

Prüfbericht - Nr.: 50027759 001 <i>Test Report No.</i>		Seite Page		1	von of	9
Auftraggeber: <i>Client:</i>	Gridwiz Inc. 4F 1010Bldg, 25, Sanun-ro 208beon-gil, Bundang-gu, Seongnam-si, Gyenggi, 463-440, Korea					
Gegenstand der Prüfung: <i>Test item:</i>	OpenADR Device					
Bezeichnung: <i>Identification:</i>	OpenADR SDK 2.0b VEN	Order-Nr.: <i>Order No.</i>	133041146			
Wareneingangs-Nr.: <i>Receipt No.:</i>	A000180669	Eingangsdatum: <i>Date of receipt:</i>	2015-03-30			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of test item at delivery:</i>	Test item complete and undamaged					
Prüfort: <i>Testing location:</i>	TÜV Rheinland Korea Ltd. E&C Venture Dream Tower 6, 197-28, Guro-dong, Guro-gu Seoul, 152-719, Korea					
Prüfgrundlage: <i>Test specification:</i>	OpenADR 2.0b Certification Test Specification v1.0.6					
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).					
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland Korea Ltd. E&C Venture Dream Tower 6, 197-28, Guro-dong, Guro-gu Seoul, 152-719, Korea					
geprüft / tested by:				kontrolliert / reviewed by:		
	03.Apr.2015 YoungJu Yoon/ Proj.Engineer			06.Apr.2015 Jong-Shik Her/ Proj.Mgr		
Datum <i>Date</i>	Unterschrift <i>Signature</i>		Datum <i>Date</i>	Unterschrift <i>Signature</i>		
Sonstiges / Other Aspects:						
Abkürzungen:	OK, Pass = entspricht Prüfgrundlage	Abbreviations:	OK, Pass = passed			
	Fail = entspricht nicht Prüfgrundlage		Fail = failed			
	N/A = nicht anwendbar		N/A = not applicable			
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. 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: 133041146
Hardware version: N/A
Firmware version: V2.0

1.2 General EUT Description

Equipment under test: see page 1

1.3 Type of Product

Product type: VEN
OpenADR profile: 2.0b
Mode: Pull
Transport: Simple HTTP
Security: SHA256

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

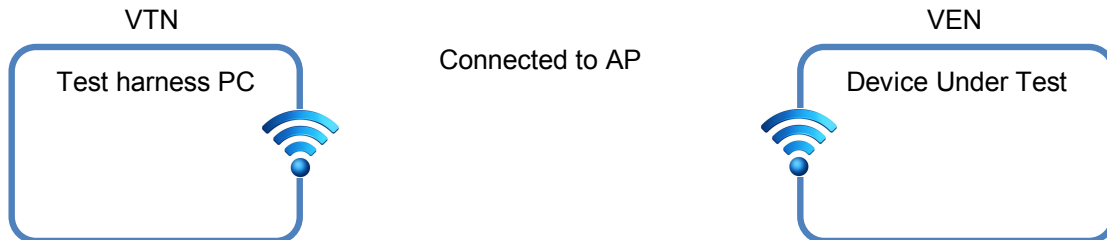
2.1 Test Equipment

Instrument	Manufacturer	Model Number	Version/Errata
Test tool	QualityLogic	OpenADR2.0bCertTest	1.0.6

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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.

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4. Test Results

4.1 VEN Pull Tests

4.1.1 EiRegisterParty Service

No	Test Case Name	Date	Result	Log
1	N1_0010_TH_VTN_1	Mon Mar 30 11:12:13 KST 2015	PASS	View Log TraceLog_300315_111213_685.txt
2	N1_0015_TH_VTN_1	Mon Mar 30 11:13:28 KST 2015	PASS	View Log TraceLog_300315_111328_892.txt
3	N1_0020_TH_VTN_1	Mon Mar 30 11:15:20 KST 2015	PASS	View Log TraceLog_300315_111520_894.txt
4	N1_0025_TH_VTN_1	Mon Mar 30 11:16:26 KST 2015	PASS	View Log TraceLog_300315_111626_751.txt
5	N1_0030_TH_VTN_1	Mon Mar 30 11:17:50 KST 2015	PASS	View Log TraceLog_300315_111750_772.txt
6	N1_0040_TH_VTN_1	Mon Mar 30 16:58:40 KST 2015	PASS	View Log TraceLog_300315_045840_955.txt
7	N1_0050_TH_VTN_1	Mon Mar 30 12:43:09 KST 2015	PASS	View Log TraceLog_300315_124309_411.txt
8	N1_0060_TH_VTN_1	Mon Mar 30 17:00:40 KST 2015	PASS	View Log TraceLog_300315_050040_267.txt
9	N1_0065_TH_VTN_1	Mon Mar 30 12:50:14 KST 2015	PASS	View Log TraceLog_300315_125014_368.txt
10	N1_0070_TH_VTN_1	Mon Mar 30 17:01:54 KST 2015	PASS	View Log TraceLog_300315_050154_775.txt
11	N1_0080_TH_VTN_1	Mon Mar 30 12:54:16 KST 2015	NA	View Log TraceLog_300315_125416_556.txt

