

Approval of the Reference Network Mapping Statement 2022/2023 for use in BSC Year 2024/2025.

Imbalance Settlement Group (ISG)

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Owner/author	David Thomas	Purpose of paper	Decision
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Summary **We invite the ISG to approve the draft reference Network Mapping Statement 2022/2023 for use in the BSC Year 2024/2025.**

1. Introduction

- 1.1 When electricity is transmitted over the Transmission System some energy is 'lost'. This 'lost' energy is commonly referred to as 'transmission losses'. To account for transmission losses in Settlement, each Balancing Mechanisms (BM) Unit's Metered Volume is scaled by applying a Transmission Loss Factor (TLF) to it on an individual basis.
- 1.2 These TLFs are calculated by the TLF Agent (TLFA) for each TLF Zone. The TLF Zones are aligned with the existing Grid Supply Point (GSP) Groups so transmission losses can be allocated on a geographical basis.
- 1.3 Elxon allocates the TLFs to BM Units using the Network Mapping Statement (NMS) with help from the TLFA.

2. Draft Reference Network Mapping Statement

- 2.1 The NMS is based on historic data from a 'Reference Year', running from 1 September to 31 August each year, for use in the following BSC Year. This NMS contains data relating to the Reference Year 2022/2023 for use in the BSC Year 2024/2025.
- 2.2 The draft reference NMS must contain:
 - a) for each:
 - i BM Unit that is directly connected to the Transmission System;
 - ii GSP; and
 - iii Interconnector;
 - iv that was registered in the Central Registration Service (CRS) at any point between 1 September 2022 and 31 August 2023 (the Reference Year) a mapping to the Node which represents or best represents it (it being recognised that one Node may represent several such points);
 - b) for each Node, the Zone in which the Node lies;
 - c) for each BM Unit, the Zone in which the BM Unit lies; and
 - d) for each High Voltage Direct Current (HVDC) Boundary, the Node which represents or best represents the HVDC Boundary.
- 2.3 Elxon provided a copy of the draft reference NMS to the ISG at its September 2023 Meeting.

3. Consultation with BSC Parties, NG ESO and the ISG on the draft reference NMS

- 3.1 As required by the BSC, the draft reference NMS for use in 2024/25 was made available to all Parties (including NETSO) via a consultation on 31 August 2023. Elexon published this on the [Consultations](#) page of our website, advertised it in [Newscast 981](#), and gave Parties 10 working days to respond.
- 3.2 The deadline for responses was 17:00 on 14 September 2023, and **Elexon did not receive any comments on the draft reference NMS from BSC Parties.**
- 3.3 Due to change with Google Analytics, visitor webpage counts are unavailable where less than 50 users have visited. As we have no data available, it appears that less than 50 users visited the consultation page or downloaded the draft reference NMS, which is in line with last year's data (16 unique visitors to the webpage in 2022, with three copies of the draft reference NMS downloaded).

4. Next Steps

- 4.1 The ISG is required to approve the draft reference NMS with such amendments (if any) as the ISG may decide by no later than 19 October each year, taking into account any representations or comments from BSC Parties.
- 4.2 Elexon believes that the draft reference NMS (provided as Attachments A and B) is fit for purpose and requests that the ISG approves this as the reference NMS 2022/2023 for use in the BSC Year 2024/2025.
- 4.3 If approved by the ISG, Elexon will provide the reference NMS 2022/2023 to the TLFA no later than 19 October 2023. Elexon will also issue it to the NETSO and publish it on the BSC Website.
- 4.4 Following approval, Elexon updates the reference NMS on a periodic basis to contain any newly registered BM Units, GSPs and Interconnectors that were registered in the CRS, at which point it is called the prevailing NMS.

5. Recommendations

- 5.1 We invite you to:
 - a) **APPROVE** the attached draft reference NMS 2022/2023 for use as the reference NMS in the BSC Year 2024/2025; and
 - b) **NOTE** that Elexon will provide the reference NMS 2022/2023 to the TLFA and NETSO, and will publish it on the BSC Website no later than 19 October 2023

Attachments

Attachment A – Reference Network Mapping Statement for Reference Year 2022/23 (Excel document)

Attachment B – Reference Network Mapping Statement Supporting Document (PDF document)

For more information, please contact:

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