

CENTRAL POWER RESEARCH INSTITUTE

Prof. Sir CV Raman Road, PO Box 8066, Sadashivanagar PO,
BANGALORE – 560 080. I N D I A



IEC 61850 Certificate ^{Level A}



No. UARC/PL/C0080/2011

Issued to:

M/s. ASHIDA Electronics Pvt Ltd.,
Plot No.A-308, Road No.21,
Wagle Industrial Estate, Thane,
Mumbai - 400064

For the product:

Over Current Relay- ADR241B
Hardware Version: 1.0
Software Version: 5.0
Serial No.: 11F241BV2001

India

Issued by: CENTRAL POWER RESEARCH INSTITUTE, India

**The product has not shown to be non-conforming to:
IEC 61850-6, 7-1, 7-2, 7-3, 7-4 and 8-1
Communication networks and systems in substations**

The conformance test has been performed according to IEC 61850-10 with product's protocol, model and technical issue implementation conformance statements: "PICS version 5.0", "MICS version 5.00", "TICS version 5.0" and products extra information for testing: "PIXIT for testing for ASHIDA Electronics Pvt Ltd., range of Protection IEDs version 5.0".


The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases/total number of applicable test cases as defined in the UCA International Users Group Device Test procedures):

1 Basic Exchange (15/24)	9a GOOSE Publish(9/11)
2 Data Sets (4/6)	9b GOOSE Subscribe(9/10)
5 UnBuffered Reports (12/18)	12a Direct Control (5/12)
6 Buffered Reports(14/20)	13 Time synchronization(3/5)


This Certificate includes a summary of the test results as carried out at CPRI, Bangalore, India with UniCASim 61850 version 3.21.00 test system running test suit "61850 Conformance Test version 3.20.00", and UniCASim 61850 analyzer version 4.20.01. The test is based on the UCA International Users Group Device Test Procedures version 2.2b. This document has been issued for information purposes only and the original paper copy of the CPRI Report No.: UARC/PL/T0080/2011; Dated: 12-12-2011 will prevail.

The tests have been carried out on one single specimen of the products as referred above and submitted to CPRI by M/s. ASHIDA Electronics Pvt Ltd., Mumbai, 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, 12-12-2011


(Pradish M)
Test Engineer




(V. Arunachalam)
Additional Director

Report Reference No: UARC/PL/T0080/2011; Dated: 12-12-2011

Applicable Test Cases:

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5, Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv8
2: Data Set	Dset1, Dset10a, DsetN1ae	DsetN1b
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, RpN1, RpN2, RpN3, RpN4	RpN5, Rp8
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, BrN1, BrN2, BrN3, BrN4, BrN5	Br10
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	Gop1, Gop8, GopN1, Gop9, Gop6
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	---
12a: Direct control	CtlN3, CtlN8 DOns1, DOns3	Ctl2
13: Time synchronization	Tm1, Tm2, TmN1	---



(Pradish M)
Test Engineer



(V. Arunachalam)
Additional Director

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