

## Certification No. 2453

This is to certify that the metering equipment identified as:

**Type:** ST401D\_V010324\_V010606 **Active firmware(s):** Id=V010324 S=EBFA66CD,Id=V010606 S=FF6C8CDB  
Id=V000011 S=E2D87EF7

**Mgmt. SAP = 1** is "4D414331303330373030313934313238" (MAC1030700194128)

**Manufactured by:** METER & CONTROL DOO

has successfully passed the DLMS/COSEM Conformance test, under the following conditions:

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20190830\_METER&CONTROL\_DOO\_SERBIA (30.8.2019.)
- COSEM object definitions file version: Object\_defs\_v3.6\_Released\_2\_20200102.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_ WITH_ CIPHERING	SERVICE_SPECIFIC_DED_ CIPHERING SERVICE_SPECIFIC_ GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE KEY_TRANSFER	24-SEP-2020 10:59:54	8610EB5E19E772A32EBD897 CC7C3585727FFC22EBA8F9 281713678A2B90B1D3F

The authenticity of the test report(s) has been verified by the DLMS User Association and the metering equipment identified above is listed on its web site at: [www.dlms.com](http://www.dlms.com).

With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.



The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

This Certificate is only valid for the functions successfully tested; see the Summary. The test has been executed on one specimen of the product, as identified by the Management Logical Device Name reported. Results may not be applicable for other test specimens.

Date: Zug, the 24<sup>th</sup> September 2020



*Sergio Lazzarotto*  
Executive Director and President



*Gyöző Kmethy*  
President Emeritus



*Viktória Varjú*  
Certification Engineer

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## Summary of features tested for Test 1

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\METER & CONTROL DOO"  
  FLAGid = "\MAC"  
  Type = "\ST401D_V010324_V010606"  
  SerialNr = "\00194128"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	176	0	32	0	144	0
COSEM	18897	0	56	68	18773	0
SYMSEC	125	0	17	0	108	0
PUBSEC		All (No ciphered association with the required properties)				
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

Communication profile: HDLC

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Authentication mechanisms: NO\_SECURITY, LOW\_LEVEL\_SECURITY  
HIGH\_LEVEL\_SECURITY\_SHA1  
HIGH\_LEVEL\_SECURITY\_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE\_REFERENCES, RLRQ\_RLRE  
SELECTIVE\_ACCESS  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING, SUITE\_0  
SECURITY\_ACTIVATE, KEY\_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4D414331303330373030313934313238"  
(MAC1030700194128)

Active firmware(s): Id=V010324 S=EBFA66CD, Id=V010606 S=FF6C8CDB  
Id=V000011 S=E2D87EF7

COSEM classes tested: 1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 20, 21, 22  
23(1), 29(2), 40, 41, 43, 48, 64, 70, 71, 72, 74  
90(1), 91(1), 92(1)

COSEM classes found but not tested: (none)