

# ATTESTATION OF CONFORMITY

No. 10250861-INC 20-2745

**Issued to:**

GE Multilin  
650 Markland Street  
Markham ON, L6C 0M1  
Ontario, CANADA

**for the product:**

G500  
Advanced Substation Gateway  
Type: IEC 104 Controlled station  
System software version 210 revision 000  
Application iec101+104dpa version 100 revision 009  
Interface Type: Ethernet

With the implemented communication protocol:

## IEC 60870-5-104 ed.2 (IS 2006)

Network Access for IEC 60870-5-104 using standard transport profiles in Standard direction and the GE Multilin IEC 60870-5-101-104 Server (DPA) for the Multifunction Controller Platform for IEC 60870-5-104 V1.00, Revision 2.

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 levels:

<ul style="list-style-type: none"> <li>• Station initialization</li> <li>• Redundancy</li> <li>• Cyclic data transmission</li> <li>• Data acquisition through read</li> <li>• Acquisition of events</li> <li>• General interrogation</li> </ul>	<ul style="list-style-type: none"> <li>• Clock synchronization</li> <li>• Command transmission</li> <li>• Transmission of Integrated Totals</li> <li>• Parameter Loading</li> <li>• Test procedure</li> </ul>
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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 GL in Arnhem, the Netherlands and performed with DNV GL UniGrid Telecontrol Simulator version 2.3.0 running CS104 Test Suite version 1.41 and UniGrid Telecontrol 104 Analyser version 3.2.0. The results, including remarks and limitations, are laid down in DNV GL report no. 10250861- INC 20-2744.

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

Arnhem, October 5, 2020

**N.A. Heijker**

Business Leader

Interoperability of smart power systems

Issued by:



DNV KEMA is now DNV GL

**Daveed Sooran**

Test Consultant

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