

<b>Prüfbericht - Nr.:</b> 50029032 001 <i>Test Report No.</i>		Seite Page		1	von of	9
<b>Auftraggeber:</b> <i>Client:</i>	NAODIGITAL 1106, KOLON Digital Tower Billant, 222-7, Guro-Dong, Gugo-Gu, Seoul, 152-050, Korea					
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	Smart Energy Core Gateway					
<b>Bezeichnung:</b> <i>Identification:</i>	SMD-3000	<b>Order-Nr.:</b> <i>Order No.</i>	133041495			
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	A000180669	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	2015-04-27			
<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 2.0b Certification Test Specification v1.0.6					
<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>				
						
29.Apr.2015 YoungJu Yoon/ Proj.Engineer		29.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: 133041495  
Hardware version: N/A  
Firmware version: V1.0

### 1.2 General EUT Description

Equipment under test: see page 1

### 1.3 Type of Product

Product type: VEN  
OpenADR profile: 2.0b  
Mode: Push  
Transport: XMPP Only  
Security: Standard Security

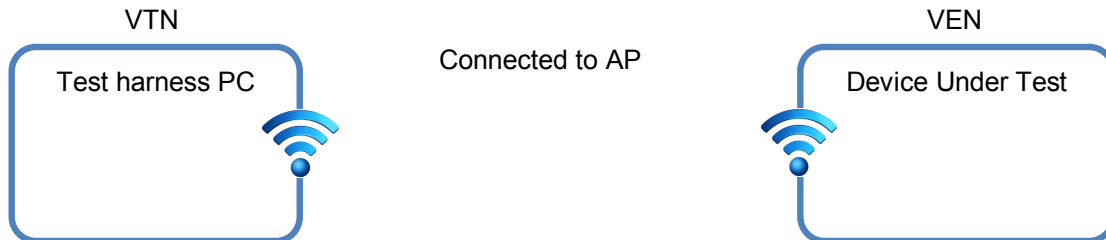
## 2. Testing Laboratory

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

## 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 VEN Push XMPP Tests

#### 4.1.1 EiRegisterParty Service

No.	Test Case	Date	Result	Log
1	N0_5010_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_102651_478.txt
2	N0_5015_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_103103_598.txt
3	N0_5020_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_102243_924.txt
4	N0_5025_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_102928_736.txt
5	N0_5030_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_102508_348.txt
6	N0_5040_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_104105_878.txt
7	N0_5050_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_103243_851.txt
8	N0_5060_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_103357_738.txt
9	N0_5065_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_103614_801.txt
10	N0_5070_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_081532_635.txt
11	N0_5080_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_104200_863.txt

#### 4.1.2 EiOpt Service

No.	Test Case	Date	Result	Log
1	P0_7010_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_104406_380.txt
2	P0_7015_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_104900_331.txt
3	P0_7020_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_105016_380.txt
4	P0_7030_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_105211_685.txt
5	P0_7040_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_105348_557.txt
6	P0_7050_TH_VTN_1	Apr / 27 / 2015	NA	View Log TraceLog_270415_105654_054.txt

#### 4.1.3 EiReport Service

No.	Test Case	Date	Result	Log
1	R0_8010_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_105735_340.txt
2	R0_8020_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_105909_156.txt
3	R0_8025_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_111009_900.txt
4	R0_8027_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_112510_608.txt
5	R0_8030_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_112959_271.txt
6	R0_8040_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_113218_608.txt
7	R0_8045_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_124142_309.txt
8	R0_8050_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_124349_731.txt
9	R0_8060_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_124511_660.txt
10	R0_8130_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_124709_829.txt
11	R0_8140_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_124837_405.txt
12	R0_8150_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_125053_791.txt
13	R0_8160_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_125214_939.txt
14	R0_8170_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_125626_413.txt
15	R0_8180_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_125819_980.txt
16	R0_8190_TH_VTN	Apr / 28 / 2015	PASS	View Log TraceLog_280415_123936_119.txt

