ATTESTATION OF CONFORMITY

No. 10250861-INC 20-2737

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

for the product:
G500
Advanced Substation Gateway
Type: IEC 101 Balanced Controlling station
System software version 210 revision 000
Application iec101-104dca version 100 revision 005
Interface Type: Serial Cable

With the implemented communication protocol:

IEC 60870-5-101 Edition 2 (IS 2003)

Companion Standard for basic telecontrol tasks in standard direction and the GE Multilin IEC 60870-5-101-104 Client (DCA) for the Multifunction Controller Platform for IEC 60870-5-101 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 compatible Basic Application Functions:

• Station initialization • Cyclic data transmission • Acquisition of events • General Interrogation	• Clock Synchronization • Command transmission • Transmission of Integrated Totals • Delay acquisition procedure

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 and UniGrid Telecontrol 101 Analyser version 1.0.3. The results, including remarks and limitations, are laid down in DNV GL Report no. 10250861-INC 20-2736.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by GE Multilin. The manufacturer's production process has not been assessed. This attestation does not imply that DNV GL has verified any product other than the specimen tested.

Arnhem, October 20, 2020

N. Heijker
Business Leader
Interoperability of smart power systems

Issued by:

DNV KEMA is now DNV GL

Davood Sooran
Test Consultant