

ATTESTATION OF CONFORMITY

No. E-14-I-076-DP

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

for the product:
SICAM AK
Type: IEC 104 Controlled station,
Included software:
– Software version: 2.01
– IEC 104 Application software version: ETA4

With the implemented communication protocol:

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

Network Access for IEC 60870-5-101 using standard transport profiles in Standard and Reversed direction and the Siemens IEC60870-5-104 interoperability profile included in the Siemens PICS document DC0-131-2.02, Edition 05.2014 / chapter 3.

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 levels:

<ul style="list-style-type: none">• <i>Station initialization</i>• <i>Redundant connection</i>¹• <i>Cyclic and Background Scan data transmission</i>• <i>Acquisition of events</i>• <i>General Interrogation</i>	<ul style="list-style-type: none">• <i>Command Transmission</i>¹• <i>Parameter loading</i>¹• <i>Transmission of Integrated Totals</i>• <i>File transfer</i>¹• <i>Test procedure</i>
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The test campaign did not reveal any errors in the product's protocol implementation.

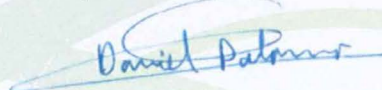
This Attestation is granted on account of tests made at location of Siemens in Vienna, Austria and performed with UnIECim 60870-5-104 version 2.0.2 running CS104 Test Suite version 1.42. The results, including remarks and limitations, are laid down in DNV KEMA report no. E-14-I-075-DP.

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

Madrid, June 23, 2014



E. Henríquez
Head of Section – Operational Excellence



D. Palomo
Test Engineer

¹ IMPORTANT: Remarks apply to this implementation. Publication of this document is allowed. See the resulting report for full details. Publication in total or in part and/or reproduction in whatever way of the contents of the above mentioned report(s) is not allowed unless permission has been explicitly given either in the report(s) or by previous letter.