

## CATEGORY 1.01

### 1.01 Inaccuracy of standing data (key Meter Technical Detail (MTD) data fields) held by Data Collector (DC)

#### Summary

Elexon has highlighted three root causes for Category 1.01 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that three non-compliances are awaiting rectification, as such have not yet had a root cause assigned.

#### Incorrect evidence submission (correct data held at time of inspection)

Two Category 1.01 non-compliances were identified on Central Volume Allocation (CVA) Main Sample inspections visits, as a result of the Half-Hourly Data Collector (HHDC) submitting incorrect Meter Technical Details (MTDs). The HHDC holds the correct MTDs, with the non-compliances representing an audit engagement failure, rather than a material issue with the Metering System.

#### Erroneous data entry during creation of MTDs

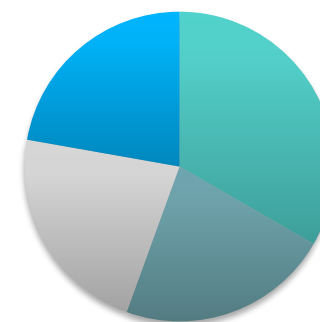
Two Category 1.01 non-compliances were identified on Supplier Volume Allocation (SVA) Specific Sample inspection visits, as a result of Meter Registration Multipliers (MRM) being assigned to the incorrect channel. Supplier notes that this issue is common because channel order in MTDs is not regulated.

#### Site incorrectly registered as non-complex

Two Category 1.01 non-compliances were identified on SVA Specific Sample inspection visits, as a result of MTDs containing an incorrect 'non-complex site' flag.

Category 1.01 Root Causes	SVA	CVA
Rectification in progress	3	
Incorrect evidence submission (correct data held at time of inspection)		2
Erroneous data entry during creation of MTDs	2	
Site incorrectly registered as non-complex	2	
Total	7	2

### Category 1.01 Root Causes



- Rectification in progress
- Incorrect evidence submission
- Erroneous data entry during creation of MTDs
- Incorrectly flagged as non-complex on MTDs

## CATEGORY 1.02

### 1.02 Metering equipment incorrect or unsatisfactory

#### Summary

Elexon has highlighted three root causes for Category 1.02 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that 16 non-compliances are awaiting rectification, as such have not had a root cause assigned.

Please also note that 10 of the 16 observed Category 1.02 non-compliances had associated Commissioning related Category 2 non-compliances. This indicates clear control failures, which in many cases has resulted in a material error.

#### Closed Current Transformer (CT) links in substation

Two Category 1.02 non-compliances were identified for Supplier Volume Allocation (SVA) Main Sample inspections visits, as a result of the CT links being closed in the Licenced Distribution System Operator (LDSO) substation. In both instances there were associated Commissioning non-compliances.

#### Building Network Operator (BNO) wiring error on installation

One Category 1.02 non-compliance was identified on SVA Main Sample inspection visits, due to a Building Network Operator (BNO) wiring error at installation. This had an associated Commissioning non-compliance.

#### Meter screen blank

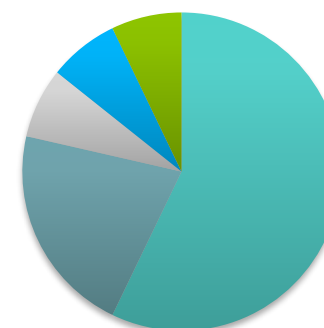
Two Category 1.02 non-compliances were identified on SVA Main Sample inspection visits, due to the Meter screen being blank at time of inspection. Following a Meter exchange, the Half Hourly Data Collector (HHDC) confirmed the Meter had been correctly recording, despite the screen issue.

#### Blown Fuse

Category 1.02 non-compliances were identified for blown fuses on one SVA Specific Sample inspection.

Category 1.02 Root Causes	SVA	CVA
Rectification in progress	8	
Closed CT link in substation	3	
BNO wiring error on installation	1	
Meter screen blank	1	
Blown fuse	1	
Total	12	

### Category 1.02 Root Causes



- Rectification in progress
- Closed CT link in substation
- BNO wiring error on installation
- Meter screen blank
- Blown fuse

# CATEGORY 1.03

## 1.03 Timing error (major)

### Summary

Elexon has highlighted two root causes for Category 1.03 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that one non-compliance is awaiting rectification, as such it has not had a root cause assigned.

