

Code Administrator Meeting Summary

Meeting name: GSR032 - Facilitate Implementation of the Electricity System Restoration Standard Workgroup 1

Date: 28/04/2023

Contact Details

Chair: Milly Lewis, National Grid ESO milly.lewis@nationalgrideso.com

Proposer: Sade Adenola and Llewellyn Hoenselaar, National Grid ESO Sade.Adenola@nationalgrideso.com
Llewellyn.Hoenselaar@nationalgrideso.com

Key areas of discussion

The aims of Workgroup 1 were to:

- Discuss whether there was a defect to address in this modification
- Review and agree the Terms of Reference
- Identify any cross-code impacts expected at this stage
- Review the proposed timeline for this modification

Introductions & Code Modifications Overview (responsibilities, voting)

The Chair invited all attendees to introduce themselves before providing an overview of the modification process (including context that this modification is a consequence of [GC0156](#)), and a summary of the Workgroup's roles, responsibilities and voting process. It was confirmed during the meeting that any solution developed by the [GSR032](#) Workgroup would cover both of the proposed GC0156 solutions.

Objectives & timeline

The Chair presented the proposed timeline which was created to align with the timing for Ofgem to receive for the suite of ESRS modifications. The group shared the dates they couldn't attend and, in general, expressed concerns about the short turnaround time between Workgroup meetings (esp. Workgroup 1,2,3) for reviewing and providing considered feedback.

A more detailed timeline was agreed at the end of the meeting to take the process to 19 May.

Proposer presentation and questions

LH presented the purpose of the modification which is to agree whether changes to the SQSS were required to introduce details of System Restoration (a requirement of Emergency System Restoration Standard - ESRS - being that all codes ensure the standard can be met). Proposed changes include adding clause 1.7 and Appendix I into the SQSS. The preference from SQSS panel was reported to be for changes to be compiled and added into SQSS to allow TOs a comprehensive view.

Reference was made to the Grid Code and supplementary Grid Code-related documents reviewed in the process of creating the proposal.

Discussions focused on the following topics:

Definitions and refining the new text

The Proposer shared an initial version of draft legal text for the proposed change and welcomed input from the Workgroup as to suggestions for consideration (including any areas requiring further clarification). Should there be any new definitions, and the Workgroup deem it necessary, these can be added to the 'terms and definitions' section of the SQSS.

Clarity was sought on the definition of 'national demand' and regional boundaries for System Restoration – these being contained within Grid Code and Grid Code Glossary definitions respectively (and shared with the Workgroup on the call).

A request was made by the group that where new text refers to other codes (e.g., Grid Code or STC) that specific references to relevant clauses/sections feature in the new text if practical (to aid locating the relevant information) alternatively shared with the group as an extract.

Clarification was requested on the term 'switching speed' in point (a) of the draft text (if it is to be included).

Obligation and retrospectivity

Clarification was sought by several WG members as to whether the change applied to 'offshore' as well as 'onshore' operations and who is applicable for retrospective changes. Confirmed by AJ, it was made clear that existing OFTOs are exempt from retrospective ESRS changes if built before 2026, after which the ESRS requirements would apply to any newly built OFTOs (or OFTOs being planned for 2026+). Clause 1.5 section K of the STC was inserted into the SQSS Appendix I. (complete text rather than only reference)

It was suggested that OFTO developers are required to be part of this discussion as they will be involved in implementing any standards to future-proof infrastructure etc. The ESO rep outlined that onshore TOs and DNOs have been involved in ESRS discussions to date.

It was confirmed that all existing and future onshore operations would need to be compliant with the ESRS requirements.

Clarity is required on how new OFTOs will fit into the restoration plans (and therefore their responsibilities to deliver against specific restoration plan requirements).

Loading capacity

ESO confirmed that sufficient providers are secured on the network to meet the standard.

A point was raised to confirm expectations about restarting generation in the event of a significant outage event – i.e., that restarting would need to be at the lowest output to avoid instability issues (AJ confirmed that loading capacity is covered in contracts and not in scope for this Workgroup).

