



MINUTES

Grid Code Review Panel Meeting **22**

Wednesday, 29th April 2009
13:30 – 16:26
The Clarion Hotel Dublin IFSC,
Dublin 1

PANEL ATTENDEES

<u>Name</u>		<u>Present</u>	<u>Role</u>
Jon O'Sullivan	JOS	Y	Chairman
Simon Tweed	ST	Y	EirGrid Representative
Mark Norton	MN	Y	EirGrid Representative
Padraig Nolan	PN	Y	IPP Generators (exl. Renewables and CCGT)
Gráinne O'Shea	GOS	Y	ESBPG
Chevron Nolan	CN	Y	ESBPES
Ger Harnett	GH	Y	Independent Electricity Supplier
Derek Hynes	DH	Y	Distribution System Operator
Stacy Altman	SA	Y	CER
Andrew Ebrill	EB	Y	CER
James Gallagher	JG	Y	HVDC Interconnector
Brian McAuley	BMA	Y	Market Operator

OTHER ATTENDEES

<u>Name</u>		<u>Present</u>	<u>Role</u>
Deirdre Powers	DP	Y	Observer – Endesa Ireland
Yvonne Coughlan	YC	Y	Advisor – EirGrid
Arlene McGrath	AMG	Y	GCRP Secretary
Maurice Holly	MH	Y	Advisor – HVDC Interconnector
Arnold Mahon	AM	Y	Advisor – ESBPG (Poolbeg CCGT)

APOLOGIES

<u>Name</u>		<u>Present</u>	<u>Role</u>
Simon Grimes	SG	N	EirGrid Representative
Peter Gillespie	PG	N	IPP Generators (exl. Renewables and CCGT)
Conor Healy	CH	N	Transmission Asset Owner
Rónán Ó hÓgartaigh	ROH	N	Distribution System Operator
John Lynch	JL	N	CER

SUMMARIES

AGREEMENT	Outcome
<p>MPID 191: Automatic Generator Control (AGC) EirGrid propose to replace Secondary Frequency Regulation Systems (SFRS) with the term Automatic Generator Control (AGC) throughout the Grid Code.</p>	<p>Submit to CER for Approval</p>
<p>MPID 187: HVDC Interconenctor EirGrid together with the HVDC Work Group will look at the clauses that require further work. Subject to full agreement from the Work Group the Panel are happy for EirGrid to submit the proposed modifications paper to the CER.</p>	
<p>MPID 192: Secondary Fuel Testing Subject to the changes mentioned in the action items the panel is happy to submit the proposed modifications to the CER. The proposed modifications centre on the <u>right</u> to carrying out Secondary Fuel Testing. Run a work shop to discuss the <u>practice</u> of Secondary Fuel testing.</p>	<p>Submit to the CER for approval.</p>
ACTIONS	Responsible
<p>EirGrid to identify any IEC standard inconsistencies in the Grid Code.</p>	<p>EirGrid</p>
<p>DSO to give analysis in relation to latest European standard dealing with insulation co-ordination (currently IEC 60071-1 Ed. 8.0).</p>	<p>DSO - DH</p>
<p>Provide a letter to the Regulatory Authorities by the end of May highlighting Panel Members' key concerns and suggestions as to how and when Grid Code Review Panel Members should be consulted when Regulatory Authorities are considering making determinations that could impact Grid Code Review Panel Members as well as a wider group of stakeholders. As part of this action, the TSOs agreed to circulate a draft note to Panel Members within two weeks of the meeting.</p>	<p>SONI</p>
<p>MPID 187: HVDC Interconenctor</p>	

OC7.2.4.6.4: Correct references in this clause.	EirGrid
CC.7.2.5.5: Make note of the two types of technology in this clause.	EirGrid
CC.7.5.1.1 (e): JG to confirm if an issue exists with this clause.	JG
CC.7.5.1.1 (e): This requires more clarity.	EirGrid
CC.7.5.1.1 (m): This requires more clarity.	EirGrid
CC.7.5.3: The work group will again look at this clause.	EirGrid
CC.7.5.4 (c): JG pointed out a typing error.	EirGrid
CC.7.5.5: Remove speed governor element.	EirGrid
CC.7.5.6: HVDC Interconnector Voltage is not a defined term and should not be bold and upper case. Define Current Source Technologies in the glossary.	EirGrid
CC.7.5.7: Improvements and further definitions required.	EirGrid
CC.7.5.8: Propose a new clause; the deadline is set to two weeks.	JG
CC.10.13: Remove clause.	EirGrid
Further work required to the Connection Conditions. Requirements on generators should also apply to HVDC Interconnectors, for instance, HVDC Interconnectors should be capable to receive AGC instructions.	EirGrid
Tighten up on a HVDC Circuit Breaker tripping.	EirGrid
Take OC4 off line it requires further work.	EirGrid
Further investigate CC.10.12.	EirGrid
Re-define HVDC Interconnector in the glossary.	EirGrid
MPID 192 Secondary Fuel Testing:	
Look at and re-define the proposed definition of secondary fuel testing.	EirGrid
Include 'where applicable' in clause OC10.4.4.5.	EirGrid

Run a work shop to discuss the **practice** of Secondary Fuel testing.

