Certification No. 2254

This is to certify that the metering equipment identified as:

Type: Riva Centron
Mgmt. SAP = 1 is "4954453130323030303030373137303236" (ITE1020000717026)
Manufactured by: ITRON

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

- CTT version: CTT 3.0 standard edition, 64bits (108)
- Licensed to: 20160322_ITRON (3/22/2016)
- 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	TCP	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	SERVICE_SPECIFIC_DED_ CIPHERING SERVICE_SPECIFIC_GLO_ CIPHERING	07-JAN-2020 15:19:19	513BAF77CEA5560AD5F05C2 57B480B10CD8F3E72598F9B7 E7F914D323D973DC6

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.
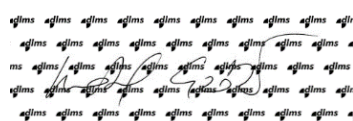
COSEM Compliant

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.
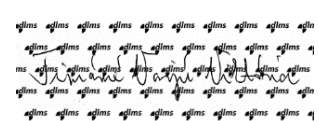
Date: Zug, the 30th December 2019

Sergio Lazzarotto
Executive Director and President

Győző Kmethy
President Emeritus

Viktória Varjú Timárné
Certification Engineer

Certification No. 2254

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 = "\ITRON"
  FLAGid = "\ITE"
  Type = "\Riva Centron"
  IUTIsModule = FALSE
  SerialNr = "\328762402"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(Communication profile not HDLC)
APPL    49      0         10             0              39       0
COSEM   1215    0         11             30             1174     0
SYMSEC  55      0         16             0              39       0

Communication profile:          TCP

Application context names:      LONG_NAMES,LONG_NAMES_WITH_CIPHERING

Security mechanisms:            NO_SECURITY,HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features:        GET,MULTIPLE_REFERENCES,RLRQ_RLRE
                                SELECTIVE_ACCESS

Security features:              SERVICE_SPECIFIC_DED_CIPHERING
                                SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found:
                                SAP   =   1   is   "4954453130323030303037313730323236"
(ITE1020000717026)

COSEM classes tested:           1,3,4,5,7(1),8,9,11,15(1),18,20,22,23(1),40
                                64,70

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