



ATTESTATION OF CONFORMITY

30720659-Consulting 08-0400

issued to:

IPCOMM GmbH
Gundstrasse 15
91056 Erlangen
Germany

for the product:

IpConv
Software module version no. 3.2
Controlled station implementation
Version date: 19 February 2008

With the implemented communication protocol:

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

Network Access for IEC 60870-5-101 using standard transport profiles
in Standard and Reversed direction¹

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">• <i>Station initialization</i>¹• <i>Acquisition of events</i>¹• <i>General Interrogation</i>¹• <i>Command transmission</i>¹• <i>Parameter loading</i>¹	<ul style="list-style-type: none">• <i>Read command</i>¹• <i>Time synchronisation</i>¹• <i>Cyclic data transmission</i>¹• <i>Test mode</i>¹• <i>Redundancy requirements</i>¹
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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 60870-5-104 version 1.16.02 (December 2007) running CS104 Test Suite version CS104 V1.28. The results, including remarks and limitations, are laid down in our report no. 30720659-Consulting 08-0399

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, 22 February 2008

W. Strabbing
Manager Intelligent Networks and Communication

P.H.S. Ermens
Test Consultant

¹ IMPORTANT: remarks apply to the implementation of this function. See the resulting report (chapter 4) for full details

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