

ATTESTATION OF CONFORMITY

No. 10306263-INC 21-3381

Issued to:

Elvexys SA
Route de Montena 65
1762 Rossens
Switzerland

For the client system:

Stream Bridge
Multi-protocol gateway
IEC 61850 version: 6.4.11
Hardware version: MOXA DA-820C
S/N: TAIGE1020738

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 in substations

The conformance test has been performed according to IEC 61850-10 Edition 2, the IEC International Users Group Edition 2 Client Conformance Test Procedures version 1.2 with client system's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in StreamBridge: Stream61850 Client side, version 1.02", "Model Implementation Conformance Statement for the IEC 61850 interface in StreamBridge: Stream61850 Client side, version 1.03" and "TISSUES Implementation Conformance Statement (TICS) for the IEC 61850 Edition 2 interface in StreamBridge: Stream61850 Client side, version 1.01" and product's extra information for testing: "Protocol Implementation eXtra Information for the IEC 61850 interface in StreamBridge: Stream61850 Client side, version 1.04".


The following IEC 61850 conformance blocks have been verified with a positive result:

<ul style="list-style-type: none"> 1 Basic Exchange 2 Data Sets 2+ Data Set Definition 3 Substitution 4 Setting Group Selection 5 Unbuffered Reporting 6 Buffered Reporting 	<ul style="list-style-type: none"> 12a Direct Control 12b SBO Control 12c Enhanced Direct Control 12d Enhanced SBO Control 13 Time Synchronization 14 File Transfer
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This attestation includes a summary of the test results as carried out at DNV in The Netherlands with UniCA 61850 IED Simulator version 6.1.31 and UniCA 61850 Analyzer 6.40.01. This attestation has been issued for information purposes only, and the archived DNV verification report No. 10306263-INC 21-3379 rev 2 will prevail.

The test has been carried out on one single specimen of the server product as referred above and submitted to DNV by Elvexys SA. The manufacturer's production process has not been assessed. This attestation does not imply that DNV has verified any server product other than the specimen tested.

Arnhem, December 10, 2021



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

Issued by:





R. Schimmel
Verification Manager

IMPORTANT: Remarks apply to this implementation. See the resulting report for full details. Publication of this document is allowed. Publication in total or in part and/or reproduction in whatsoever way of the contents of the above mentioned report(s) is not allowed unless permission has been explicitly given either in the report(s) or by previous letter.

Applicable Test Procedures from the UCA International Users Group Conformance 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, cSrv4, cSrv5, cSrv6, cSrv7, cSrv10, cSrvN1, cSrvN3, cSrvN4, cSrvN5, cSrvN6
2: Data Sets		cDs1, cDs2, cDs5, cDs6, cDsN1a, cDsN1b
2+: Data Set Definition		cDs10, cDs12, cDs13, cDsN10a, cDsN11
3: Substitution	cSub1, cSub3	cSub2
4: Setting Group Selection	cSg2, cSgN1	cSg1
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp1, cRp2, 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, cBr7, cBr16, cBr18, cBr32, cBr33, cBrN1
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	cCtl2
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	cCtl2, cSBOns4
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl2
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl2, cSBOes4
13: Time sync	cTm1, cTmN1	cTm2
14: File transfer	cFt1, cFt3, cFtN1	