

Certification No. 2097

This is to certify that the metering equipment identified as:

Type: Landis+Gyr E570 S2 ZxY405CQUx_V83.06.06
Mgmt. SAP = 1 is "4C475A31303330373433363439353137" (LGZ1030743649517)
Manufactured by: Landis+Gyr

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

- CTT version: CTT 3.0 standard edition, 64bits (109)
- Licensed to: Landis+Gyr (11.07.2005)
- 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 optical	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_WITH_ CIPHERING	ACTIVATE_SECURITY_POLICY, KEY_TRANSFER SERVICE_SPECIFIC_DED_ CIPHERING	08-APR- 2019 13:42:07	362E671A711363BDA96515 46E21790333E84F8BE06052 779257D00245B43A42D
Test 2 optical	HDLC, DIRECT_HDLC	SHORT_NAMES, SHORT_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_GLO_ CIPHERING	26-MAR- 2019 11:32:08	CC115CCEB38F388C5B7FD E5D792A19E4C4E138CD94 662036388172516D5777F3

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.



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 8th April 2019



Győző Kmethy
President

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 = "\Landis+Gyr"
  FLAGid = "\LGZ"
  Type = "\Landis+Gyr E570 S2 Zxy405CQUx_v83.06.06"
  IUTIsModule = FALSE
  SerialNr = "\43649517"
  Comment = "\GRD Devices"
  Comment = "\Test and Validation, Zug"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	90	0	16	0	74	0
COSEM	7282	0	33	141	7108	0
SYMSEC	97	0	12	0	85	0

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_SHA1
HIGH_LEVEL_SECURITY_GMAC

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

Security features: ACTIVATE_SECURITY_POLICY, KEY_TRANSFER
SERVICE_SPECIFIC_DED_CIPHERING
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "4C475A31303330373433363439353137"
(LGZ1030743649517)

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 12 (3), 15 (2), 17, 18, 20
21, 22, 23 (1), 29 (2), 40, 41, 43, 48, 64, 70, 71
72 (1), 74, 90 (1), 91 (1), 92 (1)

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 = "\Landis+Gyr"
  FLAGid = "\LGZ"
  Type = "\Landis+Gyr E570 S2 Zxy405CQUx_v83.06.06"
  IUTIsModule = FALSE
  SerialNr = "\43649517"
  Comment = "\GRD Devices"
  Comment = "\Test and Validation, Zug"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	88	0	16	0	72	0
COSEM	7202	0	33	156	7013	0
SYMSEC	97	0	12	0	85	0

Communication profile: HDLC

Application context names: SHORT_NAMES,SHORT_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY,LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_SHA1
HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: MULTIPLE_REFERENCES,READ,RLRQ_RLRE
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER,WRITE

Security features: ACTIVATE_SECURITY_POLICY,KEY_TRANSFER
SERVICE_SPECIFIC_DED_CIPHERING
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "4C475A31303330373433363439353137"
(LGZ1030743649517)

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,12(3),15(2),17,18,20
21,22,23(1),29(2),40,41,43,48,64,70,71
72(1),74,90(1),91(1),92(1)

COSEM classes found but not tested: (none)