ATTESTATION OF CONFORMITY

No. E-12-I-004-EH

Issued to:

SIEMENS AG Österreich
Ruthnergasse 3
1210 Viena - Austria

for the product:

TM1703 EMIC
Type: Controlled station
Software version: revision 4 (SW module ett0)

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 direction[1] and the EDP IEC60870-5-104 interoperability profile (07-1532 LIGHT PID 104 v1.1)

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:

• *Station initialization* [1]	• *Parameter loading*[1]
• *Acquisition of events*[1]	• *Transmission of integrated totals*[1]
• *General Interrogation*[1]	• *File transfer*[1]
• *Command transmission* [1]	• *Test procedure*
• *Time synchronisation*[1]	• *PIXIT related*[1]

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 Viena, Austria and performed with UnIECim 60870-5-104 version 1.23.04 (Mar 2011) running CS104 Test Suite version CS104 V1.36. The results, including remarks and limitations, are laid down in our report no. E-12-I-003-EH.

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 KEMA is not the responsibility of KEMA.

Arnhem, January 13, 2012

M. Adriaensen
Director Management & Operations Consulting NMEA

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[1] IMPORTANT: Remarks apply to the implementation of this function. See the resulting report (Chapter 4) for full details

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