EREC P28 DNO Workgroup

MINUTES

Meeting – Friday 5th May 2023, 10:00 – 12:00

MS Teams Meeting

ATTENDEES	INITIAL	COMPANY
Chris McCann	CMc	ENA
Simon Scarbro	SS	NGED
Forooz Ghassemi	FG	NGET
Joseph Western	JW	NPg
Milana Plecas	MP	SPEN
Saad Khan	SK	GTC
Gary Eastwood	GE	Threepwood (ENA)

APOLOGIES

Peter Twomey	PT	ENWL
Zivanayi Musanhi	ZM	UKPN

MEETING NOTES AND ACTIONS		LEAD
Agenda item 1.	**Welcome and acceptance of agenda**	**CMc**
Members were welcomed to the meeting and agreed the meeting agenda items.		
Actions	None	
Agenda item 2.	**Review of previous actions**	**CMc**
Actions from the previous meeting were reviewed and the progress/result of each discussed by the members, all completed actions were then closed.		
Actions	None	
Agenda item 3.	**Steps caused by frequency variations**	**All**
SS led the group through a presentation outlining some observed frequency variations at an 11kV NGED network connection. The slides contained a number of graphs representing flicker recording, ramp times and voltage/current variations. the group then discussed how these variations are experienced at customer installations and if these are a result of frequency response services. It was muted that these affects could be caused by inappropriate settings being used at the power park controllers (PPCs) on the response service equipment. SS informed the group that a meeting is planned with the developer of the site suspected of causing the local variations and will provide an update to the group once this meeting has taken place. The group discussed the effects of frequency variations and ramp rates against 3 types of dynamic services (Dynamic Containment, Dynamic Monitoring and Dynamic Regulation) discussions focused on data recorded for dynamic regulation, and the group requested clarity on the point on the network where this data had been recorded (and if the results were inclusive of the associated transformer). The members then discussed if the data is typical of observations across the wider distribution system? A DNO led study on this topic could be beneficial to understanding and could be used to form part of the guidance document proposed. Current recording of data takes place in 10 second intervals, which doesn't provide adequate accuracy, this raised questions over how often response service sites are receiving data from the grid before they respond, and at what time intervals these responses are being registered and recorded. Phasor measurement data held by National Grid would be useful in determining this, SS stated he may be able to access this data, the members asked that this data can be shared with the workgroup to assess. The programming of PPCs was discussed and it was agreed that all PPCs connected to the network must be correctly programmed so as to reduce any unintended consequences observed at the connection point. Further work required to assess how these devices can be set dependant on the location on the network they are planned to be connected.		
Action 4.1	Provide update post meeting with developer of 11kV connection cited **Q3 2023**	SS
Action 4.2	Provide network frequency data to WG members **Next Meeting**	SS

Agenda item 4.	Approach to drafting	CMc

As stakeholders have raised concerns over a perceived lack of clarity in EREC P28. the group should primarily focus on providing response statements, then make use of any outcomes from network studies looking into the recorded effects of frequency variations observed across the networks to develop guidance material for a planned EREP document.

It was proposed for each DNO to conduct a study of their own networks, this will provide data sources from each network company which can be used to develop guidance text in drafting the Engineering Report.

Review of proposed sections

An early draft of possible sections within the EREP was reviewed, it was agreed that no reference should be made in section titles to 'requirements' as this could be misconstrued as setting out the requirements, which is not the role of the EREP, but rather to provide clarity to the reader.

A section covering customer compliance with application assessments should be considered to set out how a customer / developer to meet the current requirements of EREC P28.

General discussion

The general approach to drafting was discussed. It was proposed that network frequency studies be conducted, and source data from these studies be used to develop the EREP. This will become clear once these studies on network frequency variations have concluded.

Stakeholder engagement

CMc confirmed plans to engage with stakeholders once the EREP reaches drafting stage. This will now take place post any DNO network studies to be carried out.

It was agreed that the workgroup will provide responses to stakeholder issues raised through ENA. CMc will collate these views and share with the workgroup for their views on each.

Action 4.3	Produce collated stakeholder comments on EREC P28 **19/05/23**	CMc
Action 4.4	Provide initial feedback to stakeholder comments raised **02/06/23**	ALL

Agenda item 5.	Next steps	CMc

it was proposed that DNOs carry out network studies on frequency variation data and reporting measurement timeframes. All DNO representative present indicated their support for a study to assess these affects. The next step will be to gather consensus will need to be obtained from the remaining DNOs not present at the meeting regarding a network study to characterise the network frequency changes and identify its components of changes over a defined period of time.

Responses will be formed to collated Stakeholder views on a perceived lack of clarity in certain areas of EREC P28. This will then be relayed to stakeholders – CMc proposed holding a workshop with stakeholders at the appropriate time.

An EREP document will be drafted utilising the results from any network studies conducted, this once first draft has been reached will include views from industry.

Action 4.5	Contact remaining DNOs on proposed network study **Next Meeting**	CMc
Agenda item 6.	**AOB**	**CMc**
None raised.		
Actions	None	
Agenda item 7.	**Next meeting**	**CMc**
Members agreed the next meeting will be held 7th June, CMc to circulate invites.		
Actions	None	

ACTIONS LIST

1.1	Propose nominations for workgroup chair **Ongoing**	ALL
3.3	Engage with Stakeholders at the next ENA led BESS workgroup **Q3 2023**	CMc
4.1	Provide update post meeting with developer of 11kV connection cited **Q3 2023 –** ✓	SS
4.2	Provide network frequency data to WG members **Next Meeting –** ✓	SS
4.3	Produce collated stakeholder comments on EREC P28 **19/05/23 –** ✓	CMc
4.4	Provide initial feedback to stakeholder comments raised **02/06/23 –** ✓	ALL
4.5	Contact remaining DNOs on proposed network study **Next Meeting –** ✓	CMc