

Approval of the Reference Network Mapping Statement 2020/2021 for use in BSC Year 2022/2023.

Imbalance Settlement Group (ISG)

Date of meeting **5 October 2021**

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Purpose of paper **Decision**

Classification **Public**

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Summary **We invite the ISG to approve the draft reference Network Mapping Statement 2020/2021 for use in the BSC Year 2022/2023.**

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 Elexon allocates the TLFs to BM Units using the Network Mapping Statement (NMS). The TLFA also uses the NMS.

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 2020/2021 for use in the BSC Year 2022/2023.
- 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 2020 and 31 August 2021 (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 Elexon provided a copy of the draft reference NMS to the ISG at its September 2021 Meeting.

3. Consultation with BSC Parties and the BSC Panel on the draft reference NMS

- 3.1 Elexon issued the draft reference NMS for consultation on 31 August 2021 for 10 Working Days. Elexon published the draft reference NMS 2020/2021 on the [Consultations](#) page of our website, advertised it in [Newscast 868](#) and emailed it directly to BSC Parties via CVA and SVA Distribution lists. The deadline for responses was 17:00 on 14 September 2021.
- 3.2 Elexon did not receive any comments on the draft reference NMS from BSC Parties, however the following statics from our website show that it was viewed.

Page Title	Users	Unique Page views	Avg. Time on Page (Minutes)
P350 draft reference network mapping statement for Reference Year 2020-21	27	24	6:06

Downloaded File	Total Downloads
consultations/p350-draft-reference-network-mapping-statement-for-reference-year-2020-21/	24
consultations/p350-draft-reference-network-mapping-statement-for-reference-year-2020-21-pro-forma/	11

- 3.3 There are no changes to the draft reference NMS which was provided to the ISG in September.

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 2021, 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 2020/2021 for use in the BSC Year 2022/2023.
- 4.3 If approved by the ISG, Elexon will provide the reference NMS 2020/2021 to the TLFA no later than 19 October 2021. 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 2020/2021 for use as the reference NMS in the BSC Year 2022/2023;
 - b) **NOTE** that Elexon will provide the reference NMS 2020/2021 to the TLFA and the NETSO and will publish it on the BSC Website no later than 19 October 2021; and

Attachments

Attachment A – Draft reference Network Mapping Statement Reference Year 01/09/2020 – 31/08/2021 v1.0 (Excel document)

Attachment B – Draft reference Network Mapping Statement for the Determination of Transmission Loss Factors (Word document)

For more information, please contact:

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