DLMS UserAssociation

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Certification No. 1802

This is to certify that the metering equipment identified as:

Type: VTX-34G
Mgmt. Logical Device Name: SAP = 1 is "4155585654582D3334474C4947455231"
(AUXVTX-34GLIGER1)
Manufactured by: Ningbo Sanxing Smart Electric Co., Ltd

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

- CTT version: CTT 3.0 standard edition, 64bits (103)
- Licensed to: Ningbo_Sanxing_Smart_Electric_Co_Ltd (2016-11-21)
- 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 suite	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES	0	14-MAR-2017 16:34:20	A85176F2F997841D0BB8FA7ACA72D83930 7FE9DC70A0A1DA324768AB50D71EF7
Test 2	HDLC, MODE_E	LONG_NAMES	0	14-MAR-2017 17:37:33	3E14955BEDCA8D2FAE73F0DA1E9E7EAE 3524D7CD3E3B6FFA056C95B925BC2B9F

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 16th March 2017

Győző Kmethy
President

Certification No. 1802

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 = "\Ningbo Sanxing Smart Electric Co., Ltd"
  FLAGid = "\AUX"
  Type = "\VTX-34G"
  IUTIsModule = FALSE
  SerialNr = "\201703100001"
  Comment = "\This is a comment"
  Comment = "\This is another comment"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         2              0              34       0
APPL    50      0         12             0              38       0
COSEM   8531    0         4              16             8511     0

Communication profile:          HDLC

Application context names:      LONG_NAMES

Security mechanisms:            NO_SECURITY,LOW_LEVEL_SECURITY

ACSE and xDLMS features:        GET,SELECTIVE_ACCESS
                                SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:              (not collected)

Logical device(s) found:
                                SAP = 1 is "4155585654582D3334474C4947455231"
(AUXVTX-34GLIGER1)

COSEM classes tested:           1,3,4,5,7(1),8,9,11,15(1),17,18,19,20,22
                                23(1),40,64,70,71

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

Certification No. 1802

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 = "\Ningbo Sanxing Smart Electric Co., Ltd"
  FLAGid = "\AUX"
  Type = "\VTX-34G"
  IUTIsModule = FALSE
  SerialNr = "\201703100001"
  Comment = "\This is a comment"
  Comment = "\This is another comment"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(MODE_E)
APPL    50      0         12             0              38       0
COSEM   8538    0         4              14             8520     0

Communication profile:          HDLC

Application context names:      LONG_NAMES

Security mechanisms:            NO_SECURITY,LOW_LEVEL_SECURITY

ACSE and xDLMS features:        GET,SELECTIVE_ACCESS
                                SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:              (not collected)

Logical device(s) found:
                                SAP = 1 is "4155585654582D3334474C4947455231"
(AUXVTX-34GLIGER1)

COSEM classes tested:           1,3,4,5,7(1),8,9,11,15(1),17,18,19,20,22
                                23(1),40,64,70,71

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