4.1.2 EiOpt Service

No	Test Case Name	Date	Result	Log
1	P1_2010_TH_VTN_1	Tue Mar 31 11:22:37 KST 2015	PASS	View Log TraceLog_310315_112237_340.txt
2	P1_2015_TH_VTN_1	Tue Mar 31 11:23:45 KST 2015	PASS	View Log TraceLog_310315_112345_835.txt
3	P1_2020_TH_VTN_1	Tue Mar 31 11:25:02 KST 2015	PASS	View Log TraceLog_310315_112502_050.txt
4	P1_2030_TH_VTN_1	Tue Mar 31 11:26:43 KST 2015	PASS	View Log TraceLog_310315_112643_475.txt
5	P1_2040_TH_VTN_1	Tue Mar 31 11:28:08 KST 2015	PASS	View Log TraceLog_310315_112808_402.txt
6	P1_2050_TH_VTN_1	Tue Mar 31 11:29:30 KST 2015	NA	View Log TraceLog_310315_112930_281.txt

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4.1.3 EiReport Service

No	Test Case Name	Date	Result	Log
1	R1_3010_TH_VTN_1	Mon Mar 30 17:03:51 KST 2015	PASS	View Log TraceLog_300315_050351_636.txt
2	R1_3020_TH_VTN_1	Mon Mar 30 17:10:36 KST 2015	PASS	View Log TraceLog_300315_051036_885.txt
3	R1_3025_TH_VTN_1	Mon Mar 30 17:14:23 KST 2015	PASS	View Log TraceLog_300315_051423_451.txt
4	R1_3027_TH_VTN_1	Mon Mar 30 17:18:02 KST 2015	PASS	View Log TraceLog_300315_051802_895.txt
5	R1_3030_TH_VTN_1	Mon Mar 30 17:31:49 KST 2015	PASS	View Log TraceLog_300315_053149_444.txt
6	R1_3040_TH_VTN_1	Tue Mar 31 13:24:48 KST 2015	PASS	View Log TraceLog_310315_012448_944.txt
7	R1_3045_TH_VTN_1	Tue Mar 31 13:26:42 KST 2015	PASS	View Log TraceLog_310315_012642_720.txt
8	R1_3050_TH_VTN_1	Fri Apr 03 16:48:04 KST 2015	PASS	View Log TraceLog_030415_044804_647.txt
9	R1_3060_TH_VTN_1	Fri Apr 03 16:46:03 KST 2015	PASS	View Log TraceLog_030415_044603_376.txt
10	R1_3130_TH_VTN_1	Tue Mar 31 13:28:35 KST 2015	PASS	View Log TraceLog_310315_012835_552.txt
11	R1_3140_TH_VTN_1	Tue Mar 31 13:30:26 KST 2015	PASS	View Log TraceLog_310315_013026_717.txt
12	R1_3150_TH_VTN_1	Tue Mar 31 13:32:04 KST 2015	PASS	View Log TraceLog_310315_013204_960.txt
13	R1_3160_TH_VTN_1	Tue Mar 31 13:33:54 KST 2015	PASS	View Log TraceLog_310315_013354_240.txt
14	R1_3170_TH_VTN_1	Tue Mar 31 13:43:41 KST 2015	PASS	View Log TraceLog_310315_014341_060.txt
15	R1_3180_TH_VTN_1	Tue Mar 31 13:46:37 KST 2015	PASS	View Log TraceLog_310315_014637_630.txt
16	R1_3190_TH_VTN_1	Tue Mar 31 13:50:04 KST 2015	PASS	View Log TraceLog_310315_015004_266.txt

