MINUTES OF THE GRID CODE REVIEW PANEL MEETING

Held at the Radisson SAS Hotel, The Gasworks, 3 Cromac Place, Ormeau Rd, Belfast

On 20 May 2010 at 13:10am

PANEL ATTENDEES

Name		Present	Role
Jon O'Sullivan	JOS	Y	Chairman
Jane McArdle	JMcA	Y	Renewable Generators
Gráinne O'Shea	GOS	Y	ESBPG
Chevron Nolan	CN	Y	ESBPES
Ger Harnett	GH	Y	Independent Electricity Supplier
Rónán Ó hÓgartaigh	RO	Y	Distribution System Operator
John Lynch	JL	Y	CER
Simon Grimes	SG	Y	EirGrid Representative
Mark Norton	MN	Y	EirGrid Representative
Liam Ryan	LR	Y	Market Operator
Barry Sherry	BS	Y	Endesa (Alternate)
Peter Gillespie	PG	Y	IPP Generators (exl. Renewables and CCGT)
Brian Williams	BW	Y	HVDC Interconnectors
Yazhou Lei	YL	Y	Renewable Generators

OTHER ATTENDEES

Name		Present	Role
Arlene McGrath	AMcG	Y	GCRP Secretary
Miriam Ryan	MR	Y	EirGrid (Advisor)
Anne Trotter	AT	Y	EirGrid (Advisor)
William Johnston	WJ	Y	EirGrid (Advisor)
Mark Vesey	MV	Y	Viridian Power and Energy (Observer)

APOLOGIES

Name		Present	Role
Conor Healy	CH	N	Transmission Asset Owner

Introduction to GCRP meeting & Approval of Minutes

1. The Chairman welcomed Panel Members to the meeting and provided an overview of the agenda.

2. The position representing Grid Connected Independent CCGT remains open. The constituents have submitted their nominations and they must now come together to agree a panel representative and an alternate.

3. The Chairman noted apologies received from Conor Healy.

4. The Chairman welcomed new panel members Brian Williams (HVDC Interconnector) and Yazhou Lei (Renewable Generators) to the panel.

5. Miriam Ryan (EirGrid), Anne Trotter (EirGrid) and William Johnston (EirGrid) attended the GCRP to present some of the items on the agenda.

6. The GCRP approved the minutes of the previous meeting held in Dublin, 27th Jan '09.

Key Principles

MPID 195 Planned Plant Closures **Discussion on Registered Capacity, Maximum Export Capacity and Installed Capacity**	**AT**
• Registered Capacity is a defined term in the Grid Code. It is proposed to make a change to this definition. Registered Capacity is not explicitly documented in the User's Connection Agreement and it is proposed to remove the reference to the User's Connection Agreement in the current Grid Code definition of Registered Capacity. A change to a Generation Unit's Registered Capacity must be communicated to Operational Policy and Performance (OPP). A change to the value of a Generation Unit's MEC must be communicated to GDC Commercial and Pricing. TUoS charges are based on MEC. Installed Capacity is not a defined term and EirGrid proposes to submit a definition at the next GCRP meeting. • The GCRP are happy with the removal of the reference to the User's Connection agreement from the definition of Registered Capacity. **ACTION:** • **Review the existing proposed definition for Registered Capacity and bring it back to the next GCRP meeting.** • **EirGrid to propose a definition for Installed Capacity and bring it back to the next GCRP meeting.** • **EirGrid to develop a form to define a Unit's Registered Capacity and Installed Capacity to be completed at Commissioning Phase.**	

• **It is agreed that EirGrid submit MPID 195 to the CER for their approval.**	

MPID 196 Reporting of Medium/Long Term Operational Characteristics **Interpretation of the term major Outage**	**MR**
• It is not proposed to define the term major Outage in the Grid Code. EirGrid have provided a clarification of the term. EirGrid interpret it to mean any outage of a Generation Unit that meets one or more of the following criteria: ▪ A duration of at least two calendar weeks; and/or ▪ Results in a modification to the Registered Operating Characteristics of the Unit. • GO'S submits that two calendar weeks is extremely onerous and suggested that the duration time should read eight months. • JMcA queried the situation where a wind turbine is out for two weeks for maintenance and the Registered Capacity changes over the two weeks. **ACTION** • **Participants requested to submit an interpretation of major Outage together with evidence to support their interpretation. Submission to be made within two weeks.** • **JMcA to send in the point she made regarding the maintenance of a Wind Turbine.** • **If the GCRP can come to an agreed interpretation of major Outage then EirGrid will submit MPID 196 to the CER for approval, otherwise the interpretation will return to the next GCRP for discussion.**	

