

ATTESTATION OF CONFORMITY

No. 10027729-OPE/INC 16-2305

Issued to:

Siemens AG
 IC SG EA PRO
 Humboldtstr. 59
 90459 Nuremberg
 Germany

For the product:

SICAM TM –CP6014
 101 Communication module SM2551
 Type: 101 Unbalanced Slave station,
 Included software:
 CP6014 – Software version 08
 IEC 101 Application software version: 05.07

With the implemented communication protocol:

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

Companion Standard for basic telecontrol tasks in Standard direction and the TenneT Telemetry IEC 60870-5-101 Protocol Implementation Document Unbalanced Mode, version 4.6

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:

<ul style="list-style-type: none"> Station initialization Data acquisition by polling Cyclic data transmission Redundant Link 	<ul style="list-style-type: none"> Acquisition of events General Interrogation Command transmission Clock Synchronization
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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 Siemens in Huizingen, Belgium and performed with UniGrid Telecontrol Simulator version 1.1.1 beta1 (2016). The results, including remarks and limitations, are laid down in DNV GL Report no. 10027729-OPE/INC 16-2304.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV GL by Siemens. 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, September 6, 2016



P. Cioci
 Global Service Line Leader
 Operational Excellence of Power Systems

Issued by:



DNV KEMA is now DNV GL



E. Henriquez Suarez
 Test Consultant

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