

# Code Administrator Meeting Summary

## Meeting name: GC0166 Workgroup Meeting 4

Date: 15/05/2024

### Contact Details

Chair: **Milly Lewis (ESO)** [milly.lewis@nationalgrideso.com](mailto:milly.lewis@nationalgrideso.com)

Proposer: **Steve Baker (ESO)** [stephen.baker@nationalgrideso.com](mailto:stephen.baker@nationalgrideso.com)

## Key areas of discussion

The Chair led the Workgroup through a review of the open actions, to which BD and SB discussed with the workgroup

### Review Actions Log

The Chair led a review of the action log, with the Workgroup agreeing to close actions 1,2,3 and 8

### Action 4 'Expectation and scope of GC0166 in relation to newly built or yet to be built Pump Storage not covered by the existing Pump Storage Grid Code defined term and any potential unfair treatment this may cause'

- SB and BD will need to look to the impacts on when we can introduce this to our systems. For example for timing of the BSC mod and when this can be delivered.

### Action 6 -BSC Change ESO to look into how we deal with additional declaration when more reserve has been used by a BMU. ESO to consider 3<sup>rd</sup> case- if depleted a dynamic service and how to redeclare so that there is traceability as to reasons why.

- Agreed by proposer that this will need to be looked into further by ESO and also a sub group organized to look into this.

### Action 7 Consider if need 15 or 30 minute rule or can we make a permanent change (IT systems assume this is max value MIL/MEL so needs careful internal consideration?)

- Agreed that proposer BD will speak to control room and provide more information and examples in the next WG

## ***New Definitions***

The Proposer introduced the concept of Maximum Delivery Offer (MDO) and Maximum Delivery Bid (MDB) and new dynamic parameters to be included in BC1.A.1.5 Dynamic

Parameters for Short Duration assets. The Workgroup meeting focused on these new definitions.

The Proposer introduced the concept of Future State of Charge (FSoC) which the Workgroup did not fully discuss, however there were concerns on how State of Charge (SoC) was being presented. As energy doesn't align with how battery operators would describe this and that SoC seems very battery specific. The ESO SME shared that for planning purposes you probably need to be asset specific, but further discussion would be had on this topic.

**Stacking Examples/Diagram**

BD to provide a examples regarding 'Stacking as It was discussed many times in workgroup, Chair put forward an idea maybe process flow could be provided to workgroup for the next WG to provide more information on Stacking. Also WG member would like more information from a compliance side if from an Ofgem perspective it would look like 'reserving capacity'

**Legal Text**

Unfortunately due to time, the Workgroup were unable to go through the amendments made on the Legal Text by SB, this will be review again on the next WG ensuring this Is discussed at the start of the group meeting.

**Review Timeline**

The Chair led a review of the timeline and suggested bringing forward Workgroups 4 and 5 before launching a Workgroup Consultation and then having 2 or 3 further Workgroups post Workgroup Consultation. The Workgroup agreed with this suggestion.

The timeline to be updated and presented to the Grid Code Review Panel in April 2024 for approval.

**Any Other Business**

None

**Actions**

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
4	WG2	SB	Expectation and scope of GC0166 in relation to newly built or yet to be built Pump Storage not covered by the existing Pump Storage Grid Code defined term and any potential unfair treatment this may cause,		WG5	Open
7	WG3	ML	Clarify which Company business areas Workgroup members are representing.		WG5	Open
8	WG3	SB/BD	Clarify whether GC0096 and point on pumped storage was		WG4	Closed

			this a point in time or not a point in time.		
9	WG3	SB/BD	Liaise with ESO legal on whether MDO & MDB definitions should in the Glossary & Definitions or BC2. Current precedent within BC2 has some definitions within should they be moved to the G & D or vice versa.	WG4	Closed
10	WG3	ML	Pros & Cons of using a commercial or a technical parameter to added to the Workgroup consultation.	WG4	Closed
11	WG3	RD, CM, ET, SL, BD	Example of various scenarios and good practise capturing trade off in terms of time variations. Real life code examples.	WG4	Closed
12	WG3	SB/BD	References in BC1 compliance	WG5	Open
13	WG3	ML	Update timeline as agreed by Workgroup for Grid Code Panel approval.	WG4	Closed
14	WG4	BD/SB	BC11 Definitions: Consider removing 'to The Company'	WG5	Open
15	WG4	SB/BD	To look into how we deal with additional declaration when more reserve has been used by a BMU.	WG5	Open
16	WG4	SB/BD	To provide and Diagram to WG on how stacking services would work	WG5	Open
17	WG4	LM	To provide the WG information on 'Open letter on dynamic parameters and other information submitted by generators in the Balancing Mechanism'	WG5	Open

**Attendees**

Name	Initial	Company	Role
Milly Lewis	ML	Code Administrator, ESO	Chair
Sean Nugent	SN	Code Administrator, ESO	Tech sec
Steve Baker	SB	ESO	Proposer
Bernie Dolan	BD	ESO	SME
Andrew Colley	AC	SSE	Observer

Chris Mcleod	CM	Habitat Energy	Workgroup Member
David Graves	DG	Quorum Development	Observer
Eli Treuherz	ET	Arenko	Workgroup Member
Euan Killengray	EK	Krakenflex	Observer
Ewen Ellen	EE	Scottish Power	Observer
Giorgio Balestrieri	GB	Tesla	Workgroup Member
Graham Lear	GL	ESO	Observer
Grazina Macdonald	GM	Waters Wye & Associates	Workgroup Member
Hooman Andami	HA	Elmya Energy	Workgroup Member
Julie Richmond	JR	Scottish Power Renewables	Workgroup Member Alternate
Kamila Nugumanova	KM	Drax	Workgroup Member
Lauren Jauss	LJ	RWE Supply and Trading	Workgroup Member
Luke McCartney	LM	Ofgem	Authority Representative
Maria Popova	MP	Centrica	Workgroup Member
Mark Ajal	MA	SSE	Workgroup Member Alternate
Mark Steger	MS	EDF Energy	Observer
Matthew Donnachie	MD	Scottish Power	Observer
Mel Ellis	ME	Shell	Workgroup Member Alternate
Natasha Bayler	NB	ESO	Observer
Nathan Moriarty	NE	ESO	Observer
Olly Frankland	OF	Electricity Storage Network/Regen	Observer
Pete Noyce	PN	Krakenflex	Observer
Richard Devenport	RD	Shell	Workgroup Member
Robert Longden	RL	Cornwall Insight/Eneco Energy Trade BV	Workgroup Member
Sandy Kelly	SK	EDF Energy	Workgroup Member
Shantanu Jha	SJ	Zenobe	Workgroup Member
Shivam Malhotra	SM	LCP Delta	Observer
Simon Lord	SL	Engie	Workgroup Member
Sonia Quiterio	SQ	Conrad Energy	Workgroup Member Alternate

Stephen Dale	SD	ESO	Observer
Stephen Knight	STK	SSE	Workgroup Member
Sushanth Kolluru	SUK	LCP Delta	Observer
Tikshala Gothankar	TG	Yuso	Workgroup Member Alternate
Tom Debenham	TD	LCP Delta	Observer