Public

# Code Administrator Meeting Summary

## Meeting name: GC0166 Workgroup Meeting 12

**Date: 04/03/25**

**Contact Details**

**Chair:** Claire Goult (NESO) claire.goult@nationalenergyso.com

**Proposer:** Steve Baker (NESO) stephen.baker@nationalenergyso.com

## Key areas of discussion

- **Introduction** - The Chair outlined the main agenda items for the meeting, which included reviewing the timeline and objective, reviewing the worked examples and actions review.

- **Worked Examples (MDO/MDB submissions only)** - The NESO SME provided an overview of the MDO/MDB submissions only worked example. The NESO SME clarified that the data submission should cover the entire period, from 11:00 of the defaulting day plus 2500, to ensure the data is applicable for the whole duration. The Workgroup noted that "Capped Committed Level" (CCL) was not a defined term in the Grid Code, the Workgroup agreed the Grid Code defined term "**Committed Level**" (CL) should be used to instead to ensure clarity in the legal text.

- **Worked Examples (Future State of Energy Model)** - Several Workgroup members raised concerns with the use and definition of Limited Duration Asset (LDA). The Workgroup proposed and agreed to create a new Grid Code defined term: **Energy Constrained BM Unit**.

  The Workgroup requested reassurance from NESO regarding the handling of data, the NESO SME confirmed that internal reassurance work was being conducted to ensure that the IT infrastructure could handle the data. The NESO SME mentioned

that preliminary checks had been done, and the final reassurance would be completed before the proposal is sent to Ofgem for a decision.

The Workgroup emphasized the need for clarity on the parameters for the **Future State of Energy** model, including specifically the import and export efficiency, state of energy, maximum limits, daily cycle limit and how often the parameters should be updated and whether they should be considered static or dynamic. The NESO SME agreed that more detail was needed to clarify the parameters noting it would be refined over time once MDO and MDB are in place. Initially, the model would use static parameters, but it would become more granular in the future. The NESO SME emphasized that the current focus was on getting the basic model in place and then refining it further. The Workgroup decided that this detail would be included in the Workgroup Report to provide clear guidance on the expectations for parameter updates.

The Workgroup highlighted that the current treatment of co-located assets might not clear enough for these scenarios. The Proposer clarified that co-located assets would be addressed outside of this current modification, with the focus of this Modification on the primary objectives of this Workgroup without delving into co-location complexities.

- **Legal Text** – The Workgroup discussed and agreed on the definitions for the **Future State of Energy (FSoE)**, and **Energy Constrained BM Unit**. The Workgroup also reviewed and agreed suggested changes to the legal text for MDO and MDB.

**Next Steps**

- The Chair outlined the next steps, including circulating the updated legal text and addressing any remaining queries before the next Workgroup meeting.

- Next Workgroup meeting **Wednesday 19 March**.

## Actions

| Action Number | WG Raised | Owner | Action | Status | Latest |
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| 32 | WG11 | SB | Clarify the code implementation and enactment timelines | Open | ESO will publish an appropriate timeline (6 or 12 month as appropriate) to enact |

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| | | | and provide an indicative schedule. | | MDO/MDB after the GC0166 legal text solution is approved and inserted into the GC |
| 33 | WG11 | HK/JH | NESO to provide written assurance alongside the proposal to Ofgem that the solution proposed will meet the requirements of the original submission. | Open | Revised Modelling addresses this point- this has been circulated to Workgroup members including Ofgem. We believe that the proposed solution will meet the requirements of the original submission. Address challenges around how assets are dispatched efficiently and how to best plan for use of such units |
| 34 | WG11 | HK/JH | Clarify multiple BMU's with single source of energy, single BMU with multiple sources of energy and single source of energy with Hybrid aggregated BMU | Open | NESO to treat multiple BMUs with a single source of energy as individual units. |
| 35 | WG11 | HK/JH | Consider FSoE risks in terms of could no data be better than data that could change considerably. | Open | Data submission covers the entire period a PN is submitted for. And the data , as for a PN, defaults at 11:00 each day. The reason for covering the entire period: To ensure assets with few changes do not have to submit data on a ongoing basis and only when they make a PN change or have a SoE limitation restricting ability to deliver a BOA for a 90 minute duration. To ensure, in the event of communication or system failure the BM can |

