



Taiwan Testing and Certification Center

Information and Communication Technology Service Lab.

No.8, Ln. 29, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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Test Report No : 22-10-CAV-005-01

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Taiwan Testing and Certification Center

OpenADR Test Report

Product Name : RCEC-ESDRC




Taiwan Testing and Certification Center

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1. Test Report Summary

Test Report No		22-10-CAV-005-01
Test specification		<ul style="list-style-type: none"> OpenADR 2.0a Certification Test Specification Version 1.1.2 OpenADR 2.0b Certification Test Specification Version 1.1.2
Client Name		National Taipei University of Technology
Client Address		1, Sec. 3, Zhongxiao E. Rd., Taipei 10608 Taiwan
DUT Information	Product Name	RCEC-ESDRC
	Product Model Number	RCEC-ESDRC
	Product Type	<input type="checkbox"/> VTN <input checked="" type="checkbox"/> VEN
	Hardware Version	na
	Firmware Version	1.0
	OpenADR Profile	<input checked="" type="checkbox"/> 2.0a <input type="checkbox"/> 2.0b
	Security	<input type="checkbox"/> ECC <input checked="" type="checkbox"/> RSA
	Transport Protocol	<input checked="" type="checkbox"/> Simple HTTP <input type="checkbox"/> XMPP
	Pull and Push Mode	<input checked="" type="checkbox"/> Pull Mode <input type="checkbox"/> Push Mode
Test result		<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Inconclusive _____
Date of Sample Receipt		2022/10/31
Date of Testing Start		2022/10/31
Date of Testing Finish		2023/1/30
Testing Laboratory		Taiwan Testing and Certification Center
Note		This test report only relates to the test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts.

Test by :	Reviewed by :	Approved by :
Albere Hsieh	Roy Lin	
Date of Issue : Jan. 30, 2023		

2. Test Environment

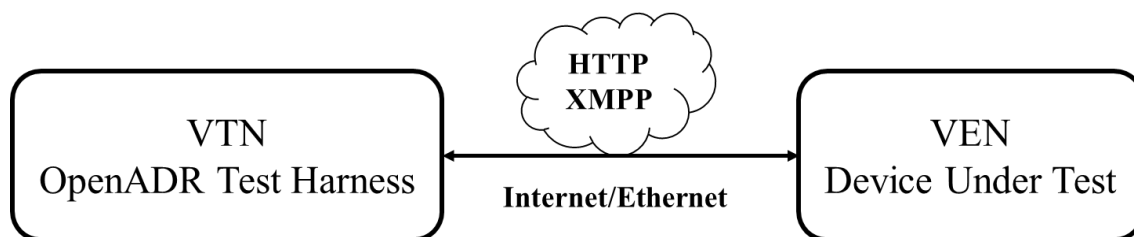
2.1 Testing Laboratory

- Lab name: Taiwan Testing and Certification Center
Information and Communication Technology Service Lab.
- Address: No.8, Ln. 29, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

2.2 Test Equipment

- OpenADR 2.0 A & B Test Harness
 - QualityLogic OpenADR2.0aCertTest - v1.1.6
 - QualityLogic OpenADR2.0bCertTest - v1.1.6

