

# IEC 61850 Certificate Level A<sup>1</sup>

No. C4011484

**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  
IEC 61850 SV Communication Version: 1.61 build 136  
S/N TECW01DRTS66L  
SV publish: F4000S1I0-12U0-12; F4800S1I0-12U0-12;  
F4800S2I0-12U0-12; F5760S1I0-12U0-12; F12800S8I0-4U0-4;  
F14400S6I0-4U0-4; F15360S8I0-4U0-4

**Issued by:** CESI S.p.A. – KEMA Labs

**The server product has not been shown to be non-conforming to:**  
IEC 61850 Edition 2 with Amendment 1 Parts 6, 7-1, 7-2, 7-3, 7-4, 8-1,  
9-2 and IEC 61869 First Edition Part 9  
**Communication networks and systems for power utility automation**

The conformance test has been performed according to IEC 61850-10, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.2 with product’s protocol, model and tissues implementation conformance statements: “PICS (Rev.1, 26/08/2024), MICS (Rev.1, 26/08/2024), TICS (Rev.1 24/08/2024) and product’s eXtra Information for Testing: PIXIT (Rev.1, 24/08/2024) for the IEC 61869-9 server interface in Doble instruments DRTS 66L, 64L, 34L, 33L”.

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

11a SV publish (16/22)	
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This certificate includes a summary of the test results as carried out at Milano in Italy with SimFlex Client Simulator Edition 2 v.4.4.8728 with test suite Ed.2.1 4.4.20231124 and Wireshark v.4.2.4. This document has been issued for information purposes only, and the original archived copy of the CESI S.p.A. – KEMA Labs report: No. **C4011483** will prevail.

The test has been carried out on the 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.

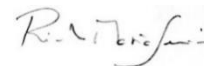
Milano, 16.09.2024



**Alessandro Bertani**

Services & Smart Technologies Director

Issued by

**Riccardo Maria Seresini**

DGL - Senior Engineer

<sup>1</sup> Level A - Independent Test lab with certified [ISO 9001] [ISO/IEC 17025] Quality System  
UCA International Users Group, P.O. Box 315, Shell Knob, MO 65747, USA

**CESI S.p.A.**

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Share capital € 8.550.000 fully deposited  
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PAD C4011484 (3079884) - USO AZIENDALE

Applicable Server Test Procedures from the UCA International Users  
Group Edition 2 Amendment 1 Server Test Procedures version 1.2

Conformance Block	Mandatory	Conditional
11a: Sampled Values publish	sSvp1, sSvp2, sSvp3, sSvp4, sSvp5, sSvp6, sSvp7, sSvp8, sSvp14, sSvp18	sSvp9, sSvp10, sSvp12, sSvp13, sSvp15, sSvp16

All applicable configuration file and data model tests have been successfully performed.

Test case	Limitations
sSvp13	The relevant quality bits are applied to all measurements.

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