### Existing Meter fault resulted in major timing error

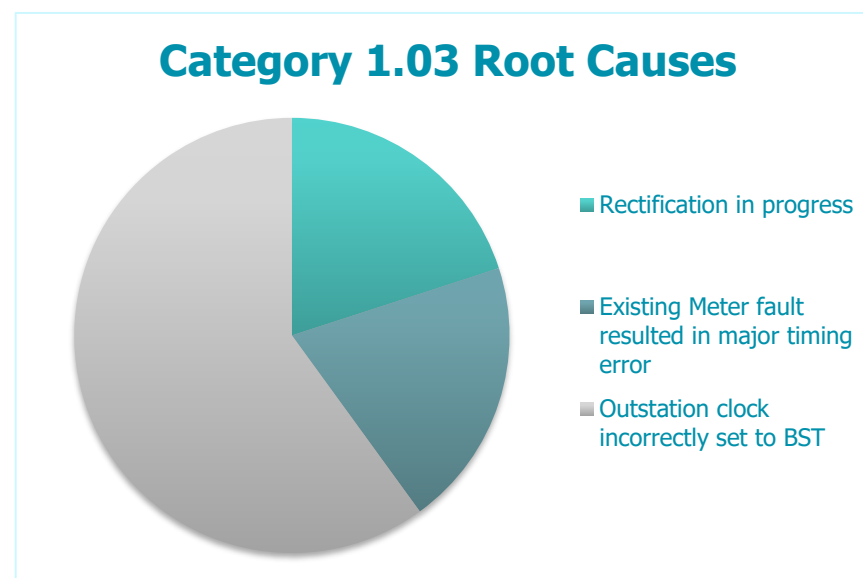
One Category 1.03 non-compliance was identified for a Supplier Volume Allocation (SVA) Main Sample inspection visit. A D0001 'Request for Metering System Investigation' was issued by the Half Hourly Data Collector (HHDC), noting a dialling failure. A fault remained outstanding during the inspection visit, and the TAA noted the outstation clock was out of tolerance. The error was corrected following a Meter exchange.

### Outstation clock incorrectly set to British Summer Time (BST)

Three Category 1.03 non-compliances were identified on SVA Main Sample inspection visits, due to outstation clocks being incorrectly registered to BST. Non-compliances were rectified on-site by the Half Hourly Meter Operator Agent (HHMOA), or by a subsequent Meter exchange.

In all cases the HHDC was able to correct data, without the need for a Trading Dispute.

Category 1.03 Root Causes	SVA	CVA
Rectification in progress	1	
Existing Meter fault resulted in major timing error	1	
Outstation clock incorrectly set to BST	3	
Total	5	



# CATEGORY 1.04

## 1.04 Measurement Transformer ratios physically incorrect

### Summary

Elexon has highlighted one root cause for Category 1.04 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that three non-compliances are awaiting rectification, as such no root causes have been assigned.

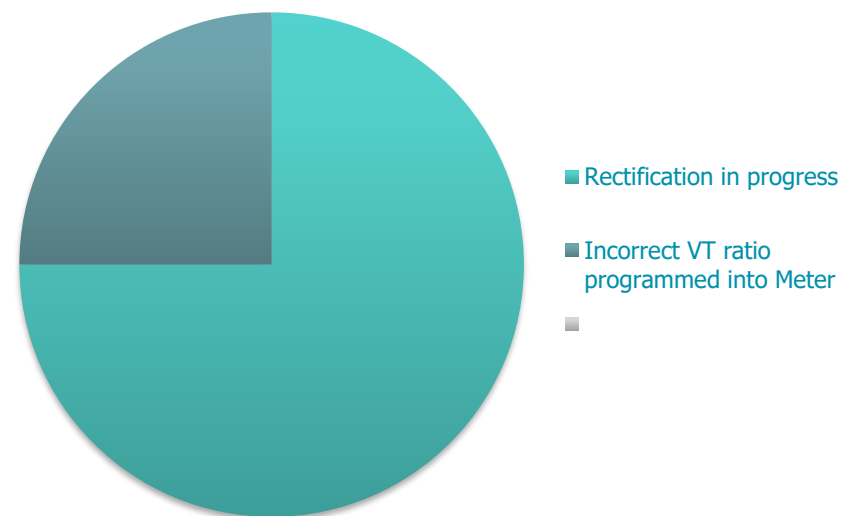
### Incorrect Voltage Transformer (VT) ratio programmed into Meter

One Category 1.04 non-compliance was identified for a Supplier Volume Allocation (SVA) Main Sample inspections visit. The Meter had been incorrectly programmed with a Voltage Transformer (VT) ratio of 20000/110V, rather than 22000/110V. The site had been Commissioned prior to the TAA inspection, but only for the Current Transformers (CT). As such, Commissioning did not identify an issue.

The non-compliance resulted in a material Trading Dispute.

Category 1.04 Root Causes	SVA	CVA
Rectification in progress	3	
Incorrect VT ratio programmed into Meter	1	
Total	4	

### Category 1.04 Root Causes



# CATEGORY 1.06

## 1.06 Miscellaneous

### Summary

Elexon has highlighted three root causes for Category 1.06 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that one non-compliance is awaiting rectification, as such no root cause have been assigned.

#### Site incorrectly registered as energised

Three Category 1.06 non-compliance were identified as being incorrectly registered as energised. The Licensed Distributor System Operator (LDSO) de-energised the site six months prior to the TAA inspection visit. No Trading Dispute was required as the Half Hourly Data Collector (HHDC) corrected the data using batch estimation.

#### CT mismatch between main and check Meter

One Category 1.06 non-compliance was identified due to a mismatch between the main and the check Meter. The main and check Meters were exchanged April 2018. The new main Meter was incorrectly programmed to 250/5A, rather than 200/5A. Commissioning was not performed following exchange.

#### Metering Dispensation required

One Category 1.06 non-compliance was identified due to an export site that was missing a Metering dispensation which was required to clarify the Metering configuration. A Trading Dispute is in progress.

Category 1.06 Root Causes	SVA	CVA
Rectification in progress	1	
Site incorrectly registered as energised	3	
CT mismatch between main and check Meter	1	
Metering Dispensation required	1	
Total	4	

### Category 1.06 Root Causes

