



IEC 61850 Certificate Level A¹

No. 30720517-Consulting 08-1041

Issued to:
GE Energy
2728 Hopewell Place NE,
Calgary, AB T1Y 7J7
Canada

For the product:
D25 Multifunctional IED
Version: Gen 4
B097-0 IEC 61850 DPA Version: 240
L030-0 MMS Library Version: 410
B107-0 RFC1006 Data Link Version: 301
B099-0 SNTP Client Version:Version: 112



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 and technical issue implementation conformance statements: "D25 IEC 61850 ACSI Conformance Statement And Logical Nodes B097-0 Version 240 L030-0 Version 410 B107-0 Version 301 Document Version 1 Document Revision 5 April 1, 2008", "IEC 61850 Tissues Conformance Statement For GE Energy D25 Version: 1.1" and product's extra information for testing: "Protocol implementation extra information for testing (PIXIT) of the IEC 61850 communication interface in GE Energy D25 Version 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 v1.1):

| | |
|------------------------------|-------------------------------|
| 1 Basic Exchange (20/23) | 12b SBO Control (6/15) |
| 2 Data Sets (2/5) | 13 Time Synchronization (4/4) |
| 6 Buffered Reporting (12/15) | 14 File Transfer (3/6) |
| 12a Direct Control (5/11) | |

This Certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCasim 61850 version 3.16.00 with test suite 3.16.06 and UniCA 61850 analyzer 4.15. The test is based on the UCA International Users Group Device Test Procedures version 1.1. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30720517-Consulting 08-1040 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by GE Energy, Canada. 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, April 23, 2008

W. Strabbing
Manager Intelligent Networks and Communication

M. Flohil
Test Engineer

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

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International
Usersgroup

Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 1.1

| Conformance Block | Mandatory | Conditional |
|-----------------------|--|--|
| 1: Basic Exchange | Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4 | Srv6, Srv7, Srv8, SrvN1e, SrvN2, SrvN3 |
| 2: Data Sets | Dset1, DsetN1ae | |
| 6: Buffered Reporting | Br1, Br2, Br3, Br4, Br7, Br8, Br9 BrN1, BrN2, BrN3, BrN4, BrN5 | |
| 12a: Direct control | CltN3, CltN8 DOns1, DOns3 | Clt2 |
| 12b: SBO control | Clt3, CltN1, CltN2, CltN4, SBOs2 | Clt2 |
| 13: Time sync | Tm1, Tm2, TmN1 | TmN2 |
| 14: File transfer | Ft1, Ft2ab, FtN1ab | |