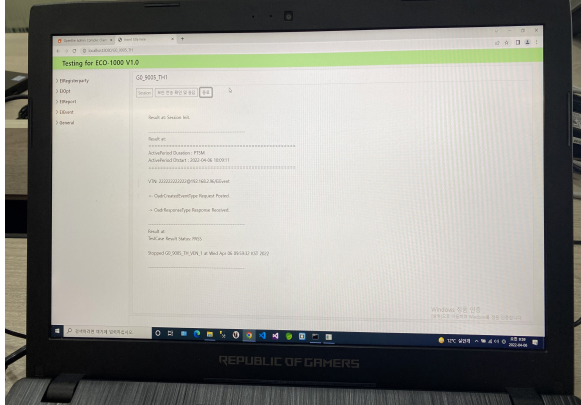


<b>Prüfbericht-Nr.:</b> <i>Test report no.:</i>	<b>KR22IB61 002</b>	<b>Auftrags-Nr.:</b> <i>Order no.:</i>	<b>156144377 10</b>	Seite 1 von 9 <i>Page 1 of 9</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client reference no.:</i>	2384460	<b>Auftragsdatum:</b> <i>Order date:</i>	2021-12-29	
<b>Auftraggeber:</b> <i>Client:</i>	ANC LAB CO.,LTD. #RoomNO 715. 11-41, Simin-daero 327beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea			
<b>Prüfgegenstand:</b> <i>Test item:</i>	ECO-iGENS			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type no.:</i>	ECO iGEN-AMI 3000A			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Test Report			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	OpenADR 2 0b Test Specification v1.1.5			
<b>Wareneingangsdatum:</b> <i>Date of sample receipt:</i>	2022-01-20			
<b>Prüfmuster-Nr.:</b> <i>Test sample no.:</i>	A003203828			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	2022-01-20 ~ 2022-04-06			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	TUV Rheinland Korea Ltd. Seoul			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TUV Rheinland Korea Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von:</b> <i>compiled by:</i>	<b>genehmigt von:</b> <i>authorized by:</i>			
<b>Datum:</b> <i>Date:</i> 2022-04-11	YoungJu Yoon	<b>Ausstellungsdatum:</b> <i>Issue date:</i> 2022-04-11	Gwang-Hyeon Ryu	
<b>Stellung / Position:</b>	Sachverständige(r)/Expert	<b>Stellung / Position:</b>	Sachverständige(r)/Expert	
<b>Sonstiges / Other:</b>	Prototype SW tool, developed for testing purpose only			
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar 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				
<p><b>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.</b> <i>This test report only relates to the a. m. test sample. 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.</i></p>				

V05

<b>Revisions</b>		
<b>Report No.</b>	<b>Issue date</b>	<b>Change / Remarks</b>
KR22IB61 001	2022-02-23	Generate test report
KR22IB61 002	2022-04-11	changed the test application of DUT, re-test

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# 1. Testing Laboratory

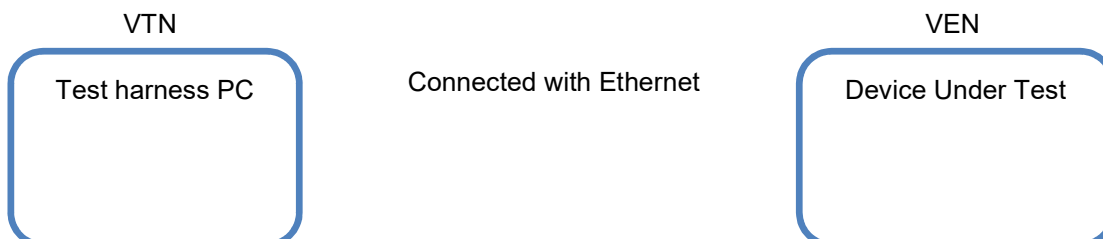
## 1.1 ATL information

<b>NAME:</b>	TÜV RHEINLAND KOREA LTD.
<b>Address</b>	2F, N-Tower, Semicolon Mullaee, 25, Mullaee-ro 28-gil, Yeongdeungpo-gu, Seoul, 07298, Rep. of Korea
<b>City:</b>	Seoul
<b>Postal code:</b>	07298
<b>Country:</b>	South Korea
<b>Telephone:</b>	+82 2 860 9860
<b>Fax:</b>	+82 2 860 9861
<b>URL:</b>	<a href="http://www.kor.tuv.com">http://www.kor.tuv.com</a>
<b>E-mail:</b>	Info@kor.tuv.com