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| | | | | | continue to operate until communications are restored, otherwise the BM would have no MDO/MDB data to continue sending instructions. To ensure units with no changes required on a typical day will have the data defaulted at 11:00 each day. To enable future improvements to enhance the accuracy of FSoE model which covers the entire period a PN is submitted for. |
| 36 | WG11 | SB | Extend the scenario diagrams to include period 4 to ensure clarity on responsibilities and permitted actions | Open | Modelling sent to Workgroup on 24/02 Worked Example WG12 papers. |
| 37 | WG11 | HK/JH | Consider impact on all asset types and how this could be managed through exemptions or otherwise. | Open | For BMUs of longer duration- default value facility provided. |
| 38 | WG11 | HK/JH | Consult with the NESO market monitoring and compliance teams to ensure that the proposed solution for MDO/MDB parameters does not lead to unintended market consequences or breaches. | Open | Done whilst creating Worked Example |

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| 39 | | HK/JH | Define defaulting rules for MDO/MDB parameters. | Open | Defaulting rules are specified in the Data Validation, Consistency and Defaulting Rules. Considered whilst creating Worked Example. |
| 40 | WG11 | SB | Review and refine the legal text to include definitions for limited storage, the use of FSoE, and defaulting rules. | Open | Spoke to Legal re: use of (FSoE) and suggested insertion as per Legal Text slide (1). Definitions for Limited storage to be considered when data is available. See Action 39 re Defaulting Rules. |
| 41 | WG11 | HK/JH/ SB | Legal Text - consider the impact of including a statement that committed FPNs should be excluded from the calculation of MDO and MDB. | Open | See tweaks suggested in: new definitions:<br><br>Future State of Energy (FSoE) Maximum Delivery Offer (MDO), Maximum Delivery Bid (MDB) |
| 42 | WG12 | HK/JH | Create a data diagram that shows all the data flow and details from the tech team and investigate the possibility of developing an interactive tool for testing the submission and understanding of data between control room and industry. | New | |

## Attendees

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| Claire Goult | CG | Code Administrator, NESO | Chair |

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| Andrew Hemus | AH | Code Administrator, NESO | Tech sec |
| Steve Baker | SB | NESO | Proposer |
| Luke McCartney | LM | Ofgem | Authority Rep |
| Hannah Kernthaler | HK | NESO | SME |
| Jean Hamman | JH | NESO | SME |
| Andrew Allan | AA | RWE Supply & Trading GmbH | Workgroup Member Alternate |
| Eli Treuherz | ET | Arenko Group | Workgroup Member |
| Giorgio Balestrieri | GB | Tesla | Workgroup Member |
| Graz Macdonald | GM | Waters Wye & Associates | Workgroup Member |
| Jack Greenwood | JG | KrakenFlex | Workgroup Member Alternate |
| Kamila Nugumanova | KN | Drax | Workgroup Member |
| Mark Steger | MS | EDF Energy (UK) | Workgroup Member |
| Oliver Butler | OB | Centrica | Workgroup Member |
| Peter Errington | PE | Flexitricity Ltd | Workgroup Member |
| Richard Devenport | RD | Shell | Workgroup Member |
| Robert Longden | RL | Cornwall Insight/Eneco Energy Trade BV | Workgroup Member |

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| Stephen Knight | SK | SSE | Workgroup Member |
| Tikshala Gothankar | TG | Yuso | Workgroup Member Alternate |
| David Graves | DG | Quorum Development | Observer |
| Elly Segre | ES | NESO | Observer |
| Gail Devenny | GB | Scottish Power Global Energy Management | Observer |
| Naomi Baker | NB | Energy UK | Observer |
| Nigel Goodwin | NG | NESO | Observer |
| Olly Frankland | OF | Electricity Storage Network/Regen | Observer |
| Sean Nugent | SN | NESO | Observer |
| Steve Dale | SD | NESO | Observer |