

Certification No. 2087

This is to certify that the metering equipment identified as:

Type: SP-PRE-19

Mgmt. SAP = 1 is "53534731303230373030303030303031" (SSG1020700000001)

Manufactured by: Super Star Electronics Limited

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

- CTT version: CTT 3.0 standard 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 | HDLC, DIRECT_HDLC | LONG_NAMES, LONG_NAMES_ WITH_ CIPHERING | ACTIVATE_SECURITY_ POLICY, GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER | 08-JAN-2019 08:52:49 | 856C1C5DF616376520B780F74280 F83FE81DF324CDB207392D38C90 9E09D75AC |

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 6th March 2019



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 = "\Super Star Electronics Limited"  
  FLAGid = "\SSG"  
  Type = "\SP-PRE-19"  
  IUTIsModule = FALSE  
  SerialNr = "\00000001"  
  Comment = "\Application Context: LN_WITH-CIPHERING, Authentication mechanism GMAC  
Dedicated Key= TRUE"  
  Comment = "\Client:Public,Management for Optical HDLC"  
}
```

* Summary *

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|---------|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | 36 | 0 | 1 | 0 | 35 | 0 |
| APPL | 49 | 0 | 10 | 0 | 39 | 0 |
| COSEM | 1687 | 0 | 10 | 49 | 1628 | 0 |
| SYMSEC | 81 | 0 | 10 | 0 | 71 | 0 |

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, 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
GENERAL_DED_CIPHERING, GENERAL_GLO_CIPHERING
KEY_TRANSFER

Logical device(s) found: SAP = 1 is "535347313032303730303030303031"
(SSG1020700000001)

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