

CENTRAL POWER RESEARCH INSTITUTE

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BANGALORE 560 080. I N D I A



UCA IEC 61850 Certificate Level A¹

International
Users Group



No.: CPRIBLRSGRL23TC0006

Issued to:

M/s. Secure Meters Limited,
Udaipur,
Rajasthan – 313003 INDIA

For the server product:

APEX 150
Type.: P3E
Serial No.: RND22322
Hardware Version: 003
Software Version: 0.16

Issued by: CENTRAL POWER RESEARCH INSTITUTE, India

**The server product has not been shown to be non-conforming to:
IEC 61850 Edition 2 Parts 6, 7-1, 7-2, 7-3, 7-4 and 8-1
Communication networks and systems for power utility automation**

The conformance test has been performed according to IEC 61850-10 Edition 2, the UCA International Users Group Edition 2 Server Test Procedures version 2.0.6 with product's protocol, model and technical issue implementation conformance statements: "PICS Version 1.10; dated: 16 May 2023", "MICS Version 1.10; dated: 23 May 2023", "TICS Version 1.05; dated: 16 May 2023" and product's extrainformation for testing: "PIXIT Version 1.12; dated: 23 May 2023".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

| | |
|--------------------------|--------------------------------|
| 1 Basic Exchange (22/26) | 5 Unbuffered Reporting (16/23) |
| 2 Data Sets (4/7) | 13 Time Synchronization (3/7) |

This Certificate includes a summary of the test results as carried out at Central Power Research Institute (CPRI), Bangalore in India with Client Simulator UniGrid SA Simulator version 2.2.0 with test suit version Ed2_Server_TP2.0.5_Amd1TP1.1_v2.2.0 and UniCA 61850 analyzer version 6.41.00.0. This document has been issued for information purposes only, and the original paper copy of the CPRI report No.: CPRIBLRSGRL23T0006; dated: 30 May, 2023 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to CPRI by M/s. Secure Meters Limited, Udaipur, Rajasthan – 313003, INDIA. The manufacturer's production process has not been assessed. This certificate does not imply that CPRI has certified or approved any product other than the specimen tested.

Bangalore; 30 May, 2023

(Dr. Amit Jain)
Joint Director



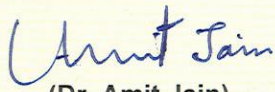
(Pradish M)
Test Engineer


¹ Level A – Independent Test lab with certified ISO/IEC 17025 Quality System.
UCA International Users Group, P.O. Box 315, Shell Knob, MO 65747, USA

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Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test Procedures version 2.0.6

| Conformance Block | Mandatory | Conditional |
|-------------------------|--|---|
| 1: Basic Exchange | sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv8, sSrvN1abcd, sSrvN4 | sAssN6, sSrv6, sSrv9, sSrv10, sSrvN1e, sSrvN3 |
| 2: Data Sets | sDs1, sDs10a, sDsN1ae | sDs15 |
| 5: Unbuffered Reporting | sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRpN1, sRpN2, sRpN3, sRpN4, sRpN8 | sRp10, sRp15, sRpN5 |
| 13 Time sync | sTm1, sTm2, sTmN1 | |


(Dr. Amit Jain)
Joint Director


(Pradish M)
Test Engineer