

## NOTES

### Storage Working Group

#### DCRP

15/06/20 @ 13:00 (2 Hour)

#### Attendees:

Name	Initial	Company
Matthew White - Chair	MW	UK Power Networks
Chris McCann	CM	ENA
Mark Dunk	MD	ENA
Mike Kay	MK	ENA
Eduard Sanz	ES	C-E Int
Richard Harrison	RH	Clarke Energy
Ian Wassman	IW	Comap-Controls
Charles Wood	CW	Energy-UK
Gillian Williamson	GW	ENWL
Alastair Shearer	AS	GTC/BUUK
William Cass	WC	Last Mile
David Hill	DH	NIE Networks
Alan Creighton	AC	NPG
Chris Artist	CA	NPG
Sarah Carter	SC	Ricardo
Paul Graham	PG	Sembcorp
Jason Kirrage	JK	Solar Edge
Steve Somerville	SS	SP-Energy
Hui Heng	HH	SSE
Steve Quinn	SQ	Western Power Grid
Mark Horrocks	MH	WSP

#### Apologies:

Name	Initial	Company

#### ACTIONS LIST

No.	Detail	Leader	Date	Complete
Action 1	Draft new Terms of Reference document and finalise for next meeting.	CM	10/07/20	✓

Action 2	Send original Modification document to MW for reference.	CM	02/07/20	✓
Action 3	Sarah and matt to review 2017 mod proposal and subsequent G98/G99 draft docs	SC/MW	Next Meeting	✓
Action 4	Follow up with Ofgem on the current position of their licence for generation	MD/CM	Ongoing	
Action 5	Members to send through contact details for Manufactures to become involved.	ALL	10/07/20	
Action 6	Reach out to Fluence and Tesla for involvement in working group.	CM	Next Meeting	✓
Action 7	Distribution Code requires update to incorporate DDRC	CM	02/07/20	

**NOTES**

Item	Focus	Leader	Date
1.	<b>Welcome, Introductions and Acceptance of Agenda.</b> Members welcomed and agenda was accepted.	CM	02/07/20
2	<b>Reviews</b>		
2.1	<u>Progress Made by Previous Storage Forum</u> Background on previous incarnation of the working group, highlighting its scope and what it looked to achieve. This included an examination of the GC0096 work with a view to raising a modification to the DCode similarly removing any exemptions for storage. The output was a draft code mod proposal and draft G98/G99 docs. This work then stalled and did not progress.	MW	02/07/20
2.2	<u>Current Working Group Membership</u> Further membership from manufactures will be desirable for subsequent meeting. Invitations to join will go out between this meeting and the August meeting.	MD	02/07/20
2.3	<u>DCRP/MP/17/05-Terms of Reference Document</u> A new terms of reference document will be drafted with a new DCRP/MP/20/XX to cover these modification works. A section will be included to cover other elements such as V2G. Areas for consideration will be only technical connection/operation documents but commercial/operational requirements will be acknowledged and respected.	MD/MW MW/MK	02/07/20
3.	<b>Review of Storage Issues</b>		
3.1	<u>Update of Status legal/licensing issues</u> Ofgem are to issue a new licence for generation to include storage. No confirmation of this at present. However this is not likely to have any effect on distribution connected storage apart from very large sites of 50MW or greater.	MK/MW	02/07/20

<p><b>3.2</b></p>	<p><u>Recent developments in the Grid Code and in Europe</u></p> <ul style="list-style-type: none"> <li>GC0096 has been now approved.</li> </ul> <p>The emerging European approach is to treat storage as generation. However it could be three or four years until EU law is changed to implement this. The WG expects that the UK remain closely linked to EU regulations in this regard because of the continuing trading/market arrangements. The WG also agreed that there was no need to wait for this, taking into account the current and future system needs and compatibility with the recent Grid Code changes.</p>	<p>MK</p>	<p>02/07/20</p>
<p><b>3.3</b></p>	<p><u>Vehicle to Grid</u></p> <p>Discussions had around terms of V2G (vehicles with ability to export) and V1G, (import only vehicles) In discussion it was noted that the approach so far in the EU is to focus compliance for V2G on the connexion point, and leave the design and detail of implementation to vehicle and charger manufacturers (and owners) to ensure compliance a the connexion point. This approach has the merit of simplicity for network requirement purposes and it seems worth pursuing, although recognizing that experience and developments might argue for a different approach in future.</p>	<p>MK</p>	<p>02/07/20</p>
<p><b>4</b></p>	<p><b>Actions Agreed.</b></p> <p>Actions run through with the group, see above. Ian Wassman to represent AMPS.</p>	<p>CM/MW</p>	<p>20/07/20</p>
<p><b>5</b></p>	<p><b>AOB;</b></p> <p>Witness tests when energy systems are connected. As systems become more advanced.</p> <p>V2G – Different manufactures run different systems, some information</p>	<p>ES</p> <p>ES</p>	<p>02.07/20</p>
<p><b>5.</b></p>	<p><b>Next meeting;</b></p> <p>First Wednesday of each month.</p> <p>Wednesday 5<sup>th</sup> August 2-4pm.</p>	<p>MW/CM</p>	<p>02/07/20</p>