DLMS User Association

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Certification No. 2143

This is to certify that the metering equipment identified as:

Type: DDSF949 SL05-A   Active firmware(s): Id=20190527
Mgmt. SAP = 1 is "414D473030303030303030303030303031" (AMG0000000000001)
Manufactured by: Ante Metering Group 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: 20190319_AMG_,ZHEJIANG (2019/3/19)
- 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, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_WITH_CIPHERING	SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	10-SEP-2019 12:02:13	43F3BA4ADD186DA60CFB4 AAF84C8797D257FA4712693 726B2B79DAD001C00554

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 10th September 2019

Győző Kmethy
President

Viktória Varjú Timárné
Certification Engineer

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 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 = "\Ante Metering Group Co., Ltd"
  FLAGid = "\AMG"
  Type = "\DDSF949 SL05-A"
  ConfigurationId = "\AMG0000000000001"
  SerialNr = "\2018051903000001"
  Comment = "\comment 1"
  Comment = "\comment N"
}

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


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    100     0         25             0              75       0
COSEM   23824   0         0              521            23303    0
SYMSEC  36      0         9              0              27       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,MULTIPLE_REFERENCES
                                  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 "414D47303030303030303030303031"
(AMG0000000000001)

Active firmware(s):               Id=20190527

COSEM classes tested:             1,3,4,5,7(1),8,9,11,15(2),19(1),20,22,23(1)
                                  64,70

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