



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



Issued to:  
PSD Technologies Inc.  
301 Hyundai I Valley, 223-12,  
Sangdaewon 1-dong, Jungwon-gu,  
Seongnam-si, Republic of Korea, 13212

For the server product:  
Partial Discharge Monitoring System (PDMS)  
AMoS  
Server Software V.1.0

Issued by: **Korea Testing Laboratory**

## The server product has not been shown to be non-conforming to: IEC 61850 First Edition Parts 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, the UCA International Users Group Server Device Test Procedures version 3.02, the product's protocol, model and technical issue implementation conformance statements: "PSD\_PICS", "PSD\_MICS", "PSD\_TICS" and the extra information for testing: "PSD\_PIXIT".

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):

1 Basic Exchange (20/25)	13 Time Synchronization (3/5)
2 Data Sets (3/6)	14 File Transfer (4/7)
5 Unbuffered Reporting (16/19)	

This Certificate includes a summary of the test results as carried out at KTL in Republic of Korea with IEC 61850 KTL Testing Tool with test suite IEC 61850 Server Conformance Test V.1.0 and IEC 61850 KTL Trace Manager V.1.0. This document has been issued for information purposes only, and the original paper copy of the KTL report: No. TR-16-006701-01 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KTL by PSD Technologies Inc.. The manufacturer's production process has not been assessed. This certificate does not imply that KTL has approved any product other than the specimen tested.

Seoul, March 28, 2016

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



Applicable Test Procedures from the UCA International Users Group Server Device Test Procedures version 3.02.

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	AssN3, AssN6, Srv6, Srv7, SrvN1e, SrvN2, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp9, Rp15, RpN1, RpN2, RpN3, RpN4, RpN8	Rp6, Rp8, Rp10, Rp11, Rp12
13: Time sync	Tm1, Tm2	TmN1
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	

Additional test case which was performed: Rp7