

# Open Access Technology International, Inc. **TEST REPORT**

**SCOPE OF WORK**

OPENADR 2.0B VEN – HTTP PULL & PUSH – OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC. –  
WEBSMARTENERGY V. 4.5.2

**REPORT NUMBER**

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## TEST REPORT

3-October-2018

Intertek Report No. 10051465482PLS-001  
Intertek Project No. GIN # (G103556694)

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**Subject:** OpenADR 2.0b VEN-HTTP Pull and Push test results of the Open Access Technology International, Inc. - webSmartEnergy v.4.5.2 - PASSED

Dear Mr. Sasan Mokhtari,

This test report for the *webSmartEnergy v4.5.2* 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 & Push

Test Harness Version 1.1.2

Security Level - Standard

### SUBMITTED DEVICE

Product Type	Product Name	Firmware Version	Model Number
Software	webSmartEnergy	4.5.2	N/A

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## 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	1.1.2

### 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 <10-September-2018 to 1-October 2018>

**Test Case Results (HTTP Pull)**

Test Case Name	Result	Log
N1_0080_TH_VTN_1	NA	View Log TraceLog_091018_100059_828.txt
N1_0010_TH_VTN_1	PASS	View Log TraceLog_091318_082318_484.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_091418_075622_890.txt
N1_0015_TH_VTN_1	PASS	View Log TraceLog_091418_080259_015.txt
N1_0050_TH_VTN_1	PASS	View Log TraceLog_091418_082751_656.txt
N1_0060_TH_VTN_1	PASS	View Log TraceLog_091418_100736_390.txt
N1_0065_TH_VTN_1	PASS	View Log TraceLog_091418_121540_140.txt
N1_0030_TH_VTN_1	PASS	View Log TraceLog_091418_124712_343.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_091418_124858_593.txt
N1_0040_TH_VTN_1	PASS	View Log TraceLog_091418_130837_609.txt
N1_0025_TH_VTN_1	PASS	View Log TraceLog_091418_131231_687.txt
N1_0070_TH_VTN_1	PASS	View Log TraceLog_091418_131600_421.txt
P1_2010_TH_VTN_1	PASS	View Log TraceLog_091418_134509_156.txt
P1_2015_TH_VTN_1	PASS	View Log TraceLog_091418_134905_562.txt
P1_2020_TH_VTN_1	PASS	View Log TraceLog_091418_135349_843.txt

**TEST REPORT**

Test Case Name	Result	Log
P1_2030_TH_VTN_1	PASS	View Log TraceLog_091418_150615_250.txt
P1_2040_TH_VTN_1	PASS	View Log TraceLog_091418_151210_140.txt
P1_2050_TH_VTN_1	NA	View Log TraceLog_091418_151520_843.txt
R1_3010_TH_VTN_1	PASS	View Log TraceLog_092018_090603_687.txt
R1_3020_TH_VTN_1	PASS	View Log TraceLog_092018_093327_875.txt
R1_3025_TH_VTN_1	PASS	View Log TraceLog_092018_095025_750.txt
R1_3027_TH_VTN_1	PASS	View Log TraceLog_092018_101656_156.txt
R1_3030_TH_VTN_1	PASS	View Log TraceLog_092018_105621_421.txt
R1_3040_TH_VTN_1	PASS	View Log TraceLog_092018_110541_687.txt
R1_3045_TH_VTN_1	PASS	View Log TraceLog_092018_124634_062.txt
R1_3150_TH_VTN_1	PASS	View Log TraceLog_092018_130056_968.txt
R1_3160_TH_VTN_1	PASS	View Log TraceLog_092118_090427_843.txt
R1_3170_TH_VTN_1	PASS	View Log TraceLog_092118_124558_328.txt
R1_3180_TH_VTN_1	PASS	View Log TraceLog_092118_131948_359.txt
R1_3190_TH_VTN_1	PASS	View Log TraceLog_092118_132200_078.txt
A_E1_0020_TH_VTN_1	PASS	View Log TraceLog_092118_132639_906.txt
A_E1_0040_TH_VTN_1	PASS	View Log TraceLog_092118_133637_062.txt
A_E1_0060_TH_VTN_1	PASS	View Log TraceLog_092118_133758_109.txt
A_E1_0070_TH_VTN_1	PASS	View Log TraceLog_092118_133955_921.txt
A_E1_0082_TH_VTN_1	PASS	View Log TraceLog_092118_134116_328.txt
A_E1_0086_TH_VTN_1	PASS	View Log TraceLog_092118_134212_281.txt
A_E1_0090_TH_VTN_1	PASS	View Log TraceLog_092118_140435_703.txt
A_E1_0092_TH_VTN_1	PASS	View Log TraceLog_092118_140622_796.txt
A_E1_0094_TH_VTN_1	PASS	View Log TraceLog_092118_142258_828.txt
A_E1_0096_TH_VTN_1	PASS	View Log TraceLog_092118_142416_515.txt