EirGrid

SUMMARY OF THE MINUTES

Agenda & Welcome

JOS

- Agenda for GCRP #22 agreed.
- Panel Members confirmed they had received minutes of the last GCRP meeting and the Minutes (summaries and actions) from the previous meeting, GCRP#21, were approved.
- ST explained that **MPID 190** from GCRP#21, a modification to Grid Code clause CC.7.2.2.1 to align the clause with the latest European standard dealing with insulation co-ordination (currently IEC 60071-1 Ed. 8.0), will be postponed pending the results from a DSO study. DH confirmed he will give the project recommendations to EirGrid prior to the next GCRP. ST noted that there are a number of IEC standards that are inconsistent and actioned EirGrid to look at these inconsistencies.

MPID 187 HVDC Interconnector	JOS
The main essence of the high level explanatory paper was approved by the panel.	
<u>Planning Code:</u> No issues.	
<u>Operation Conditions:</u> OC7.2.4.6.4: Correct references in this paragraph.	
<u>Connection Conditions:</u> CC.7.2.5.5: Need to make note of the two types of technology in this clause. CC.7.5.1.1 (e): JG questioned if the HVDC Lite can remain synchronised during and following Voltage dips at the HV terminals of 95% of nominal Voltage (5% retained) for duration 0.2 seconds and Voltage dips of 50% of nominal Voltage (i.e. 50% retained) for duration of 0.6 seconds. Following the fault clearance the HVDC Interconnector should return to pre-fault conditions. JOS mentioned this is the first time a possible issue has been brought to EirGrid's attention. JG to follow up if an issue exists with this clause. CC.7.5.1.1 (e): This requires more clarity. CC.7.5.1.1 (m): This requires more clarity. CC.7.5.3: ST and JG questioned why this clause exists for HVDC. JOS agreed to remove this provided all in agreement. The work group will again look at this clause and JOS is happy to remove if all are in agreement. CC.7.5.4 (c): JG pointed out the typing error. CC.7.5.5: JG, ST, JOS agreed that speed governor should be removed. CC.7.5.6: HVDC Interconnector Voltage is not a defined term and should not be bold and upper case. JG also noted that current source technologies should be defined in the glossary. CC.7.5.7: ST noted that this clause needs improvement and further definitions. EirGrid to action this and to run the improved clause by JG. CC.7.5.8: JG to propose a new clause, the deadline is set for two weeks. CC.10.13: JOS clarified that a lot of this clause will be removed as it is not relevant and	

<p>the panel approved the clause subject to the changes to be made.</p> <p>ST noted that further work is required with Connection Conditions. Requirements on generators should also apply to HVDC Interconnectors. For instance, HVDC Interconnectors should be capable of receiving AGC instructions.</p> <p>JOS noted that we also need to tighten up on a HVDC Circuit Breaker tripping.</p>	
<p><u>Operating Conditions:</u></p> <p>OC4.8.2.1: JG noted a preference for hard coded parameters for frequency control as opposed to the variable parameters that exist in the proposed code. JOS pointed out that the extremes in the clause refer to emergency frequencies but given the confusion agreed to have another look at this clause.</p> <p>JOS agreed to take the whole of OC4 off line and to re-work on this.</p>	
<p><u>HVDC Adendum Paper:</u></p> <p>JOS brought the panel through paper. JOS agreed to further investigate CC.10.12.</p>	
<p><u>HVDC Glossary:</u></p> <p>MN pointed out that HVDC Interconnector is not correctly defined.</p>	

<p>MPID 191 Term Change Replace SFRS with AGC</p>	<p>ST</p>
<p>A proposal submitted by EirGrid to replace the term SFRS (Secondary Frequency Regulation Systems) to AGC (Automatic Generator Control). The term Automatic Generator Control (AGC) is a more globally understood term. This proposed modification is a standard language term change and it will have no material impact on the Grid Code and all associated obligations remain as is.</p> <p>This modification does not affect the SONI Grid Code because the term SFRS is not used in their Grid Code but if they introduce it at a later stage they will use the globally understood term AGC.</p>	

MPID 192 Secondary Fuel Testing	YC
<p>Following the CER's publication of the decision paper on secondary fuel obligations, EirGrid is now in a position to propose changes to the Grid Code in order to put in place the right to carry out secondary fuel testing. The issues addressed include data collection, connection conditions relating to capabilities of generators on secondary fuel, if applicable, and provision of signals, definitions and testing.</p> <p>JOS and YC made it clear to the members that the proposed Grid Code changes give EirGrid the right to carry out secondary fuel testing but the Grid Code clauses do not address the actual practice of the testing. The proposed modifications allow EirGrid the right to follow the CER directive.</p> <p>EirGrid will ensure that testing will only take place on a business day and during business hours.</p> <p>EirGrid will try to minimise disruption to the system when tests are being scheduled.</p> <p>Following panel discussion JOS concluded that there is merit to running a work shop on the practice of secondary fuel testing and set an action on EirGrid to set one up.</p> <p>Action on EirGrid to look at the proposed definition of secondary fuel testing.</p> <p>Action on EirGrid to include 'where applicable' in clause OC10.4.4.5.</p>	

Performance Monitoring – Discussion Item	JOS
<p>Sample generator performance reports were given to all members for review and a discussion took place amongst the panel members.</p> <p>Bilateral meetings will be kicked off over the next four months to discuss individual units performance based on the these reports.</p>	

