IEC 61850 Certificate Level A[1]

No. C6008810

Issued to:

Eurotech S.p.A.
Via F.lli Solari, 3/a
33020 Amaro (UD), Italy

For the server product:

REGATE-15A-14-36-09-CS01 - DER Plant Controller (CCI)
IEC 61850 Firmware Version: 1.0.0 (ESF 61850 Server Plugin)
S/N: A126BQ50007

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,

Communication networks and systems for power utility automation

The conformance test has been performed according to IEC 61850-10, name space definition 7-4:2007B5 and 7-420:2019A4, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.3 ("UCATestProcedureServer61850-8-1Ed2Amd1_Rev1p3.pdf") with product's protocol, model and tissues implementation conformance statements: "PICS (Version 1.0, 16/07/2026), MICS (Version 1.0, 16/07/2026), TICS (Version 1.0, 16/07/2026) and product's extra information for testing: PIXIT (Version 1.0, 16/07/2026) for the IEC 61850 Edition 2 with Amendment 1 server interface in REGATE-15A-14-36-09-CS01".

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

1a Basic Exchange (24/31)	6 Buffered Reporting (32/36)
2 Data Sets (4/7)	12d Enhanced SBO Control (14/29)
5 Unbuffered Reporting (22/26)	13a Time Synchronization with SNTP (4/8)

This certificate includes a summary of the test results as carried out at Milano in Italy with SimFlex Client Simulator Edition 2 Amd 1 v.4.5.0 with reference test suite v. 4.5.20250526 and Wireshark v.4.2.6. This document has been issued for information purposes only, and the original archived copy of the CESI S.p.A. – KEMA Labs report: No. C6008808 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 Eurotech S.p.A. 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, 30.07.2026

Alessandro Bertani

Operations Italy Director

Issued by

CESI
Inspired with innovation
KEMA Labs

Riccardo Maria Seresini

DGL - Communication Protocols
Senior Expert

[1] Level A - Independent Test lab with certified ISO 9001 Quality System
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PAD C6008810 (3194930) - USO AZIENDALE

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Applicable Server Test Procedures from the UCA International Users Group Edition 2 Amendment 1 Server Test Procedures version 1.3

Conformance Block	Mandatory	Conditional
1a: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv6, sSrv8, sSrvN1abcdf, sSrvN4	sAssN6, sSrv12, sSrv15, sSrv17, sSrvN1e, sSrvN2, sSrvN3
2: Data Sets	sDs1, sDs10a, sDsN1ae	sDs15
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRp23, sRpN1, sRpN2, sRpN3, sRpN4, sRpN5, sRpN7, sRpN8, sRpN9	sRp8, sRp10, sRp11, sRp12, sRp15
6: Buffered Reporting	sBr1, sBr2, sBr3, sBr4, sBr5, sBr9, sBr14, sBr16, sBr20, sBr21, sBr22, sBr23, sBr24, sBr25, sBr26, sBr27, sBr28, sBr29, sBrN1, sBrN2, sBrN3, sBrN4, sBrN5, sBrN7, sBrN8, sBrN9, sBrN10	sBr8, sBr10, sBr11, sBr12, sBr15
12d Enhanced SBO control	sCtl4, sCtl5, sCtl8, sCtl9, sCtl10, sCtl11, sCtl25, sSBOes1, sSBOes2, sSBOes6, sSBOes8	sCtl6, sCtl15, sCtl26
13a Time sync SNTP	sTm1, sTm2, sTm7, sTmN1	

Test case	Limitations or Comment
sCnf4, sCnf5	Inconclusive: the manufacturer provides the CID and upload it to the DUT

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ATTESTATION OF CONFORMITY

Number C6008863

Issued to:
Eurotech S.p.A.
Via F.lli Solari, 3/a
33020 Amaro (UD), Italy

For the server product:
REGATE-15A-14-36-09-CS01 - DER Plant Controller (CCI)
Software Version: 1.0.0 (ESF 61850 Server Plugin)
S/N: A126BQ50010

The server product has not been shown to be non-conforming to:

IEC 62351-3 Ed.1.2

Communication network and system security- Profiles including TCP/IP Security extension applied on IEC 61850-8-1 Ed. 2

PAD C6008863 (3194982) - USO AZIENDALE

The conformance test has been performed according to IEC 62351-100-3:2020 Ed 1.0, in combination with IEC 61850-8-1 edition 2, with product's protocol conformance statement and product's extra information for testing: "TLS related Protocol Implementation Conformance Statement (PICS) and PIXIT (IEC 62351-3 Ed.1.2 Conformance) in combination with IEC 61850-8-1 Ed.2 Version 1.0, dated July the 23rd, 2026)".

The IEC 62351 test cases related to the following conformance requirements have been verified with a positive result:

Conformance to selected TLS protocols features:	**Conformance to certificate support:**	**Conformance to cryptographic algorithm support:**
• TLS version 1.2 • TLS session Renegotiation using Hello Request message • TLS session Renegotiation extension • TLS resumption with Session ID	• Support of multiple CA • Maximum supported certificate size 8 192 bytes • Certificate revocation state validation using OCSP or CRL • Acceptance of any certificate from authorized CA • Acceptance of individual certificate from authorized CA • Complex chain of trust PKI	• RSA 1024, 2048 • ECDSA 256-bit keys • Curve secp256r1 • SHA 256, SHA (SHA-1)

This attestation is granted on account of tests carried out at Milano in Italy with CESI - KEMA Labs proprietary PKI and test tool for IEC 62351-3 version 1.0 (2026), IEDExplorer v0.80d client Simulator released on March 2025 and TShark (Wireshark) 4.6.4. Analyzer. This document has been issued for information purposes only, and the original archived copy of the CESI S.p.A. – KEMA Labs Test Report: No C6008862, including remarks and limitations 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 Eurotech S.p.A. The manufacturer's production process has not been assessed. This attestation does not imply that CESI S.p.A. – KEMA Labs has verified or approved any product other than the specimen tested.

Milano, July the 30th, 2026

A. Bertani
Operation Italy Director

Issued by
CESI S.p.A.

C. Cattaneo
Senior Test Engineer

Remarks apply to this implementation. See the resulting Test Report(s) for full details. Publication of this document is allowed. Partial reproduction or publication of the resulting Test Report(s) is permitted only with the written permission from CESI.

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