4.1.4 EiEvent Service

No	Test Case Name	Date	Result	Log
1	E1_1010_TH_VTN_1	Mon Mar 30 16:26:17 KST 2015	PASS	View Log TraceLog_300315_042617_419.txt
2	E1_1020_TH_VTN_1	Mon Mar 30 16:27:28 KST 2015	PASS	View Log TraceLog_300315_042728_984.txt
3	E1_1025_TH_VTN_1	Mon Mar 30 16:28:52 KST 2015	PASS	View Log TraceLog_300315_042852_630.txt
4	E1_1027_TH_VTN_1	Mon Mar 30 16:29:50 KST 2015	PASS	View Log TraceLog_300315_042950_432.txt
5	E1_1030_TH_VTN_1	Mon Mar 30 16:31:00 KST 2015	PASS	View Log TraceLog_300315_043100_276.txt

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6	E1_1040_TH_VTN_1	Mon Mar 30 16:32:36 KST 2015	PASS	View Log TraceLog_300315_043236_693.txt
7	E1_1050_TH_VTN_1	Mon Mar 30 16:35:09 KST 2015	PASS	View Log TraceLog_300315_043509_984.txt
8	E1_1055_TH_VTN_1	Mon Mar 30 16:37:01 KST 2015	PASS	View Log TraceLog_300315_043701_658.txt
9	E1_1060_TH_VTN_1	Mon Mar 30 16:40:25 KST 2015	PASS	View Log TraceLog_300315_044025_381.txt
10	E1_1065_TH_VTN_1	Mon Mar 30 16:42:14 KST 2015	NA	View Log TraceLog_300315_044214_854.txt
11	E1_1070_TH_VTN_1	Mon Mar 30 16:42:36 KST 2015	PASS	View Log TraceLog_300315_044236_858.txt
12	E1_1080_TH_VTN_1	Mon Mar 30 16:43:33 KST 2015	PASS	View Log TraceLog_300315_044333_804.txt

4.1.5 EiEvent Ported A Profile

No	Test Case Name	Date	Result	Log
1	A_E1_0020_TH_VTN_1	Mon Mar 30 12:57:25 KST 2015	PASS	View Log TraceLog_300315_125725_734.txt
2	A_E1_0040_TH_VTN_1	Mon Mar 30 12:59:49 KST 2015	PASS	View Log TraceLog_300315_125949_104.txt
3	A_E1_0060_TH_VTN_1	Mon Mar 30 13:01:02 KST 2015	PASS	View Log TraceLog_300315_010102_027.txt
4	A_E1_0070_TH_VTN_1	Mon Mar 30 13:02:08 KST 2015	PASS	View Log TraceLog_300315_010208_878.txt
5	A_E1_0082_TH_VTN_1	Mon Mar 30 13:04:02 KST 2015	PASS	View Log TraceLog_300315_010402_875.txt
6	A_E1_0086_TH_VTN_1	Mon Mar 30 13:05:23 KST 2015	PASS	View Log TraceLog_300315_010523_481.txt
7	A_E1_0090_TH_VTN_1	Mon Mar 30 13:06:40 KST 2015	PASS	View Log TraceLog_300315_010640_327.txt
8	A_E1_0092_TH_VTN_1	Mon Mar 30 13:10:48 KST 2015	PASS	View Log TraceLog_300315_011048_279.txt
9	A_E1_0094_TH_VTN_1	Mon Mar 30 13:18:34 KST 2015	PASS	View Log TraceLog_300315_011834_537.txt
10	A_E1_0096_TH_VTN_1	Mon Mar 30 13:19:37 KST 2015	PASS	View Log TraceLog_300315_011937_057.txt
11	A_E1_0098_TH_VTN_1	Mon Mar 30 13:15:59 KST 2015	PASS	View Log TraceLog_300315_011559_859.txt
12	A_E1_0100_TH_VTN_1	Mon Mar 30 13:21:08 KST 2015	PASS	View Log TraceLog_300315_012108_038.txt
13	A_E1_0102_TH_VTN_1	Mon Mar 30 13:22:35 KST 2015	PASS	View Log TraceLog_300315_012235_867.txt
14	A_E1_0104_TH_VTN_1	Mon Mar 30 13:23:51 KST 2015	PASS	View Log TraceLog_300315_012351_427.txt
15	A_E1_0110_TH_VTN_1	Mon Mar 30 13:25:05 KST 2015	PASS	View Log TraceLog_300315_012505_454.txt
16	A_E1_0130_TH_VTN_1	Mon Mar 30 13:26:08 KST 2015	PASS	View Log TraceLog_300315_012608_988.txt
17	A_E1_0180_TH_VTN_1	Mon Mar 30 13:28:43 KST 2015	PASS	View Log TraceLog_300315_012843_134.txt

