dlms

device ™
language
message
specification

DLMS User Association

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CH-6302 Zug
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Certification No. 2266

This is to certify that the metering equipment identified as:

Type: ST12-IC01   Active firmware(s): Id=STCT010000V01.00 V=ST12D001 ,S=65535
Mgmt. SAP = 1 is "535443313038383030303030303030303432" (STC1088000000042)
Manufactured by: Sunrise_China

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

• CTT version: CTT 3.1 extended edition, 64bits, release 107
• Licensed to: 20181108_HANGZHOU_SUNRISE_TECHNOLOGY_Hangzhou_City_China (2018-11-08)
• 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	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_WITH_CIPHERING	GENERAL_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	13-JAN-2020 16:16:19	A3922254655A37961D4E83 71AA295CD1B13DF129877 7B3885C6A4189D61F99EB

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 13th January 2020

Sergio Lazzarotto   *Győző Kmethy*   *Viktória Varjú Timárné*
Executive Director and President   *President Emeritus*   *Certification Engineer*

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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 = "\Sunrise_China"
  FLAGid = "\STC"
  Type = "\ST12-IC01"
  ConfigurationId = "\000001"
  SerialNr = "088000000042"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         4              0              32       0
APPL    61      0         17             0              44       0
COSEM   2808    0         6              110            2692     0
SYMSEC  42      0         8              0              34       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
                                  SELECTIVE_ACCESS
                                  SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:                GENERAL_GLO_CIPHERING,SUITE_0
                                  SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:         (not collected)

Logical device(s) found:
                                  SAP   =   1   is   "53544331303838303030303030303432"
(STC1088000000042)

Active firmware(s):               Id=STCT010000V01.00 V=ST12D001 ,S=65535

COSEM classes tested:             1,3,4,5,6,7(1),8,9,11,15(1),17,18,19(1),20
                                  21,22,23(1),28(2),29(2),40,41,45,64(1),70
                                  71

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

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