

試験報告書番号: Test report no.:	JP26IJUY 001	申請受理番号: Order no.:	P02313673 (150327287)	頁 1 / 12 Page 1 / 12
申請者参照番号: Client reference no.:	N / A	申請日: Order date	2026-02-24	
申請者: Client:	Girasol Energy Inc. 7-3-1, Hongo, Bunkyo-Ku, Tokyo, JP			
試験品: Test item:	VEN			
識別表示 / 型名: Identification / Type no.:	VEN of J-EMS CLOUD / AGG-02			
申請内容: Order content:	OpenADR Certification Test			
適用した試験基準: Test specification:	OpenADR 2.0b Certification Test Specification Version 1.1.7			
サンプル受理日: Date of sample receipt:	2026-03-24	No product photo		
サンプル番号: Test sample no.:	A004234584-001			
試験期間: Testing period:	2026-03-24 ~ 2026-03-25			
試験場所: Place of testing:	TÜV Rheinland Japan Ltd. GTAC 4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Japan			
試験所: Testing laboratory:	TÜV Rheinland Japan Ltd.			
試験結果*: Test result*:	適合 / Pass			
試験者: tested by:		照査者: authorized by:		
日付: 2026-03-27 Date:	Atsuhiro Endo	発行日: 2026-03-27 Issue Date:	Norikazu Mizuki	
職位 / Position:	専門家 / Expert	職位 / Position:	専門家 / Expert	
備考 / Other:				
納品時の試験品の状態: Condition of the test item at delivery:	試験品は完全で破損はない Test item complete and undamaged			
*凡例: * Legend:	P(ass) = 適合 P(ass) = passed a.m. test specification(s)	F(ail) = 不適合 F(ail) = failed a.m. test specification(s)	N/A = 適用外 N/A = not applicable	N/T = 試験せず N/T = not tested
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備考  
Remarks

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4	<p>本試験報告書における適合性の判定ルールは、数値計測結果に基づき、本試験報告書の1ページ目に記載されている適用規格に別段の定めがなくまた顧客要求が無い限り、ILAC-G8:09/2019 および IEC Guide 115:2021 に準拠した「ゼロガードバンド規則」および「シンプルアクセプタンス」に基づいています。従って、測定の不確かさは考慮されず、また試験報告書にも表記していない。この判定ルールに起因するリスクに対する追加的情報に関しては ILAC G8:2019 を参照のこと。</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>

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## 1 General Product Information

### 1.1 Client Information

**Company Name:** see page 1  
**Address:** see page 1  
**Contact Person:** Katsuya Oda  
**Phone:** +81-70-2332-3341  
**E-mail:** oda.katsuya@pplc.co

### 1.2 General SUT Information

The system under test is software implementation of OpenADR protocol installed on Laptop.

**Serial Number:** N/A  
**Hardware Version:** N/A  
**Firmware version:** 1.3.2

### 1.3 General EUT Description

**Equipment under test:** see page 1

### 1.4 Profile

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

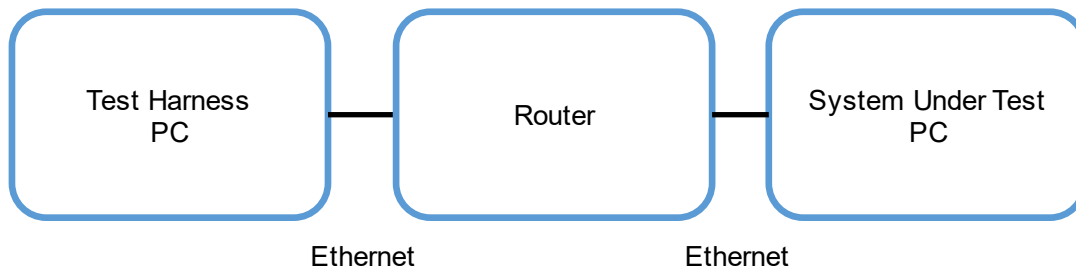
## 2 Testing Laboratory

see page 1

### 2.1 Test Equipment

Equipment ID	Model Product name	Manufacture	Category	Version
G1800528	OpenADR Test Harness for 2.0b	QualityLogic	Software	1.1.7
G1814316	Router / WXR-1750DHP	BUFFALO	Hardware	N/A

### 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 Japan 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 test result list of this test report means the performed test according to the test specification was verified and that the tested device is conformant to the specification. "Fail" means that the performed test according to the test specification was verified and the tested device is not conformant to the specification or that test didn't run to completion because the tested device is not conformant to the specification. "N/A" means the test cases are optional and/or not applicable to the tested device.

