

Shell Research Ltd.

TEST REPORT

SCOPE OF WORK

OPENADR 2.0B VEN – HTTP PULL – SHELL RESEARCH LTD – SHELL RECHARGE PLUS_VEN V0.1-PASSED

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TEST REPORT

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Subject: OpenADR 2.0B VEN-HTTP Pull test results of the SHELL RECHARGE PLUS_VEN V.01

Dear Mr. Daniel Jeavons,

This test report for the *SHELL RECHARGEPLUS_VEN V0.1* 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 1.1.2

Security Level - Standard

SUBMITTED DEVICE

Product Type	Product Name	Firmware Version	Model Number
Software	SHELL RECHARGEPLUS_VEN	0.1	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 <26-October to 30-October-2018>

Test Case Result

Test Case Name	Result	Log
N1_0020_TH_VTN_1	PASS	View Log TraceLog_102618_080817_112.txt
N1_0015_TH_VTN_1	PASS	View Log TraceLog_102618_081423_927.txt
N1_0050_TH_VTN_1	PASS	View Log TraceLog_102618_081556_358.txt
N1_0040_TH_VTN_1	PASS	View Log TraceLog_102618_081745_636.txt
N1_0060_TH_VTN_1	PASS	View Log TraceLog_102618_100343_210.txt
N1_0065_TH_VTN_1	PASS	View Log TraceLog_102618_100500_293.txt
N1_0030_TH_VTN_1	PASS	View Log TraceLog_102618_100623_362.txt
N1_0010_TH_VTN_1	PASS	View Log TraceLog_102618_100817_345.txt
N1_0080_TH_VTN_1	NA	View Log TraceLog_102618_100909_593.txt
N1_0070_TH_VTN_1	PASS	View Log TraceLog_102618_101046_181.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_102618_101211_328.txt
R1_3010_TH_VTN_1	PASS	View Log TraceLog_102618_101828_224.txt
R1_3027_TH_VTN_1	PASS	View Log TraceLog_102618_104310_394.txt
R1_3030_TH_VTN_1	PASS	View Log TraceLog_102618_104710_050.txt
P1_2010_TH_VTN_1	PASS	View Log TraceLog_102618_123753_918.txt

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Test Case Name	Result	Log
P1_2015_TH_VTN_1	PASS	View Log TraceLog_102618_123854_919.txt
P1_2020_TH_VTN_1	PASS	View Log TraceLog_102618_123949_167.txt
P1_2030_TH_VTN_1	PASS	View Log TraceLog_102618_124113_815.txt
P1_2040_TH_VTN_1	PASS	View Log TraceLog_102618_124231_444.txt
P1_2050_TH_VTN_1	NA	View Log TraceLog_102618_124351_075.txt
A_E1_0020_TH_VTN_1	PASS	View Log TraceLog_102618_124448_902.txt
A_E1_0040_TH_VTN_1	PASS	View Log TraceLog_102618_124603_594.txt
A_E1_0060_TH_VTN_1	PASS	View Log TraceLog_102618_124915_535.txt
A_E1_0070_TH_VTN_1	PASS	View Log TraceLog_102618_125320_990.txt
A_E1_0082_TH_VTN_1	PASS	View Log TraceLog_102618_125957_813.txt
A_E1_0086_TH_VTN_1	PASS	View Log TraceLog_102618_130815_756.txt
A_E1_0090_TH_VTN_1	PASS	View Log TraceLog_102618_130919_960.txt
A_E1_0092_TH_VTN_1	PASS	View Log TraceLog_102618_131041_481.txt
A_E1_0094_TH_VTN_1	PASS	View Log TraceLog_102618_131414_850.txt
A_E1_0096_TH_VTN_1	PASS	View Log TraceLog_102618_131712_631.txt
A_E1_0098_TH_VTN_1	PASS	View Log TraceLog_102618_132055_986.txt
A_E1_0100_TH_VTN_1	PASS	View Log TraceLog_102618_132238_701.txt
A_E1_0102_TH_VTN_1	PASS	View Log TraceLog_102618_132357_612.txt
A_E1_0104_TH_VTN_1	PASS	View Log TraceLog_102618_132514_820.txt
A_E1_0110_TH_VTN_1	PASS	View Log TraceLog_102618_132808_334.txt
A_E1_0130_TH_VTN_1	PASS	View Log TraceLog_102618_133309_648.txt
A_E1_0180_TH_VTN_1	PASS	View Log TraceLog_102618_133648_142.txt
A_E1_0190_TH_VTN_1	PASS	View Log TraceLog_102618_133953_175.txt
A_E1_0200_TH_VTN_1	PASS	View Log TraceLog_102618_134202_772.txt
A_E1_0210_TH_VTN_1	PASS	View Log TraceLog_102618_134331_873.txt