Impact assessments and cost considerations resulting from the modification

Some Workgroup members raised concerns about the cost implications of meeting the standards across the whole network (e.g. there is no cost recovery mechanism defined for OFTOs yet). The ESO team acknowledged that to meet the new standards, investments will be required across the industry, ESO included, and shared that Ofgem have been engaged on this point.

A question was raised as to whether the modification will result in a blanket change across the whole network or whether implementation of these requirements would be targeted (at first at least) – i.e., sections of the network targeted and tested prior to a blanket roll-out across the network. As a blanket implementation would have significant impacts on TOs and license holders, the group raised the importance of TOs understanding the implications of the ESRS changes and the duty of care to customers to balance against the changes needed. ESO agreed that impacts would need to be scoped but the ESRS changes are a license obligation so do not need an impact assessment to warrant the change.

In response to the request for more design specifications to help assess the impact of the changes across the network ESO did confirm that they had received a request to remove some specific details during earlier ESRS discussions.

The Workgroup raised a need for an impact assessment to understand the implications for compliance (including the network's current compliance status) and the impact to investment plans from this change. When ESO asked whether the workgroup could deliver such numbers to inform the discussion, the Workgroup suggested that impacts could be shared but not costs.

Impacts from/on other modifications

References to changes in other codes were requested for the group to review.

The group was told of the other changes in CUSC ([CMP398](#) and [CMP412](#)), STC ([CM089](#)), STCP ([PM0128](#)), BSC (Black Start changes in [P451](#)).

Ofgem view

ESO confirmed that Ofgem were aware of the conversations on ESRS, but an Ofgem rep was not available to attend Workgroup 1.

Review & agree Terms of Reference (ToR)

- Terms of Reference (a), (b) and (c) agreed by the group.
- Point (d) – group suggested it be checked whether there was sufficient developer representation in the workgroup to assess impacts of the change.
- Point (e) – agreed and requiring explicit clarification in the final text.
- Point (f) – included in Appendix I if it's decided the defect is valid.
- Point (g) – agreed.
- Point (h) – new ToR to be added – “Consider the impact to investment plans and current compliance levels”

AOB

No AOB.

Next Steps

- 28 April: First draft legal text suggestion shared with Workgroup
- 5 May: Workgroup review text, review whether they feel the defect is valid to make a change to the SQSS, and if so, provide comments on the draft legal text shared
- 10 May: ESO to circulate updated draft legal text considering comments received
- 12 May: Workgroup 2 to review legal text, Terms of Reference and whether the defect is valid to include changes in the SQSS.
- 19 May: Workgroup 3 to review the timeline again, refine the solutions and draft questions for the Workgroup Consultation.

Actions

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
1	WG1	Workgroup	Workgroup to suggest changes to be considered for wording, and share such suggestions with box.SQSS@nationalgrideso.com		5th May	Open
2	WG1	LH	ESO to consider the points above in changes made to the draft text, including additional clarification and cross-code reference.		10th May	Open
3	WG1	LH/ ML	WG distribution list reviewed for further developers to be invited	Consider which generators have developer experience	5th May	Open
4	WG1	ML	New ToR point (h) added ahead of the next workgroup meeting	For documents shared for 12th May	8th May	Open

Attendees

Name	Initial	Company	Role
Milly Lewis	ML	Code Administrator, ESO	Chair
Elana Byrne	EB	Code Administrator, ESO	Tech Sec
Llewellyn Hoenselaar	LH	ESO	Proposer
Andami Hooman	AH	Elmya Energy	Workgroup member
Anthony Johnson	AJ	ESO	Observer
Bieshoy Awad	BA	ESO	Observer
Carl Johnstone	CJ	Frontier Power	Observer
Colin Barden	CB	UK Power Networks	Workgroup member
Cornel Brozio	CBr	SP Energy Networks	Workgroup member
David Lyon	DL	Frontier Power	Workgroup member
Fang Ji	FJ	SSE	Observer
Fyali Jibji - Bukar	FJB	ESO	Observer
Jonathan Whitaker	JW	ESO	Observer
Kwaku Nti	KN	ESO	Observer
Lewis Morgan	LM	ESO	Workgroup member
Mark Ajal	MA	SSE	Workgroup member
Sade Adenola	SA	ESO	Observer
Sara Nanchian	SN	ESO	Observer