Security and Safety – Grid Code **PowerPoint Presentation presented by WJ**	**WJ**
• The main aim is to ensure the security and safety of the transmission system and all personnel constructing, operating and maintaining the system and apparatus connected to the system. The Grid Code should make it explicit that it is the Users responsibility to identify and comply with the appropriate technical or industry standard and it is the responsibility of the User to be aware of amendments to the standards. • DSO and EirGrid require clear, concise and similar standards in both codes. **ACTION:** • **The two code owners will organise to meet to develop the standards/clauses.**	

MPID 198 Automatic Voltage and Power Factor Regulation for Transmission Connected Wind Farms	**MR**
• Currently a DSO connected Wind Farm must provide Power Factor Control and a Transmission connected Wind Farm must provide Voltage Control. There are instances were the use of Power Factor control may be of benefit to the Transmission System, for example, where multiple Wind Farms are connected to the same transmission node, the use of Voltage Regulation may result in 'hunting' between the wind farms but the use of Power Factor control would not. An amendment to clause WFPS1.6.2 is proposed to reflect this. • RH noted that the DSO has noticed that the voltage on the system is rising to the upper limits and this problem seems to occur when Wind Farms are collectively installed. The DSO must also look at MVar and voltage control. • JMcA stated that an additional seven signals would be required. **ACTION:** • **JMcA/YL requested to submit an industry response to this discussion item and will send a copy of a signal adjustment list.**	

• **This item will be brought forward to the next GCRP.** • **EirGrid will submit a proposed modification to the DSO.**	

MPID 197 Controllable Wind Farm Extension	**MR**
• It is proposed to add a definition for 'Controllable WFPS Extension' to the Grid Code glossary and a definition for 'Wind Farm Power Station Extension' to the DSO glossary. • A Transmission connected Wind Farm extension includes the addition of at least one WTG with the effect of increasing the Registered Capacity at its connection point and the WFPS will be dispatchable by the TSO via a single signal. • A Distributed connected Wind Farm extension includes the addition of at least one WTG with the effect of increasing the Registered Capacity at the connection point. Where the aggregate Registered Capacity exceeds 5 MW, the Wind Farm shall be required to be controllable and the Wind Farm shall be dispatchable via a single signal. **ACTION:** • **JMcA and YL to send an industry response to this discussion item. Submission to be made within one week.** • **This item will be brought forward to the next GCRP.** • **EirGrid will take a proposed modification to the DSO.**	

Process of the Treatment of Grid Code Derogation Applications – CER Paper	**JL**
• JL proposed the conditions that will apply to the processing and granting of derogation applications received after the 20th May 2010. • JL also proposed that for all existing derogations received up the 20th may 2010 and for which a decision has not yet been made, the derogation, if granted, will be backdated to the date of receipt of the derogation application.	

• AT noted that the practicalities of the re-settlement must be considered. **ACTION:** • **Participants are requested to submit comments. Submission to be made within two weeks.** • **EirGrid to publish the 'new practice' on the EirGrid website.**	

EirGrid Remote Control of Generation Stations Practice – Discussion Paper	**MR**
• This is a proposed practice and not a Grid Code obligation. • Five categories of practices were discussed: 1. Staffing levels, including during system incidents or emergencies. 2. The control of the generation unit. 3. The operation of the generation unit. 4. Maintenance of the plant. **5.** The appropriateness of a particular station being controlled remotely. • Most of the participants welcomed the contents of the discussion paper. • GO'S agrees with the most of the practises stated in 1-5 but would like to see the term 'must be agreed with the TSO' in point three. JO'S stated that the TSO cannot agree derogations and the CER make the final decision on all derogations. **ACTION**: • **EirGrid to publish the 'new practice' on the EirGrid website.**	

