



CENTRAL POWER RESEARCH INSTITUTE

Prof. Sir C V Raman Road, PO Box 8066, Sadashivanagar PO,
BENGALURU - 560 080. INDIA



UCA IEC 61850 Certificate Level A¹

International
Users Group



No.: CPRI BLRSGRL26TC0008

Issued to:

M/s. Ashida Electronics Pvt. Ltd.
Plot No. A 308, Road No.21, MIDC,
Wagale Industries Estate, Thane (W),
Mumbai - 400604, INDIA

For the server product:

ADR245B - Feeder Protection Relay
Model No.: ADR245BE002031021R
Serial No.: 25L245B0661
Hardware Version: 2.03
Firmware Version: 2.3.0

Issued by: CENTRAL POWER RESEARCH INSTITUTE, India

The server product has not been shown to be non-conforming to:

IEC 61850 Edition 2 with Amendment 1 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, name space definition 7-4:2007B5, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.3 ("UCATestProcedureServer61850-8-1Ed2Amd1_Rev1p3.pdf") with product's protocol, model and tissues implementation conformance statements: "PICS Version 0.0.1; dated: 06 June 2026", "MICS Version 0.0.1; dated: 06 June 2026", "TICS Version 0.0.1; dated: 06 June 2026" and product's extra information for testing: "PIXIT Version 0.0.1; dated: 06 June 2026".

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

1a Basic Exchange (22/31)	12a Direct control (5/19)
2 Data Sets (4/7)	12b SBO control (12/29)
2+ Data Set Definition (24/24)	12c Enhanced Direct Control (7/21)
5 Unbuffered Reporting (24/26)	12d Enhanced SBO control (12/29)
6 Buffered Reporting (34/36)	13a Time sync SNTP (4/8)
9a GOOSE publish (11/14)	14 File transfer (5/8)
9b GOOSE subscribe (27/29)	

This Certificate includes a summary of the test results as carried out at Central Power Research Institute (CPRI), Bengaluru in India with Client Simulator UniGrid SA Simulator version 4.2.0 with test suite version Ed2_Server_Ed2TP2.0.6_Ed2.1TP1.4_v4.2.0 and UniCA 61850 analyzer version 6.45.3.0. This document has been issued for information purposes only, and the original paper copy of the CPRI report No.: CPRI BLRSGRL26T0008; dated: 06 July, 2026 will prevail.

The test has been carried out on the specimen of the product as referred above and submitted to CPRI by M/s. Ashida Electronics Pvt. Ltd., Plot No. A 308, Road No.21, MIDC, Wagale Industries Estate, Thane (W), Mumbai - 400604, 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.

Bengaluru; 06 July, 2026

(Shivakumar V)
Joint Director



(Shivendra Kumar Sinha)
Test Engineer

¹ Level A – Independent Test lab with certified ISO/IEC 17025 Quality System.
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Applicable Server Test Procedures from the UCA International Users Group Edition 2 Amendment 1 Server Test Procedures version 1.3

Conformance Block	Mandatory	Conditional
1a: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv6, sSrv8, sSrvN1abcdnf, sSrvN4	sAssN6, sSrv9, sSrv10, sSrv15, sSrv16
2: Data Sets	sDs1, sDs10a, sDsN1ae	sDs15
2+: Data Set Definition	sDs2, sDs3, sDs4, sDs5, sDs6, sDs7, sDs8, sDs9, sDs13, sDs14, sDsN1cd, sDsN2, sDsN3, sDsN4, sDsN5, sDsN6, sDsN7, sDsN8, sDsN9, sDsN10	sDs11, sDs12, sDsN11, sDsN12
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRp23, sRpN1, sRpN2, sRpN3, sRpN4, sRpN5, sRpN7, sRpN8, sRpN9	sRp6, sRp7, sRp8, sRp10, sRp11, sRp12, sRp15
6: Buffered Reporting	sBr1, sBr2, sBr3, sBr4, sBr5, sBr9, sBr14, sBr16, sBr20, sBr21, sBr22, sBr23, sBr24, sBr25, sBr26, sBr27, sBr28, sBr29, sBrN1, sBrN2, sBrN3, sBrN4, sBrN5, sBrN7, sBrN8, sBrN9, sBrN10	sBr6, sBr7, sBr8, sBr10, sBr11, sBr12, sBr15
9a: GOOSE publish	sGop2a, sGop3, sGop4, sGop9, sGop10, sGop11, sGop12, sGop13	sGop1, sGop6, sGopN1
9b: GOOSE subscribe	sGos1, sGos2, sGos3, sGos5, sGos6a, sGos7, sGos8, sGos9, sGos10, sGos11, sGos12, sGos14, sGos15, sGos16, sGos17, sGos20, sGos21, sGos22, sGos23, sGosN1, sGosN2, sGosN3, sGosN4, sGosN5, sGosN6, sGosN7	sGos13
12a: Direct control	sCtl5, sCtl10, sDOns1, sDOns2	sCtl13
12b: SBO control	sCtl4, sCtl5, sCtl8, sCtl9, sCtl10, sCtl11, sCtl25, sSBOns1, sSBOns2, sSBOns6, sSBOns8	sCtl27
12c: Enhanced Direct Control	sCtl5, sCtl10, sDOes1, sDOes2	sCtl13, sCtl14, sCtl26
12d: Enhanced SBO control	sCtl4, sCtl5, sCtl8, sCtl9, sCtl10, sCtl11, sCtl25, sSBOes1, sSBOes2, sSBOes6, sSBOes8	sCtl26
13a: Time sync SNTP	sTm1, sTm2, sTm7, sTmN1	-
14: File transfer	sFt1, sFt2ab, sFt4, sFt5, sFtN1ab	-

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