



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

International  
Usersgroup

No. 30620239-Consulting 07-1621

Issued to:  
SELTA S.p.A.  
Direzione e Stabilimento  
Via Emilia, 231  
29010 Cadeo (PC)  
Italy

For the product:  
SELTA STCE/SA100  
Regime Ver 2.0.6 (b4)  
Regime Code 658079005-A0-IT



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: "STCESA\_IEC61850\_PICS rev 1.03", "STCESA100\_MICS issue 1.0", "STCESA\_IEC61850\_TICS rev 1.03" and product's extra information for testing: "STCESA\_IEC61850\_PIXIT rev 1.04".

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       | (17/23) | 9b  | GOOSE Subscribe | (9/9)  |
| 2  | Data Sets            | (2/5)   | 12a | Direct Control  | (4/11) |
| 5  | Unbuffered Reporting | (10/13) | 12b | SBO Control     | (5/14) |
| 6  | Buffered Reporting   | (13/15) | 14  | File Transfer   | (3/6)  |
| 9a | GOOSE Publish        | (7/11)  |     |                 |        |

This Certificate includes a summary of the test results as carried out at SELTA S.p.A in Italy with UniCASim 61850 version 2.15.01 with test suite 3.16.02 and UniCASim GOOSE version 2.14.02 with test suite 2.12.05 and UniCA 61850 analyzer 4.15.00. 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. 30620239-Consulting 07-1688 will prevail.

The test have been carried out on one single specimen of the products as referred above and submitted to KEMA by SELTA S.p.A. 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, August 9, 2007

S.J.L.M. Janssen  
Managing Director KEMA Consulting

S.J.T. Mulder  
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 1.1

| Conformance Block       | Mandatory  | Conditional       |
|-------------------------|--|-------------------|
| 1: Basic Exchange       | Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5<br>Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4 | Srv8, Srv6, Srv7  |
| 2: Data Sets            | Dset1, DsetN1ae  |                   |
| 5: Unbuffered Reporting | Rp1, Rp2, Rp3, Rp4, Rp7<br>RpN1, RpN2, RpN3, RpN4  | Rp5               |
| 6: Buffered Reporting   | Br1, Br2, Br3, Br4, Br7, Br8, Br9<br>BrN1, BrN2, BrN3, BrN4, BrN5                              | Br5               |
| 9a: GOOSE publish       | Gop2, Gop3, Gop4, Gop7   | Gop1, Gop8, GopN1 |
| 9b: GOOSE subscribe     | Gos1, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6                                     |                   |
| 12a Direct control      | CltN3, CltN8, Dons1, DOns3   |                   |
| 12b SBO control         | Ctl3, CtlN1, CtlN2, CtlN4, SBOs2   |                   |
| 14 File transfer        | Ft1, Ft2ab, FtN1ab   |                   |