

ATTESTATION OF CONFORMITY

No. 74100529-MOC/INC 11-0998

Issued to:

IPCOMM GmbH
Gundstrasse 15
91056 Erlangen
Germany

For the product:

IpConv
Software module version no. 3.2
Unbalanced Controlled Station
Version date: 28 April 2011

With the implemented communication protocol:

IEC 60870-5-101 ed.2 (IS 2003)

Companion Standard for basic telecontrol tasks in Standard and Reversed direction and the
IpConv IEC 60870-5-101 Controlled Station Interoperability document
(edition April 2011, Version 3.2)

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 KEMA/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:

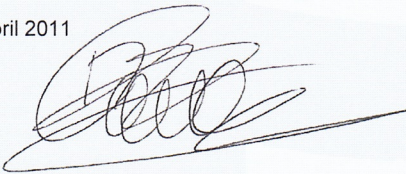
- | | |
|--|--|
| <ul style="list-style-type: none">• <i>Station initialization</i>¹• <i>Data Acquisition by Polling</i>• <i>Cyclic data transmission</i>¹• <i>Read command</i>¹• <i>Acquisition of events</i>• <i>General Interrogation</i>¹ | <ul style="list-style-type: none">• <i>Time synchronisation</i>• <i>Command transmission</i>• <i>Transmission of Integrated Totals</i>• <i>Parameter Loading</i>• <i>Test Command</i>• <i>Delay Acquisition Procedure</i> |
|--|--|

The test campaign did not reveal any errors in the product's protocol implementation.

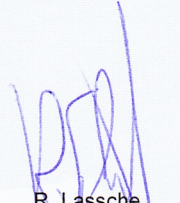
This Attestation is granted on account of tests made at the IPCOMM site in Erlangen, Germany, and performed with UnIECim 60870-5-101 version 2.23.02 (March 2011) running Test Suite version Cs101Master-Interactive 1.22. The results, including remarks and limitations, are laid down in our report no. 74100529-MOC 11-0997.

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

Arnhem, 29 April 2011



M. Adriaensen
Director, Management and Operations Consulting



R. Lassche
Test Consultant

IMPORTANT: Remarks apply to the implementation of this function. See the resulting report (chapter 3) for full details.
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KEMA Nederland B.V.

Utrechtseweg 310, 6812 AR Arnhem; P.O. Box 9035, 6800 ET Arnhem, The Netherlands.
Telephone + 31 26 356 91 11, Telefax + 31 26 443 38 43