



Technical Information Service Report

TIS Report: 80311616

Date: August 18, 2026

CLIENT: AUX AIR CONDITIONER CO., LTD.
1166 North Mingguang Road, Jiangshan, Yinzhou
Ningbo, Zhejiang 315191
China

Attention: Qinyu Kang

Issued by: Xueji Dong

SUBJECT: Custom test to cloud platform according to OpenADR2.0b. Product Type VEN

APPLICABLE REQUIREMENTS:

1. OpenADR 2.0 Profile Specification B Profile V1.1
2. OpenADR 2.0b Certification Test Specification V1.1.7

ASSESSMENT:

Please supply a copy of this information when filing an application for CSA Certification related to the SUBJECT, as it may aid the investigation.

Test Summary

OpenADR 2.0b is an application layer message exchange specification used for two-way communication of Demand Response (DR), price, and Distributed Energy Resource (DER) signals between the electricity service provider and its customers. The scope of the test cases will focus on validating the successful exchange of messages between VTNs and VENs, validating that any exceptions are handled gracefully and without service interruptions and that security mechanisms are properly implemented. Validating the functional behavior of the DUT in response to payload content is out of scope for the certification tests.

THIS REPORT DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS.

The completion of this form does not imply certification or approval of the "SUBJECT" product nor any features or components thereof.

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Device(s) Identification

Device under test Information:

AUX home IOT platform integrates OpenADR 2.0b VEN Client, enabling ACs to join grid demand response. App receives signals, AC auto-adjusts.

The main parameters are as follows:

Product Manufacturer	AUX AIR CONDITIONER CO., LTD.
Product Name	AUX home IOT platform
Product Model Number	N/A
Product Type	VEN
Firmware Version	7.2.0
OpenADR Profile	2.0b
Security	ECC
Transport Protocol	Simple HTTP
Pull/Push Mode	Pull Mode

Test Tool information:

Tool Company	QualityLogic
Tool Name	OpenADR2.0 A&B Test Harness
Tool Version	V1.1.7

2.Test Configuration

Test Setup



Test Procedures

The device under test is software implementation of OpenADR protocol installed on Cloud. The test had been completed on August 12, 2026.

3. Test Result

Summary Convention

The following “Result” convention is used in this summary.

Result Items	Description
PASS	means the performed test was verified and that the tested device is conformant to the test specification.
SKIP	means the PICS test case guidelines allowed test case to be skipped
N/A	means the test cases are optional or not applicable to the tested device

Summary of Test Results

1. EiRegisterParty Service Test

No.	Test Case Name	Test Result
1	N1 0010 TH VTN1	PASS
2	N1 0015 TH VTN1	PASS
3	N1 0020 TH VTN1	PASS
4	N1 0025 TH VTN1	PASS
5	N1 0030 TH VTN1	PASS
6	N1 0040 TH VTN1	PASS
7	N1 0050 TH VTN1	PASS
8	N1 0060 TH VTN1	PASS
9	N1 0065 TH VTN1	PASS
10	N1 0070 TH VTN1	PASS
11	N1 0080 TH VTN1	N/A – Pull mode

2. General Test

No.	Test Case Name	Test Result
1	G1 4005 TH VTN 1	PASS
2	G1 4007 TH VTN 1	PASS
3	G1 4010 TH VTN 1	PASS
4	G1 4011 TH VTN 1	N/A - selftest routine only
5	G1 4012 TH VTN 1	PASS
6	G1 4015 TH VTN 1	PASS
7	G1 4030 TH VTN 1	PASS

3. EiOpt Service Test

No.	Test Case Name	Test Result
1	P1 2010 TH VTN 1	PASS
2	P1 2015 TH VTN 1	PASS
3	P1 2020 TH VTN 1	PASS
4	P1 2030 TH VTN 1	PASS
5	P1 2040 TH VTN 1	PASS
6	P1 2050 TH VTN 1	PASS

