

Certificate registration number: G3. G3.2204.500.2.A5

Certificate holder: Chongqing Huahong Metering Co., Ltd.

Product designation: DDSY1311SR, Hardware version S.1.1.0, Firmware version ESG3SD-V000201

Certification date: April 2nd, 2022

This certificate indicates the above mentioned product successfully completed certification testing with regards to the reference specification ITU G.9903 (08-2017).

The certificate applies to certification profile CENELEC A and the device was configured as a PAN-Device.

Test cases have been performed as described in the test report referred to below. This certificate is granted on account of tests conducted by TÜV Rheinland in Yokohama, Japan in December 2021. The results and remarks can be found in the complete test report.

Applied tests	Performed by	Document evidence
Conformance, interoperability and performance testing according to the test specification referenced by the test report	TÜV Rheinland Japan	JP222VOX 001

The device tested is a G3-PLC CENELEC A 1-phase meter. The meter is equipped with the G3-PLC certified platform ESPLC-CEN with certificate no. G3.2102.427.1.A4. The Protocol Implementation Conformance Statement in the Annex includes the PICS related to performance and is an integral part of this certificate. This certificate is valid from April 2nd 2021.

The certificate is only applicable to the product described above and permits the use of the G3-PLC™ logo as laid down in the G3-PLC logo license agreement.

This certificate does not imply assessment of the production. This certificate shall not be defined, or used as a guarantee covering quality of a product which includes G3-PLC. The liability of the Alliance and the test laboratory or any of her representatives is excluded for any damages or losses of the certified company.

Paris, April 2nd 2022

Marc Delandre

Chairman

For the G3-PLC Alliance:

Madeleine Francillard Chair Certification Program



Authenticity of this certificate can be verified at https://www.g3-plc.com/g3-plc-certification/ Pa

Page 1 of 6

Annex 1: Protocol Implementation Conformance Statement (PICS)

G3-PLC CENTIFIED

Feature implementation statement

Name	Value	Description	
BAND_PLAN	CENELEC A	Indicate the band-plan supported by the device.	
FEATURE_PAN_COORDINATOR	FALSE	Indicate if the device is a PAN-Coordinator (true) or a normal device (false).	
FEATURE_COHERENT_MODULAT	FALSE	Indicate if coherent modulation is supported.	
FEATURE_EAP_SERVER	FALSE	Indicate if an EAP-PASK server is implemented by the DUT.	
		Apply only if FEATURE_PAN_COORDINATOR = true.	
FEATURE_D8PSK_MODULATION	TRUE	True / False	
FEATURE_ROUTING	TRUE	Indicate if the routing is implemented by the IUT.	
FEATURE_SECURITY	F1	Indicate the security implemented by the device. Possible values are: F1, F2.	
FEATURE_ACTIVE_SCAN	TRUE	Indicate if the active scan process is done by the IUT after power-up.	
FEATURE_PREAMBLE_COEXISTE NCE_MECHANISM	FALSE	Indicate if the preamble-based coexistence mechanism is used by the IUT.	

