DLMS User Association

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Certification No. 2378

This is to certify that the metering equipment identified as:

Type: EWGE34x-AMI4 Active firmware(s): Id=05191210 S=5C8D4F92 Id=400512010000 S=1506422F
Id=000000000000 S=000000000000 Id=0615F70D S=06150D80
Id=000000000000 S=000000000000 Id=000000000000 S=000000000000
Mgmt. SAP = 1 is "455747303233330303036303130303135" (EWG0230006010015)
Manufactured by: EWG d.o.o.

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20200107_EWG_DOO_BEOGRAD (1/6/2020)
- 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	15-JUN-2020 15:27:52	198438E6E5568ECBDD840F9E36A6AE4865 D8226E621343333F75A5709CE1E997
Test 2	HDLC, DIRECT_HDLC	LONG_NAMES	(not collected)	15-JUN-2020 15:10:48	7A9760A3BBA19DBCAC60501F82EAE863 619B10EFB48EE7C3D0C746BE1F8399F6

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.
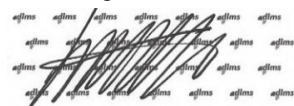
With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.
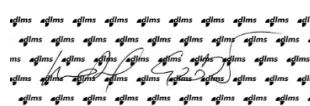
dlms
COSEM
Compliant

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 17th June 2020

Sergio Lazzarotto
Executive Director and President

Győző Kmethy
President Emeritus

Viktória Varjú
Certification Engineer

Certification No. 2378

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 = "\EWG"
  FLAGid = "\EWG"
  Type = "\EWGE34x-AMI4"
  SerialNr = "\06010015"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    58      0         16             0              42       0
COSEM   1509    0         2              20             1487     0
SYMSEC  36      0         8              0              28       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,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 "4557473032333030303630313030313135"
(EWG0230006010015)

Active firmware(s):               Id=05191210 S=5C8D4F92
                                  Id=400512010000 S=1506422F
                                  Id=000000000000 S=000000000000
                                  Id=0615F70D S=06150D80
                                  Id=000000000000 S=000000000000
                                  Id=000000000000 S=000000000000

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(2),29(2),41,42,43,44,45,47
                                  48,64,70

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

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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 = "\EWG"
  FLAGid = "\EWG"
  Type = "\EWGE34x-AMI4"
  SerialNr = "\06010015"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    57      0         19             0              38       0
COSEM   1509    0         2              20             1487     0
SYMSEC          All (No ciphered association with the required properties)
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

Authentication mechanisms:       NO_SECURITY,LOW_LEVEL_SECURITY

ACSE and xDLMS features:         GET,SELECTIVE_ACCESS
                                 SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:               (not collected)

Data protection features:        (not collected)

Logical device(s) found:
                                 SAP = 1 is "45574730323330303036303130303135"
(EWG0230006010015)

Active firmware(s):              Id=05191210 S=5C8D4F92
                                 Id=400512010000 S=1506422F
                                 Id=000000000000 S=000000000000
                                 Id=0615F70D S=06150D80
                                 Id=000000000000 S=000000000000
                                 Id=000000000000 S=000000000000

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(2),29(2),41,42,43,44,45,47
                                 48,64,70

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

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