

Certification No. 2340

This is to certify that the metering equipment identified as:

**Type: SSM-60 Active firmware(s): Id=0100 V=SSM-00 S=B27D2B4A
Id=0100-00 V=SSM-00 S=390A31E2
Id=0300-01 V=HT6027-01 S=80758D58
Mgmt. SAP = 1 is "53534D313030303030303030303031" (SSM1000000000001)
Manufactured by: Sneda Smart Meter Limited**

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20190418_DST_Shenzhen (2019-04-18)
- 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 KEY_TRANSFER	09-MAY-2020 19:20:47	203C4C3045BA704DF0F675E 2BCFB6FD303E0AA5390265 0B33D322600A810B31B

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 14th May 2020



Sergio Lazzarotto
Executive Director and President



Győző Kmethy
President Emeritus



Viktória Varjú
Certification Engineer

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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 = "\Snedra Smart Meter Limited"  
  FLAGid = "\SSM"  
  Type = "\SSM-60"  
  ConfigurationId = "\ConfigurationId"  
  SerialNr = "\000000000001"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	55	0	17	0	38	0
COSEM	2797	0	1	7	2789	0
SYMSEC	33	0	9	0	24	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, MULTIPLE_REFERENCES
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "53534D31303030303030303030303031"
(SSM1000000000001)

Active firmware(s): Id=0100 V=SSM-00 S=B27D2B4A
Id=0100-00 V=SSM-00 S=390A31E2
Id=0300-01 V=HT6027-01 S=80758D58

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20, 21
22, 23(1), 28(2), 29(2), 41, 42, 44, 45, 63, 64, 70
111, 112, 113, 115

COSEM classes found but not tested: (none)