

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/C0030/2012

Issued to:

M/s. Easun Reyrolle Ltd.(ERL) ,
No.98, SIPCOT Industrial Complex
Hosur, PIN- 635126
India

For the product:

Power System Recorder – TESLA
Type: TESLA 4000
Hardware Version: V1.0
Software Version: V1.3
Serial No.: TESLA 4000-111214-06

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 V1.3", "MICS version V1.3", "TICS version V1.3" and products extra information for testing: "PIXIT for testing Easun Reyrolle Ltd.(ERL), version V1.3".

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 (18/24)	9a GOOSE Publish(7/11)
2 Data Sets (3/6)	9b GOOSE Subscribe(9/10)
6 Buffered Reporting(15/20)	14 File Transfer (6/7)

This Certificate includes a summary of the test results as carried out at CPRI, Bangalore, India with UniCASim 61850 version 3.23.02 test system running test suit "61850 Conformance Test v3.23.00", and UniCASim 61850 analyzer version 4.24.02. 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/T0030/2012; Dated: 07-12-2012 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. Easun Reyrolle Ltd.(ERL), 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, 07-12-2012

(Pradish M)
Test Engineer

(V. Arunachalam)
Additional Director




Report Reference No: UARC/PL/T0030/2012; Dated: 07-12-2012

Applicable Test Cases:

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5, Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv8, SrvN2, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	--
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10
9a: GOOSE Publish	Gop2, Gop3, Gop4, Gop7	Gop1, Gop6, GopN1
9b: GOOSE Subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	--
14: File Transfer	Ft1, Ft2ab, Ft4, FtN1ab	Ft2c, FtN1cd



(Pradish M)
Test Engineer



(V. Arunachalam)
Additional Director

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