Unconfirmed Minutes

Distribution Code Review Panel Working Group

Provision for Energy Storage Devices in the Distribution Code

29 August 2019

Meeting held at ENA and by WebEx/Teleconference commencing at 1000.

Attendees:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | **Company** | **Representing** |
| Vincent Hay | VH | ENA | Code Administrator |
| Keith Evans | KE | Electricity North West Ltd | DNO |
| Matthew White | MW | UK Power Networks | DNO (Chair) |
| Faithful Chanda | FC | Western Power Distribution | DNO |
| Ramesh Pampana | RP | SP Energy Networks | DNO |
| Martin Cotterell | MC | TESLA | Storage Provider |
| David Hill |  | NIE Networks | DNO Observer |
| Tim Jones | TJ | GTC | IDNO |
| Paris Hadjiodysseos | PH | Northern Powergrid | DNO |
| \* (phone) |  |  |  |

**Apologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | **Company** | **Representing** |
| Andy Vaudin | AV | EDF | Storage Provider |
| Paul Graham | PG | UK Power Reserve | Storage Provider |
|  |  |  |  |

# **Welcome, Apologies, Introductions and Housekeeping**

VH welcomed members to the meeting of the DCRP Storage Working Group. General introductions were provided, and apologies were noted. Due to technical issues with ENA’s IT and the connection of the WebEx, the meeting commenced at 10:30am. PG had attempted to dial-in but was unable to join the meeting.

# **Minutes of previous Storage DCRP WG meeting 28 March 2018**

# ***Accuracy***

The minutes and actions from the previous DCRP Storage WG meeting held 28 March 2019 and reported in paper Storage DCRP WG - 28th March 2018 - Minutes and actions were confirmed as correct by the Working Group. VH to publish 28 March 2018 WG meeting minutes to DCode website.

**Action: VH (Complete)**

# ***Matters Arising***

The WG reviewed the actions from the 28 March 2018 meeting and noted the follwoing.

1. Action complete. The fast track process was now implemented and included in G99.
2. Action closed. The group were unsure what regulation this referred to.
3. Action complete. ON team had requested any proposal developed by the WG to be provided to the project team for review.
4. Action closed. There was no awareness that BEIS or Ofgem had amended primary legislation to define Electricity Storage as a subset of Generation. Members agreed with Brexit it’s unlikely to be high priority.
5. Action closed. Members discussed storage is treated as any other form of connection in the queue.
6. Action closed. National Grid had made a proposal and explained the rationale behind defining pumped storage as different to electricity storage.
7. Action closed. National Grid had released the GC0096 proposal.
8. Action complete. All members had access to these standards.
9. Action closed. The current meeting was the forum to consider this.
10. Action closed. Members did not understand what the requirement was.
11. Action closed.

**The DCRP WG noted progress.**

# **Background**

# **IET Code of Practice**

This code of practice was currently under development by the IET. VH advised that the request for input had been circulated to the WG and the working group were encouraged to comment if they had not already.

# **Ofgem - Call for Evidence**

Not discussed.

# **BEIS Smart Systems and Flexibility Plan**

No further update on recent activity was available.

# **GC 0096 (Grid Code)**

National Grid had released their final draft proposal which sought to explicitly define Electricity Storage technologies including to distinguish storage from Generation and Demand, and harmonise the requirements for Storage with the EU Network Code requirements (Requirements for Generators, HVDC, and Demand Connection Code).

# **Fast Track application process**

The fast track microgeneration and storage process was live and guidance associated with this was available on ENA’s website.

<http://www.energynetworks.org/electricity/engineering/distributed-generation/fast-track-storage.html>

# **Enhanced Frequency Response**

Not discussed.

# **European Network Code – RFG**

The requirements imposed by the EU Network Code Requriements for Generators had been implemented in EREC G98 and G99 in May 2018. The requirements cam into force for all new equipment installed after April 27 2019. There was a small list of exclusions from the RfG applied to storage detailed in Annex A of EREC G99.

# **ERs G98 and G99**

The G98 and G99 documents were live on ENA’s website and all members had copies of the standards. Ongoing development of these documenbts through ENA’s DER Technical Forum was ongoing to ensure the issues associated with and the implementation of the RfG requirments were clear.

<http://www.energynetworks.org/electricity/engineering/distributed-generation/ena-dno-der-technical-forum.html>

# **European Activity**

The WG discussed there may be some activity around developing an EU Network Code for Storage, perhaps being progressed by ENTSO-e. Members suggested for VH to follow up with Mike Kay to check the latest activity in this space. **Action: VH**

**The DCRP Storage WG noted progress and agreed actions.**

# **Review DCRP WG draft Terms of Reference**

The Working Group did not review the Terms of Reference. A ToR was to be circulated with the meeting notes for agreement. All members were asked to review. **Action: All**

**The DCRP Storage WG noted progress and agreed actions.**

# **Energy Storage Issues**

Items not discussed.

# **Network Planning**

Items not discussed.

# **Mixed Generation Storage Sites**

Items not discussed.

# **LV Connected Storage**

Items not discussed.

# **Connection Agreement**

Items not discussed.

# **Active Network Management**

Items not discussed.

# **Operational Planning**

Items not discussed.

**The DCRP Storage WG noted progress and agreed actions.**

# **Next Steps**

# ***What does the WG deliver?***

The Working Group was tasked with evaluating the National Grid GC0096 proposal and considering whether changes to the DCode were necessary arising from the proposal.

Currently Storage is defined as generation when exporting and as a demand when importing. The Working Group discussed that simplest approach would be to consider removing the exclusions from the RfG requirements currently included in G99 for storage. To do so, the WG would need to understand the impact on stakeholders and the benefits to DCode users and the wider system. The WG discussed the potential ways of going about this in a DCode modification.

1. MC could review as a technical expert and agree the recommendation
2. The modification proposal could be submitted to the DER Technical Forum for their Stakehoders to consider the merits of the proposal
3. Commission a consultant to undertake a focused piece of work

The WG agreed to consider the options but initially took the view that MC could advise the WG at the next meeting of the likely impact for members to consider further. MC agreed the action to review Annex A of G99. **Action: MC**

Members discussed a more comphrehensive piece of work to align with the GC0096 proposal was to create explicit definitions for electricity storage in the DCode and associated Annex documents which would provide flexibility in future if a set of unique requirements were applied to storage in future. The group reviewed the definitions proposed in the National Grid proposal and amended the DCode and DCode Annex Documents to support the GC0096 proposal. All members were asked to review the definitions.

**Action: All**

Members discussed before progressing further with the proposal, they would like to seek an expert opinion on the best way to approach the DCode modifications. The WG suggested Mike Kay would be best suited to provide advice to the DCRP storage WG on this issue. VH agreed to discuss with Mike Kay and report back to the WG.

**Action: VH (Complete)**

# ***Timeline***

**September**

16 Secretary disucssion with Mike Kay to discuss sensible approach in the DCode

27 DCRP Storage WG Meeting

# **AOB**

None.

# **Date of next meeting**

* DCRP Storage WG meeting – Friday 27 September 2019 via WebEx/Teleconference commencing at 1000.

DCRP Storage Working Group Papers can be downloaded [here](http://www.dcode.org.uk/current-areas-of-work/dc0096-storage-working-group.html).