

APPROVAL OF THE REFERENCE NETWORK MAPPING STATEMENT

MEETING NAME	BSC Panel
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Date of meeting	10 October 2019
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Paper number	295/14
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Owner/author	Katie Wilkinson
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Purpose of paper	Decision
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Classification	Public
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Summary	The draft Network Mapping Statement was issued for consultation on 30 August 2019. No comments were received from BSC Parties by the consultation deadline. Therefore we invite the BSC Panel to approve the draft reference Network Mapping Statement 2018/2019 for use in the BSC Year 2020/2021.
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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 2018/2019 for use in the BSC Year 2020/2021.
- 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;
that was registered in the Central Registration Service (CRS) at any point between 1 September 2018 and 31 August 2019 (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); and
 - 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.

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2.3 ELEXON provided a copy of the draft reference NMS to the Panel at its August 2019 Meeting ([293/14](#)).

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 30 August 2019 for 10 Working Days. ELEXON published the draft reference NMS 2018/2019 on the Consultations page of the ELEXON Website, advertised it in [Newscast 768](#) and emailed it directly to BSC Parties via CVA and SVA Distribution lists. The deadline for responses was 17:00 on 13 September 2019.

3.2 ELEXON did not receive any comments on the draft reference NMS from BSC Parties. The consultation was viewed on the ELEXON website by five users, spending an average of 4.19 minutes on the page.

3.3 ELEXON received a number of comments on the draft reference NMS from National Grid Electricity System Operator (NGESO). We have raised these changes with the TLFA who do not believe that they will have any material impact on the TLF Calculations. We therefore have not consulted for a second time with these changes included. As a result of NGESO comments, the following changes have been made to the draft reference NMS:

Volume Allocation Unit (Directly Connected BM Unit) to Node Mapping			
	Unit Id	Previous Node Id	New Node Id
BTN	T_GANW-11	GAOF30	GAOF31
BTN	T_GANW-13	GAOF30	GAOF31
BTN	T_GANW-22	GAOF30	GAOF32
BTN	T_GANW-24	GAOF30	GAOF32
BTN	T_GRGBW-1	GREG30	GREG31
BTN	T_GRGBW-2	GREG30	GREG32
BTN	T_GRGBW-3	GREG30	GREG33

Volume Allocation Unit (Interconnector) to Node Mapping			
	BM Unit Id	Previous Node Id	New Node Id
ITN	NEMOLINK	RICH4	RICH41

Node to Zone Mapping			
	New Node Id	Zone	Node Name
NTZ	GAOF31	1	Galloper
NTZ	GAOF32	1	Galloper
NTZ	GREG31	1	Greater Gabbard Wind Farm
NTZ	GREG32	1	Greater Gabbard Wind Farm
NTZ	GREG33	1	Greater Gabbard Wind Farm
NTZ	RICH41	9	Richborough (NEMOLINK)

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4. Next Steps

- 4.1 The BSC Panel is required to approve the draft reference NMS with such amendments (if any) as the Panel may decide by no later than 19 October 2019, 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) and updated with the comments from NGESO, is fit for purpose and requests that the BSC Panel approves this as the reference NMS 2018/2019 for use in the BSC Year 2020/2021.
- 4.3 If approved by the Panel, ELEXON will provide the reference NMS 2018/2019 to the TLFA no later than 19 October 2019. ELEXON will also issue it to NGESO 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) **NOTE** that the draft reference NMS has been updated with comments from NGESO since the previous version was provided to the Panel;
 - b) **APPROVE** the attached draft reference NMS 2018/2019 for use as the reference NMS in the BSC Year 2020/2021; and
 - c) **NOTE** that ELEXON will provide the reference NMS 2018/2019 to the TLFA and the NGESO Transmission Company and will publish it on the BSC Website no later than 19 October 2019.

Attachments

Attachment A – draft reference Network Mapping Statement Reference Year 01/09/2018 – 31/08/2019 v2.0 (Excel document)

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

For more information, please contact:

Katie Wilkinson, Settlements Operations Analyst

Katie.wilkinson@elexon.co.uk

020 7380 4376