IEC 61850 Certificate Level A[1]

No. 10032023-OPE/INC 17-2025

Issued to:

ENERDIS
16 rue Georges Besse, Silic 44
92160 Antony
France

For the server product:

ELINK Modbus/61850 Gateway with four Triad2 meters
ELINK software version: Release 5 build 314
ELINK S/N: 118497PCH
Triad2 software version 1.17
Triad2 S/N: 175834PLH, 175835PLH, 175836PLH and 175837PLH

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 1.0 with TPCL[2] 1.2 with product's protocol, model and technical issue implementation conformance statements and the extra information for testing: "Technical Document ELINK IEC61850 Gateway, number 602433, Edition 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 (16/26)	13	Time Synchronization (4/7)

This certificate includes a summary of the test results as carried out at DNV GL in The Netherlands with UniCA 61850 Client Simulator 4.31.02 with test suite Ed2 3.32.03 and UniCA 61850 Analyzer 5.31.00. This document has been issued for information purposes only, and the original paper copy of the DNV GL verification report No. 10032023-OPE/INC 17-2024 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by ENERDIS. 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, March 23, 2017

P. Cioci
Global Service Line Leader
Operational Excellence of Power Systems

Issued by:

DNV·GL

DNV KEMA is now DNV GL

R. Schimmel
Verification Manager

[1] Level A - Independent test lab with certified ISO 9001 Quality System
[2] TPCL - Test procedures change list

Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test Procedures version 1.0 with TPCL 1.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	sAss1, sAss2, sAss3, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrvN1abcd, sSrvN4	sSrv8, sSrvN1f
13: Time sync	sTm1, sTm2, sTmN1	sTmN2