

Flipturn

TEST REPORT

SCOPE OF WORK

OPENADR 2.0B VEN – HTTP PULL - FLIPTURN - FLIPTURN OPENADR VEN V1.0.0
- PASSED

REPORT NUMBER

1007515969MP-001

ISSUE DATE

30-November-2023

PAGES

8

DOCUMENT CONTROL NUMBER

GFT-OP-10h (6-July-2017)

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TEST REPORT

30-November-2023

Intertek Report No. 1007515969MP-001
Intertek Project No. (GIN #) (G105643028)

Sashko Stubailo
Flipturn
159 Court St, Apt 3
Brooklyn, NY 11201
sashko@getflipturn.com

Ph: (626) 318-0817

Subject: OpenADR 2.0b VEN-HTTP Pull test results of the FLIPTURN OPENADR VEN V1.0.0

Dear Mr. Sashko Stubailo,

This test report for the *Flipturn OpenADR VEN V1.0.0* 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 1.1.6

Security Level - Standard

SUBMITTED DEVICE

Product Type	Product Name	Firmware Version	Model Number
VEN	Flipturn OpenADR VEN	1.0.0	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	1.1.6

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-November-2023 to 29-November-2023>

Test Case Result

Test Case Name	Result	Log
N1_0010_TH_VTN_1	PASS	View Log TraceLog_112923_081218_728.txt
N1_0080_TH_VTN_1	NA	View Log TraceLog_112923_081420_624.txt
N1_0020_TH_VTN_1	PASS	View Log TraceLog_112923_081518_921.txt
N1_0015_TH_VTN_1	PASS	View Log TraceLog_112923_081710_499.txt
N1_0050_TH_VTN_1	PASS	View Log TraceLog_112923_081858_535.txt
N1_0060_TH_VTN_1	PASS	View Log TraceLog_112923_082045_590.txt
N1_0065_TH_VTN_1	PASS	View Log TraceLog_112923_082226_860.txt
N1_0070_TH_VTN_1	PASS	View Log TraceLog_112923_082351_372.txt
N1_0040_TH_VTN_1	PASS	View Log TraceLog_112923_082650_625.txt
N1_0030_TH_VTN_1	PASS	View Log TraceLog_112923_082907_826.txt
N1_0025_TH_VTN_1	PASS	View Log TraceLog_112923_083236_719.txt
R1_3010_TH_VTN_1	PASS	View Log TraceLog_112923_083926_456.txt
R1_3020_TH_VTN_1	PASS	View Log TraceLog_112923_084055_791.txt
R1_3025_TH_VTN_1	PASS	View Log TraceLog_112923_084521_346.txt
R1_3027_TH_VTN_1	PASS	View Log TraceLog_112923_085217_245.txt

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Test Case Name	Result	Log
R1_3030_TH_VTN_1	PASS	View Log TraceLog_112923_085658_152.txt
R1_3040_TH_VTN_1	PASS	View Log TraceLog_112923_090043_780.txt
R1_3045_TH_VTN_1	PASS	View Log TraceLog_112923_090524_937.txt
R1_3050_TH_VTN_1	PASS	View Log TraceLog_112923_090745_126.txt
R1_3060_TH_VTN_1	PASS	View Log TraceLog_112923_090943_303.txt
R1_3070_TH_VTN_1	PASS	View Log TraceLog_112923_091537_727.txt
R1_3080_TH_VTN_1	PASS	View Log TraceLog_112923_091705_824.txt
R1_3090_TH_VTN_1	PASS	View Log TraceLog_112923_091909_200.txt
R1_3100_TH_VTN_1	PASS	View Log TraceLog_112923_092200_664.txt
R1_3120_TH_VTN_1	PASS	View Log TraceLog_112923_092849_755.txt
R1_3150_TH_VTN_1	PASS	View Log TraceLog_112923_093101_875.txt
R1_3160_TH_VTN_1	PASS	View Log TraceLog_112923_093301_077.txt
R1_3170_TH_VTN_1	PASS	View Log TraceLog_112923_093740_274.txt
R1_3180_TH_VTN_1	PASS	View Log TraceLog_112923_094524_012.txt
R1_3190_TH_VTN_1	PASS	View Log TraceLog_112923_094645_561.txt
P1_2010_TH_VTN_1	PASS	View Log TraceLog_112923_101847_799.txt
P1_2015_TH_VTN_1	PASS	View Log TraceLog_112923_101956_919.txt
P1_2020_TH_VTN_1	PASS	View Log TraceLog_112923_102059_113.txt
P1_2030_TH_VTN_1	PASS	View Log TraceLog_112923_102253_911.txt
P1_2040_TH_VTN_1	PASS	View Log TraceLog_112923_102513_180.txt
P1_2050_TH_VTN_1	NA	View Log TraceLog_112923_102633_413.txt
A_E1_0020_TH_VTN_1	PASS	View Log TraceLog_112923_102911_246.txt
A_E1_0040_TH_VTN_1	PASS	View Log TraceLog_112923_103033_976.txt
A_E1_0060_TH_VTN_1	PASS	View Log TraceLog_112923_103145_346.txt
A_E1_0070_TH_VTN_1	PASS	View Log TraceLog_112923_103314_357.txt