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## 4 Test Results

### 4.1 Profile 2.0b

#### 4.1.1 VEN Pull Tests

##### 4.1.1.1 EiRegisterParty Service

No.	Test Case Name	Date	Result
01	N1_0010_TH_VTN_1	Mar 24 2026	PASS
02	N1_0015_TH_VTN_1	Mar 24 2026	PASS
03	N1_0020_TH_VTN_1	Mar 24 2026	PASS
04	N1_0025_TH_VTN_1	Mar 24 2026	PASS
05	N1_0030_TH_VTN_1	Mar 24 2026	PASS
06	N1_0040_TH_VTN_1	Mar 24 2026	PASS
07	N1_0050_TH_VTN_1	Mar 24 2026	PASS
08	N1_0060_TH_VTN_1	Mar 24 2026	PASS
09	N1_0065_TH_VTN_1	Mar 24 2026	PASS
10	N1_0070_TH_VTN_1	Mar 24 2026	PASS
11	N1_0080_TH_VTN_1	N/A	N/A

##### 4.1.1.2 EiOpt Service

No.	Test Case Name	Date	Result
01	P1_2010_TH_VTN_1	Mar 24 2026	PASS
02	P1_2015_TH_VTN_1	Mar 24 2026	PASS
03	P1_2020_TH_VTN_1	Mar 24 2026	PASS
04	P1_2030_TH_VTN_1	Mar 24 2026	PASS
05	P1_2040_TH_VTN_1	Mar 24 2026	PASS
06	P1_2050_TH_VTN_1	N/A	N/A

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#### 4.1.1.3 EiReport Service

No.	Test Case Name	Date	Result
01	R1_3010_TH_VTN_1	Mar 24 2026	PASS
02	R1_3020_TH_VTN_1	Mar 24 2026	PASS
03	R1_3025_TH_VTN_1	Mar 24 2026	PASS
04	R1_3027_TH_VTN_1	Mar 24 2026	PASS
05	R1_3030_TH_VTN_1	Mar 24 2026	PASS
06	R1_3040_TH_VTN_1	Mar 24 2026	PASS
07	R1_3045_TH_VTN_1	Mar 24 2026	PASS
08	R1_3050_TH_VTN_1	Mar 24 2026	PASS
09	R1_3060_TH_VTN_1	Mar 24 2026	PASS
10	R1_3070_TH_VTN_1	N/A	N/A
11	R1_3080_TH_VTN_1	N/A	N/A
12	R1_3090_TH_VTN_1	N/A	N/A
13	R1_3100_TH_VTN_1	N/A	N/A
14	R1_3120_TH_VTN_1	N/A	N/A
15	R1_3130_TH_VTN_1	N/A	N/A
16	R1_3150_TH_VTN_1	Mar 24 2026	PASS
17	R1_3160_TH_VTN_1	Mar 24 2026	PASS
18	R1_3170_TH_VTN_1	Mar 24 2026	PASS
19	R1_3180_TH_VTN_1	Mar 24 2026	PASS
20	R1_3190_TH_VTN_1	Mar 24 2026	PASS

#### 4.1.1.4 EiEvent Service

No.	Test Case Name	Date	Result
01	E1_1010_TH_VTN_1	Mar 24 2026	PASS
02	E1_1020_TH_VTN_1	Mar 24 2026	PASS
03	E1_1025_TH_VTN_1	Mar 24 2026	PASS
04	E1_1027_TH_VTN_1	Mar 24 2026	PASS
05	E1_1030_TH_VTN_1	Mar 24 2026	PASS
06	E1_1040_TH_VTN_1	Mar 24 2026	PASS
07	E1_1050_TH_VTN_1	N/A	N/A
08	E1_1055_TH_VTN_1	Mar 24 2026	PASS
09	E1_1060_TH_VTN_1	Mar 24 2026	PASS
10	E1_1065_TH_VTN_1	N/A	N/A
11	E1_1070_TH_VTN_1	Mar 24 2026	PASS
12	E1_1080_TH_VTN_1	Mar 24 2026	PASS
13	E1_1090_TH_VTN_1	Mar 24 2026	PASS

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#### 4.1.1.5 EiEvent Ported A Profile