Fault Right Through Working Group – Terms of Reference	**JO'S**

• JOS gave a brief overview and scope of the Working Group. • The Terms of Reference presented to the GCRP are currently in draft format. The first action of the Working Group is to present the Terms of Reference at the next GCRP meeting, however work will commence before the Terms of Reference are agreed by the GCRP. • Meetings are due to take place once a month and the membership of the Working Group will not preclude people from outside of the GCRP. • JO'S noted to keep in mind that the outcome of this Working Group is significant on Generators. • JL, on behalf of the Commission, requested that: a) the apparent inconsistency between the fault clearance times in the Grid Code and in network planning be examined; and, b) consideration be given to acceptable levels of risk associated with system operation and the balance between risk and the economic costs of planning and operating a secure system. **ACTION** o **EirGrid will send out invitations of membership.** o **Participant have been asked to submit any comments on the draft Terms of Reference.** o **The Working Group must submit a Terms of Reference at the next GRCP.**	

CER Updates	**JL**
o **Grid Code Standards for HVDC Interconnectors Consultation** o Four/Five comments received. o CER will progress responses over next week or two. o **Secondary Fuel Consultation** o EirGrid submitted recommendations.	

○ CER expect to publish decision by early July.	

EirGrid Updates	**AT**
○ **Performance Monitoring** ○ AT has met with all the conventional plants with regard to Performance Monitoring and will now visit the Wind Farms. ○ The Performance Monitoring reports will be issued on a quarterly basis and will concentrate on certain criteria within the Grid Code and will be complimentary to the GPIs. Performance Monitoring assists OPP in understanding what the generators can actaully do.	

SUMMARY OF ACTIONS

ACTION	**MEMBER**
MPID 195 Planned Plant Closures • Review the existing proposed definition for Registered Capacity and bring it back to the next GCRP meeting. • EirGrid to propose a definition for Installed Capacity and bring it back to the next GCRP meeting. • EirGrid to develop a form to define a Unit's Registered Capacity and Installed Capacity to be completed at Commissioning Phase. • It is agreed that EirGrid will submit MPID 195 to the CER for their approval.	**EirGrid** **EirGrid** **EirGrid** **EirGrid**
MPID 196 Reporting of Medium/Long Term Operational Characteristics **Interpretation of the term <u>major Outage</u>** • Participants requested to submit an interpretation of major Outage together with evidence to support their interpretation. Submission to be made within two weeks. • JMcA to submit the point she made regarding the maintenance of a Wind Turbine.	**Members** **JMcA**

• If the GCRP can come to an agreed interpretation of major Outage then EirGrid will submit MPID 196 to the CER for approval, otherwise the interpretation will return to the next GCRP meeting for discussion.	**EirGrid**
Security and Safety – Grid Code • The two code owners will organise to meet to develop the standards/clauses.	**EirGrid/DSO**
MPID 198 Automatic Voltage and Power Factor Regulation for Transmission Connected Wind Farms • JMcA/YL to send an industry response to this discussion item and will send a copy of a signal adjustment list. • This item will return to the next GCRP. • EirGrid will take a proposed modification to the DSO.	**JMcA/YL** **EirGrid** **EirGrid**
MPID 197 Controllable Wind Farm Extension • JMcA and YL to send an industry response to this discussion item. Submission to be made within one week. • This item will be brought forward to the next GCRP. • EirGrid will submit a proposed modification to the DSO.	**JMcA/YL** **EirGrid** **EirGrid**
Process of the Treatment of Grid Code Derogation Applications – CER Paper • Participants have been requested to submit any comments. Submission to be made within two weeks. • EirGrid to publish the 'new practice' on the EirGrid website.	**Members** **EirGrid**
EirGrid Remote Control of Generation Stations Practice – Discussion Paper • EirGrid to publish the 'new practice' on the EirGrid website.	**EirGrid**

Fault Right Through Working Group – Terms of Reference o EirGrid will send out invitations of membership. o Participants have been requested to submit any comments on the draft Terms of Reference. o The Working Group must submit a Terms of Reference at the next GRCP.	**EirGrid** **EirGrid** **Working Group**