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TeraWatt Infrastructure
TEST REPORT

SCOPE OF WORK
OPENADR 2.0B VEN – HTTP PULL – TERAWATT INFRASTRUCTURE - TWINS OPENADR VEN V2024.01 - PASSED
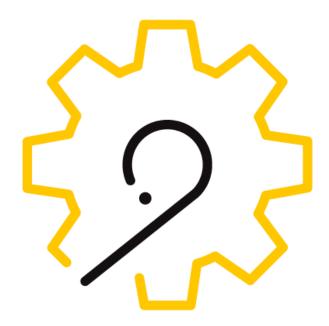
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TEST REPORT

1-March-2024

Intertek Report No. 1007601749MP-001
Intertek Project No. (GIN #) (G105718989)

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TeraWatt Infrastructure
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Subject: OpenADR 2.0b VEN-HTTP Pull test results of the TWINS OPENADR VEN V2024.01

Dear Mr. Greg Svitak,

This test report for the *TWINS OPENADR VEN V2024.01* represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

METHODS

DESCRIPTION OF TEST METHODS AND STANDARDS
OpenADR 2.0b VEN- HTTP Pull
Test Harness Version 1.1.7
Security Level - Standard

SUBMITTED DEVICE

Product Type	Product Name	Firmware Version	Model Number
Software Gateway	TWINS OpenADR VEN	2024.01	N/A

TEST REPORT

TEST ENVIRONMENT

Lab Setup	Connection	DUT	Environment Used
Virtual Machine	Remote Desktop Connection	UI	**X**

TEST EQUIPMENT

Test Tool	Manufacturer	Model Number	Version/Errata
Test Harness	**Quality Logic**	**OpenADR2.0bCertTest**	**1.1.7**

WAIVERS GRANTED BY OPENADR ALLIANCE

Test Case(s)	Failure	OpenADR Response	OpenADR Approver
None			

TEST REPORT

Interpretation of test results:
Results of the tests carried out by Intertek Testing Services NA, Inc. are described as follows: "**Pass**" indicates the device under test (DUT) was verified against a set of defined prerequisites, test scenarios consisting of a sequence of VEN/VTN message exchanges and has conformed to the expected results set forth by the OpenADR Alliance. "**Fail**" indicates the DUT has not met conformance set forth by the OpenADR Alliance due to a test case scenario failing to run to completion, payload schema validation, conformance rule validation failure or other problems. "**NA**" indicates the test case is not applicable to the DUT, is optional or is marked as NA in the test harness tool. Test cases that are not supported by the DUT will not be listed.

TESTED   <28-Feb-2024>

Test Case Results

Test Case Name	Result	Log
N1_0010_TH_VTN_1	PASS	View Log TraceLog_022824_080655_791.txt
N1_0015_TH_VTN_1	PASS	View Log TraceLog_022824_080821_143.txt
N1_0050_TH_VTN_1	PASS	View Log TraceLog_022824_081301_760.txt
N1_0040_TH_VTN_1	PASS	View Log TraceLog_022824_084709_958.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_022824_085031_215.txt
N1_0030_TH_VTN_1	PASS	View Log TraceLog_022824_085226_160.txt
N1_0080_TH_VTN_1	NA	View Log TraceLog_022824_085622_000.txt
N1_0070_TH_VTN_1	PASS	View Log TraceLog_022824_085815_598.txt
N1_0025_TH_VTN_1	PASS	View Log TraceLog_022824_090104_721.txt
R1_3010_TH_VTN_1	PASS	View Log TraceLog_022824_090233_886.txt
R1_3020_TH_VTN_1	PASS	View Log TraceLog_022824_090321_647.txt
R1_3025_TH_VTN_1	PASS	View Log TraceLog_022824_091609_266.txt
R1_3027_TH_VTN_1	PASS	View Log TraceLog_022824_092012_186.txt
R1_3030_TH_VTN_1	PASS	View Log TraceLog_022824_092458_166.txt
R1_3040_TH_VTN_1	PASS	View Log TraceLog_022824_092809_422.txt

