

# ATTESTATION OF CONFORMITY

No. 74100529-MOC/INC 11-0996

Issued to:

IPCOMM GmbH  
Gundstrasse 15  
91056 Erlangen  
Germany

For the product:

IpConv  
Software module version no. 3.2  
Balanced 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/manufacture 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:

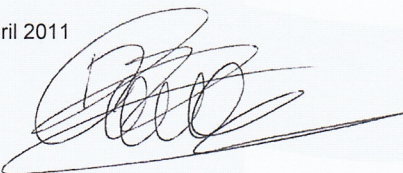
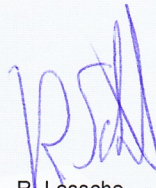
- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• <i>Station initialization<sup>1</sup></i></li><li>• <i>Cyclic data transmission<sup>1</sup></i></li><li>• <i>Read command<sup>1</sup></i></li><li>• <i>Acquisition of events</i></li><li>• <i>General Interrogation<sup>1</sup></i></li><li>• <i>Time synchronisation</i></li></ul> | <ul style="list-style-type: none"><li>• <i>Command transmission</i></li><li>• <i>Transmission of Integrated Totals</i></li><li>• <i>Parameter Loading</i></li><li>• <i>Test Command</i></li><li>• <i>Delay Acquisition Procedure</i></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 the IPCOMM site in Erlangen, Germany, and performed with UnIECim 60870-5-101 version 2.23.02 (March 2011) running Test Suite version Cs101ControllingStation 7.0. The results, including remarks and limitations, are laid down in our report no. 74100529-MOC 11-0995.

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 ConsultingR. Lässche  
Test Consultant**IMPORTANT:** Remarks apply to the implementation of this function. See the resulting report (chapter 3) for full details.

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