No.	Test Case Name	Date	Result
01	A_E1_0020_TH_VTN_1	Mar 24 2026	PASS
02	A_E1_0040_TH_VTN_1	Mar 24 2026	PASS
03	A_E1_0060_TH_VTN_1	Mar 24 2026	PASS
04	A_E1_0070_TH_VTN_1	Mar 24 2026	PASS
05	A_E1_0082_TH_VTN_1	Mar 24 2026	PASS
06	A_E1_0086_TH_VTN_1	Mar 24 2026	PASS
07	A_E1_0090_TH_VTN_1	Mar 24 2026	PASS
08	A_E1_0092_TH_VTN_1	Mar 24 2026	PASS
09	A_E1_0094_TH_VTN_1	Mar 24 2026	PASS
10	A_E1_0096_TH_VTN_1	Mar 24 2026	PASS
11	A_E1_0098_TH_VTN_1	Mar 24 2026	PASS
12	A_E1_0100_TH_VTN_1	Mar 24 2026	PASS
13	A_E1_0102_TH_VTN_1	Mar 24 2026	PASS
14	A_E1_0104_TH_VTN_1	Mar 24 2026	PASS
15	A_E1_0110_TH_VTN_1	Mar 24 2026	PASS
16	A_E1_0130_TH_VTN_1	Mar 24 2026	PASS
17	A_E1_0180_TH_VTN_1	Mar 24 2026	PASS
18	A_E1_0190_TH_VTN_1	Mar 24 2026	PASS
19	A_E1_0200_TH_VTN_1	Mar 24 2026	PASS
20	A_E1_0210_TH_VTN_1	Mar 24 2026	PASS
21	A_E1_0220_TH_VTN_1	Mar 24 2026	PASS
22	A_E1_0230_TH_VTN_1	Mar 24 2026	PASS
23	A_E1_0240_TH_VTN_1	Mar 24 2026	PASS
24	A_E1_0250_TH_VTN_1	Mar 24 2026	PASS
25	A_E1_0260_TH_VTN_1	Mar 24 2026	PASS
26	A_E1_0262_TH_VTN_1	Mar 24 2026	PASS
27	A_E1_0267_TH_VTN_1	Mar 25 2026	PASS
28	A_E1_0268_TH_VTN_1	Mar 25 2026	PASS
29	A_E1_0270_TH_VTN_1	Mar 25 2026	PASS
30	A_E1_0280_TH_VTN_1	Mar 25 2026	PASS
31	A_E1_0285_TH_VTN_1	Mar 25 2026	PASS
32	A_E1_0300_TH_VTN_1	Mar 25 2026	PASS
33	A_E1_0310_TH_VTN_1	Mar 25 2026	PASS
34	A_E1_0340_TH_VTN_1	Mar 25 2026	PASS
35	A_E1_0345_TH_VTN_1	Mar 25 2026	PASS
36	A_E1_0360_TH_VTN_1	Mar 25 2026	PASS
37	A_E1_0370_TH_VTN_1	Mar 25 2026	PASS
38	A_E1_0390_TH_VTN_1	Mar 25 2026	PASS
39	A_E1_0392_TH_VTN_1	Mar 25 2026	PASS

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#### 4.1.1.6 General Tests

No.	Test Case Name	Date	Result
01	G1_4005_TH_VTN_1	Mar 25 2026	PASS
02	G1_4007_TH_VTN_1	Mar 25 2026	PASS
03	G1_4010_TH_VTN_1	Mar 25 2026	PASS
04	G1_4011_TH_VTN_1	N/A	N/A
05	G1_4012_TH_VTN_1	N/A	N/A
06	G1_4015_TH_VTN_1	Mar 25 2026	PASS
07	G1_4030_TH_VTN_1	Mar 25 2026	PASS

## 5 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.html” which could be opened in any web-browser.

Note that the log file and list contain all logs executed during the test period. If the same test case exists multiple times, the latest result is referenced except for the registration test case (N1\_0020).

## 6 Photos



```
import org.jobrunr.configuration.JobRunrPro
import org.jobrunr.jobs.filters.DefaultRetryFilter
import org.jobrunr.jobs.states.StateName
import org.jobrunr.server.BackgroundJobServerConfiguration.usingStandardBackgroundJobServerConfiguration
import org.jobrunr.server.configuration.RoundRobinDynamicQueuePolicy
import org.jobrunr.storage.DatabaseOptions
import org.jobrunr.storage.JobSearchRequestBuilder.aJobSearchRequest
import org.jobrunr.storage.sql.postgres.PostgresStorageProvider
import org.slf4j.MDC
import org.slf4j.bridge.SLF4JBridgeHandler
import java.time.Duration
import javax.sql.DataSource

private val logger = KotlinLogging.logger {}

/** Product name for this application. */
const val VEN_PRODUCT_NAME = "VEN of J-EMS CLOUD"

/** Product version for this application. */
const val VEN_PRODUCT_VERSION = "1.3.2"

/**
 * Entry point for VEN application.
 *
 * This application starts a JobRunr background job server and registers
 * a pull-order-from-vtn-per-ven recurring job for the specified VEN.
 *
 * **Startup Flow:**
 * 1. Start JobRunr background job server with name `ven-{ven-code}`
 * 2. Register pull-order-from-vtn-per-ven recurring job (PT10S interval)
 *
 * **Usage:**
 */
```

Photo 1: System screen capture (Software Information, Company Information)