

No. 74108271-OPE/INC 15-2970

Issued to:

Honeywell International Sàrl
Z.A. La Pièce 16
1180 Rolle VD
Switzerland

For the client system:

Experion Process Knowledge System
Electrical Control System station controller
Software version: R430.4
PC Hardware version: Dell R710 with Windows
Server 2008 R2 Standard

The client system has not been shown to be non-conforming to:

IEC 61850 Edition 2 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 Edition 2, the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.0 with TPCL² 1.0 with product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 Client interface in Experion Process Knowledge System, revision A", "Model Implementation Conformance Statement for the IEC 61850 Client interface in Experion Process Knowledge System, Revision A" and "Technical Issue Conformance Statement for Testing for the IEC 61850 Client interface in Experion Process Knowledge System, revision A" and the extra information for testing: "Protocol Implementation Extra Information for Testing for the IEC 61850 Client interface in Experion Process Knowledge System, Revision A".

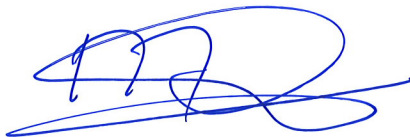
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases):

1 Basic Exchange (17/24)	12a Direct Control (7/9)
5 Unbuffered Reporting (18/23)	12b SBO Control (9/11)
6 Buffered Reporting (21/28)	12c Enhanced Direct Control (7/9)
	12d Enhanced SBO Control (9/11)
	13 Time Synchronization (2/4)
	14 File Transfer (8/8)
	15 Service Tracking (4/17)

This certificate includes a summary of the test results as carried out at Honeywell International in India with UniCA 61850 IED simulator 5.29.06 and UniCA 61850 Analyzer 5.29.02. This document has been issued for information purposes only, and the original paper copy of the DNV GL verification report No. 74108271-OPE/INC 15-2969 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by Honeywell International. The manufacturer's production process has not been assessed. This certificate does not imply that DNV GL has approved any product other than the specimen tested.

Arnhem, January 5, 2016

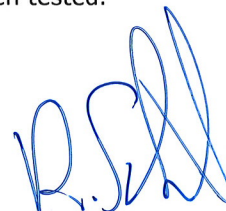


M. Adriaensen
Head of Department
Operational Excellence

Issued by:



DNV KEMA is now DNV GL



R. Schimmel
Verification Manager

¹ Level A - Independent test lab with certified ISO 9001 Quality System

² TPCL - Test procedures change list

Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.0 with TPCL 1.0

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cAssN7, cSrv5, cSrv6, cSrv7, cSrv9, cSrv10, cSrvN3, cSrvN4, cSrvN5, cSrvN6
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRpN2, cRpN5, cRpN6	cRp2, cRp6, cRp7, cRp16, cRp18
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr30, cBr31, cBrN2, cBrN5, cBrN6, cBrN20	cBr2, cBr6, cBr7, cBr16, cBr18
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	cCtl1, cCtl2, cCtl3
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	cCtl1, cCtl2, cCtl3, cSBOns4
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl1, cCtl2, cCtl3
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl1, cCtl2, cCtl3, cSBOes4
13: Time Synchronization	cTm1, cTmN1	
14: File Transfer	cFt1, cFt3, cFtN1	cFt2, cFt4, cFt5, cFtN2, cFtN3
15: Service Tracking		cTrk1, cTrk2, cTrk3, cTrk4