#### 4.1.4 EiEvent Service

No.	Test Case	Date	Result	Log
1	E0_6010_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_010306_927.txt
2	E0_6020_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_010421_249.txt
3	E0_6025_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_010536_538.txt
4	E0_6027_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_010733_809.txt
5	E0_6030_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_010918_598.txt
6	E0_6040_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011108_189.txt
7	E0_6050_TH_VTN_1	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011246_673.txt
8	E0_6055_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011421_001.txt
9	E0_6060_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011542_257.txt
10	E0_6065_TH_VTN	Apr / 27 / 2015	NA	View Log TraceLog_270415_011719_528.txt
11	E0_6070_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011806_352.txt
12	E0_6080_TH_VTN	Apr / 27 / 2015	PASS	View Log TraceLog_270415_011912_994.txt

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#### 4.1.5 EiEvent Ported A Profile

No.	Test Case	Date	Result	Log
1	A_E0_0020_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_124652_233.txt
2	A_E0_0040_TH_VTN	Apr / 28 / 2015	PASS	View Log TraceLog_280415_124836_496.txt
3	A_E0_0060_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_124953_996.txt
4	A_E0_0070_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_125141_997.txt
5	A_E0_0082_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_125320_505.txt
6	A_E0_0086_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_125714_714.txt
7	A_E0_0090_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_125826_014.txt
8	A_E0_0092_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_010135_446.txt
9	A_E0_0094_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_010315_882.txt
10	A_E0_0096_TH_VTN	Apr / 28 / 2015	PASS	View Log TraceLog_280415_010447_971.txt
11	A_E0_0098_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_010911_726.txt
12	A_E0_0100_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_011045_589.txt
13	A_E0_0102_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_011724_107.txt
14	A_E0_0104_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_011922_724.txt
15	A_E0_0110_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012043_456.txt
16	A_E0_0130_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012202_352.txt
17	A_E0_0180_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012328_212.txt
18	A_E0_0185_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012630_754.txt
19	A_E0_0190_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012802_180.txt
20	A_E0_0200_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_012933_941.txt
21	A_E0_0210_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_081824_953.txt
22	A_E0_0220_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_082547_671.txt
23	A_E0_0230_TH_VTN	Apr / 29 / 2015	PASS	View Log TraceLog_290415_082957_137.txt
24	A_E0_0240_TH_VTN	Apr / 29 / 2015	PASS	View Log TraceLog_290415_085133_862.txt
25	A_E0_0250_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_052207_515.txt
26	A_E0_0260_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_090330_479.txt
27	A_E0_0262_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_092714_261.txt
28	A_E0_0267_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_111749_522.txt
29	A_E0_0268_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_125502_288.txt
30	A_E0_0270_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_045049_993.txt
31	A_E0_0280_TH_VTN_1	Apr / 29 / 2015	PASS	View Log TraceLog_290415_095903_585.txt
32	A_E0_0285_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_013354_866.txt
33	A_E0_0300_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_013512_319.txt
34	A_E0_0310_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_013618_912.txt
35	A_E0_0325_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_013736_591.txt
36	A_E0_0340_TH_VTN_1	Apr / 28 / 2015	PASS	View Log TraceLog_280415_013913_286.txt

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37	A_E0_0345_TH_VTN_1	Apr / 28 / 2015	PASS	<a href="#">View Log TraceLog_280415_014043_812.txt</a>
38	A_E0_0360_TH_VTN_1	Apr / 28 / 2015	PASS	<a href="#">View Log TraceLog_280415_014216_955.txt</a>
39	A_E0_0370_TH_VTN_1	Apr / 29 / 2015	PASS	<a href="#">View Log TraceLog_290415_100147_700.txt</a>
40	A_E0_0390_TH_VTN_1	Apr / 28 / 2015	PASS	<a href="#">View Log TraceLog_280415_014408_065.txt</a>
41	A_E0_0392_TH_VTN_1	Apr / 28 / 2015	PASS	<a href="#">View Log TraceLog_280415_014514_686.txt</a>

#### 4.1.6 General Tests

No.	Test Case	Date	Result	Log
1	G0_9005_TH_VTN	Apr / 27 / 2015	PASS	<a href="#">View Log TraceLog_270415_014502_009.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 PC**

