

# Summary of Meeting and Actions

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Meeting Name	GSR007 Working Group
Meeting No.	1
Date of Meeting	Thursday, 12 <sup>th</sup> June 2008
Time	11:00am – 2:00pm
Venue	A3-1, National Grid House, Warwick

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This note outlines the key action points from the first meeting of the GSR007 Working Group.

## 1) **GSR007 Review Request**

EDF Energy provided an overview of the review request. The Working Group was informed that the Normal Infeed Loss Risk was set out in sections 2.6.1 to 2.6.3 of the GB SQSS. The provision describe the level of loss power infeed risk, currently set at 1000MW, covered by fault outage on any single transmission circuit, generation circuit and planning or fault outage on any single section of busbar or mesh corner.

The Infrequent Infeed Loss Risk was set out in sections 2.6.4 to 2.6.6 of the GB SQSS. The provisions describe the level of loss of power infeed risk, currently set at 1320MW, which is covered following the concurrent fault outage of any two transmission circuits, any two generation circuits on the same double circuit overhead line, any single busbar section circuit breaker or mesh circuit breaker, or the loss of any single transmission circuit or section of busbar during the planned outage of any other single transmission circuit or busbar). The Working Group noted that the current levels had not be formally reviewed since 1990.

The Working Group were informed that the infeed limits specified in the GB SQSS were established for the system that existed at that time and have evolved as the characteristics of generation and the transmission system have evolved. EDF Energy noted that the GB electricity industry is facing substantial investment in new generation capacity over the coming decade as a significant proportion of the current generation fleet needs to be replaced.

EDF Energy noted that it is likely that future designs for thermal generation plant will not be consistent with current SQSS limits. This could discriminate against more efficient large plant and will almost certainly discriminate against the most efficient options for medium-term nuclear build. The designs currently being considered in the nuclear regulators' GDA process all have generating unit sizes greater than 1000MW.

EDF Energy stated that the current infeed limits are therefore no longer consistent with the range of generation technologies that could be built in Great Britain in the foreseeable future and consequently a review of the infeed limits was now required.

The Working Group noted that EDF Energy presentation would be made available on the GB SQSS website.

**Action: JS/Working Group Secretary (LM)**

The Working Group noted that the review request had been presented at April 2008 meeting of the GB SQSS Review Group. The Review Group had agreed that a Working Group should be established to discuss the issue in detail. The Review Group members had agreed that given the importance of this issue to the industry, that external industry representative should form part of the Working Group membership.

## 2) **Governance Process**

The Working Group was provided with a summary of the GB SQSS governance process.

The Working Group noted that a report describing the discussions, findings and recommendations would be presented to the GB SQSS Review Group. All Working Group members would have opportunity of reviewing/commenting on the report before it was presented to the Review Group.

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Any formal recommendations would be circulated to the industry for comment before being submitted to the Authority. The Working Group noted that any formal changes to the GB SQSS must be accomplished by a request from each of the Transmission Owners to amend their Transmission Licence.

The Working Group noted that clarification would be required regarding who would take the lead regarding the consultation document i.e. Working Group or Review Group. The governance arrangements allowed the Review Group to delegate the responsibility of this stage to the Working Group.

**Action: Chairperson (ML)**

A detailed description of the GB SQSS governance arrangements is available on the GB SQSS website: <https://www.nationalgrid.com/NR/ronlyres/00679067-2077-42A0-B975-FA214D179FF4/17781/governance.pdf>

### 3) Working Group Terms of Reference

Members discussed the draft terms of reference for the job. The Working Group noted the challenging timescales and agreed that it was important that there were clear timescales and milestones associated to the progression of the Review Request and Working Group.

**Action: Chairperson and Working Group Secretary**

The Working Group noted that cost benefit analysis and a robust impact assessment would be very important in justifying any formal changes to the normal and infrequent infeed limits given the potential financial implications.

### 4) Working Group Discussions

The Working Group noted and agreed that there were a number of key issues which would require further discussion, analysis by the Working Group:

- i. Review the normal and infrequent infeed loss limit, identify the maximum loss of each limit
- ii. Consider largest loss in terms of both Planning and Operational timescales
- iii. Identify and assess technical implications of increasing the limits
- iv. Identify and assess security of supply effects
- v. Consider the commercial implications e.g. ancillary services
- vi. Evaluate applicable economic and environmental costs and benefits

The Working Group discussed each item in turn, identify areas for considering and review.

The Working Group agreed that the TO representatives would focus on bulletin point (iii): i.e. identify and assess technical implication of increasing the normal and infrequent limits and report back to the Working Group in due course.

**Action: National Grid, SHETL (RL) and SPT (CB)**

The Working Group noted that a draft paper evaluating the applicable economic and environmental costs and benefits for increasing the infrequency and normal infeed limits would be presented to the next Working Group meeting. The paper would be inclusive of an initial view of

- i) Review the normal and infrequent infeed loss limit, identify the maximum loss of each limit
- ii) Consider largest loss in terms of both Planning and Operational timescales

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- iv) Identify and assess security of supply effects
- v) Consider the commercial implications e.g. ancillary services

**Action: PP**

The Working Group agreed that it was important that any amendments to the Normal and Infrequent Infeed Limits incorporated an element of 'future proofing'. It was agreed to investigate if there was any viability projects (currently on-going/being considered) which would result in the development of Generating Units in excess of 2000MW etc.

**Action: JS/CM/JM**

The Working Group notes that a key consideration for Authority when making their decisions would be the extent to which the current levels of Infeed Loss Risk constitute due or undue discrimination against large units, and in particular large nuclear units. It was agreed to assemble initial paragraphs, articulating the arguments for and against.

**Action DS/JS**

### 5) Next Meeting

The next meeting of the Working Group is scheduled for 3<sup>rd</sup> July 2008 at National Grid House, Warwick, commencing at 10am.

#### *Future Meetings (should they be required)*

- Thursday, 17<sup>th</sup> July 2008
- Thursday, 7<sup>th</sup> August 2008
- Friday, 22<sup>nd</sup> August 2008
- Friday, 26<sup>th</sup> September 2008
- Tuesday, 28<sup>th</sup> October 2008
- Thursday, 27<sup>th</sup> November 2008

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## Appendix 1 – Working Group Attendance

### Members Present:

Mike Lee	ML	Working Group Chairperson
Lilian Macleod	LM	Working Group Secretary
Paul Plumptre	PP	National Grid
Bless Kuri	BK	National Grid
Richard Lowe	RL	Scottish Hydro Electric Transmission
Cornel Brozio	CB	Scottish Power Transmission
Bridget Morgan	BM	Ofgem
Claire Maxim	CM	E.ON
John Morris	JM	British Energy
David Scott	DS	EDF Energy
James Suckley	JS	EDF Energy