

A man with glasses and a beard is looking intently at a screen in a server room. The room is dimly lit with blue and purple ambient lighting. The background shows server racks and cables. A yellow line graphic is overlaid on the image, framing the text.

STCP19-3 SLA Update

Proposer: Engineering Compliance Team, ESO

Presenter: *Nnaemeka Anyiam/Danish Ullah -Compliance Engineer, ESO.*

Agenda

- Current SLA Requirement on ESO and Transmission Owner (STCP 19-3)
- Challenges/Reasons for proposal
- Proposed Update
- Potential Impact
- Questions/Feedback



STCP 19-3 Issue 0014 Operational Notification & Compliance Testing

3.8 User Data File Structure (UDFS)

- 3.8.1 To facilitate data sharing and organisation, all data provided by the User to The Company as part of the Operational Notification and Compliance process will be located within a common and standard UDFS as specified in Appendix A8.
- 3.8.2 The UDFS is intended only as an as an outline structure to provide a common and consistent primary level of organisation for data and reports. The Company and the TO may agree sub structures to the UDFS where deemed necessary to accommodate issues relating to particular connection sites.
- 3.8.3 For the avoidance of doubt the UDFS is limited to data relating to User owned equipment and data provided by the User relating to boundary and interface responsibilities. The content of the UDFS will depend upon specific Bilateral Agreements and ownership boundaries.
- 3.8.4 The Lead Role (as marked in the UDFS in Appendix A8) is the Party responsible for reviewing the data.
- 3.8.5 The documentation contained within the UDFS is to be reviewed by the Party responsible for reviewing the data and written feedback is to be provided within 15 business days.

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Appendix B: Register of Responsibilities on Parties

B.2 Responsibilities on The Company

- Nominate a Lead Compliance Representative
- Require the exchange of Safety Rules and list of Safety Co-ordinators (when the TO and User cannot do so)
- Require co-ordination of transmission works (when the TO and User can not do so)
- Produce the Operational Notification Compliance Checklist (as appropriate) and the Compliance Statement.
- Require the User to meets technical requirements as set out in the Bilateral Agreement. If the User does not forward this data to the TO, The Company shall ensure that they do so.
- Ensure co-operation between User and TO With respect to the SRS and Operational Diagrams (when the TO and User cannot do so)
- Ensure that the User complies with any site specific technical conditions as set out in the Grid Code and the Bilateral Agreement.
- Facilitate the sharing with the TO of the relevant parts of the UDFS. This may be achieved via the provision of a Sharepoint site accessible by the User and the TO.
- Review content submitted by the User as part of a UDFS submission and provide comments within 15 business days.

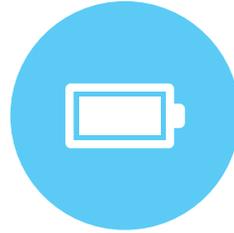
Challenges to Current Practice



**GC0141 – RMS AND
EMT MODELLING
REQUIREMENTS**



**INCREASE IN NUMBER
OF CONNECTION
PROJECTS**



**INCREASE IN NUMBER OF
BATTERY PROJECTS REQUIRING
COMPLIANCE IN BOTH
GENERATOR AND DEMAND
MODE, AND ADDITIONAL
SIMULATIONS REQUIRED FOR
BATTERIES DUE TO GC0148
MODIFICATION**



**COMPLEXITY OF LARGE
OFFSHORE HVDC
CONNECTED
WINDFARMS**



**COMPLEXITY OF GRID
FORMING CONNECTION
PROJECTS WITH
INCREASED
SIMULATIONS**

Proposed Update

Compliance Activity	Proposed Duration (Maximum)
DRC schedule review	15 days
Simulation study review (Large offshore WFs, BESS and HVDC links)	20 Working Days
Simulation study review (Grid forming and co-located)	6 weeks
Simulation study review (other technologies)	15 days
RMS Model Review	20 Working Days
EMT Model Review	20 Working Days
FAT/Compliance Test Results Review (excluding 20% and 70% pre-commissioning tests)	6 Weeks

Proposed timescales are on the assumption that data for each type of compliance activity listed above is sent as a separate UDFS submission. As an example, in the event that simulation studies are sent alongside a model, the timescales will be agreed on a case-by-case basis.

Potentially impacted parties

User

**ESO
Connection/Compliance Related
Teams**

**Transmission
Owner**

**DNO
(Embedded)**

A person with blonde hair and a denim jacket is dancing at a festival at sunset. Their arms are raised, and they are surrounded by a crowd of people and tents in the background. The scene is illuminated by warm, golden light from the setting sun.

**Thanks for Listening
Questions/Feedback?**