Certification No. 2181

This is to certify that the metering equipment identified as:

Type: ITE650   Active firmware(s): Id=I1.24 2019-08-20 S=D787550B
Mgmt. SAP = 1 is "495445313931303239393939303236" (ITE1910299999026)
Manufactured by: ITRON

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20160322_ITRON (3/22/2016)
- COSEM object definitions file version: Object_defs_v3.3_released_180601.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1 Optical	HDLC, MODE_E	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	04-SEP-2019 09:44:20	58E6F05B0F3D1322A2533653E9 F58C1B660D9577F7DDE8E23251 41F3D481750C
Test 2 Serial	HDLC, DIRECT_HDLC			05-SEP-2019 08:35:20	E377ED2F11C96EA5A8E2DD40F E54DE872C0AC1C78A09FB1944 58705B83CB683C

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.

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.

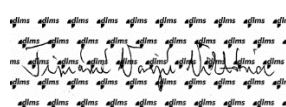**dlms**
COSEM
Compliant

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 9th September 2019

Győző Kmethy
President

Viktória Varjú Timárné
Certification Engineer

Certification No. 2181

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 = "\ITRON"
  FLAGid = "\ITE"
  Type = "\ITE650"
  SerialNr = "\99999026"
}

***********
* Summary *
***********

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(MODE_E)
APPL    162     0         31             0              131      0
COSEM   21450   0         73             863            20514    0
SYMSEC  141     0         21             0              120      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_GMAC

ACSE and xDLMS features:          ACTION,GET,RLRQ_RLRE,SELECTIVE_ACCESS
                                  SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:                SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                  SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:         (not collected)

Logical device(s) found:
                                  SAP = 1 is "4954453139313032393939393939303236"
(ITE1910299999026)

Active firmware(s):               Id=I1.24 2019-08-20 S=D787550B

COSEM classes tested:             1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20
                                  22,23(1),30,40,64,70


COSEM classes found but not tested: (none)
```

The DLMS UA is a not for profit Association in conformance with Art. 60ff of the Swiss Civil Code.
Commercial registration number CHE-440.972.101

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Summary of features tested for Test 2

```
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 = "\ITRON"
  FLAGid = "\ITE"
  Type = "\ITE650"
  SerialNr = "\99999026"
}

***********
* Summary *
***********

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         4              0              32       0
APPL    162     0         31             0              131      0
COSEM   21933   0         73             725            21135    0
SYMSEC  141     0         21             0              120      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_GMAC

ACSE and xDLMS features:          ACTION,GET,RLRQ_RLRE,SELECTIVE_ACCESS
                                  SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:                SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                  SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:         (not collected)

Logical device(s) found:
                                  SAP = 1 is "4954453139313032323939393939303236"
(ITE1910299999026)

Active firmware(s):               Id=I1.24 2019-08-20 S=D787550B

COSEM classes tested:             1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20
                                  22,23(1),30,40,64,70


COSEM classes found but not tested: (none)
```