DLMS UserAssociation

Certification No. 1856

This is to certify that the metering equipment identified as:

Type: DDZ1513(OBS6K1C)
Mgmt. Logical Device Name: SAP = 1 is "49484D303031373031303530" (IHM001701050)
Manufactured by: SHENZHEN INHEMETER CO.,LTD.

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

- CTT version: CTT 3.0 standard edition, 64bits (106)
- Licensed to: 20120917_Shenzhen_Inhemeter_Shenzhen_China (2012/9/17)
- COSEM object definitions file version: Object_defs_v2.10_released_GKVV151112.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	ACTIVATE_SECURITY_POLICY, KEY_TRANSFER, SERVICE_SPECIFIC_GLO_CIPHERING	01-AUG-2017 15:39:36	93188D1A4DA7137D374703F 52ECA3BDA61F2B9E52AE20 223C279FD316EB2AC49

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 3rd August 2017

Győző Kmethy
President

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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 = "\SHENZHEN INHEMETER CO.,LTD."
  FLAGid = "\IHM"
  Type = "\DDZ1513(OBS6K1C)"
  IUTIsModule = FALSE
  SerialNr = "\10210500000"
  Comment = "\smart prepaid meter"
  Comment = "\RJ45 port"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    63      0         14             0              49       0
COSEM   6893    0         8              0              6885     0
SYMSEC  67      0         19             4              44       0

Communication profile:          HDLC

Application context names:      LONG_NAMES,LONG_NAMES_WITH_CIPHERING

Security mechanisms:            NO_SECURITY,LOW_LEVEL_SECURITY
                                HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features:        GET,MULTIPLE_REFERENCES,RLRQ_RLRE
                                SELECTIVE_ACCESS
                                SERVICE_SPECIFIC_BLOCK_TRANSFER

Security features:              ACTIVATE_SECURITY_POLICY,KEY_TRANSFER
                                SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found:
                                SAP = 1 is "49484D303031373031303530" (IHM001701050)

COSEM classes tested:           1,3,4,5,6,7(1),8,9,11,15(1),17,18,20,21,22
                                23(1),27(1),28,29(1),40,41,42,43,44,45,64
                                70,71,72,74

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