2.3 Test Setup



3. Test Results Summary

3.1 Summary Test Result

DUT Test Profile:
2.0a VEN Pull Mode Tests: Passed

3.2 Test Result Date Table

Table 1 、 Pull Mode Test Result

No.	Test Case Name	Result	Log
Event Test Scenarios			
01	E1_0020_TH_VTN	PASS	TraceLog_111022_163736_866.txt
02	E1_0040_TH_VTN	PASS	TraceLog_103122_150150_558.txt
03	E1_0060_TH_VTN	PASS	TraceLog_103122_150256_190.txt
04	E1_0070_TH_VTN	PASS	TraceLog_112322_161351_937.txt
05	E1_0082_TH_VTN	PASS	TraceLog_112322_160648_969.txt
06	E1_0086_TH_VTN	PASS	TraceLog_103122_151239_600.txt
07	E1_0090_TH_VTN	PASS	TraceLog_103122_151722_603.txt
08	E1_0092_TH_VTN	PASS	TraceLog_103122_152235_570.txt
09	E1_0094_TH_VTN	PASS	TraceLog_111022_183614_786.txt
10	E1_0096_TH_VTN	PASS	TraceLog_103122_153149_320.txt
11	E1_0098_TH_VTN	PASS	TraceLog_103122_153707_695.txt
12	E1_0100_TH_VTN	PASS	TraceLog_111022_161405_124.txt
13	E1_0102_TH_VTN	PASS	TraceLog_103122_153906_728.txt
14	E1_0104_TH_VTN	PASS	TraceLog_103122_153949_844.txt
15	E1_0110_TH_VTN	PASS	TraceLog_103122_154045_705.txt
16	E1_0130_TH_VTN	PASS	TraceLog_103122_154213_734.txt
17	E1_0180_TH_VTN	PASS	TraceLog_103122_154249_283.txt
18	E1_0190_TH_VTN	PASS	TraceLog_103122_154403_065.txt
19	E1_0200_TH_VTN	PASS	TraceLog_103122_154519_628.txt
20	E1_0210_TH_VTN	PASS	TraceLog_103122_160324_963.txt
21	E1_0220_TH_VTN	PASS	TraceLog_111022_184914_622.txt
22	E1_0230_TH_VTN	PASS	TraceLog_103122_162739_657.txt
23	E1_0240_TH_VTN	PASS	TraceLog_103122_164642_239.txt
24	E1_0250_TH_VTN	PASS	TraceLog_103122_164905_648.txt
25	E1_0260_TH_VTN	PASS	TraceLog_112322_131851_755.txt
26	E1_0262_TH_VTN	PASS	TraceLog_112322_142636_990.txt
27	E1_0267_TH_VTN	PASS	TraceLog_122822_114527_146.txt
28	E1_0268_TH_VTN	PASS	TraceLog_122822_104245_623.txt
29	E1_0270_TH_VTN	PASS	TraceLog_112322_145820_945.txt
30	E1_0280_TH_VTN	PASS	TraceLog_112322_150752_949.txt
31	E1_0285_TH_VTN	PASS	TraceLog_110122_135950_257.txt
32	E1_0292_TH_VTN	PASS	TraceLog_110122_140102_301.txt
33	E1_0297_TH_VTN	PASS	TraceLog_112322_125534_779.txt
34	E1_0300_TH_VTN	PASS	TraceLog_110122_140536_925.txt
35	E1_0310_TH_VTN	PASS	TraceLog_110122_140621_644.txt
36	E1_0320_TH_VTN	PASS	TraceLog_112322_125245_838.txt

37	E1_0340_TH_VTN	PASS	TraceLog_110122_141125_559.txt
38	E1_0345_TH_VTN	PASS	TraceLog_110122_143517_269.txt
39	E1_0360_TH_VTN	PASS	TraceLog_112322_125407_640.txt
40	E1_0370_TH_VTN	PASS	TraceLog_112322_130042_225.txt
41	E1_0384_TH_VTN	PASS	TraceLog_110122_143650_819.txt
42	E1_0390_TH_VTN	PASS	TraceLog_110122_143805_964.txt
43	E1_0392_TH_VTN	PASS	TraceLog_110122_143853_391.txt
Transport Test Scenarios			
01	T9_1200	PASS	TraceLog_110322_141830_898.txt
02	T9_1210	PASS	TraceLog_112322_160403_746.txt
Security Test Scenarios			
01	S1_1400_TH_VTN	PASS	TraceLog_112322_161106_317.txt
02	S1_1405_TH_VTN	PASS	TraceLog_112322_160903_704.txt

※ The test result indicates “NA” that means the test cases are optional or not applicable to the tested device.

※ The test result indicates “SKIP” that means the PICS test case guidelines allowed test case to be skipped.

