DLMS User Association

device
language
message
specification
™

Bahnhofstrasse 7b
CH-6210 Sursee
Switzerland   certification@dlms.com

Certification No. 2524	Applicant: Goldcard Smart Group Co. Ltd. Issued to: Goldcard Smart Group Co. Ltd.

On the request of the applicant the DLMS UA certifies hereby that the product identified below has successfully passed the DLMS/COSEM Conformance tests under the following conditions:

Product	**Type**	UND212
	Active firmware ID	Id=GCE12D-MV20.Ba.0000.V1.10.01 S=0DE4
	Management LDN (SAP = 1)	" 47434531303430313536313233343536" (GCE1040156123456)
	Manufacturer	Goldcard Smart Group Co. Ltd.
Test tool	**CTT version**	CTT 3.1 extended edition, 64bits, release 108
	Licensed to	GCG_Goldcard_Smart_Group (2020/11/17)
	COSEM object definitions	Object_defs_v3.6_Released_20200825.dat
	Media Identifiers	Abstract, Electricity

Test	Communication profile	Application contexts	Security features	Date and time	Test Result hash value
1	DIRECT_HDLC	LONG_NAMES, LONG_NAMES_WITH_CIPHERING	SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	11-MAR-2021 18:02:15	0C46A408DA38FEAD370537 C869010409BEC6C31603DA 32FF43ED3189DE8A92EA

The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

The authenticity and correctness of the test report(s) submitted have been verified by the DLMS UA. With this, the applicant / manufacturer is entitled to claim that its product is compliant to the DLMS/COSEM specification and is entitled to display the DLMS/COSEM Compliant mark on the product and in its product literature. The product identified above is listed at:
https://www.dlms.com.

COSEM Compliant

This Certification is valid for the functions successfully tested and summarized below. The tests have been executed on one specimen of the product, as identified by the Management LDN reported. Results may not be applicable for other test specimens.

Date: Sursee, the 30th March 2021

Sergio Lazzarotto
Executive Director and President

Viktória Varju
Certification Engineer

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 = {
  Applicant = "\Goldcard Smart Group Co. Ltd."
  Manufacturer = "\Goldcard Smart Group Co. Ltd."
  FLAGid = "\GCE"
  Type = "\UND212"
  IUTIsModule = FALSE
  SerialNr = "\123456123456"
  Comment = "\Authentication+Encryption"
}

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

TYPE    TOTAL   SKIPPED  INAPPLICABLE  INCONCLUSIVE  PASSED   FAILED
----    -----   -------  ------------  ------------  ------   ------
HDLC    36      0        1             0             35       0
APPL    69      0        19            0             50       0
SecMsg  14      0        8             0             6        0
COSEM   2422    0        15            71            2336     0
SymKey  21      0        8             0             13       0
DP      0       0        0             0             0        0
GBT             All (No association with the required properties)
PubCert         All (No ciphered association with the required properties)
SecPol  5       0        2             0             3        0

Communication profile:          HDLC

Application context names:      LONG_NAMES,LONG_NAMES_WITH_CIPHERING

Authentication mechanisms:      NO_SECURITY,LOW_LEVEL_SECURITY
                                HIGH_LEVEL_SECURITY_GMAC

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

Security features:              SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:       (not collected)

Logical device(s) found:
                                SAP = 1 is "4743453130343031353631323333343536" (GCE1040156123456)

Active firmware(s):             Id=GCE12D-MV20.Ba.0000.V1.10.01 S=0DE4

COSEM classes tested:           1,3,5,6,7(1),8,9,11,15(1),17,18,20,21,22
                                23(1),27(1),28(2),29(2),40,41,42,44,45,64
                                70,71

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

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