

No. 10057361 INC 17-2566

**Issued to:**

Survalent Technology Corporation  
7965 Heritage Road  
Brampton, Ontario L6Y 5X5  
Canada

**For the client system:**

Survalent SCADA  
Software version: 17.3 1.17.0828.1  
Hardware version: Lenovo ThinkServer RD350  
OS: Microsoft Windows Server 2012 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 TPCL<sup>2</sup> 1.0\_rev3 with product's protocol, model and technical issue implementation conformance statements: "PICS for SADMS v1.17.0828.1, revision 1.3", "MICS for SADMS v1.17.0828.1, revision 1.1" and "TICS for SADMS v1.17.0828.1, revision 1.2" and the extra information for testing: "PIXIT for SADMS v1.17.0828.1, revision 1.4".

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 (19/24)	12a Direct Control (4/9)
2 Data Sets (6/10)	12b SBO Control (5/11)
2+ Data Set Definition (5/8)	12c Enhanced Direct Control (4/9)
5 Unbuffered Reporting (23/23)	12d Enhanced SBO Control (5/11)
6 Buffered Reporting (28/28)	

This certificate includes a summary of the test results as carried out at Survalent in Canada with UniCA 61850 IED simulator 6.1.23.7 and UniCA 61850 Analyzer 5.31.01. This document has been issued for information purposes only, and the original paper copy of the DNV GL verification report No. 10057361 INC 17-2265 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by Survalent. 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, September 6, 2017



**P. Cioci**  
Business Director  
Intelligent Networks and Communication

**Issued by:**



DNV KEMA is now DNV GL



**R. Schimmel**  
Verification Manager

<sup>1</sup> Level A - Independent test lab with certified ISO 9001 Quality System

<sup>2</sup> TPCL - Test procedures change list

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Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.0 with TPCL 1.0\_rev3

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cAssN7, cSrv1, cSrv2, cSrv3, cSrv4, cSrv5, cSrv7, cSrv10, cSrvN1, cSrvN3, cSrvN5, cSrvN6
2: Data Sets		cDs1, cDs2, cDs5, cDs6, cDsN1a, cDsN1b
2+: Data Set Definition		cDs11, cDs12, cDs14, cDsN10b, cDsN11
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRpN2, cRpN5, cRpN6	cRp1, cRp2, cRp6, cRp7, cRp12, cRp13b, cRp16, cRp17, cRp18, cRpN1
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr30, cBr31, cBrN2, cBrN5, cBrN6, cBrN20	cBr1, cBr2, cBr6, cBr7, cBr12, cBr13b, cBr16, cBr17, cBr18, cBr32, cBr33, cBrN1
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	