

Attendees:

Name	Organisation	Initial
Chris Marsland	AMPS	CM
Garth Graham	SSE	GG
Alastair Frew	SP	AF
Sarah Carter	Ricardo EAE	SC
Alan Creighton	NPG	AC
David Spillett	ENA	DS
David Griffiths	RWE	DG
Yash Audichya	SSE	YA
Anne Kensall	NGET	AK
Slavomir Seman	Siemens	SS
Mick Barlow	S & C	MB
Campbell McDonald	SSE	CMD
Stephen Perry	Ofgem	SP
Guy Phillips	Uniper	GP
Andy Vaudin	EDF	AV
John Norbury	RWE	JN
Greg Middleton	Deepsea Electronics	GM
Rob Wilson [AM]	NGET (SO) [Chair]	RW
Richard Woodward	NGET (SO) [T/S/Chair]	RJW
Antony Johnson [PM]	NGET (SO) [Lead]	AJ
Franklin Rodrick [PM]	NGET (SO) [T/S]	FR
Celine Reddin [AM]	NGET (SO) [Presenter]	CR

Project Management Update (AM)

Ofgem/DECC Update

Multiple TSOs

SP confirmed Ofgem's 'minded to' decision would follow in early March for all x3 Connection Codes and CACM.

GG reiterated the clarification needed on inclusion (or not) of Competitively Appointed TOs (CATOs), who may have an obligation in future years when these codes would apply.

CMD also queried interconnectors under T-SOG and the interaction to HVDC. RJW added the risk from GC0090 regarding different interpretations of HVDC by neighbouring EU 'TSOs'.

[ACTION RJW: add to Risk Register].

The group discussed the interaction with the TSOG and how the work on it will be structured in terms of work groups. RJW confirmed the Coordination Group would have oversight of T-SOG impact, but that implementation would be progressed under other workgroups (TBC). For the moment JESG and the DECC/Ofgem stakeholder meetings would be used pre-Comitology.

HVDC and DCC scope

JN sought to confirm the scope of the HVDC code – RW confirmed it doesn't include embedded HVDC links in a single control area. YA confirmed this is likely to be tested if/when we build the Eastern link, depending on ownership.

Regarding the scope of DCC, it was agreed this was for new transmission-connected demand and new providers of DSR to network operators.

RJW confirmed a summary document for the Connection Codes was in development, and its aim was to clarify the scope of each definitively.

ACER stakeholder group

SP mentioned the ACER invite for expressions of interest to the EU Connection Codes stakeholder committee. GB representation would largely be pooled from Trade Associations due to the fixed number of seats. SP agreed to forward the invite containing more details. RJW requested any participants from the Coordination Group could provide briefings after meetings.

[ACTION – SP]

RW and GG flagged the ENTSOE workshop on 29th Feb on the non-binding guidance in Brussels:

<https://www.entsoe.eu/news-events/events/Pages/Events/define-what-the-connection-network-codes-implementation-guidance-documents-are-to-contain.aspx?EventWorkshopId=225>

Emerging Technologies

SP to circulate more info; CM recommended consideration of variations of emerging technologies "products", which if considered as separate ETs could skew the allocation. CMD queried the protection of confidential information (manufacturers providing market share data for example); SP confirmed this would be aggregated to hide any commercially sensitive information.

Regarding the two month window of sales, the intent is for manufacturers to become compliant, not avoid exceeding the 14.5MW cap

Actions

[Insert attachment]

13 - Open letter now sent out via to JESG. Trade Association reps requested to disseminate to their members **[ACTION RJW/DS/CM]**

25/83 - SP to progress and provide an update at the March meetings

86 - Single code mapping spreadsheet will be presented at next meeting (now March)

88 - Updated ToRs went to GCRP in Jan, DCC/HVDC need to follow in March with minor tweaks to reference the Coordination Group. They all then need to go to DCRP.

