IEC 61850 Certificate Level A^1

Issued to:
KMDATA INC.
505-2, Daeryung Techno Town 1-cha,
Gasan Digital 2-ro 18, Geumcheon-gu,
Seoul, Republic of Korea

For the server product:
MERGING UNIT - IED
T-MU
IEC 61850 software version : 2.1.0
Hardware version : 1.0.0
S/N : KMDMU23-60-2310001
SV publish : F4000S1I4U4, F4800S1I4U4,
F12800S8I4U4, F15360S8I4U4,
F4800S2I4U4, F14400S6I4U4

Issued by: **Korea Testing Laboratory**

The server product has not been shown to be non-conforming to:
IEC 61850 Edition 2 with Amendment 1 Parts 6, 7-1, 7-2, 7-3, 7-4, 8-1, 9-2 and IEC 61869 First Edition Part 9
Communication networks and systems for power utility automation

The conformance test has been performed according to IEC 61850-10, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.2 with product's protocol, model and tissues implementation conformance statements: "KMDATA_T-MU_PICS_Server_Ed2.1_v.1.0", "KMDATA_T-MU_MICS_Server_Ed2.1_ v.1.0", "KMDATA_T-MU_TICS_Server_Ed2.1_v.1.0" and the extra information for testing: "KMDATA_T-MU_PIXIT_ Server_ Ed2.1_ v.1.0".
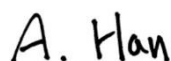
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

11a SV publish (21/22)

This Certificate includes a summary of the test results as carried out at Seoul in Republic of Korea with IEC 61850 Ed2.1 KTL Testing Tool 1.0 with test suite IEC 61850 Ed2.1 Server Conformance Test V.1.0 and IEC 61850 Ed2.1 KTL Trace Manager V.1.0. This document has been issued for information purposes only, and the original paper copy of the Korea Testing Laboratory report: No. TR- 23-0746323-01-1 will prevail.

The test has been carried out on the specimen of the product as referred above and submitted to Korea Testing Laboratory by Hyosung Heavy Industries Corporation. The manufacturer's production process has not been assessed. This certificate does not imply that Korea Testing Laboratory has certified or approved any product other than the specimen tested.

Seoul, Nov. 28, 2023

Ah Han
Principal Engineer
IT Convergence Technology Center

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1 Level A - Independent Test lab with accredited ISO/IEC 17025 Quality System

Applicable Server Test Procedures from the UCA International Users Group Edition 2 Amendment 1 Server Test Procedures version 1.2.

Conformance Block	Mandatory	Conditional
11a: Sampled Values publish	sSvp1, sSvp2, sSvp3, sSvp4, sSvp5, sSvp6, sSvp7, sSvp8, sSvp14, sSvp18	sSvp9, sSvp11, sSvp12, sSvp13, sSvp15, sSvp16, sSvp17, sSvp20, sSvp21, sSvp22, sSvp23

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