

Certification No. 1983

This is to certify that the metering equipment identified as:

Type: SM150

Mgmt. Logical Device Name: SAP = 1 is "4C5945313032303730303131313131" (LYE1020700111111)

Manufactured by: JIANGSU LINYANG ENERGY CO.,LTD

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

- CTT version: CTT 3.0 extended edition, 64bits (108)
- Licensed to: 20161118_Jiangsu_Linyang_Energy_Co_Ltd_Qidong_China (2016/11/18)
- COSEM object definitions file version: Object_defs_v3.0_Released_170127.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	TCP	LONG_NAMES, LONG_NAMES_WITH _CIPHERING	ACTIVATE_SECURITY_POLICY, GENERAL_DED_CIPHERING, GENERAL_GLO_CIPHERING, KEY_TRANSFER	19-JUN- 2018 20:36:21	E558DF6A0DF966DFD11EF0006 B00DF0C3AD3CB9809E7C97928 0C7A9488D29FDC

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 27th June 2018



Gyöző Kmety
President

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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 = "\JIANGSU LINYANG ENERGY CO.,LTD"  
  FLAGid = "\LYE"  
  Type = "\SM150"  
  IUTisModule = FALSE  
  SerialNr = "\00111111"  
  Comment = "\Application Context: LN_WITH-CIPHERING, Authentication mechanism GMAC  
Dedicated Key= TRUE"  
  Comment = "\Client:Public,Management for TCP"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All(Communication profile not HDLC)				
APPL	49	0	10	0	39	0
COSEM	1700	0	2	48	1650	0
SYMSEC	81	0	10	0	71	0

```
Communication profile:          TCP  
  
Application context names:      LONG_NAMES, LONG_NAMES_WITH_CIPHERING  
  
Security mechanisms:            NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC  
  
ACSE and xDLMS features:       ACTION, DATA_NOTIFICATION, GET  
                                MULTIPLE_REFERENCES, RLRQ_RLRE  
                                SELECTIVE_ACCESS  
                                SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
  
Security features:              ACTIVATE_SECURITY_POLICY  
                                GENERAL_DED_CIPHERING, GENERAL_GLO_CIPHERING  
                                KEY_TRANSFER  
  
Logical device(s) found:       SAP = 1 is "4C594531303230373030313131313131"  
(LYE1020700111111)  
  
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, 43  
                                44, 45, 48, 64, 70, 71, 72, 74, 90(1), 91(1), 92(1)  
  
COSEM classes found but not tested: 47(2), 122
```