If mos

Certificate registration number: G3.2204.500.2.A5

Page 2 of 6

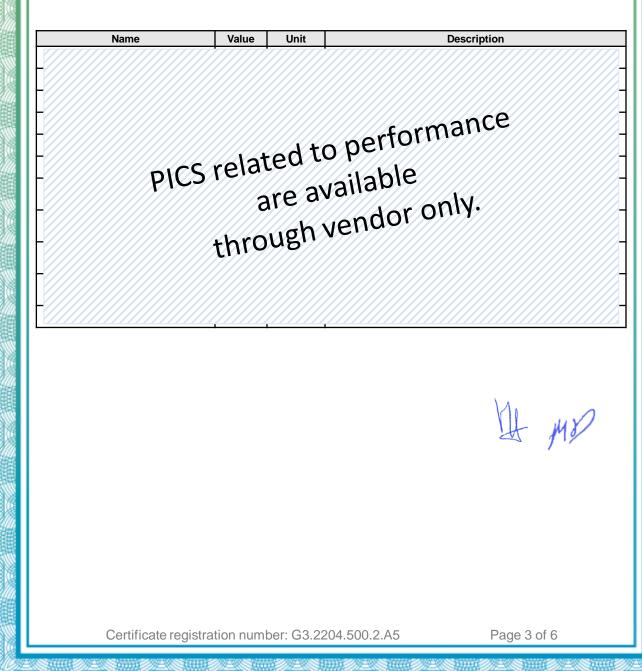


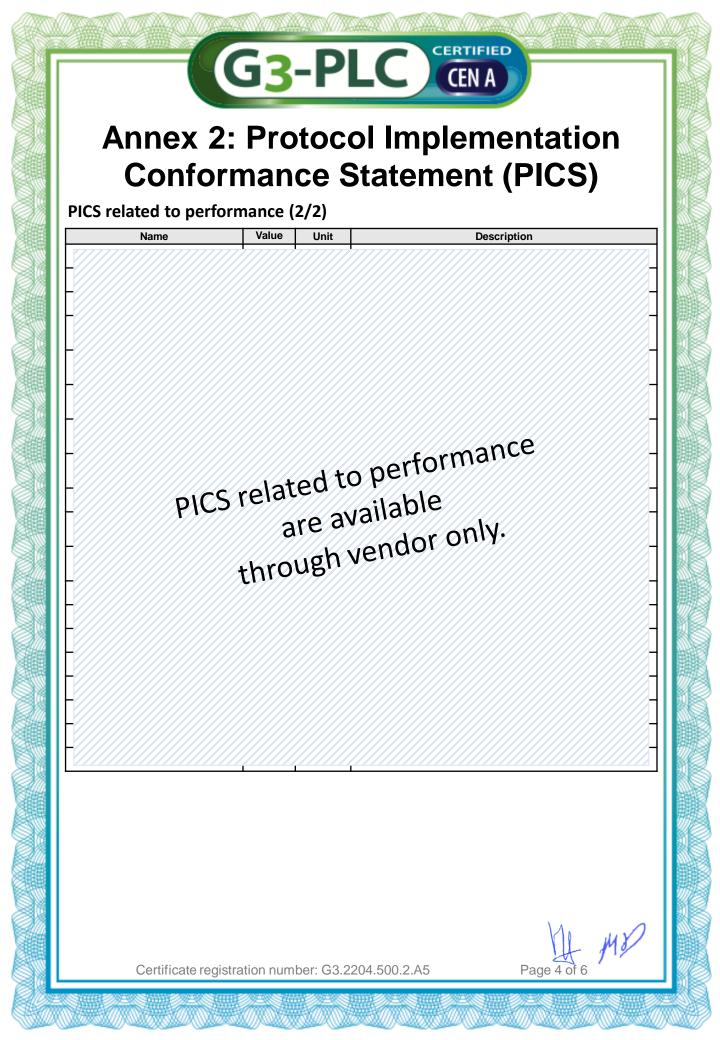
Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (1/2)

The device tested is a G3-PLC CENELEC A 1-phase meter. Testing was performed on phase 1.

Operating voltage applied for certification testing was 230V/50Hz.





Annex 3: Copy of test report cover sheet

Prüfbericht - Produkte

G3-PLC CENA

🛕 TÜVRheinland® Test Report - Products JP222VOX 001 Auftrags-Nr.: 150258451 10 Seite 1 von 53 Order no. Page 1 of 53 Prüfhericht-Nr Kunden-Referenz-Nr.: Auftragsdatum: DDSY1311SR 2022-03-11 Client reference no.: Order date: Holley Technology Ltd, Auftraggeber: No.181 Wuchang Avenue, Yuhang District Hangzhou 310023, China Client: Prüfgegenstand: Smart Meter Test item: CENELEC A Bezeichnung / Typ-Nr.: DDSY1311SR (Chongqing Huahong Metering Co., Ltd.) Identification / Type no.: Auftrags-Inhalt: **G3PLC** Order content: Prüfgrundlage: G3 PLC Conformance Tests Specification v0.32 Test specification: G3-PLC 1-to-1 Interoperability Tests Specification v0.13 G3-PLC Performance Test Suite Specification v0.27 G3-PLC Certification Test Procedures v2.0 Wareneingangsdatum: 2021-12-21 Date of sample receipt: (original model) A003187771-001 to 004 Prüfmuster-Nr.: Test sample no: (original model) Prüfzeitraum: 2021-12-21 - 2021-12-27 Testing period: (original model) 4-25-2 Kita-Yamata, Ort der Prüfung: Tsuzuki-ku Yokohama 224-Place of testing: 0021, Japan Prüflaboratorium: TÜV Rheinland Japan Ltd. Testing laboratory: Prüfergebnis*: Pass Test result* geprüft von: genehmigt von: tested by: authorized by: 4. Gaiter Ausstellungsdatum: Datum: Date: 2022-03-24 Martin Zietz Issue date: 2022-03-25 Shuii Saito Stellung / Position: Tester Stellung / Position: Reviewer Sonstiges / Other: The product which this report covers is, according to the declaration of the client, identical to the product in report JP217FR3 001. The company name and the product name DDSY283SR changed to the above mentioned. All administrative and test data in this report are taken from report JP217FR3 001 without additional testing. Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt Condition of the test item at delivery: Test item complete and undamaged Legende P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendba N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to duplicated in extracts. This test report does not entitle to carry any test mark. TÜV Rheinland Japan Ltd., Global Technology Assessment Center 4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Japan Mail: g3plc@tuv.com · Web: www.tuv.com/ Certificate registration number: G3.2204.500.2.A5 Page 5 of 6