



IEC 61850 Certificate Level A¹

No. 30720572-Consulting 08-1740

Issued to:
Siemens AG Österreich
Ruthnergasse 3
A-1210 Vienna
Austria

For the product:
BC1703 ACP
HW/FW-Revision CP-5000/CPC55:
BC5-000-A.02 / 14
HW/FW-Revision SM-2556/ET03:
BC2-556--.10 / 06.02



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: "ET03 server PICS", "BC 1703 ACP MICS", "BC 1703 ACP Pixit Chapter A.9" and product's extra information for testing: "BC 1703 ACP Pixit".

The following IEC 61850 conformance blocks have been 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 v1.1):

1 Basic Exchange (19/23)	9b GOOSE Subscribe (9/9)
2 Data Sets (2/5)	12a Direct Control (3/11)
4 Setting Group Selection (2/3)	12c Enhanced Direct Control (4/11)
5 Unbuffered Reporting (10/13)	12d Enhanced SBO Control (9/17)
9a GOOSE Publish (5/11)	13 Time Synchronization (3/4)

This Certificate includes a summary of the test results as carried out at Siemens AG in Austria with UniCASim 61850 version 3.17.01 with test suite 3.16.06 and UniCA 61850 analyzer 4.17.01. The test is based on the UCA International Users Group Device Test Procedures version 1.1. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30720572-Consulting-08-1739 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by Siemens AG Österreich. The manufacturer's production process has not been assessed. This Certificate does not imply that KEMA has certified or approved any product other than the specimen tested.

Arnhem, 2008-08-08

W. Strabbing
Manager Intelligent Networks and Communication

S.J.T. Mulder
Senior Test Engineer

1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System

Copyright © KEMA Nederland B.V., Arnhem, the Netherlands. All rights reserved. Please note that any electronic version of this KEMA certificate is provided to KEMA's customer for convenience purposes 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 KEMA will prevail.



International
Usersgroup

Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 1.1

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv7, Srv8, SrvN1e, SrvN3
2: Data Sets	Dset1, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7 RpN1, RpN2, RpN3, RpN4	Rp5
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	Gop1
9b: GOOSE subscribe	Gos1, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	
12a: Direct control	CltN3, CltN8, DOs1	
12c: Enhanced Direct Control	CltN3, CltN8, DOes2, DOes5	
12d: Enhanced SBO control	Clt3, CltN1, CltN2, CltN3, CltN4, CltN9 SBOes1, SBOes2, SBOes3	
13: Time sync	Tm1, Tm2, TmN1	