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## UMS Material Error Monitoring Q1 2021 Report

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### Unmetered Supplies User Group

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Summary **This paper provides the Unmetered Supplies User group (UMSUG) with a view of the latest UMS Material Error Monitoring (MEM) data from Q1 2021. This paper also provides an update on progress of publishing the MEM data on a quarterly basis.**

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### 1. Background

- 1.1 At the March 2021 UMSUG meeting, Elexon presented a paper ([UMSUG131/01](#)) which provided data analysis of UMS MEM data from Q3 and Q4 2020.
- 1.2 During the meeting, UMSUG members asked if this data could be provided on a quarterly basis. An action was raised (131/01) for Elexon to ask the Performance Assurance Technique (PAT) owner for the MEM process to assess the possibility of producing this report on a quarterly basis and the publication options.

### 2. MEM Process Summary

- 2.1 MEM is one of the 'detective' [Performance Assurance Techniques](#) that operate within the [Performance Assurance Framework](#). MEM is designed to: estimate the impact and materiality of a Settlement error, monitor error levels over time, and estimate the contribution to overall market errors made by individual Parties and their Agents. The MEM process currently monitors UMS, as well as Energisation status, and erroneous large Estimated Annual Consumption (EAC) and Annualised Advances (AAs).
- 2.2 For UMS MEM, Elexon monitors the issue of erroneous values of UMS in the Non Half Hourly (NHH) market. The monitoring involves comparing UMS data from Unmetered Supplies Operators (UMSOs) and Non Half Hourly Data Aggregators (NHHDA) on a particular Settlement Date following the SF run.
- 2.3 The monitoring takes place quarterly and the dates used can be found in the UMS Monitoring Timetable on the [BSC Website: Material Error Monitoring](#).
- 2.4 On or shortly after the Settlement Date, all UMSOs provide Elexon with an extract of NHH UMS EAC values. Following the SF run for the Settlement Date, all Non Half-Hourly Data Aggregators (NHHDA) provide Elexon with files containing information on all UMS Metering System Identifiers (MSIDs). The UMSO and NHHDA data is then processed and compared by Elexon to determine the error in Settlement. Error is quantified in terms of overstated and understated EAC values by the NHHDA.
- 2.5 Any MSIDs that have error identified through a mismatch between the UMSO and NHHDA declared EAC values are compiled into summary reports that are distributed to the relevant UMSOs and Suppliers. Elexon expects the UMSO, Supplier and Supplier Agents to engage in communication with one another to proactively resolve any errors identified in time for the next quarterly report.
- 2.6 UMS MEM currently compares EAC values held by 21 UMSOs and 19 NHHDAs.

### 3. Quarterly UMS MEM Data Update

- 3.1 The PAT owner for the MEM process has confirmed that the UMS MEM data can be provided on a quarterly basis.
- 3.2 The latest quarterly UMS MEM data, based on Q1 2021 can be found in Attachment A. The graphs within the attachment provide a view of:
- Comparisons of understated and overstated error between the latest and previous quarters
  - Amount of new vs old erroneous instances
  - Total error per GSP Group
  - Five largest overstated and understated errors
  - Total error per Supplier
  - Total error per NHHDA
- 3.3 The MEM PAT owner is currently looking into changing this quarterly reporting from a manual process to one utilising Power BI and plans to provide a revised report design for next quarters MEM report.

### 4. Recommendations

- 4.1 We invite the UMSUG to:
- a) **NOTE** the quarterly UMS MEM Report

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