



# IEC 61850 Certificate Level A<sup>1</sup>

No. 74100049-MOC/INC 11-2174

Issued to:  
Dranetz  
1000 New Durham Road  
Edison, New Jersey 08818  
USA

For the product:  
Encore 61000  
SW version: 3.3  
HW version: 61000PQ



The product has not shown to be non-conforming to:  
**IEC 61850-6, 7-1, 7-2, 7-3, 7-4 and 8-1**  
Communication networks and systems in substations

The conformance test has been performed according to IEC 61850-10 with product's protocol, model and technical issue implementation conformance statements: "61000\_PICS ver. 1.4", "61000\_MICS ver. 1.3", "61000\_TICS ver. 1.3" and product's extra information for testing: "61000\_PIXIT ver. 1.6".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases as defined in the UCA International Users Group Device Test procedures v2.2b):

1 Basic Exchange (15/24)	13 Time Synchronization (3/5)
2 Data Sets (3/6)	

This Certificate includes a summary of the test results as carried out at KEMA in The Netherlands with UniCAsim 61850 version 3.23.02 with test suite 3.23.00 and UniCA 61850 analyzer 4.21.03. The test is based on the UCA International Users Group Device Test Procedures version 2.2b. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74100049-MOC/INC 11-2173 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KEMA by Dranetz. The manufacturer's production process has not been assessed. This Certificate does not imply that KEMA has certified or approved any product other than the specimen tested.

Arnhem, 10 September 2011

M. Adriaansen  
Regional Director Management & Operations Consulting

R.S. Massink  
Test Engineer

1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System

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Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.2b

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5  Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv8
2: Data Sets	Dset1, Dset10a, DsetN1ae	
13: Time sync	Tm1, Tm2, TmN1	