**TEST REPORT**

Test Case Name	Result	Log
A_E1_0098_TH_VTN_1	PASS	View Log TraceLog_092118_144616_406.txt
A_E1_0100_TH_VTN_1	PASS	View Log TraceLog_092118_144745_921.txt
A_E1_0102_TH_VTN_1	PASS	View Log TraceLog_092118_145001_312.txt
A_E1_0104_TH_VTN_1	PASS	View Log TraceLog_092118_145119_484.txt
A_E1_0110_TH_VTN_1	PASS	View Log TraceLog_092118_145502_781.txt
A_E1_0130_TH_VTN_1	PASS	View Log TraceLog_092118_145615_234.txt
A_E1_0180_TH_VTN_1	PASS	View Log TraceLog_092118_145900_812.txt
A_E1_0190_TH_VTN_1	PASS	View Log TraceLog_092118_150219_296.txt
A_E1_0200_TH_VTN_1	PASS	View Log TraceLog_092418_084355_000.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_092418_084846_828.txt
A_E1_0210_TH_VTN_1	PASS	View Log TraceLog_092418_085341_687.txt
A_E1_0220_TH_VTN_1	PASS	View Log TraceLog_092418_090050_109.txt
A_E1_0240_TH_VTN_1	PASS	View Log TraceLog_092418_095722_312.txt
A_E1_0250_TH_VTN_1	PASS	View Log TraceLog_092418_095910_218.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_092418_100511_718.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_092418_101157_531.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_092418_102236_812.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_092418_102640_843.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_092418_103428_687.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_092418_104042_765.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_092418_104700_359.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_092418_105755_812.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_092418_110625_828.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_092418_122110_203.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_092418_122900_703.txt

**TEST REPORT**

Test Case Name	Result	Log
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_092418_123335_687.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_092418_123847_281.txt
A_E1_0270_TH_VTN_1	PASS	View Log TraceLog_092418_124334_031.txt
A_E1_0280_TH_VTN_1	PASS	View Log TraceLog_092418_130156_968.txt
A_E1_0300_TH_VTN_1	PASS	View Log TraceLog_092418_131145_593.txt
A_E1_0310_TH_VTN_1	PASS	View Log TraceLog_092418_131330_093.txt
A_E1_0340_TH_VTN_1	PASS	View Log TraceLog_092418_131928_312.txt
A_E1_0345_TH_VTN_1	PASS	View Log TraceLog_092418_132222_937.txt
A_E1_0360_TH_VTN_1	PASS	View Log TraceLog_092418_133139_203.txt
A_E1_0370_TH_VTN_1	PASS	View Log TraceLog_092418_134711_828.txt
A_E1_0390_TH_VTN_1	PASS	View Log TraceLog_092418_134918_968.txt
A_E1_0392_TH_VTN_1	PASS	View Log TraceLog_092418_135043_468.txt
E1_1010_TH_VTN_1	PASS	View Log TraceLog_092418_135357_359.txt
E1_1020_TH_VTN_1	PASS	View Log TraceLog_092418_135515_781.txt
E1_1025_TH_VTN_1	PASS	View Log TraceLog_092418_140051_484.txt
E1_1027_TH_VTN_1	PASS	View Log TraceLog_092418_140150_625.txt
E1_1030_TH_VTN_1	PASS	View Log TraceLog_092418_140244_734.txt
E1_1040_TH_VTN_1	PASS	View Log TraceLog_092418_140638_484.txt
E1_1050_TH_VTN_1	PASS	View Log TraceLog_092418_140748_671.txt
E1_1055_TH_VTN_1	PASS	View Log TraceLog_092418_140937_125.txt
E1_1065_TH_VTN_1	NA	View Log TraceLog_092418_141131_968.txt
E1_1070_TH_VTN_1	PASS	View Log TraceLog_092418_141146_000.txt
E1_1080_TH_VTN_1	PASS	View Log TraceLog_092418_141228_609.txt
E1_1090_TH_VTN_1	PASS	View Log TraceLog_092418_141324_093.txt
E1_1060_TH_VTN_1	PASS	View Log TraceLog_092418_144221_718.txt