## 1.2 Test Equipment

GTEM	Instrument	Manufacturer	Model Number	Version/Errata
1806727	Test tool	QualityLogic	OpenADR2.0bCertTest	1.1.5

## 1.3 Test Setup



## 2. General Product Information

### 2.1 Client information

<b>NAME:</b>	ANC LAB CO.,LTD.
<b>Address:</b>	#RoomNO 715. 11-41, Simin-daero 327beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea
<b>Telephone:</b>	+82 31 360 6279
<b>Contact person:</b>	HO-SUCK JUNG
<b>e-mail:</b>	Anc9988231@naver.com

### 2.2 DUT information

<b>PRODUCT NAME:</b>	ECO iGEN-AMI 3000A
<b>HW version:</b>	V1.0
<b>SW version:</b>	V1.0
<b>Product type:</b>	VEN
<b>OpenADR profile:</b>	2.0b
<b>Test Mode:</b>	Push
<b>Transport:</b>	XMPP
<b>Security:</b>	Standard

## 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 Pull Tests

#### 4.1.1 EiRegisterParty Service

No.	Test Cass	Date	Result	Log
1	N0_5010_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_091748_474.txt
2	N0_5015_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_094001_759.txt
3	N0_5020_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_091556_686.txt
4	N0_5025_TH_VTN_1	Feb / 22 / 2022	PASS	View Log TraceLog_022222_094824_873.txt
5	N0_5030_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_091708_732.txt
6	N0_5040_TH_VTN	Jan / 25 / 2022	PASS	View Log TraceLog_012522_095523_134.txt
7	N0_5050_TH_VTN	Jan / 25 / 2022	PASS	View Log TraceLog_012522_094122_317.txt
8	N0_5060_TH_VTN_1	Feb / 22 / 2022	PASS	View Log TraceLog_022222_095008_319.txt
9	N0_5065_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_095217_393.txt
10	N0_5070_TH_VTN_1	Jan / 22 / 2022	PASS	View Log TraceLog_022222_141644_313.txt
11	N0_5080_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_095627_004.txt

#### 4.2.2 EiOpt Service

No.	Test Cass	Date	Result	Log
1	P0_7010_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_092059_352.txt
2	P0_7015_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_140518_898.txt
3	P0_7020_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_092152_488.txt
4	P0_7030_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_092324_527.txt
5	P0_7040_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_140944_116.txt
6	P0_7050_TH_VTN_1	Jan / 20 / 2022	NA	View Log TraceLog_012022_141129_398.txt

#### 4.2.3 EiReport Service

No.	Test Cass	Date	Result	Log
1	R0_8010_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_092500_301.txt
2	R0_8020_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_141504_236.txt
3	R0_8025_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_141814_449.txt

4	R0_8027_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_092610_285.txt
5	R0_8030_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_142919_869.txt
6	R0_8040_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093009_347.txt
7	R0_8045_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_143518_699.txt
8	R0_8050_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093137_547.txt
9	R0_8060_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_144331_500.txt
10	R0_8070_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_144505_647.txt
11	R0_8080_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_144815_921.txt
12	R0_8090_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_145035_287.txt
13	R0_8100_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_145349_889.txt
14	R0_8120_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_145541_153.txt
15	R0_8130_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093319_692.txt
16	R0_8150_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093430_745.txt
17	R0_8160_TH_VTN	Feb / 22 / 2022	PASS	View Log TraceLog_022222_100856_290.txt
18	R0_8170_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093601_703.txt
19	R0_8180_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_150859_737.txt
20	R0_8190_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_151034_371.txt

