DLMS User Association

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Certification No. 2046

This is to certify that the metering equipment identified as:

Type: wBEC 44(X)
Mgmt. SAP = 1 is "434F4E3038343030303030303030333631" (CON0840000000361)
Manufactured by: Conlog

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20161014_Andrea_Informatique (10/14/2016)
- 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	HDLC, MODE_E	LONG_NAMES, LONG_NAMES_WITH_ CIPHERING	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	21-NOV-2018 12:12:03	A8E5E0434A6FC9A68D03949 13FF2E38B798C795F8ECD970 1E15C73C8F03FF312

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 28th November 2018

Győző Kmethy
President

Certification No. 2046

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 = "\Conlog"
  FLAGid = "\CON"
  Type = "\wBEC 44(X)"
  IUTIsModule = FALSE
  SerialNr = "\00000001"
  Comment = "\SmartMeter"
  Comment = "\Conlog"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(MODE_E)
APPL    58      0         16             0              42       0
COSEM   130     0         0              7              123      0
SYMSEC  39      0         9              0              30       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,HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features:          ACTION,GET,MULTIPLE_REFERENCES,RLRQ_RLRE
                                  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 "434F4E30383433030303030303030333631"
(CON0840000000361)

Active firmware(s):               Id=0203

COSEM classes tested:             1,3,8,15(1),17,19(1),23(1),43,64

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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