



IEC 61850 Certificate Level B¹



No. Schneider_VAL_M87-ACE850_V2.0

Issued to:
Schneider Electric
Cities Business – Energy Division
Usine M4, 38050 Grenoble Cedex France

For the product:
Schneider Sepam M87 version 8.01
with ACE850 version 2.0

Issued by:
Schneider Electric
IEC61850 Laboratory - China

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 TISSUE implementation conformance statements: “Sepam IEC61850 communication for Sepam series 20/40/60/80 User’s manual 01/2013” (Ref. SEPED306024EN) and product’s extra information for testing: “Sepam IEC61850 conformance statements (Edition 1.0) for Sepam series 20/40/60/80 01/2013” (Ref. SEPED306024EN).

The following IEC 61850 conformance blocks are tested with a positive result (number of relevant and executed test cases / total number of test cases as defined in the UCA International Users Group Device Test Procedures Version 2.3 with TPCL² version 1.5):

1	Basic Exchange (18/24)	9b	GOOSE Subscribe (9/11)
2	Data Sets (3/6)	12a	Direct Control (5/12)
4	Setting Group Selection (2/3)	12d	Enhanced SBO Control (10/19)
5	Unbuffered Reports (14/19)	13	Time Synchronization (4/5)
6	Buffered Reports (17/21)	14	File Transfer (4/7)
9a	GOOSE Publish (10/13)		

Schneider Electric grants this Certificate on account of tests performed at the Schneider Electric Cities Business – Energy Division CTC’s Validation Laboratories in Shanghai China, on 30/05/2013, with UniCASim 61850 ver 3.25.02 simulating an IEC 61850 client and the UniCA Analyzer ver 4.21.03. The tests are based on the UCA International Users Group Device Test Procedure Version 2.3 with TPCL version 1.5. This certificate has been issued for information purposes only and the original copy of the Schneider report: No. Schneider_VAL_M87-ACE850_V2.0_RPT_01, on 30/05/2013 will prevail.

The tests have been carried out on one single specimen of the above-mentioned products, submitted by *Schneider Electric*. The certificate does not include an assessment of the manufacturer’s production process. Conformity of his production process or any other product than the specimen tested by CTC Validation Laboratories is not the responsibility of Schneider Electric Infrastructure Business CTC Validation Laboratories.

Baohua WANG
CTC Validation Manager

Shanghai, 2013-05-30
Lin ZHANG
Test Engineer

¹ Level B – Tester with ISO 9001 Quality System

² TPCL – Test Procedure Change List

Copyright © Schneider Electric Infrastructure Business China All right reserved. Please note that any electronic version of this Schneider Certificate is provided to Schneider’s customer for convenience purpose only. It is prohibited to update or change it in any manner whatsoever, including but not limited to dividing it into parts. In case of a conflict between the electronic version and the original version, the original paper version issued by Schneider will prevail



Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.3 with TPCL version 1.5

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	AssN6 Srv6, Srv8, SrvN1e, SrvN1f, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1a	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, Rp12, RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, Rp9
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14, BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10, Br11
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7, Gop10a	Gop1, Gop5, Gop6, Gop10b, GopN1, GopN2
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b
12a: Direct control	CtlN3, CtlN8, DOns1, DOns3	CtlN11
12d: Enhanced SBO control	Ctl3, CtlN1, CtlN2, CtlN3, CtlN4, CtlN9, SBOes1, SBOes2, SBOes3	CtlN11
13: Time sync	Tm1, Tm2, TmN1	Tm3
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	