

## Certification No. 2058

This is to certify that the metering equipment identified as:

**Type: OTUS1**

**Mgmt. SAP = 1 is "4150414F545553313132333435363738" (APAOTUS112345678)**

**Manufactured by: APATOR SA**

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

- CTT version: CTT 3.0 standard edition, 64bits (109)
- Licensed to: Apator S. A., Poland (2014-09-12)
- 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_	SERVICE_SPE CIFIC_GLO_ CIPHERING	21-DEC-2018 06:28:22	2695897375A80AB31D7BBB37B03E7B4F2 241604E2113C6011810D2335F54BB1B
Test 2	TCP	CIPHERING		19-DEC-2018 07:52:40	7B6CA5E3EEA4506FCE2418342F56BC17 B6B8B1C2AE4DCD8F1524B2208B778B29

This OTUS1 meter device type has already been certified as Certification no. 2047 in 6th December 2018 tested with HDLC.

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](http://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 7<sup>th</sup> January 2019



Győző Kmethy  
President

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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 = "\APATOR SA"
  FLAGid = "\APA"
  Type = "\OTUS1"
  IUTIsModule = FALSE
  SerialNr = "\12345678"
  Comment = "\Communication Profile: HDLC"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	83	0	15	0	68	0
COSEM	3025	0	2	18	3005	0
SYMSEC	64	0	28	0	36	0

Communication profile: HDLC

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Security mechanisms: NO\_SECURITY, HIGH\_LEVEL\_SECURITY\_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE\_REFERENCES, RLRQ\_RLRE  
SELECTIVE\_ACCESS  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: SERVICE\_SPECIFIC\_GLO\_CIPHERING

Logical device(s) found: SAP = 1 is "4150414F545553313132333435363738"  
(APAOOTUS112345678)

COSEM classes tested: 1, 3, 4, 5, 7 (1), 8, 9, 11, 15 (2), 17, 18, 20, 22, 23 (1)  
29 (1), 40, 43, 45, 47, 64, 70, 71, 80, 81, 82, 83, 84  
85, 86

COSEM classes found but not tested: (none)

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## Summary of features tested for Test 2

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 = "\APATOR SA"  
  FLAGid = "\APA"  
  Type = "\OTUS1"  
  IUTIsModule = FALSE  
  SerialNr = "\12345678"  
  Comment = "\Communication Profile: TCP"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All(Communication profile not HDLC)				
APPL	83	0	15	0	68	0
COSEM	3025	0	2	18	3005	0
SYMSEC	64	0	28	0	36	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: ACTION, GET, MULTIPLE\_REFERENCES, RLRQ\_RLRE  
SELECTIVE\_ACCESS  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: SERVICE\_SPECIFIC\_GLO\_CIPHERING

Logical device(s) found: SAP = 1 is "4150414F545553313132333435363738"  
(APAOTUS112345678)

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(2), 17, 18, 20, 22, 23(1)  
29(1), 40, 43, 45, 47, 64, 70, 71, 80, 81, 82, 83, 84  
85, 86

COSEM classes found but not tested: (none)