

ATTESTATION OF CONFORMITY

No. P-09-R-090-EH

Issued to:
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Energia
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for the product:
Smart Gate
Type: Controlled station
Software version: 0.9.4.3558
104 protocol module version: v1

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 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 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:

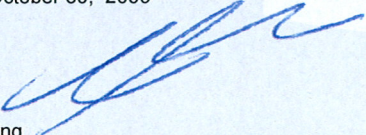
- | | |
|---|---|
| <ul style="list-style-type: none">• <i>Station initialization</i>• <i>Acquisition of events</i>• <i>General Interrogation¹</i>• <i>Command transmission</i> | <ul style="list-style-type: none">• <i>Time synchronisation</i>• <i>Parameter loading¹</i>• <i>Transmission of integrated totals</i>• <i>Test procedure</i> |
|---|---|

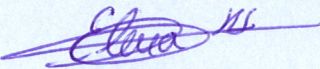
The test campaign did not reveal any errors in the product's protocol implementation.

This Attestation is granted on account of tests made at location of Efacec in Moreria de Maia, Portugal and performed with UniECim 60870-5-104 version 1.18.04 (October 2008) running CS104 Test Suite version CS104 V1.33. The results, including remarks and limitations, are laid down in our report no. P-09-R-087-EH.

The tests have been carried out on one single specimen of the product, submitted by Efacec. 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, October 30, 2009


W. Strabbing
Manager Intelligent Networks and Communication
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E. Henríquez
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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