

No. 10249956-INC 20-2910

**Issued to:**

SCLE SFE  
25 chemin de Paléficat  
BP 30407  
31204 TOULOUSE Cedex 2  
France

**For the server product:**

Arkens PR FEEDER FR 42 TE  
Multipurpose digital protection relay  
ARM Firmware: v3.2a rev343861  
DSP Firmware: v3.3a rev343760  
FPGA Firmware: v2.2a rev277895  
Graph. Config. Firmware: v1.1a rev343776  
Hardware: v1.2.0

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\_rev4 with product's protocol, model and technical issue implementation conformance statements: "DC07\_PHT\_Annex 01\_1.2", "DC07\_PHT\_Annex 02\_1.2" and "DC07\_PHT\_Annex 03\_1.2" and the extra information for testing: "DC07\_PHT\_Annex 04\_1.2".

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 (26/28)	12a Direct Control (6/17)
2 Data Sets (4/7)	13 Time Synchronization (4/7)
5 Unbuffered Reporting (21/22)	
6 Buffered Reporting (29/32)	

This attestation includes a summary of the test results as carried out at DNV GL in The Netherlands with UniGrid SA Simulator 1.7.1 with test suite 20200922.1 and UniCA 61850 Analyzer 6.40.01. This attestation has been issued for information purposes only, and the archived DNV GL verification report No.10249956-INC 20-2909 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by SCLE SFE. 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, December 4, 2020



**N.A. Heijker**  
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 Server Test Procedures version 2.0\_rev4

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
1: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrvN1abcd, sSrvN4	sAssN6, sSrv6, sSrv8, sSrv9, sSrv10, sSrv11, sSrv12, sSrv13, sSrvN1e, sSrvN1f, sSrvN3
2: Data Sets	sDs1, sDs10a, sDsN1ae	sDs15
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRpN1, sRpN2, sRpN3, sRpN4, sRpN8	sRp6, sRp7, sRp8, sRp10, sRp11, sRp12, sRp15, 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	sBr6, sBr7, sBr8, sBr10, sBr11, sBr12, sBr15
12a: Direct control	sCtl5, sCtl10, sDOns1, sDOns2	sCtl16, sCtl17
13: Time sync	sTm1, sTm2, sTmN1	sTmN2