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

4. Photos

Photo: DUT FIC VEN

```

pi@raspberrypi: ~/openadr_ven
login as: pi
pi@192.168.50.149's password:
Linux raspberrypi 5.10.17-v7+ #1414 SMP Fri Apr 30 13:18:35 BST 2021 armv7l

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
last login: Fri Dec 30 12:28:53 2022 from 192.168.50.195
pi@raspberrypi:~$ cd openadr_ven
pi@raspberrypi:~/openadr_ven$ python poll_runner.py
2023-01-06 09:51:38,914 Testing HTTP Transmissions
2023-01-06 09:51:38,952 Database 'oadr2.db' is setup.
2023-01-06 09:51:38,956 Created base handler.
2023-01-06 09:51:38,961 ++++++ QADR2 module started ++++++
2023-01-06 09:51:38,977 ----Running-----

2023-01-06 09:51:38,981 ----Request Start!!!----
2023-01-06 09:51:38,982 Request to: http://220.128.241.219:8082/OpenADR2/Simple
/EiEvent
2023-01-06 09:51:43,957 All Signal Information!!!
2023-01-06 09:51:43,965 Ignoring event 455a75121c16adc7ca4e ----> no target match
2023-01-06 09:51:43,994 Network error: <urlopen error timed out>

2023-01-06 09:51:53,998 ----Request Start!!!----
2023-01-06 09:51:53,999 Request to: http://220.128.241.219:8082/OpenADR2/Simple/EiEvent
2023-01-06 09:51:59,007 Network error: <urlopen error timed out>

2023-01-06 09:52:09,010 ----Request Start!!!----
2023-01-06 09:52:09,012 Request to: http://220.128.241.219:8082/OpenADR2/Simple/EiEvent

pi@raspberrypi:~/openadr_ven
2023-01-06 10:09:02,467 Signal 1 : ('PTIM', '0', 'moderate', 'simple', 'level')
2023-01-06 10:09:02,468 Signal 2 : ('PTIM', '1', 'moderate', 'simple', 'level')
2023-01-06 10:09:02,469 Signal 3 : ('PTIM', '2', 'high', 'simple', 'level')
2023-01-06 10:09:02,471 Event Event010623_100857_907_0(0) has not started yet.
2023-01-06 10:09:09,746 ----Request Start!!!----
2023-01-06 10:09:09,747 Request to: http://220.128.241.219:8082/OpenADR2/Simple/EiEvent
2023-01-06 10:09:10,055 Response Code:200

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2023-01-06 10:09:10,066 We have an Event!!!!
2023-01-06 10:09:10,067 =====Event Information!!!=====
2023-01-06 10:09:10,068 Event ID:Event010623_100857_907_0
2023-01-06 10:09:10,070 Modification Number:0
2023-01-06 10:09:10,071 Response required: always
2023-01-06 10:09:10,072 Event Status:far
2023-01-06 10:09:10,073 Event Start Time:2023-01-06 02:10:57
2023-01-06 10:09:10,074 Event Start After Time:None
2023-01-06 10:09:10,075 Event Duration Time:PT3M
2023-01-06 10:09:10,077 =====Signal Information!!!=====
2023-01-06 10:09:10,078 Signal Name:simple
2023-01-06 10:09:10,079 Signal Type:level
2023-01-06 10:09:10,080 Current Signal Value:0.0
2023-01-06 10:09:10,185 Signal Duration Time:None
2023-01-06 10:09:10,206 =====Opt Information!!!=====
2023-01-06 10:09:10,212 Opt Status:optIn

-----
2023-01-06 10:09:10,221 Reply to: http://220.128.241.219:8082/OpenADR2/Simple/EiEvent
2023-01-06 10:09:10,251 All Signal Information!!!
2023-01-06 10:09:10,262 Signal 1 : ('PTIM', '0', 'moderate', 'simple', 'level')
2023-01-06 10:09:10,263 Signal 2 : ('PTIM', '1', 'moderate', 'simple', 'level')
2023-01-06 10:09:10,264 Signal 3 : ('PTIM', '2', 'high', 'simple', 'level')

```