## TEST REPORT

Test Case Name	Result	Log
G1_4005_TH_VTN_1	PASS	View Log TraceLog_092518_093419_140.txt
G1_4010_TH_VTN_1	PASS	View Log TraceLog_092518_103550_390.txt
G1_4012_TH_VTN_1	PASS	View Log TraceLog_092518_103825_875.txt
G1_4015_TH_VTN_1	PASS	View Log TraceLog_092518_105542_984.txt
G1_4030_TH_VTN_1	PASS	View Log TraceLog_092518_110501_812.txt
A_E1_0230_TH_VTN_1	PASS	View Log TraceLog_092518_150458_750.txt
G1_4007_TH_VTN_1	PASS	View Log TraceLog_092618_085140_562.txt

## Test Case Results (HTTP Push)

Test Case Name	Result	Log
N0_5010_TH_VTN_1	PASS	View Log TraceLog_092518_124722_875.txt
N0_5080_TH_VTN_1	PASS	View Log TraceLog_092518_124935_718.txt
N0_5020_TH_VTN_1	PASS	View Log TraceLog_092718_131504_718.txt
N0_5050_TH_VTN	PASS	View Log TraceLog_092718_131941_796.txt
N0_5065_TH_VTN_1	PASS	View Log TraceLog_092718_132127_703.txt
N0_5015_TH_VTN_1	PASS	View Log TraceLog_092718_132609_937.txt
N0_5060_TH_VTN_1	PASS	View Log TraceLog_092718_134111_484.txt
N0_5030_TH_VTN_1	PASS	View Log TraceLog_092718_134322_312.txt
N0_5020_TH_VTN_1	PASS	View Log TraceLog_092718_134833_703.txt
N0_5040_TH_VTN	PASS	View Log TraceLog_092718_135021_515.txt
N0_5025_TH_VTN_1	PASS	View Log TraceLog_092718_135423_656.txt
N0_5070_TH_VTN_1	PASS	View Log TraceLog_092718_135615_890.txt
N0_5020_TH_VTN_1	PASS	View Log TraceLog_092718_135756_843.txt
R0_8010_TH_VTN	PASS	View Log TraceLog_092718_140758_828.txt