4. EiReport Service Test

No.	Test Case Name	Test Result
1	R1 3010 TH VTN 1	PASS
2	R1 3020 TH VTN 1	PASS
3	R1 3025 TH VTN 1	PASS
4	R1 3027 TH VTN 1	PASS
5	R1 3030 TH VTN 1	PASS
6	R1 3040 TH VTN 1	PASS
7	R1 3045 TH VTN 1	PASS
8	R1 3050 TH VTN 1	PASS
9	R1 3060 TH VTN 1	N/A
10	R1 3070 TH VTN 1	PASS
11	R1 3080 TH VTN 1	PASS
12	R1 3090 TH VTN 1	PASS
13	R1 3100 TH VTN 1	PASS
14	R1 3120 TH VTN 1	N/A – No piggy back report
15	R1 3130 TH VTN 1	N/A – No HISTORY USAGE report
16	R1 3150 TH VTN 1	PASS
17	R1 3160 TH VTN 1	PASS
18	R1 3170 TH VTN 1	PASS
19	R1 3180 TH VTN 1	PASS
20	R1 3190 TH VTN 1	PASS

5. EiEvent Service Test

No.	Test Case Name	Test Result
1	E1 1010 TH VTN 1	PASS
2	E1 1020 TH VTN 1	PASS
3	E1 1025 TH VTN 1	PASS
4	E1 1027 TH VTN 1	PASS
5	E1 1030 TH VTN 1	PASS
6	E1 1040 TH VTN 1	PASS
7	E1 1050 TH VTN 1	PASS
8	E1 1055 TH VTN 1	PASS
9	E1 1060 TH VTN 1	PASS
10	E1 1065 TH VTN 1	PASS
11	E1 1070 TH VTN 1	PASS
12	E1 1080 TH VTN 1	PASS
13	E1 1090 TH VTN 1	PASS

6. EiEvent Ported A Profile Test

No.	Test Case Name	Test Result
1	A E1 0020 TH VTN 1	PASS
2	A E1 0040 TH VTN 1	PASS
3	A E1 0060 TH VTN 1	PASS
4	A E1 0070 TH VTN 1	PASS
5	A E1 0082 TH VTN 1	PASS
6	A E1 0086 TH VTN 1	PASS
7	A E1 0090 TH VTN 1	PASS

No.	Test Case Name	Test Result
8	A E1 0092 TH VTN 1	PASS
9	A E1 0094 TH VTN 1	PASS
10	A E1 0096 TH VTN 1	PASS
11	A E1 0098 TH VTN 1	PASS
12	A E1 0100 TH VTN 1	PASS
13	A E1 0102 TH VTN 1	PASS
14	A E1 0104 TH VTN 1	PASS
15	A E1 0110 TH VTN 1	PASS
16	A E1 0130 TH VTN 1	PASS
17	A E1 0180 TH VTN 1	PASS
18	A E1 0190 TH VTN 1	PASS
19	A E1 0200 TH VTN 1	PASS
20	A E1 0210 TH VTN 1	PASS
21	A E1 0220 TH VTN 1	PASS
22	A E1 0230 TH VTN 1	PASS
23	A E1 0240 TH VTN 1	PASS
24	A E1 0250 TH VTN 1	PASS
25	A E1 0260 TH VTN 1	PASS
26	A E1 0262 TH VTN 1	PASS
27	A E1 0267 TH VTN 1	PASS
28	A E1 0268 TH VTN 1	PASS
29	A E1 0270 TH VTN 1	PASS
30	A E1 0280 TH VTN 1	PASS
31	A E1 0285 TH VTN 1	PASS
32	A E1 0300 TH VTN 1	PASS
33	A E1 0310 TH VTN 1	PASS
34	A E1 0340 TH VTN 1	PASS
35	A E1 0345 TH VTN 1	PASS
36	A E1 0360 TH VTN 1	PASS
37	A E1 0370 TH VTN 1	PASS
38	A E1 0390 TH VTN 1	PASS
39	A E1 0392 TH VTN 1	PASS

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