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Test Case Name	Result	Log
R1_3045_TH_VTN_1	PASS	View Log TraceLog_022824_092905_050.txt
R1_3050_TH_VTN_1	PASS	View Log TraceLog_022824_093112_868.txt
R1_3060_TH_VTN_1	PASS	View Log TraceLog_022824_093210_108.txt
R1_3070_TH_VTN_1	PASS	View Log TraceLog_022824_093319_297.txt
R1_3080_TH_VTN_1	PASS	View Log TraceLog_022824_093826_898.txt
R1_3090_TH_VTN_1	PASS	View Log TraceLog_022824_093922_428.txt
R1_3100_TH_VTN_1	PASS	View Log TraceLog_022824_094554_119.txt
R1_3120_TH_VTN_1	PASS	View Log TraceLog_022824_095102_761.txt
R1_3130_TH_VTN_1	PASS	View Log TraceLog_022824_095221_364.txt
R1_3150_TH_VTN_1	PASS	View Log TraceLog_022824_095401_760.txt
R1_3160_TH_VTN_1	PASS	View Log TraceLog_022824_095532_648.txt
R1_3170_TH_VTN_1	PASS	View Log TraceLog_022824_095920_477.txt
R1_3180_TH_VTN_1	PASS	View Log TraceLog_022824_100058_909.txt
R1_3190_TH_VTN_1	PASS	View Log TraceLog_022824_100205_761.txt
P1_2010_TH_VTN_1	PASS	View Log TraceLog_022824_100329_258.txt
P1_2015_TH_VTN_1	PASS	View Log TraceLog_022824_100529_698.txt
P1_2020_TH_VTN_1	PASS	View Log TraceLog_022824_100650_696.txt
P1_2030_TH_VTN_1	PASS	View Log TraceLog_022824_100833_791.txt
P1_2040_TH_VTN_1	PASS	View Log TraceLog_022824_101109_990.txt
P1_2050_TH_VTN_1	NA	View Log TraceLog_022824_101410_359.txt
A_E1_0020_TH_VTN_1	PASS	View Log TraceLog_022824_101451_316.txt
A_E1_0040_TH_VTN_1	PASS	View Log TraceLog_022824_101624_072.txt
A_E1_0060_TH_VTN_1	PASS	View Log TraceLog_022824_101717_157.txt
A_E1_0070_TH_VTN_1	PASS	View Log TraceLog_022824_101759_356.txt
A_E1_0082_TH_VTN_1	PASS	View Log TraceLog_022824_101904_285.txt

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Test Case Name	Result	Log
A_E1_0086_TH_VTN_1	PASS	View Log TraceLog_022824_102002_428.txt
A_E1_0090_TH_VTN_1	PASS	View Log TraceLog_022824_102104_034.txt
A_E1_0092_TH_VTN_1	PASS	View Log TraceLog_022824_102202_234.txt
A_E1_0094_TH_VTN_1	PASS	View Log TraceLog_022824_102313_593.txt
A_E1_0096_TH_VTN_1	PASS	View Log TraceLog_022824_102403_126.txt
A_E1_0098_TH_VTN_1	PASS	View Log TraceLog_022824_102513_167.txt
A_E1_0100_TH_VTN_1	PASS	View Log TraceLog_022824_102604_897.txt
A_E1_0102_TH_VTN_1	PASS	View Log TraceLog_022824_102658_710.txt
A_E1_0104_TH_VTN_1	PASS	View Log TraceLog_022824_102749_053.txt
A_E1_0110_TH_VTN_1	PASS	View Log TraceLog_022824_102845_957.txt
A_E1_0130_TH_VTN_1	PASS	View Log TraceLog_022824_102931_086.txt
A_E1_0180_TH_VTN_1	PASS	View Log TraceLog_022824_103013_761.txt
A_E1_0190_TH_VTN_1	PASS	View Log TraceLog_022824_103112_493.txt
A_E1_0200_TH_VTN_1	PASS	View Log TraceLog_022824_103234_561.txt
A_E1_0210_TH_VTN_1	PASS	View Log TraceLog_022824_103329_345.txt
A_E1_0220_TH_VTN_1	PASS	View Log TraceLog_022824_103908_188.txt
A_E1_0230_TH_VTN_1	PASS	View Log TraceLog_022824_104355_622.txt
A_E1_0240_TH_VTN_1	PASS	View Log TraceLog_022824_104847_832.txt
A_E1_0250_TH_VTN_1	PASS	View Log TraceLog_022824_105903_785.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_022824_110229_086.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_022824_110455_604.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_022824_110700_624.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_022824_110928_663.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_022824_111448_620.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_022824_112026_664.txt

