

Meeting minutes

National Electricity Transmission System Security and Quality of Supply Standards (NETS SQSS)

SQSS Panel

Date: 20/10/2021	Location: Microsoft Teams
Start: 10:00 AM	End: 12:00 PM

Participants

Attendee		Attend / Regrets
Jennifer Groome (JG) Panel Chair (Alternate)	National Grid Electricity System Operator (NGESO) Code Administrator	Attend
Rashpal Gataura (RGA) Panel Secretary (Alternate)	National Grid Electricity System Operator (NGESO) Code Administrator	Attend
Alan Creighton (AC)	Network Operator	Attend
Bieshooy Awad (BA)	National Grid Electricity System Operator (NGESO)	Attend
Cornel Brozio (CB)	Scottish Power Transmission (SPT)	Attend
Diyar Kadar (DY)	Scottish Power Transmission (SPT)	Attend
Gurpal Singh (GS)	Authority Representative	Attend
Le Fu (LF)	National Grid Electricity Transmission (NGET)	Attend
Mike Lee (ML)	Offshore Transmission Owner (OFTO)	Attend
Rob Wilson (RW)	National Grid Electricity System Operator (NGESO)	Attend
Roddy Wilson (RWI)	Scottish Hydro Electric Transmission (SHET)	Attend
Simon Lord (SL)	Generation Representative	Attend
Patrick McNabb (PM) (Presenter)	National Grid Electricity System Operator (NGESO)	Attend

Robert Westmancoat (RWC) (Observer)	National Grid Electricity System Operator (NGESO)	Attend
Bless Kuri (BK)	Scottish Hydro Electric Transmission (SHET)	<i>Regrets</i>
David Lyon (DL)	Offshore Transmission Owner (OFTO)	<i>Regrets</i>

Discussion and details

1. Introductions and apologies

The Chair opened the Panel meeting by making introductions and noted the apologies received.

2. Approval of Panel Minutes from the Panel on September 2021

Panel Members approved the minutes for the previous Panel meeting on 8 September 2021. These are also available on the National Grid ESO website:

<https://www.nationalgrideso.com/industry-information/codes/security-and-quality-supply-standards-old/meetings/sqss-panel-meeting-7>

3. Actions Log

The Panel reviewed and updated the open actions, on the Actions Log.

- BA stated that the chapter 7 guidance has now been reviewed by relevant parties and can be published shortly.
- LF updated that Mark Perry will be stepping into NGET's second SQSS Panel member position. The Panel Secretary took an **ACTION** to add MP to the Panel distribution list and forward the meeting invitations.
- Regarding the open action on the P2/7 Workshop, AC queried how this initiative interacts with the SQSS Review stated in the ESO's RII02 plan, and what role the SQSS Panel have in these initiatives. RW stated that the overlap has not yet been confirmed and agreed that work should not be duplicated. He stated that as well as Panel, GCDF has been used to engage more widely on the SQSS Review. Year 1 (2021/22) of the SQSS Review item in the T2 plan was to engage with stakeholders on the potential scope of the review.

4. Frequency Risk and Control Report (FCRC) 2021 Implementation & 2022 Scope

In the first part of the presentation, Patrick McNabb from the ESO presented the scope, phases of implementation and impact of the 2021 FCRC.

- Panel members stated that the cost savings of the phase 1 2021 FRCR implementation are encouraging.
- It was stated that with a low inertia system, Fault Ride Through becomes very important.
- There was a discussion about simultaneous events and that the challenge will be to determine what events are likely enough to be secured against.

The second part of the presentation covered the scope of the 2022 FRCR and the considerations the FRCR team have taken into account from the 2021 consultation. Panel members were then asked to feedback on which scope items they felt to be most important to be included in the 2022 FRCR.

PM raised the following as priority areas:

- High Frequency Deviation: It will be a challenge to net zero if this is not done
- Simultaneous events: As this is a requirement of the report into the events of 9 Aug 2019.

It was discussed that existing initiatives such as the ALoMCP form a backdrop to this but that also translation of the requirements into a low inertia system is key, both of these being areas of which modelling needs take account.

SL raised the following:

- Low inertia: as more gas units come off the system and are replaced by renewables.
- Simultaneous events: specifically, generator compliance events
- Control strategy: Situations where dynamic containment has been exhausted due to an ongoing difficult period before that for some hours. On this point, RW stated that there would be other things outside the SQSS that could be done in these situations. PM explained that Dynamic Containment operates at 49.8Hz with a response within a second.

RWI raised the following:

- Coincident access outages: there should be a level of priority given to frequency control, as a number of outages drive greater costs for frequency containment. PM stated that this is complex and high effort, but if others see this as important it should be scoped out.

It was clarified what the governance process will be for the 2022 FRCR:

- 1) An FRCR methodology must be developed, consulted on, and a Panel recommendation sought
- 2) An FRCR must be developed, consulted on, and a Panel recommendation sought.

GS highlighted that priority should be given to the actions from the E3C and 9th August Report and the submission date of 1 April 2022 for the next FRCR should be met.

It was agreed that the April 2022 FRCR should be a focused document looking at simultaneous events, and that other areas of scope should follow in future FRCRs. An **ACTION** was taken for a timeline to be developed to deliver this - to be presented at the next Panel meeting.

5. Standing items/impacts from other work

Chapter 7: Guidance Document

- No update.

BEIS Engineering Standard Workshop – SQSS impacts and other discussions

- No update was given on this. It was agreed by Panel to change this standing item to “Energy Code Reform” going forward. **ACTION**

Review of Modification Register

- No open modifications.
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6. AOB

Whole System Technical Code Consultation

AC highlighted to the Panel that the following consultation is open:

The Whole System Technical Code (WSTC) project is an opportunity to support the Energy Codes Reform (ECR) outcome on code simplification and consolidation, and also to address some of the challenges of using the technical codes. It proposes to simplify, align, and digitalise GB electricity technical codes (such as the Distribution Code and associated Engineering Recommendations, the Grid Code, and the SQSS). It will ensure minimum standards continue to allow safe and secure operation of the electricity system.

Panel members were advised that the [consultation](#) closes on 12 November 2021.

An **ACTION** was taken for the link to the consultation to be shared with the Panel Headline Report. [Post meeting note: Link was shared].

Key Dates

- The next SQSS Panel meeting will take place at:
10 November 2021
 - Papers Day for the next SQSS Panel meeting is:
2 November 2021
 - The SQSS Modification Submission deadline for the next Panel is:
26 October 2021
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