# TEST REPORT

**Philippine Grid Code Amendment 1, Resolution No. 07, Series 2013**

TÜV SÜD Test report for resolution No.07, series of 2013, addendum to amendment No. 1 of the Philippine grid code - Connection and operational requirements for variable renewable energy (VRE) generating facilities

<table>
<thead>
<tr>
<th>Report reference No.</th>
<th>70.409.18.051.39-0C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of issue</td>
<td>2019-02-19</td>
</tr>
<tr>
<td>Project handler</td>
<td>Kai Zhao</td>
</tr>
<tr>
<td>TÜV SUD Branch</td>
<td>TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch</td>
</tr>
<tr>
<td>Address</td>
<td>3-13, No.151 Heng Tong Road, 200070, Shanghai, P.R. China</td>
</tr>
<tr>
<td>Testing location</td>
<td>Nanjing CQC - Trusted Testing Technology Co., Ltd. (CNAS L5922) No.99, Wenlan Road, Xianlin University Zone, Xianlin Street, Qixia District, NanJing, China</td>
</tr>
<tr>
<td>Client</td>
<td>Huawei Technologies Co., Ltd.</td>
</tr>
<tr>
<td>Client number</td>
<td>41829</td>
</tr>
<tr>
<td>Address</td>
<td>Administration Building Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, 518129 Shenzhen, PEOPLE'S REPUBLIC OF CHINA</td>
</tr>
<tr>
<td>Contact person</td>
<td>Mr. Zhiwei Yang</td>
</tr>
</tbody>
</table>

**Standard**

This TÜV SUD test report form is based on the following requirements:

Philippine Grid Code Amendment 1, Resolution No. 07, Series 2013

**TRF originated by**

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch, Dipl.-Ing. Alexander Krenz

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This test report is based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by TÜV SUD Product Service GmbH.

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| Scheme                     | □ GS  □ TÜV Mark  □ EU-Directive  □ without certification |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
| Non-standard test method    | □ No            | □ Yes, see details under Summary |
| National deviations        | N/A             |                 |
| Number of pages (Report)   | 68              |                 |
| Number of pages (Attachments)| N/A             |                 |

Compiled by: Kai Zhao
Approved by: Pengdong Yang

Test report based on Philippine Grid Code Amendment 1, Resolution No. 07, Series 2013
Test sample: Engineering prototype
Type of test object: SOLAR INVERTER
Trademark: HUAWEI

Model and/or type reference: SUN2000-105KTL-H1
Rating(s): See rating label on page 5
Manufacturer: Huawei Technologies Co., Ltd.
Manufacturer number: 41829
Address: Administration Building Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, 518129 Shenzhen, PEOPLE’S REPUBLIC OF CHINA

Sub-contractors/ tests (clause): Nanjing CQC - Trusted Testing Technology Co., Ltd.
Name: All clauses (detail see summary of testing)

Order description:
- Complete test according to TRF
- Partial test according to manufacturer's specifications
- Preliminary test
- Spot check

Date of order: 2018-06-27
Date of receipt of test item: 2018-12-20
Date(s) of performance of test: 2018-12-20 to 2019-01-17

Test item particulars:
All the tests results confirmed to the requirements of the standard.

Attachments: N/A

General remarks:
"(see remark #)" refers to a remark appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report a dot is used as the decimal separator.
The test results presented in this report relate only to the object tested.
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