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Test Case Name	Result	Log
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_022824_112646_624.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_022824_113131_788.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_022824_113542_596.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_022824_114015_239.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_022824_114418_947.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_022824_114823_047.txt
A_E1_0270_TH_VTN_1	PASS	View Log TraceLog_022824_115242_662.txt
A_E1_0280_TH_VTN_1	PASS	View Log TraceLog_022824_115940_830.txt
A_E1_0285_TH_VTN_1	PASS	View Log TraceLog_022824_120134_968.txt
A_E1_0300_TH_VTN_1	PASS	View Log TraceLog_022824_120237_372.txt
A_E1_0310_TH_VTN_1	PASS	View Log TraceLog_022824_120324_364.txt
A_E1_0340_TH_VTN_1	PASS	View Log TraceLog_022824_120541_782.txt
A_E1_0345_TH_VTN_1	PASS	View Log TraceLog_022824_120701_406.txt
A_E1_0360_TH_VTN_1	PASS	View Log TraceLog_022824_120800_493.txt
A_E1_0370_TH_VTN_1	PASS	View Log TraceLog_022824_120857_929.txt
A_E1_0390_TH_VTN_1	PASS	View Log TraceLog_022824_121112_487.txt
A_E1_0392_TH_VTN_1	PASS	View Log TraceLog_022824_121246_620.txt
E1_1010_TH_VTN_1	PASS	View Log TraceLog_022824_121555_098.txt
E1_1020_TH_VTN_1	PASS	View Log TraceLog_022824_121640_066.txt
E1_1025_TH_VTN_1	PASS	View Log TraceLog_022824_121727_778.txt
E1_1027_TH_VTN_1	PASS	View Log TraceLog_022824_121818_532.txt
E1_1030_TH_VTN_1	PASS	View Log TraceLog_022824_121906_925.txt
E1_1040_TH_VTN_1	PASS	View Log TraceLog_022824_122001_978.txt
E1_1050_TH_VTN_1	PASS	View Log TraceLog_022824_122139_839.txt
E1_1055_TH_VTN_1	PASS	View Log TraceLog_022824_122239_481.txt

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Test Case Name	Result	Log
E1_1060_TH_VTN_1	PASS	View Log TraceLog_022824_122450_150.txt
E1_1065_TH_VTN_1	NA	View Log TraceLog_022824_122552_266.txt
E1_1070_TH_VTN_1	PASS	View Log TraceLog_022824_122610_467.txt
E1_1080_TH_VTN_1	PASS	View Log TraceLog_022824_122644_166.txt
E1_1090_TH_VTN_1	PASS	View Log TraceLog_022824_122727_922.txt
G1_4005_TH_VTN_1	PASS	View Log TraceLog_022824_123014_159.txt
G1_4010_TH_VTN_1	PASS	View Log TraceLog_022824_123145_368.txt
G1_4012_TH_VTN_1	PASS	View Log TraceLog_022824_123240_131.txt
G1_4010_TH_VTN_1	PASS	View Log TraceLog_022824_123325_543.txt
G1_4015_TH_VTN_1	PASS	View Log TraceLog_022824_123454_049.txt
G1_4030_TH_VTN_1	PASS	View Log TraceLog_022824_123558_527.txt
G1_4007_TH_VTN_1	PASS	View Log TraceLog_022824_123822_429.txt
N1_0060_TH_VTN_1	PASS	View Log TraceLog_022824_124318_370.txt
N1_0065_TH_VTN_1	PASS	View Log TraceLog_022824_124852_377.txt

REPORT AUTHORIZED

Florencio Ponce

Engineer

Vincent Brooks

Reviewer