

IEC 61850 Certificate Level A¹

No. C4001045

Issued to:

Doble Engineering Company
123 Felton Street
Marlborough MA 01752
USA

For the server product:

DRTS 66L Testing Relay
Hardware version V1.0D
Firmware Version 2.03
GOOSE Communication v.3.08 Build 3.0.6.19
S/N TECW01DRTS66L

Issued by: CESI S.p.A. – KEMA Labs

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 2.0.6 with product's protocol, model and technical issue implementation conformance statements: "PICS, MICS, TICS Rev.2 (23/11/2023) and product's extra information for testing: PIXIT Rev.3.2 (12/01/2024) for the IEC 61850 interface in Doble instruments of DRTS 66L, 64L, 34L, 33L GOOSE Publisher/Subscriber".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

9a GOOSE Publish (9/13)	13 Time Synchronization (3/7)
9b GOOSE Subscribe (19/21)	

This certificate includes a summary of the test results as carried out at Milano in Italy with SimFlex Client Simulator Edition 2 v.3.20 with test suite version Ed.2 3.18.20231010 and Wireshark v.4.0.10. This document has been issued for information purposes only, and the original paper copy of the CESI S.p.A. - KEMA Labs report: No. **C4001043** will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to CESI S.p.A. - KEMA Labs by Doble Engineering Company. The manufacturer's production process has not been assessed. This certificate does not imply that CESI S.p.A. - KEMA Labs has certified or approved any product other than the specimen tested.

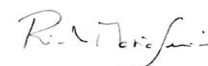
Milano, 30.01.2024



Alessandro Bertani

Services & Smart Technologies Director

Issued by



Riccardo Maria Seresini

DGL - Senior Engineer

Level A - Independent Test lab with certified ISO 9001 Quality System
UCA International Users Group, P.O. Box 315, Shell Knob, MO 65747, USA

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Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test
Procedures version 2.0.6

Conformance Block	Mandatory	Conditional
9a: GOOSE publish	sGop2a, sGop3, sGop4, sGop9, sGop10, sGop11, sGop12	sGop5, sGopN2
9b: GOOSE subscribe	sGos1, sGos2, sGos3, sGos5, sGos6a, sGos7, sGos8, sGos9, sGos10, sGos11, sGos12, sGos23, sGosN1, sGosN2, sGosN3, sGosN4, sGosN5, sGosN6	sGos13
13 Time sync	sTm1, sTm2, sTmN1	

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