Implementation Note timeline and encouraged feedback and engagement from industry.

b) **ACTION:** Following a query from Peter King (EirGrid - Non-Synchronous Renewable Generators), Oscar Carty will follow up with the Compliance and Testing Team on a generic Signal List.

   Post meeting note: Oscar Carty confirmed that the Signal List will be progressed in parallel. A generic signal list will be shared after the Implementation Note is published.

c) Jennifer Geraghty (EirGrid - Thermal Generators) asked how industry feedback will be gathered for version 2. Oscar Carty stated it would be from direct industry feedback and operational experience.

4. Regulatory Updates

a) **Post meeting note from Dylan Ashe (CRU)**: The CRU plan to engage with the UR on the modification recommendations on the demand side max downtime.

b) Tim Steele (UR) noted that the UR are currently engaged with SONI on several modifications which will be discussed at the SONI GCRP Meeting.

5. AOB

a) Jennifer Geraghty (EirGrid - Thermal Generators) would like to discuss several queries on the topic of LCSI with Oscar Carty (EirGrid). It was recommended that she submits those queries to gridcode@eirgrid.com and gridcode@soni.ltd.uk and the discussion can take place.