device
language
message
specification

DLMS User Association

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Certification No. 2515

This is to certify that the metering equipment identified as:

Type: AM206   Active firmware(s): Id=10000001 S=00000000
Id=11000002 S=00000000
Id=1418B06SIM800F32 S=00000000
Mgmt. SAP = 1 is "4B464D303033303733132333435363738" (KFM0030712345678)
Manufactured by: ShenZhen Kaifa Technology(Chengdu)Co.,Ltd

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20170421_Shenzhen_Kaifa_Technology_Chengdu_Co_Ltd_Shenzen_CHINA (2017/4/21)
- 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_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	29-DEC-2020 17:50:30	E827161F783CC80E7CE31F373D83C69BCF 35C2E464B9E62A714AAAC275E2C347
This AM206 meter device type has already been certified as Certification No. 1458 at 7th November 2014, tested on DIRECT_HDLC communication profile with CTT version 2.5.					

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.

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: Sursee, the 14th January, 2021

Sergio Lazzarotto
Executive Director and President

Viktória Varjú
Certification Engineer

Certification No. 2515

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 Kaifa Technology(Chengdu)Co.,Ltd."
  FLAGid = "\KFM"
  Type = "\AM206"
  IUTIsModule = FALSE
  SerialNr = "\12345678"
  Comment = "\Optical HDLC"
  Comment = "\Application Context:LN-With-Ciphring"
  Comment = "\Authenthentication mechanisim:GMAC"
  Comment = "\USE Dedicated key:False"
  Comment = "\Authentication+Encryption"
  Comment = "\For AM206 Poly Phase Meter CTT test"
}

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

TYPE    TOTAL   SKIPPED  INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------  ------------   ------------   ------   ------
HDLC   36       0        3              0              33       0
APPL   72       0        19             0              53       0
COSEM  1758     0        10             29             1719     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,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 "4B464D30303333303733132333435363738"
(KFM0030712345678)

Active firmware(s):                Id=10000001 S=00000000
                                   Id=11000002 S=00000000
                                   Id=1418B06SIM800F32 S=00000000

COSEM classes tested:              1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20
                                   21,22,23(1),27(1),28(2),29(2),40,41,42,44
                                   45,47,48,62,64,70,71,72(1),74

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

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