**TEST REPORT**

Test Case Name	Result	Log
R0_8020_TH_VTN	PASS	View Log TraceLog_092718_140858_218.txt
R0_8025_TH_VTN	PASS	View Log TraceLog_092718_142048_421.txt
R0_8027_TH_VTN	PASS	View Log TraceLog_092718_142400_171.txt
R0_8030_TH_VTN	PASS	View Log TraceLog_092718_142847_390.txt
R0_8040_TH_VTN	PASS	View Log TraceLog_092718_143142_265.txt
R0_8045_TH_VTN	PASS	View Log TraceLog_092718_143240_937.txt
R0_8150_TH_VTN	PASS	View Log TraceLog_092718_143454_312.txt
R0_8160_TH_VTN	PASS	View Log TraceLog_092818_074559_343.txt
R0_8180_TH_VTN	PASS	View Log TraceLog_092818_102232_828.txt
R0_8190_TH_VTN	PASS	View Log TraceLog_092818_102345_406.txt
P0_7010_TH_VTN_1	PASS	View Log TraceLog_092818_102933_250.txt
P0_7015_TH_VTN_1	PASS	View Log TraceLog_092818_103024_234.txt
P0_7020_TH_VTN_1	PASS	View Log TraceLog_092818_103331_812.txt
P0_7030_TH_VTN_1	PASS	View Log TraceLog_092818_121622_062.txt
P0_7040_TH_VTN_1	PASS	View Log TraceLog_092818_121845_734.txt
P0_7050_TH_VTN_1	NA	View Log TraceLog_092818_122159_921.txt
A_E0_0020_TH_VTN_1	PASS	View Log TraceLog_092818_122319_453.txt
A_E0_0040_TH_VTN	PASS	View Log TraceLog_092818_122436_593.txt
A_E0_0060_TH_VTN_1	PASS	View Log TraceLog_092818_122524_359.txt
A_E0_0070_TH_VTN_1	PASS	View Log TraceLog_092818_122610_562.txt
A_E0_0082_TH_VTN_1	PASS	View Log TraceLog_092818_122710_234.txt
A_E0_0086_TH_VTN_1	PASS	View Log TraceLog_092818_144100_218.txt
A_E0_0090_TH_VTN_1	PASS	View Log TraceLog_092818_144204_578.txt
A_E0_0092_TH_VTN_1	PASS	View Log TraceLog_092818_144309_359.txt
A_E0_0094_TH_VTN_1	PASS	View Log TraceLog_092818_144438_546.txt

**TEST REPORT**

Test Case Name	Result	Log
A_E0_0096_TH_VTN	PASS	View Log TraceLog_092818_144535_234.txt
A_E0_0098_TH_VTN_1	PASS	View Log TraceLog_092818_144642_921.txt
A_E0_0100_TH_VTN_1	PASS	View Log TraceLog_092818_144806_953.txt
A_E0_0102_TH_VTN_1	PASS	View Log TraceLog_092818_144910_171.txt
A_E0_0104_TH_VTN_1	PASS	View Log TraceLog_092818_145019_734.txt
A_E0_0110_TH_VTN_1	PASS	View Log TraceLog_092818_145123_859.txt
A_E0_0130_TH_VTN_1	PASS	View Log TraceLog_092818_145224_828.txt
A_E0_0180_TH_VTN_1	PASS	View Log TraceLog_092818_145406_453.txt
A_E0_0185_TH_VTN_1	PASS	View Log TraceLog_092818_153546_171.txt
A_E0_0190_TH_VTN_1	PASS	View Log TraceLog_092818_153705_625.txt
A_E0_0210_TH_VTN_1	PASS	View Log TraceLog_092818_153839_437.txt
A_E0_0220_TH_VTN_1	PASS	View Log TraceLog_092818_154144_812.txt
A_E0_0230_TH_VTN	PASS	View Log TraceLog_092818_154401_062.txt
A_E0_0230_TH_VTN	PASS	View Log TraceLog_092818_154559_390.txt
A_E0_0240_TH_VTN	PASS	View Log TraceLog_092818_155145_687.txt
A_E0_0250_TH_VTN_1	PASS	View Log TraceLog_092818_155425_578.txt
A_E0_0260_TH_VTN_1	PASS	View Log TraceLog_092818_160234_328.txt
A_E0_0260_TH_VTN_1	PASS	View Log TraceLog_092818_160700_171.txt
A_E0_0260_TH_VTN_1	PASS	View Log TraceLog_092818_161021_062.txt
A_E0_0262_TH_VTN_1	PASS	View Log TraceLog_092818_162155_281.txt
A_E0_0262_TH_VTN_1	PASS	View Log TraceLog_092818_162914_468.txt
A_E0_0267_TH_VTN_1	PASS	View Log TraceLog_100118_063305_187.txt
A_E0_0267_TH_VTN_1	PASS	View Log TraceLog_100118_064021_093.txt
A_E0_0267_TH_VTN_1	PASS	View Log TraceLog_100118_064526_656.txt
A_E0_0267_TH_VTN_1	PASS	View Log TraceLog_100118_065017_296.txt