#### 4.2.4 EiEvent Service

No.	Test Cass	Date	Result	Log
1	E0_6010_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093724_219.txt
2	E0_6020_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093753_708.txt
3	E0_6025_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_151856_785.txt
4	E0_6027_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_152157_357.txt
5	E0_6030_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_093913_383.txt
6	E0_6040_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_152636_541.txt
7	E0_6050_TH_VTN_1	Jan / 20 / 2022	PASS	View Log TraceLog_012022_153010_877.txt
8	E0_6055_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094031_941.txt
9	E0_6060_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_153414_189.txt
10	E0_6065_TH_VTN	Jan / 20 / 2022	NA	View Log TraceLog_012022_153530_942.txt
11	E0_6070_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094133_357.txt
12	E0_6080_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_153737_976.txt
13	E0_6090_TH_VTN	Feb / 22 / 2022	PASS	View Log TraceLog_022222_101725_819.txt

#### 4.2.5 EiEvent Ported A Profile

No.	Test Cass	Date	Result	Log
1	A_E0_0020_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094228_048.txt
2	A_E0_0040_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094416_483.txt
3	A_E0_0060_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_134710_949.txt

4	A_E0_0070_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_134817_414.txt
5	A_E0_0082_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094527_046.txt
6	A_E0_0086_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094631_365.txt
7	A_E0_0090_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_110715_406.txt
8	A_E0_0092_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_110849_978.txt
9	A_E0_0094_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_111008_415.txt
10	A_E0_0096_TH_VTN	Jan / 25 / 2022	PASS	View Log TraceLog_012522_111144_223.txt
11	A_E0_0098_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_111409_366.txt
12	A_E0_0100_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094817_505.txt
13	A_E0_0102_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_094921_503.txt
14	A_E0_0104_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_112519_276.txt
15	A_E0_0110_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095031_256.txt
16	A_E0_0130_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_112738_246.txt
17	A_E0_0180_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095130_199.txt
18	A_E0_0185_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_113126_771.txt
19	A_E0_0190_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_131142_722.txt
20	A_E0_0200_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_131529_474.txt
21	A_E0_0210_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095242_000.txt
22	A_E0_0220_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_135316_763.txt
23	A_E0_0230_TH_VTN	Jan / 25 / 2022	PASS	View Log TraceLog_012522_135543_182.txt
24	A_E0_0240_TH_VTN	Jan / 25 / 2022	PASS	View Log TraceLog_012522_140253_752.txt
25	A_E0_0250_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_140557_941.txt
26	A_E0_0260_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095410_981.txt
27	A_E0_0262_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_141120_793.txt
28	A_E0_0267_TH_VTN_1	Feb / 22 / 2022	PASS	View Log TraceLog_022222_102621_462.txt
29	A_E0_0268_TH_VTN_1	Feb / 22 / 2022	PASS	View Log TraceLog_022222_104609_737.txt
30	A_E0_0270_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_143301_105.txt
31	A_E0_0280_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_143643_961.txt
32	A_E0_0285_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_131852_889.txt
33	A_E0_0300_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_132239_801.txt
34	A_E0_0340_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_132454_462.txt
35	A_E0_0345_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_132904_833.txt
36	A_E0_0360_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_133009_485.txt
37	A_E0_0370_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_133118_418.txt
38	A_E0_0390_TH_VTN_1	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095733_244.txt
39	A_E0_0392_TH_VTN_1	Jan / 25 / 2022	PASS	View Log TraceLog_012522_134553_100.txt

#### 4.2.6 General Tests

No.	Test Cass	Date	Result	Log
1	G0_9005_TH_VTN	Apr / 06 / 2022	PASS	View Log TraceLog_040622_095904_941.txt
2	G0_9010_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_155201_058.txt
3	G0_9030_TH_VTN	Jan / 20 / 2022	PASS	View Log TraceLog_012022_160227_120.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

### Test harness PC



### Test Device