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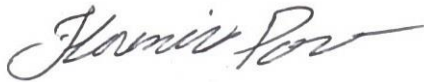
Test Case Name	Result	Log
A_E1_0210_TH_VTN_1	PASS	View Log TraceLog_102618_134834_718.txt
A_E1_0220_TH_VTN_1	PASS	View Log TraceLog_102618_135558_147.txt
A_E1_0230_TH_VTN_1	PASS	View Log TraceLog_102618_140206_431.txt
A_E1_0240_TH_VTN_1	PASS	View Log TraceLog_102618_141613_888.txt
A_E1_0250_TH_VTN_1	PASS	View Log TraceLog_102618_141840_442.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_102618_143015_812.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_102618_143545_961.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_102618_143858_043.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_102618_144215_219.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_102618_144842_790.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_102618_145512_486.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_102618_150255_873.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_102618_150842_917.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_102618_151425_277.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_102618_152003_605.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_102618_152753_699.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_102618_153743_652.txt
A_E1_0270_TH_VTN_1	PASS	View Log TraceLog_102618_154740_386.txt
A_E1_0280_TH_VTN_1	PASS	View Log TraceLog_102618_155444_120.txt
A_E1_0285_TH_VTN_1	PASS	View Log TraceLog_102618_155647_089.txt
A_E1_0300_TH_VTN_1	PASS	View Log TraceLog_102618_155948_120.txt
A_E1_0310_TH_VTN_1	PASS	View Log TraceLog_102618_160043_011.txt
A_E1_0340_TH_VTN_1	PASS	View Log TraceLog_102618_160204_527.txt
A_E1_0345_TH_VTN_1	PASS	View Log TraceLog_102618_160302_089.txt
A_E1_0360_TH_VTN_1	PASS	View Log TraceLog_102618_160358_511.txt

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Test Case Name	Result	Log
A_E1_0370_TH_VTN_1	PASS	View Log TraceLog_102618_160451_402.txt
A_E1_0390_TH_VTN_1	PASS	View Log TraceLog_102618_160736_277.txt
A_E1_0392_TH_VTN_1	PASS	View Log TraceLog_102618_160853_339.txt
E1_1010_TH_VTN_1	PASS	View Log TraceLog_102618_161153_011.txt
E1_1020_TH_VTN_1	PASS	View Log TraceLog_102618_161246_152.txt
E1_1025_TH_VTN_1	PASS	View Log TraceLog_102618_161333_777.txt
E1_1027_TH_VTN_1	PASS	View Log TraceLog_102618_161423_511.txt
E1_1030_TH_VTN_1	PASS	View Log TraceLog_102618_161511_730.txt
E1_1040_TH_VTN_1	PASS	View Log TraceLog_102618_161620_042.txt
E1_1055_TH_VTN_1	PASS	View Log TraceLog_102618_162032_089.txt
E1_1060_TH_VTN_1	PASS	View Log TraceLog_102618_162146_105.txt
E1_1065_TH_VTN_1	NA	View Log TraceLog_102618_162257_745.txt
E1_1070_TH_VTN_1	PASS	View Log TraceLog_102618_162308_261.txt
E1_1080_TH_VTN_1	PASS	View Log TraceLog_102618_162355_714.txt
E1_1090_TH_VTN_1	PASS	View Log TraceLog_102618_162439_074.txt
G1_4005_TH_VTN_1	PASS	View Log TraceLog_102618_162645_324.txt
G1_4010_TH_VTN_1	PASS	View Log TraceLog_102618_162832_027.txt
G1_4012_TH_VTN_1	PASS	View Log TraceLog_102618_162942_620.txt
G1_4015_TH_VTN_1	PASS	View Log TraceLog_102618_163037_199.txt
G1_4030_TH_VTN_1	PASS	View Log TraceLog_102618_163143_620.txt
G1_4007_TH_VTN_1	PASS	View Log TraceLog_102618_163240_902.txt
R1_3150_TH_VTN_1	PASS	View Log TraceLog_102918_082945_667.txt
R1_3160_TH_VTN_1	PASS	View Log TraceLog_102918_083130_074.txt
R1_3170_TH_VTN_1	PASS	View Log TraceLog_102918_083546_605.txt
R1_3180_TH_VTN_1	PASS	View Log TraceLog_102918_083859_995.txt

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Test Case Name	Result	Log
R1_3190_TH_VTN_1	PASS	View Log TraceLog_102918_084008_995.txt
N1_0025_TH_VTN_1	PASS	View Log TraceLog_102918_091331_699.txt
R1_3020_TH_VTN_1	PASS	View Log TraceLog_102918_094633_074.txt
R1_3025_TH_VTN_1	PASS	View Log TraceLog_102918_100045_964.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_103018_082434_261.txt
R1_3040_TH_VTN_1	PASS	View Log TraceLog_103018_082648_292.txt
R1_3045_TH_VTN_1	PASS	View Log TraceLog_103018_083107_292.txt

REPORT AUTHORIZEDFlorencio Ponce

Engineer

Tara Layton

Reviewer