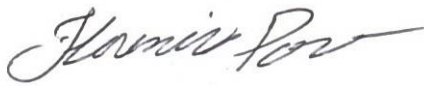
## TEST REPORT

Test Case Name	Result	Log
A_E0_0268_TH_VTN_1	PASS	View Log TraceLog_100118_065416_484.txt
A_E0_0268_TH_VTN_1	PASS	View Log TraceLog_100118_071817_875.txt
A_E0_0268_TH_VTN_1	PASS	View Log TraceLog_100118_072311_187.txt
A_E0_0270_TH_VTN_1	PASS	View Log TraceLog_100118_072832_218.txt
A_E0_0280_TH_VTN_1	PASS	View Log TraceLog_100118_074545_515.txt
A_E0_0300_TH_VTN_1	PASS	View Log TraceLog_100118_074735_453.txt
A_E0_0310_TH_VTN_1	PASS	View Log TraceLog_100118_074824_484.txt
A_E0_0340_TH_VTN_1	PASS	View Log TraceLog_100118_074920_812.txt
A_E0_0345_TH_VTN_1	PASS	View Log TraceLog_100118_075026_250.txt
A_E0_0360_TH_VTN_1	PASS	View Log TraceLog_100118_075134_906.txt
A_E0_0370_TH_VTN_1	PASS	View Log TraceLog_100118_075358_843.txt
A_E0_0390_TH_VTN_1	PASS	View Log TraceLog_100118_075550_062.txt
A_E0_0392_TH_VTN_1	PASS	View Log TraceLog_100118_075656_828.txt
E0_6010_TH_VTN	PASS	View Log TraceLog_100118_080417_609.txt
E0_6020_TH_VTN	PASS	View Log TraceLog_100118_080456_000.txt
E0_6025_TH_VTN	PASS	View Log TraceLog_100118_080544_078.txt
E0_6027_TH_VTN	PASS	View Log TraceLog_100118_080630_328.txt
E0_6030_TH_VTN	PASS	View Log TraceLog_100118_080714_890.txt
E0_6040_TH_VTN	PASS	View Log TraceLog_100118_080812_984.txt
E0_6050_TH_VTN_1	PASS	View Log TraceLog_100118_080906_625.txt
E0_6055_TH_VTN	PASS	View Log TraceLog_100118_081013_375.txt
E0_6060_TH_VTN	PASS	View Log TraceLog_100118_081352_781.txt
E0_6065_TH_VTN	NA	View Log TraceLog_100118_081452_531.txt
E0_6090_TH_VTN	PASS	View Log TraceLog_100118_092646_937.txt
E0_6070_TH_VTN	PASS	View Log TraceLog_100118_093833_531.txt

## TEST REPORT

Test Case Name	Result	Log
E0_6080_TH_VTN	PASS	View Log TraceLog_100118_093940_484.txt
R0_8170_TH_VTN	PASS	View Log TraceLog_100118_120837_546.txt
N0_5020_TH_VTN_1	PASS	View Log TraceLog_100118_122619_453.txt
A_E0_0200_TH_VTN_1	PASS	View Log TraceLog_100118_123545_953.txt
N0_5020_TH_VTN_1	PASS	View Log TraceLog_100118_123925_875.txt
G0_9030_TH_VTN	PASS	View Log TraceLog_100118_124436_859.txt
G0_9005_TH_VTN	PASS	View Log TraceLog_100118_150205_218.txt
G0_9010_TH_VTN	PASS	View Log TraceLog_100118_150333_750.txt

### REPORT AUTHORIZED



Florencio Ponce

Engineer



Tara Layton

Reviewer