IEC 61850 Certificate Level A[1]

No. 30720563-Consulting 08-0476

Issued to:
DIMAT, S.A.
C/Biscaia 383, 3ª
08027 Barcelona
Spain

For the product:
TPU-1 Tele protection unit
Software version 1.0

Issued by: **KEMA**

The product has not shown to be non-conforming to:

IEC 61850-7-2 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: "Protocol Implementation Conformance Statement TPU-1, version 2.2", "Model Implementation Conformance Statement TPU-1, version 1.1", "61850 Tissues Conformance Statement TPU-1, version 1.1" and product's extra information for testing: "Protocol Implementation extra Information for Testing (PIXIT) of TPU-1, version 1.2".

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):

9a GOOSE Publish (4/11)	9b GOOSE Subscribe (9/9)

This Certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCAsim GOOSE version 2.14.02 with test suite 2.12.05 and UniCA 61850 analyzer 4.16.01. 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. 30720563-Consulting 08-0475 will prevail.

The test have been carried out on one single specimen of the products as referred above and submitted to KEMA by DIMAT. 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, March 10, 2008

W. Strabbing
Manager Intelligent Networks and Communication

R. Schimmel
Certification Manager

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

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

Conformance Block	Mandatory	Conditional
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	
9b: GOOSE subscribe	Gos1, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	