105 – NGET meeting on Fri with Scot TO reps to discuss banding. Outcomes will be incorporated in the report.

Risk Register

The group reviewed the Risk Register to check whether they were still fit for purposes and mitigations were still accurate. There was feedback on licence changes which are potentially possible through the new energy act and to generally extend risk to incorporate all ENC's rather than just RfG.

Project Plan

CR presented the project plan and asked the workgroup for feedback. This will then be incorporated into a new version where progress will be tracked on a monthly basis. RJW was keen to clarify the completion date for planning the work, and that the Coordination Group held the various technical groups to account on their progress and delivery.

It was therefore agreed that the completion date for each work stream is a submission of a Report to the Authority by one year after EIF. Whether these will be aggregated in some way will be figured out in due course.

NGET will therefore fill in the workgroup meetings, working backwards from the agreed completion dates. GCRP/DCRP and JESG dates, plus timing for NRA approvals would also be added.

Points to note

HVDC and DCC flagged priority attention for the treatment (or not) of heavily modified users for retrospective application of RfG. This will be discussed in the March meeting, regarding codes scope.

Nothing was flagged to communication to the code panels or the technical groups.

AOB

SC presented the G99/G98 drafts which will be circulated to the workgroup for comment, as well as DS with EU product standards for type-testing and equipment certificates and the link to compliance testing.

[ACTION RW/RJW: circulate to workgroup]

[ACTION All: review and provide comments at March meeting]

March Meetings

2 March – RfG Banding Report

9 March – RfG Technical - Fault Ride Through (Full Day)

10 March – Coordination Group (Full Day)

Definitions (PM)

RJW outlined the purpose of the session, to review each of the Connection Code definitions and confirm the drafting approach. Particularly important was where there were similar definitions between GB codes and the EU Codes, and figuring out how to manage this.

Despite the intention of attempting to incorporate EU and GB definitions, the group agreed they should be distinct to avoid compliance ambiguity. Also important to stakeholders was that EU definitions are EU law and not subject to local GB change management.

It was discussed that EU definitions could have additional wording added to provide clarity, but the integrity of the originals needed to be maintained. It was felt this could be done by formatting/drafting.

On the definitions themselves, there was some issue over their interpretation, though it was accepted this could more easily be done in the context of their drafting within the technical requirements.

If necessary, clarification could be escalated to the Coordination Group from the Technical Groups and onwards if needed.

The group requested that the definitions be highlighted within the code mapping spreadsheet for where they're used, and where they appear cross-code (including balancing codes and T-SOG). The link the original EU regulation definitions was flagged as a point of reference. GG mentioned the ENTSO-E meta data site which provided more details on the use of definitions. The link for this is provided below*.

[ACTION RJW: provide more detail on use of definitions within the codes]

GM raised a specific operational concern on the 'voltage' and other technical definitions refer to 'positive sequence of the fundamental frequency'. It was important to clarify the consequences of this.

[ACTION GM/NGET: seek clarity on interpretation of technical definitions]

NGET agreed to form a proposal for definition drafting reflecting the above decision, and get legal backing. This could then be more formally agreed within the workgroup.

The principle for definition drafting also set a useful precedent for drafting new connection conditions, and other requirements. The group discussed the concept of copying across full sections of the Grid Code, updating/adjust for EU Code requirements, removing contradictory items, and continuing parts where the EU codes are silent.

Useful Links**GC0048 (C – Coordination Group; T – RfG Technical):**

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Modifications/GC0048/>

GC0090 (HVDC Technical):

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Modifications/GC0090/>

GC0091 (DCC Technical):

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Grid-code/Modifications/GC0091/>

Joint European Stakeholder Group:

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/European-network-code/Joint-European-Stakeholder-Group/>

***ENTSO-E Metadata site - Definitions Glossary:**

<https://emr.entsoe.eu/glossary/bin/view/GlossaryCode/GlossaryIndex>