

<b>Certification No. 2527</b>	<b>Applicant: Goldcard Smart Group Co. Ltd.</b> <b>Issued to: Goldcard Smart Group Co. Ltd.</b>
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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:

<b>Product</b>	<b>Type</b>	UNP234			
	<b>Active firmware ID</b>	Id=GCE34A-MV20.Ba.0000.V3.10.01 S=2AF7			
	<b>Management LDN (SAP = 1)</b>	" 47434531303530313536313233343536" (GCE1050156123456)			
	<b>Manufacturer</b>	Goldcard Smart Group Co. Ltd.			
<b>Test tool</b>	<b>CTT version</b>	CTT 3.1 extended edition, 64bits, release 108			
	<b>Licensed to</b>	GCG_Goldcard_Smart_Group (2020/11/17)			
	<b>COSEM object definitions</b>	Object_defs_v3.6_Released_20200825.dat			
	<b>Media Identifiers</b>	Abstract, Electricity			
<b>Test</b>	<b>Communication profile</b>	<b>Application contexts</b>	<b>Security features</b>	<b>Date and time</b>	<b>Test Result hash value</b>
1	DIRECT_HDLC	LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	11-MAR-2021 11:00:17	F5EE8F2D24C61BF9206E2C1 813F73EEF15953401069234 2E031DE44F106313F2
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>.



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 30<sup>th</sup> March 2021



Sergio Lazzarotto  
Executive Director and President



Viktória Varju  
Certification Engineer

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 = "\UNP234"
  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	2714	0	15	71	2628	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 "47434531303530313536313233343536" (GCE1050156123456)

Active firmware(s):           Id=GCE34A-MV20.Ba.0000.V3.10.01 S=2AF7

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)
```