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18	A_E1_0190_TH_VTN_1	Mon Mar 30 13:30:16 KST 2015	PASS	View Log TraceLog_300315_013016_474.txt
19	A_E1_0200_TH_VTN_1	Mon Mar 30 13:33:01 KST 2015	PASS	View Log TraceLog_300315_013301_588.txt
20	A_E1_0210_TH_VTN_1	Mon Mar 30 13:38:00 KST 2015	PASS	View Log TraceLog_300315_013800_390.txt
21	A_E1_0220_TH_VTN_1	Mon Mar 30 13:43:41 KST 2015	PASS	View Log TraceLog_300315_014341_077.txt
22	A_E1_0230_TH_VTN_1	Mon Mar 30 13:51:32 KST 2015	PASS	View Log TraceLog_300315_015132_824.txt
23	A_E1_0240_TH_VTN_1	Mon Mar 30 13:58:55 KST 2015	PASS	View Log TraceLog_300315_015855_954.txt
24	A_E1_0250_TH_VTN_1	Mon Mar 30 14:02:29 KST 2015	PASS	View Log TraceLog_300315_020229_758.txt
25	A_E1_0260_TH_VTN_1	Mon Mar 30 14:06:55 KST 2015	PASS	View Log TraceLog_300315_020655_839.txt
26	A_E1_0262_TH_VTN_1	Mon Mar 30 14:19:25 KST 2015	PASS	View Log TraceLog_300315_021925_046.txt
27	A_E1_0267_TH_VTN_1	Mon Mar 30 14:32:26 KST 2015	PASS	View Log TraceLog_300315_023226_486.txt
28	A_E1_0268_TH_VTN_1	Mon Mar 30 14:37:31 KST 2015	PASS	View Log TraceLog_300315_023731_531.txt
29	A_E1_0270_TH_VTN_1	Mon Mar 30 15:47:53 KST 2015	PASS	View Log TraceLog_300315_034753_109.txt
30	A_E1_0280_TH_VTN_1	Mon Mar 30 15:51:59 KST 2015	PASS	View Log TraceLog_300315_035159_993.txt
31	A_E1_0285_TH_VTN_1	Mon Mar 30 15:55:43 KST 2015	PASS	View Log TraceLog_300315_035543_630.txt
32	A_E1_0300_TH_VTN_1	Mon Mar 30 15:57:49 KST 2015	PASS	View Log TraceLog_300315_035749_249.txt
33	A_E1_0310_TH_VTN_1	Mon Mar 30 16:00:25 KST 2015	PASS	View Log TraceLog_300315_040025_621.txt
34	A_E1_0325_TH_VTN_1	Mon Mar 30 16:03:07 KST 2015	PASS	View Log TraceLog_300315_040307_906.txt
35	A_E1_0340_TH_VTN_1	Mon Mar 30 16:04:40 KST 2015	PASS	View Log TraceLog_300315_040440_651.txt
36	A_E1_0345_TH_VTN_1	Mon Mar 30 16:08:25 KST 2015	PASS	View Log TraceLog_300315_040825_993.txt
37	A_E1_0360_TH_VTN_1	Mon Mar 30 16:11:04 KST 2015	PASS	View Log TraceLog_300315_041104_804.txt
38	A_E1_0370_TH_VTN_1	Mon Mar 30 16:13:09 KST 2015	PASS	View Log TraceLog_300315_041309_356.txt
39	A_E1_0390_TH_VTN_1	Mon Mar 30 16:15:48 KST 2015	PASS	View Log TraceLog_300315_041548_170.txt
40	A_E1_0392_TH_VTN_1	Mon Mar 30 16:17:14 KST 2015	PASS	View Log TraceLog_300315_041714_388.txt

4.1.6 General Tests

No	Test Case Name	Date	Result	Log
1	G1_4005_TH_VTN_1	Fri Apr 03 16:49:31 KST 2015	PASS	View Log TraceLog_030415_044931_672.txt
2	G1_4015_TH_VTN_1	Tue Mar 31 13:58:41 KST 2015	PASS	View Log TraceLog_310315_015841_778.txt

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 PC

