
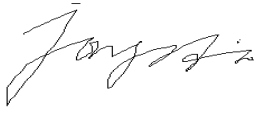


<b>Prüfbericht - Nr.:</b> 50028966 001 <i>Test Report No.</i>		Seite Page		1	von of	7
<b>Auftraggeber:</b> <i>Client:</i>	CNPLOEN 3F, 47, Digital-ro 9-gil, Geumcheon-gu, Seoul 153-712 Korea					
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	OpenADR Device					
<b>Bezeichnung:</b> <i>Identification:</i>	LK-A03	<b>Order-Nr.:</b> <i>Order No.</i>	133041478			
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	A000190218	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	2015-04-23			
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of test item at delivery:</i>	Test item complete and undamaged					
<b>Prüfort:</b> <i>Testing location:</i>	TÜV Rheinland Korea Ltd. E&C Venture Dream Tower 6, 197-28, Guro-dong, Guro-gu Seoul, 152-719, Korea					
<b>Prüfgrundlage:</b> <i>Test specification:</i>	OpenADR 2.0a Certification Test Specification v1.0.5					
<b>Prüfergebnis:</b> <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).					
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TÜV Rheinland Korea Ltd. E&C Venture Dream Tower 6, 197-28, Guro-dong, Guro-gu Seoul, 152-719, Korea					
<b>geprüft / tested by:</b>		<b>kontrolliert / reviewed by:</b>				
						
24.Apr.2015 YoungJu Yoon/ Proj.Engineer		24.Apr.2015 Jong-Shik Her/ Proj.Mgr				
<b>Datum</b> <i>Date</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Unterschrift</b> <i>Signature</i>			
<b>Sonstiges / Other Aspects:</b>						
Abkürzungen: OK, Pass = entspricht Prüfgrundlage Fail = entspricht nicht Prüfgrundlage N/A = nicht anwendbar		Abbreviations: OK, Pass = passed Fail = failed N/A = not applicable				
<b>Dieser Prüfbericht bezieht sich nur auf den o.g. Prüfgegenstand und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> This test report relates to the a. m. test item. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark on this or similar products.						

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## 1. General Product Information

### 1.1 General SUT Information

Order number: 133041463  
Hardware version: V1.1  
Firmware version: V1.1

### 1.2 General EUT Description

Equipment under test: see page 1

### 1.3 Type of Product

Product type: VEN  
OpenADR profile: 2.0a  
Mode: Pull  
Transport: Simple HTTP  
Security: Standard

## 2. Testing Laboratory

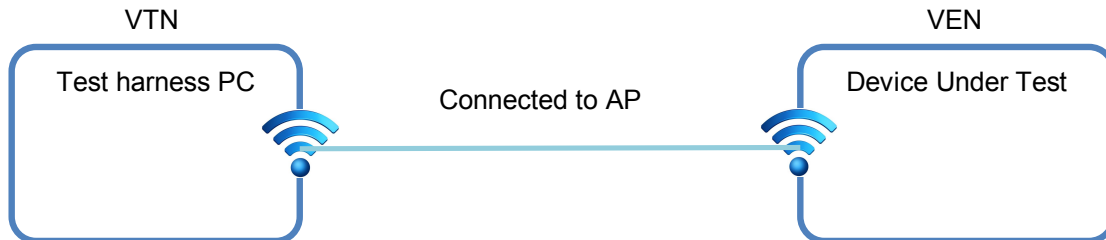
Company name: TÜV Rheinland Korea Ltd.

Address: E & C Venture Dream Tower 6, 197-28, Guro-dong, Guro-gu  
Seoul, 152-719, Korea

### 2.1 Test Equipment

Instrument	Manufacturer	Model Number	Version/Errata
Test tool	QualityLogic	OpenADR2.0aCertTest	1.0.5

## 2.2 Test Setup



## 3. Information about Test Results

### 3.1 General

#### Documentation of tested devices and results:

The complete set of measurement results is stored at the TÜV Rheinland Korea Ltd. test laboratory and is available on demand.

#### Interpretation of test results:

The results of the inspection are described on the following pages. "Pass" in the summary list of this test report means the performed tests according to the test specification were verified and that the tested device is conformant to the specifications.

## 4. Test Results

### 4.1 Profile 2.0a

#### 4.1.1 VEN Pull Tests

No.	Test Case	Date	Result	Log
1	E1_0020_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_112717_946.txt
2	E1_0040_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_112612_224.txt
3	E1_0060_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_112917_113.txt
4	E1_0070_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_113010_222.txt
5	E1_0082_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_113131_892.txt
6	E1_0086_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_113545_099.txt
7	E1_0090_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_113830_713.txt
8	E1_0092_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_114035_890.txt
9	E1_0094_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123016_830.txt
10	E1_0096_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123101_104.txt
11	E1_0098_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123205_492.txt
12	E1_0100_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123301_003.txt
13	E1_0102_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123403_964.txt
14	E1_0104_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123448_134.txt
15	E1_0110_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123547_283.txt
16	E1_0130_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_123703_973.txt
17	E1_0180_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_124105_796.txt
18	E1_0190_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_124323_264.txt
19	E1_0200_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_124928_480.txt
20	E1_0210_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_125108_251.txt
21	E1_0220_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_125502_867.txt
22	E1_0230_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_010129_061.txt
23	E1_0240_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_010635_820.txt
24	E1_0250_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_011132_795.txt
25	E1_0260_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_011624_597.txt
26	E1_0262_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_013322_917.txt
27	E1_0267_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_014820_797.txt
28	E1_0267_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_015205_549.txt
29	E1_0268_TH_VTN	Apr / 23 / 2015	PASS	View Log TraceLog_230415_020808_895.txt

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30	E1_0270_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_021345_460.txt</a>
31	E1_0280_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_031218_788.txt</a>
32	E1_0285_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_024622_225.txt</a>
33	E1_0297_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_024710_777.txt</a>
34	E1_0300_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_024911_044.txt</a>
35	E1_0310_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025003_758.txt</a>
36	E1_0320_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025231_058.txt</a>
37	E1_0325_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025404_453.txt</a>
38	E1_0340_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025456_655.txt</a>
39	E1_0345_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025557_792.txt</a>
40	E1_0360_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025655_182.txt</a>
41	E1_0370_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_025810_965.txt</a>
42	E1_0384_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_030321_862.txt</a>
43	E1_0390_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_030430_296.txt</a>
44	E1_0392_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_030623_338.txt</a>
45	S1_1400_TH_VTN	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_030813_977.txt</a>

#### 4.1.2 Transport Tests

No.	Test Case	Date	Result	Log
1	T9_1200	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_031119_438.txt</a>
2	T9_1210	Apr / 23 / 2015	PASS	<a href="#">View Log TraceLog_230415_031148_545.txt</a>

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## Appendix A: Remarks and References

Log files for the executed test cases are provided in the electronic format.

List of all executed tests with links to the log files is located in the "logfile.xml" which could be opened in any web-browser.

## Appendix B: Photos

**Photo 1: Test harness PC**



**Photo 2: Test Device**

