

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

Issued to:  
Hankook Electric Power Information Co.  
103, Venture Center, KEPCO,  
105 Munji-ri, Yuseong-gu Daejeon,  
Republic of Korea, 34056

For the server product:  
HEPI 61850 ESS Server  
Software Version 1.0  
Hardware : ADVANTEC ARK-1550-S6A1E  
with Ubuntu 18.04.5 LTS  
S/N : HEPI2020-07

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 3.3, the product's protocol, model and technical issue implementation conformance statements: "HEPI\_HEPI 61850 ESS Server\_PICS\_v.1", "HEPI\_HEPI 61850 ESS Server\_MICS\_v.1", "HEPI\_HEPI 61850 ESS Server\_TICS\_v.1" and the extra information for testing: "HEPI\_HEPI 61850 ESS Server\_PIXIT\_v.1".

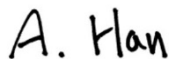
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases):

1 Basic Exchange (19/25)	2+ Data Set Definition (22/24)
2 Data Sets (3/6)	

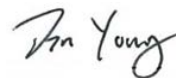
This Certificate includes a summary of the test results as carried out at KTL in Republic of Korea with IEC 61850 KTL Testing Tool with test suite IEC 61850 Server Conformance Test V.1.0 and IEC 61850 KTL Trace Manager V.1.0. This document has been issued for information purposes only, and the original paper copy of the KTL report: No. TR-20-045457-01-1 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KTL by Hankook Electric Power Information Co. 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, Nov. 13, 2020



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

Applicable Test Procedures from the UCA International Users Group Server Device Test Procedures version 3.3.

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	AssN3, AssN6 Srv6, Srv7, SrvN1e, SrvN2
2: Data Sets	Dset1, Dset10a, DsetN1ae	
2+: Data Set Definition	Dset2, Dset3, Dset4, Dset5, Dset6, Dset7, Dset8, Dset9 DsetN1cd, DsetN2, DsetN3, DsetN4, DsetN5, DsetN6, DsetN7, DsetN8, DsetN9, DsetN10, DsetN11, DsetN12, DsetN13, DsetN14	

