

ATTESTATION OF CONFORMITY

No. 10457582-DSO 25-2395

Issued to:

Schweitzer Engineering Laboratories, Inc
2350 NE Hopkins Court
Pullman, WA 99163-5603
USA

for the product:

SEL-3555 Real-Time Automation Controller (RTAC)
Software version: SEL-3555-R153-V2-Z000125-D20250324
S/N: 1232974824
Interface: Serial

With the implemented communication protocol:

IEC 60870-5-101 Ed. 2.1 (IS 2003 + AMD1 2015) *Controlled Station - Unbalanced*

Companion Standard for basic telecontrol tasks in Standard direction and the Protocol Implementation Conformance Statement "Interoperability Statement for IEC 60870-5-101 Controlled Station for the SEL RTAC – Version: R153-v3"

The product has not been shown to be non-conforming to the specified protocol standard, including the interface requirements.

End-to-End data element tests for the information and control points as described in manufacturer Protocol Implementation Conformance Statement (PICS) have been performed on the product's protocol implementation. Functional tests in controlled mode are performed for the following compatible Basic Application Functions:

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| <ul style="list-style-type: none"> • Station initialization • Data acquisition by polling • Cyclic data transmission • Data Acquisition through Read • Acquisition of events • General Interrogation | <ul style="list-style-type: none"> • Clock Synchronization • Command transmission • Transmission of Integrated Totals • Parameter Loading • Test Command • Delay Acquisition Procedure |
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The test campaign did not reveal any errors in the product's protocol implementation.

This Attestation is granted on account of tests made at location of DNV in The Netherlands and performed with DNV UniGrid Telecontrol Simulator version 2.5.1 and UniGrid Telecontrol 101 Analyser version 1.2.1. The results, including remarks and limitations, are laid down in DNV report no. 10457582-DSO 25-2397.

The tests have been carried out on one single specimen of the product, submitted by Schweitzer Engineering Laboratories, Inc. The Attestation does not include an assessment of the manufacturer's production process. Conformity of his production with the specimen tested by DNV is not the responsibility of DNV.

Arnhem, March 6th, 2025

Issued by:

O. Telib
Test Engineer
Interoperability of Power Systems



O.C. Serban
Principal Consultant & Team Leader
Protocol Competence and Test Center

IMPORTANT: Remarks apply to this implementation. See the resulting report for full details. Publication of this document is allowed. Publication in total or in part and/or reproduction in whatsoever way of the contents of the above mentioned report(s) is not allowed unless permission has been explicitly given either in the report(s) or by previous letter.