



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

No. 2017PUCA0010

Issued to:

**BEIJING SIFANG AUTOMATION CO.,LTD.**  
**BEIJING SIFANG ENGINEERING CO., LTD.**  
No. 9 Shangdi 4th Street, Haidian District, Beijing,  
100085 P.R.C.

For the product:

CSC-103  
Software Version: V1.00

Issued by: **KETOP** 开普

**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 3.03, the product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement (PICS) for CSC-103", "Modeling Implementation Conformance Statement(MICS) for CSC-103", "IEC 61850 Tissues Conformance Statement (TICS) for CSC-103", and the extra information for testing: "Protocol implementation extra information (PIXIT) of the IEC 61850 communication interface in CSC-103".

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):

|                            |                    |
|----------------------------|--------------------|
| 9a GOOSE Publish (7/12)    | 13 Time sync (2/5) |
| 9b GOOSE Subscribe (10/11) |                    |

This Certificate includes a summary of the test results as carried out at the KETOP Lab's offices in Xuchang, China with UnicASim 61850 GOOSE Ver2.27.01 with test suite Version 2.27.04 (TPCL1p6) and Ed2, and the UniCA 61850 analyzer Version 5.31.00. This document has been issued for information purposes only, and the original paper copy of the KETOP Lab report: No. JW172240E will prevail.

The test have been carried out on one single specimen of the product as referred above and submitted to KETOP Lab by BEIJING SIFANG AUTOMATION CO.,LTD.;BEIJING SIFANG ENGINEERING CO., LTD. The manufacturer's production process has not been assessed. This certificate does not imply that KETOP Lab has approved any product other than the specimen tested.

Xuchang, Dec 01<sup>st</sup>, 2017

He Chun  
Director of PRTC Department

Liu Desen  
Test Engineer

<sup>1</sup> Level A - Independent Test lab with ISO 17025 Quality System

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**China KETOP Lab ( Xuchang Ketop Testing Research Institute Co.,Ltd )**  
**National Center For Quality Supervision & Testing of Relay Protection and Automation Equipment**

1706#, Xuji Avenue, XuChang, Henan, P.R. China, P.C.461000  
T +86 374 3212841 F +86 374 3212775 www.ketop.cn



Applicable Test Procedures from the UCA International Users Group Server Device Test Procedures version 3.03

| <b>Conformance Block</b> | <b>Mandatory</b>  | <b>Conditional</b> |
|--------------------------|---|--------------------|
| 9a: GOOSE publish        | Gop2, Gop3, Gop4, Gop9, Gop10a                              | Gop5, Gop7         |
| 9b: GOOSE subscribe      | Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6 | Gos1b              |
| 13:Time sync             | Tm1,Tm2   |                    |

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