

No. 10174007-INC 20-2752

Issued to:

Accuenergy (Canada) Inc.
700-2 Lansing Square
Toronto
ON M2J 4P8
Canada

For the server product:

Acuvim IIW Power Meter with AXM-WEB2
communication and AXM-IO1-1 I/O module
High Performance Power and Energy Meter with
communication and I/O module
IEC61850 software version: v1.14

Module:	SW version:	HW version:	S/N:
IIW-D-5A-P1	v3.69	-	AH18091047
AXM-WEB2	v1.14	v1.03	AN20030476
AXM-IO1-1	-	-	AT419041643

The server product 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 Server Test Procedures version 2.0.3 with product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in AXB-WEB2, v1.14", "Model Implementation Conformance Statement for the IEC 61850 interface in AXB-WEB2, v1.14", and "TISSUEs Implementation Conformance Statement for the IEC 61850 interface in AXB-WEB2, v1.14" and the extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 Edition 2 server interface in AXM-WEB2, version 1.14".


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 (18/26)	13 Time Synchronization (3/7)
2 Data Sets (4/7)	
5 Unbuffered Reporting (20/23)	
6 Buffered Reporting (28/33)	

This certificate includes a summary of the test results as carried out at DNV GL in The Netherlands with UniGrid SA Simulator 1.7.0 with test suite 1.1.0 and UniCA 61850 Analyzer 5.34.02. This document has been issued for information purposes only, and the archived DNV GL verification report No. 10174007-INC 20-2751 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by Accuenergy. 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, July 31 2020



N.A. Heijker
Business Leader
Interoperability of Smart Power Systems

Issued by:



DNV KEMA is now DNV GL



R. Schimmel
Verification Manager

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

Copyright © DNV GL Netherlands B.V. Arnhem, the Netherlands. All rights reserved. It is prohibited to update or change this certificate in any manner whatsoever, including but not limited to dividing it into parts.

Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test Procedures version 2.0.3

Conformance Block	Mandatory	Conditional
1: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv8, sSrvN1abcd, sSrvN4	sAssN6, sSrv9
2: Data Sets	sDs1, sDs10a, sDsN1ae	sDs15
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRpN1, sRpN2, sRpN3, sRpN4, sRpN8	sRp8, sRp10, sRp11, sRp12, sRp15, sRp17, sRpN5
6: Buffered Reporting	sBr1, sBr2, sBr3, sBr4, sBr5, sBr9, sBr14, sBr16, sBr20, sBr21, sBr22, sBr25, sBr26, sBr27, sBr28, sBr29, sBrN1, sBrN2, sBrN3, sBrN4, sBrN5, sBrN8	sBr8, sBr10, sBr11, sBr12, sBr15, sBr17
13: Time sync	sTm1, sTm2, sTmN1	