

## EREC P28 Workgroup

### MINUTES

Meeting – Thursday 21<sup>st</sup> September 2023, 10:00 – 14:45

### MS Teams Meeting

ATTENDEES	INITIAL	COMPANY
Chris McCann	CMc	ENA
Simon Scarbro	SS	NGED
Joseph Weston	JW	NPg
Milana Plecas	MP	SPEN
Zivanayi Musanhi (part)	ZM	UKPN
Saad Khan	SK	GTC
Gary Eastwood	GE	Threepwood

### APOLOGIES

Peter Twomey	PT	ENWL
Forooz Ghassemi	FG	NGET

**MEETING NOTES AND ACTIONS**

**LEAD**

<b>Agenda item 1.</b>	<b>Welcome and acceptance of agenda</b>	<b>CMc</b>
<p>Members were welcomed to the meeting, held as a hybrid at ENA Offices and members joining through MS Teams. The agenda items were agreed.</p>		
<b>Actions</b>	None	
<b>Agenda item 2.</b>	<b>Review of previous actions</b>	<b>CMc</b>
<p>CMc led the group through the actions from the previous meeting, each action was discussed and completed actions closed. The minutes were then approved on this basis.</p>		
<b>Actions</b>	None	
<b>Agenda item 3.</b>	<b>EREP development</b>	<b>ALL</b>
<p>The group discussed a response document being prepared for stakeholders and the frequency which current data indicates may represent system events as a result of the operation of BESS equipment. The group then moved to discussing methods for attaining relevant system data to provide as part of that document.</p> <p>The group noted a number of relevant standards for the group to consider noting as references in the final draft report.</p> <p><u>Draft index clause review</u></p> <p>GE provided a verbal update on the index clauses document and proposed content including sections for guidance on transformer in-rush (energisation) these clauses have since the previous meeting been transferred into a working document which was circulated to the members prior to the meeting.</p> <p>The group reviewed the draft text covering guidance on the 3% step change value and detailed discussions on if an RVC can be classified as 'step change' this will have an impact on the frequency of any events observed at the PCC and relevant guidance provided.</p> <p>It was noted that the proposed annex sections should include a range of examples for industry, though these will need to be carefully considered to provide accurate and efficient guidance, further work is required on the development of these examples.</p> <p>It was noted that some examples from a previous version of EREC P28 could benefit from inclusion into the draft all members were asked to consider and provide examples for assessment at a future meeting.</p> <p><u>Flicker/Modelling material discussion</u></p> <p>SS provided a verbal run through of slides presenting operational data analysis on frequency variation. The group followed up with a discussion on system inertia. The group then discussed possible approaches to Solar and Wind modelling.</p> <p>The group reviewed coincidence observed on the system and the P28 guidance in relation to multiple sites connected through a single PCC.</p>		

<p>The group reviewed P<sub>st</sub> figures in the current version of P28 and reviewed these against 1 second data collected. It was noted that the group could benefit from engagement with the ESO on frequency data. CMc to engage before next meeting.</p> <p><u>Guidance discussions</u></p> <p>The group reviewed the relevant elements such as system data and example development for the Annex sections of the report. GE proposed for a drafting sub-group to focus primarily on the development of the examples and main body of text to be formed and begin the drafting process. Any members who wish to be involved were asked to provide a response, CMc to collate.</p> <p><u>Frequency services</u></p> <p>The group briefly discussed ‘STOR’ services and if these will have an effect on the engineering report guidance. Further discussion required.</p>		
<b>Action</b>	Consider examples from P28 for inclusion in Annex section of EREP	
<b>7.1</b>	<b>27/10/23</b>	ALL
<b>Action</b>	Engage with ESO for representative to join discussions	
<b>7.2</b>	<b>27/10/23</b>	CMc
<b>Action</b>	Collate responses for a members drafting sub-group to be formed	
<b>7.3</b>	<b>06/10/23</b>	CMc
<b>Agenda item 4. Workgroup Engagement</b>		<b>ALL</b>
<p>Engagement with wider stakeholders was discussed. It was proposed that developers engaged with the DER TF and subsequent ENA BESS group should be approached to join discussions at the appropriate point in development. CMc to raise at the next available opportunity.</p> <p>JW noted that he may have some relevant contacts from BESS controller data access and offered to consider these and forward the relevant contacts.</p>		
<b>Action</b>	Raise EREP Development at next BESS workgroup meeting	
<b>7.4</b>	<b>Q4 2023</b>	CMc
<b>Action</b>	Consider and forward relevant BESS controller access data contacts	
<b>7.5</b>	<b>27/10/23</b>	JW
<b>Agenda item 5. DCRP Update</b>		<b>CMc</b>
<p>CMc provided a verbal update on the planned update for the DCRP on progress. This will include the response document being prepared for developers and the development of P28 compliant examples to be included in the final report.</p>		
<b>Actions</b>	None	
<b>Agenda item 6. AOB</b>		<b>CMc</b>

None raised.		
<b>Actions</b>	None	
<b>Agenda item 7.</b>	<b>Next meeting</b>	<b>CMc</b>
A next meeting date was discussed during the meeting, a placeholder for 15 <sup>th</sup> November 2023, CMc to circulate placeholder.		
<b>Actions</b>	None	

## ACTIONS LIST

1.1	Propose nominations for workgroup chair. <b>Ongoing</b>	ALL
3.3	Engage with Stakeholders at the next ENA led BESS workgroup. <b>Q3 2023</b>	CMc
6.2	Members to provide feedback on revised clauses document <b>08/09/23 – ✓</b>	ALL
6.5	Engagement with BESS parties for operational data request <b>28/07/23</b>	ALL
6.6	Members to provide input on data request <b>11/08/23 – ✓</b>	ALL
6.7	Engage with NGESO for Response contract data <b>25/08/23</b>	PT
7.1	Consider examples from P28 for inclusion in Annex section of EREP <b>27/10/23</b>	ALL
7.2	Engage with ESO for representative to join discussions <b>27/10/23 – ✓</b>	CMc
7.3	Collate responses for a members drafting sub-group to be formed <b>06/10/23 – ✓</b>	CMc
7.4	Raise EREP Development at next BESS workgroup meeting <b>Q4 2023 – ✓</b>	CMc
7.5	Consider and forward relevant BESS controller access data contacts <b>27/10/23 – ✓</b>	JW