

No. 10127867-INC 19-2456

**Issued to:**

SCOPE T&M Pvt. Ltd.  
EL 31/11, J Block  
MIDC Bhosari  
Pune 411026  
India

**For the client system:**

SCOPE advanced Automation Management System  
IEC 61850 Client driver on Action.Net SCADA  
Software version: an-2016.2.95  
Hardware: Avell Titanium G1555 Iron v4 with  
Windows 10 Professional

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 1.1.1 with product's protocol, model and technical issue implementation conformance statements and the extra information for testing: "SCOPE advanced Automation Management System 2016.2.95 IEC 61850 Client driver on Action.Net SCADA Conformance statements, version 1.2 dated May 2019".


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 (18/24)	12a Direct Control (5/9)
2 Data Sets (8/10)	12b SBO Control (6/11)
5 Unbuffered Reporting (19/24)	12c Enhanced Direct Control (5/9)
6 Buffered Reporting (22/28)	12d Enhanced SBO Control (6/11)
	14 File Transfer (4/8)

This certificate includes a summary of the test results as carried out at DNV GL in The Netherlands with UniCA 61850 IED simulator 6.1.31 and UniCA 61850 Analyzer 5.34.01. This document has been issued for information purposes only, and the archived of the DNV GL verification report No. 10127867-INC 19-2455 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by SCOPE. 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, May 3, 2019



**E. Henriquez Suarez**  
Business Leader  
Interoperability of Smart Power Systems

**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

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Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.1.1

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cSrv4, cSrv5, cSrv6, cSrv7, cSrv8, cSrvN1, cSrvN2, cSrvN3, cSrvN4, cSrvN5, cSrvN6
2: Data Sets		cDs1, cDs2, cDs3, cDs5, cDs6, cDsN1a, cDsN1b, cDsN1c
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp2, cRp6, cRp7, cRp16, cRpN1
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr19, cBr30, cBr31, cBrN2, cBrN5, cBrN6	cBr2, cBr6, cBr7, cBr16, cBr33, cBrN1
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	cCtl2
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	cCtl2
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl2
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl2
14: File Transfer	cFt1, cFt3, cFtN1	cFt5