

IEC 61850 Certificate Level A¹

Issued to:

AVEVA Solutions Ltd.
High Cross
Madingley Road
CB3 0HB Cambridge
United Kingdom

For the client system:

AVEVA Telemetry Server
Telemetry driver for AVEVA System Platform
IEC 61850 version: 6.84.8074.1
Hardware version: Dell Latitude 5400 with
Windows 10 64 bit

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 in substations

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 1.2 with client system's protocol, model and technical issue implementation conformance statements: "AVEVA™ PICS for the IEC 61850 Interface in AVEVA™ Telemetry Server", date February 18, 2022, "AVEVA™ MICS for the IEC 61850 Client Interface in AVEVA™ Telemetry Server", date February 18, 2022 and "AVEVA™ TICS for the IEC 61850 Client Interface in AVEVA™ Telemetry Server, date February 18, 2022" and product's extra information for testing: "AVEVA™ PIXIT for the IEC 61850 Client Interface in AVEVA™ Telemetry Server, date February 23, 2022".

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 (22/24)	12a Direct Control (7/9)
2 Data Sets (7/10)	12b SBO Control (8/11)
5 Unbuffered Reporting (21/24)	12c Enhanced Direct Control (7/9)
6 Buffered Reporting (23/28)	12d Enhanced SBO Control (8/11)
	14 File Transfer (3/8)
	15 Service Tracking (6/17)

This certificate includes a summary of the test results as carried out at DNV in The Netherlands with UniCA 61850 IED Simulator version 6.11.31 and UniCA 61850 Analyzer 6.40.01. This document has been issued for information purposes only, and the archived DNV verification report No. 10323567-INC 21-2593 rev 2 will prevail.

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

Arnhem, February 23, 2022



G. Akse

Business Development Manager
Interoperability of Smart Power Systems

Issued by:




R. Schimmel

Verification Manager

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

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Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cAssN7 cSrv1, cSrv2, cSrv3, cSrv4, cSrv5, cSrv6, cSrv7, cSrv9, cSrv10, cSrvN1, cSrvN3, cSrvN4, cSrvN5, cSrvN6
2: Data Sets		cDs1, cDs2, cDs5, cDs6, cDsN1a, cDsN1b, cDsN1c
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp1, cRp2, cRp6, cRp7, cRp16, cRp18, cRpN1
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr19, cBr30, cBr31, cBrN2, cBrN5, cBrN6	cBr1, cBr2, cBr6, cBr7, cBr16, cBr18, cBrN1
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	cCtl1, cCtl2, cCtl3
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	cCtl1, cCtl2, cCtl3
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl1, cCtl2, cCtl3
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl1, cCtl2, cCtl3
14: File transfer	cFt1, cFt3, cFtN1	
15: Service Tracking		cTrk1, cTrk2, cTrk4, cTrk7, cTrk8, cTrk9