

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

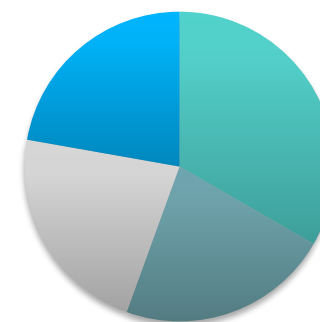
Two Category 1.01 non-compliances were identified on Supplier Volume Allocation (SVA) Specific Sample inspection visits, as a result of Meter Registration Multipliers (MRM) being assigned to the incorrect channel. Supplier notes that this issue is common because channel order in MTDs is not regulated.

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

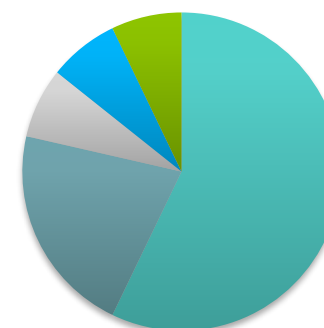
Two Category 1.02 non-compliances were identified on SVA Main Sample inspection visits, due to the Meter screen being blank at time of inspection. Following a Meter exchange, the Half Hourly Data Collector (HHDC) confirmed the Meter had been correctly recording, despite the screen issue.

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

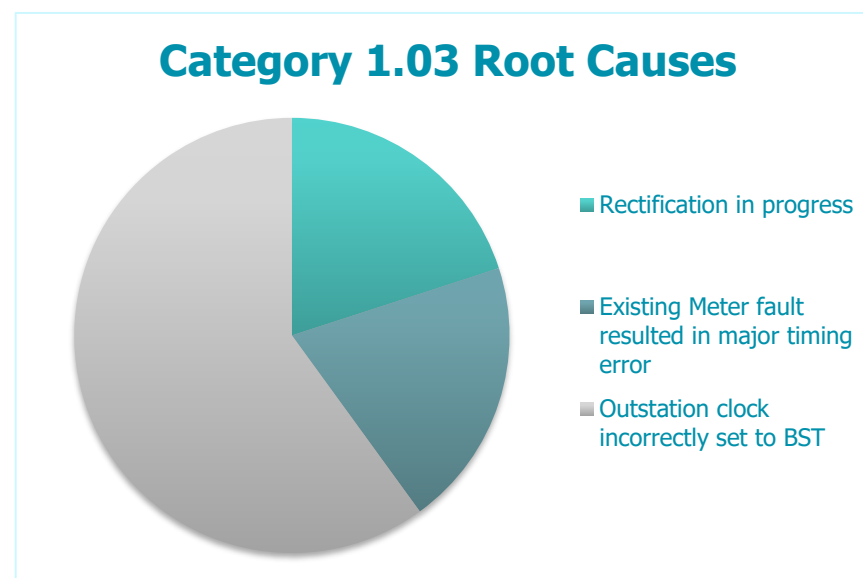
One Category 1.03 non-compliance was identified for a Supplier Volume Allocation (SVA) Main Sample inspection visit. A D0001 'Request for Metering System Investigation' was issued by the Half Hourly Data Collector (HHDC), noting a dialling failure. A fault remained outstanding during the inspection visit, 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

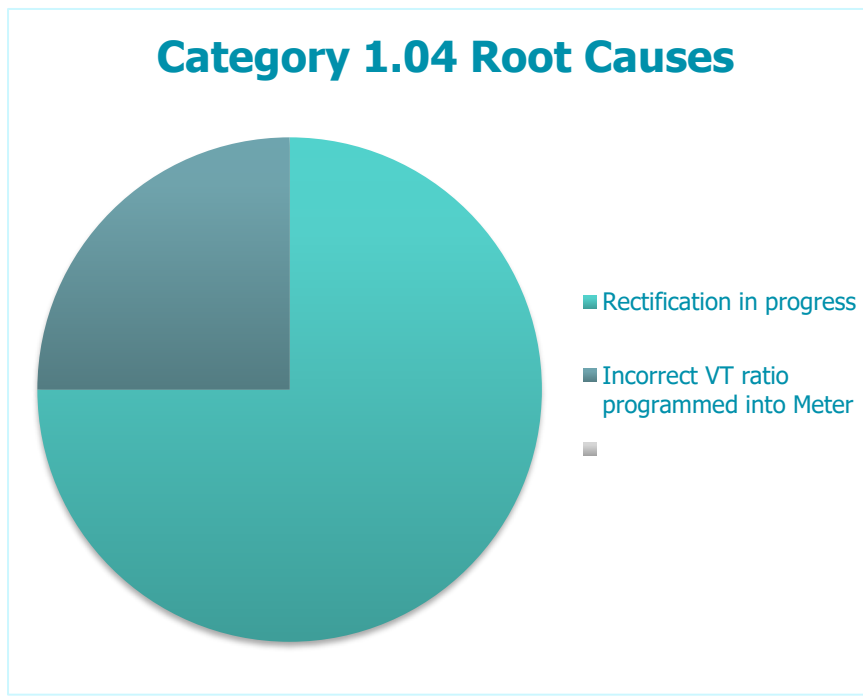
Elexon has highlighted one root cause for Category 1.04 non-compliances in the Technical Assurance of Metering (TAM) 2019/20 audit. Please note that three non-compliances are awaiting rectification, as such no root causes have been assigned.

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 1.06

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