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Test Case Name	Result	Log
A_E1_0082_TH_VTN_1	PASS	View Log TraceLog_112923_103414_332.txt
A_E1_0086_TH_VTN_1	PASS	View Log TraceLog_112923_103532_713.txt
A_E1_0090_TH_VTN_1	PASS	View Log TraceLog_112923_103930_343.txt
A_E1_0092_TH_VTN_1	PASS	View Log TraceLog_112923_104137_473.txt
A_E1_0094_TH_VTN_1	PASS	View Log TraceLog_112923_104313_976.txt
A_E1_0096_TH_VTN_1	PASS	View Log TraceLog_112923_104428_975.txt
A_E1_0098_TH_VTN_1	PASS	View Log TraceLog_112923_104614_214.txt
A_E1_0100_TH_VTN_1	PASS	View Log TraceLog_112923_105147_817.txt
A_E1_0102_TH_VTN_1	PASS	View Log TraceLog_112923_105631_003.txt
A_E1_0104_TH_VTN_1	PASS	View Log TraceLog_112923_105802_312.txt
A_E1_0110_TH_VTN_1	PASS	View Log TraceLog_112923_111437_528.txt
A_E1_0130_TH_VTN_1	PASS	View Log TraceLog_112923_111540_505.txt
A_E1_0180_TH_VTN_1	PASS	View Log TraceLog_112923_111700_834.txt
A_E1_0190_TH_VTN_1	PASS	View Log TraceLog_112923_111854_432.txt
A_E1_0200_TH_VTN_1	PASS	View Log TraceLog_112923_112712_551.txt
A_E1_0210_TH_VTN_1	PASS	View Log TraceLog_112923_113524_089.txt
A_E1_0220_TH_VTN_1	PASS	View Log TraceLog_112923_115221_706.txt
A_E1_0230_TH_VTN_1	PASS	View Log TraceLog_112923_115754_400.txt
A_E1_0240_TH_VTN_1	PASS	View Log TraceLog_112923_121300_705.txt
A_E1_0250_TH_VTN_1	PASS	View Log TraceLog_112923_121602_315.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_112923_123912_636.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_112923_125048_771.txt
A_E1_0260_TH_VTN_1	PASS	View Log TraceLog_112923_125447_442.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_112923_125725_209.txt
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_112923_130422_305.txt

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Test Case Name	Result	Log
A_E1_0262_TH_VTN_1	PASS	View Log TraceLog_112923_131443_572.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_112923_132049_564.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_112923_132752_201.txt
A_E1_0267_TH_VTN_1	PASS	View Log TraceLog_112923_133300_953.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_112923_133924_634.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_112923_134444_000.txt
A_E1_0268_TH_VTN_1	PASS	View Log TraceLog_112923_135009_413.txt
A_E1_0270_TH_VTN_1	PASS	View Log TraceLog_112923_140413_473.txt
A_E1_0280_TH_VTN_1	PASS	View Log TraceLog_112923_141221_185.txt
A_E1_0285_TH_VTN_1	PASS	View Log TraceLog_112923_141527_993.txt
A_E1_0300_TH_VTN_1	PASS	View Log TraceLog_112923_141659_545.txt
A_E1_0310_TH_VTN_1	PASS	View Log TraceLog_112923_142042_103.txt
A_E1_0340_TH_VTN_1	PASS	View Log TraceLog_112923_142320_631.txt
A_E1_0345_TH_VTN_1	PASS	View Log TraceLog_112923_142542_684.txt
A_E1_0360_TH_VTN_1	PASS	View Log TraceLog_112923_142748_922.txt
A_E1_0370_TH_VTN_1	PASS	View Log TraceLog_112923_142950_835.txt
A_E1_0390_TH_VTN_1	PASS	View Log TraceLog_112923_143209_857.txt
A_E1_0392_TH_VTN_1	PASS	View Log TraceLog_112923_143329_036.txt
E1_1010_TH_VTN_1	PASS	View Log TraceLog_112923_143705_516.txt
E1_1020_TH_VTN_1	PASS	View Log TraceLog_112923_144054_528.txt
E1_1025_TH_VTN_1	PASS	View Log TraceLog_112923_144205_522.txt
E1_1027_TH_VTN_1	PASS	View Log TraceLog_112923_144452_738.txt
E1_1030_TH_VTN_1	PASS	View Log TraceLog_112923_144548_342.txt
E1_1040_TH_VTN_1	PASS	View Log TraceLog_112923_144705_392.txt
E1_1050_TH_VTN_1	PASS	View Log TraceLog_112923_144835_889.txt

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Test Case Name	Result	Log
E1_1055_TH_VTN_1	PASS	View Log TraceLog_112923_145001_374.txt
E1_1060_TH_VTN_1	PASS	View Log TraceLog_112923_145209_576.txt
E1_1065_TH_VTN_1	NA	View Log TraceLog_112923_145315_260.txt
E1_1070_TH_VTN_1	PASS	View Log TraceLog_112923_145405_972.txt
E1_1080_TH_VTN_1	PASS	View Log TraceLog_112923_145451_000.txt
E1_1090_TH_VTN_1	PASS	View Log TraceLog_112923_145549_891.txt
G1_4005_TH_VTN_1	PASS	View Log TraceLog_112923_145922_014.txt
G1_4010_TH_VTN_1	PASS	View Log TraceLog_112923_150322_654.txt
G1_4012_TH_VTN_1	PASS	View Log TraceLog_112923_150619_938.txt
G1_4015_TH_VTN_1	PASS	View Log TraceLog_112923_150958_526.txt
G1_4030_TH_VTN_1	PASS	View Log TraceLog_112923_151155_851.txt
G1_4007_TH_VTN_1	PASS	View Log TraceLog_112923_151402_674.txt

REPORT AUTHORIZED



Florencio Ponce

Engineer



Vincent Brooks

Reviewer