



UMS Monitoring – Explanatory Notes

ELEXON monitors the issue of erroneous values of Unmetered Supplies in the non half hourly market. The monitoring involves comparing UMS data from UMSOs and NHHDA's on a particular Settlement Date following the SF run. The monitoring takes place quarterly and the dates used can be found in the UMS Monitoring Timetable.

On or shortly after the Settlement Date all UMSOs take a snapshot of unmetered EAC values which they provide to ELEXON in P0218 format as defined in the SVA Data Catalogue:

http://www.elexon.co.uk/documents/BSC_and_Related_Documents/BSC_-_Business_Definition_Documents/SVA_Data_Catalogue_Volume_1_v28.0.pdf

Following the SF run for the Settlement Date all NHHDA's run a script provided by ELEXON that results in a csv file for each partition containing information on all UMS MPANs. The UMSO and NHHDA data is then processed and compared by ELEXON to determine the error in Settlement.

The instances identified as contributing to the error as reported in the Supplier Materiality Reports fall into one of three categories:

DA Only

These are MPANs that are only held in NHHDA and are not in the UMSO data. This category includes only:

- MPANs energised according to SMRS view (unless an AA has been submitted – in this case the AA is replaced by a Default EAC and included in the error in line with aggregation rules)
- MPANs with Measurement Class B (NHH Unmetered) according to SMRS view
- Instances where the error > 5MWh (as agreed with BSC Auditor)

If the NHHDA holds an MPAN but no EAC value a Default EAC is inserted by the monitoring system in line with aggregation rules.

UMS Only

These are MPANs that are held in UMSO and do not appear in the NHHDA data. This category includes only:

- MPANs energised according to the UMSO
- MPANs with MC B according to the UMSO
- Instances where the error > 5MWh (as agreed with BSC Auditor)

Both

These are MPANs that appear in both the NHHDA and the UMSO data but either the EAC values or the Energisation Status (ES) held is different. This category includes only:

- MPANs with MC B according to UMSO
- Instances where the error > 5MWh (as agreed with BSC Auditor)

Where either the NHHDA or UMSO holds the MPAN as de-energised the EAC value is taken to be zero in the error calculation (unless the NHHDA holds an AA – in this case the AA is replaced by a Default EAC inline with aggregation rules). Where the NHHDA holds the MPAN but no EAC value a Default EAC is inserted. For the purposes of calculating the Settlement error each MPAN contributes it is assumed that the UMSO view of the ES and MC is accurate.

Supplier Reports

The Supplier reports are distributed by Supplier ID. They include all instances contributing to the error that are attributed to that Supplier ID. As well as the instances where the error is greater than 5MWh, they also show instances below 5MWh on separate worksheets. Only the instances above 5MWh contribute to the error reported in the Supplier Materiality Reports, the other instances are reported to give a complete view to the Supplier of all discrepancies to help with resolution. The reports contain sheets with the following columns:

Totals

DA_Count	Number of MPANs in DA Only
UMS_Count	Number of MPANs in UMS Only
Both_Count	Number of MAPNs in Both
Total_Count	Total number of MPANs in all error categories
DA_Error	Sum of the error of all instances in DA Only [MWh]
UMS_Error	Sum of the error of all instances in UMS Only [MWh]
Both_Error	Sum of the error of all instances in Both [MWh]
Total_Error	Sum of the error of all instances across all categories [MWh]

DA_Only (above and below 5MWh)

MPAN	MPAN
NHHDA	NHHDA ID
SUP	Supplier ID
DC_ID	NHHDC ID
E_or_A	Whether the NHHDA holds and EAC or AA. If the NHHDA does not hold either this column will be empty
ES	Energisation Status held by the NHHDA

EAC	This will either be the EAC value as submitted by the NHHDA or a Default EAC value inserted by the monitoring system if the E_or_A column is empty or is A [kWh]
EFSD	Effective From Settlement Date of the EAC
MWh_Error	The error contribution for that MPAN. This will equal the EAC value but will be reported in MWh

UMS Only (above and below 5MWh)

MPAN	MPAN
UMSO	UMSO ID
SUP	Supplier ID
ES	Energisation Status held by the UMSO (if this was missing from the original extract it will be assumed energised and will be shown as 'E (assumed)' in this column)
EAC	The EAC value as submitted by the UMSO [kWh]
EAC_eff_date	Effective From Settlement Date of the UMSO EAC
MWh_Error	The error contribution for that MPAN. This will be equal to the negative of the EAC value (as it is negative error) but will be reported in MWh rather than KWh.

Both (above and below 5MWh)

MPAN	MPAN
NHHDA	NHHDA ID
UMSO	UMSO ID
SUP	Supplier ID
DC_ID	NHHDC ID
E_or_A	Whether the NHHDA holds and EAC or AA. If the NHHDA does not hold either this column will be empty
DA_ES	Energisation Status held by the NHHDA
DA_EAC	This will either be the EAC value as submitted by the NHHDA or a Default EAC value inserted by the monitoring system if the E_or_A column is empty or is A. If the MPAN is de-energised according to SMRS the EAC value submitted will be shown here but a value of zero will be used to calculate the error. [kWh]
DA_EAC_EFSD	Effective From Settlement Date of the NHHDA EAC
UMSO_ES	Energisation Status held by the UMSO (if this was missing from the original extract it will be assumed energised and will be shown as 'E (assumed)' in this column)

UMSO_EAC	The EAC value as submitted by the UMSO. If the MPAN is de-energised according to the UMSO the EAC value submitted will still be shown here but a value of zero will be used to calculate the error. [kWh]
UMSO_EAC_EFSD	Effective From Settlement Date of the UMSO EAC
MWh_Error	The error contribution for that MPAN. This is the difference between the EACs (unless either the UMSO or NHHDA hold the MPAN as de-energised in which case it will be the value of the EAC that is not held as de-energised). [MWh]

UMSO Reports

The UMSO reports contain the same sheets as the Supplier reports apart from the 'DA Only'. They include all instances contributing to the error that are attributed to that UMSO ID.