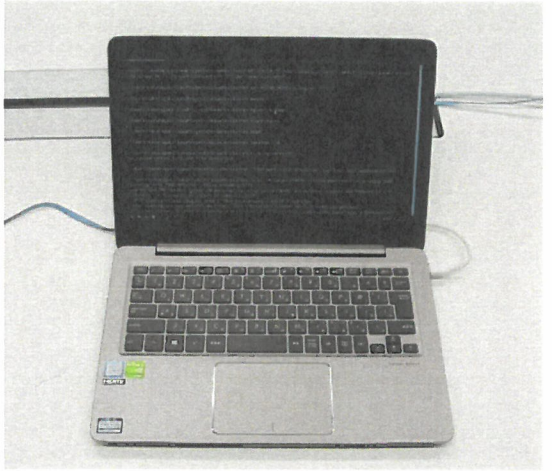
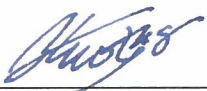
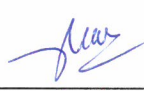


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Kunden Referenz-Nr.: Client Reference No.:		N/A		Auftragsdatum: Order date:		2018-05-14			
Auftraggeber: Client:		Grid Solutions Inc. 4-12-22 Nishihara Kashiwa Chiba 277-0885 Japan							
Gegenstand der Prüfung: Test item:		Blue Devils							
Bezeichnung / Typ-Nr.: Identification / Type No.:		Blue Devils-VTN							
Auftrags-Inhalt: Order content:		OpenADR Certification Test							
Prüfgrundlage: Test specification:		OpenADR 2.0b Certification Test Specification Version 1.1.2 OpenADR 2.0a Certification Test Specification Version 1.1.2							
Wareneingangsdatum: Date of receipt:		2018-05-22							
Prüfmuster-Nr.: Test sample No.:		A000747824							
Prüfzeitraum: Testing period:		2018-05-22 - 2018-05-24							
Ort der Prüfung: Place of testing:		TÜV Rheinland Japan Ltd. Global Technology Assessment Center 4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Japan							
Prüflaboratorium: Testing laboratory:		TÜV Rheinland Japan Ltd.							
Prüfergebnis: Test results:		The test item passed the test specification(s).							
Geprüft von Tested by:				Kontrolliert von Reviewed by:					
2018-05-29 Atsuhiko Endo 				2018-05-31 Tam Tran Thanh 					
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position	Unterschrift Signature				
Sonstiges / Other Aspects:									
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:					Prüfmuster vollständig und unbeschädigt Test item complete and undamaged				
*Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested									
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark									

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1 General Product Information

1.1 Client Information

Company Name: see page 1
Address: see page 1
Contact Person: Yohei Takahashi
Phone: +81-90-4953-5633
E-mail: yohei.takahashi@gridsolutions.co.jp

1.2 General SUT Information

The system under test is software implementation of OpenADR protocol installed on laptop.
Two laptops were used in the test.

Serial Number: N/A
Hardware Version: N/A
Firmware version: 1.0

1.3 General EUT Description

Equipment under test: see page 1

1.4 Profile

Product type: VTN
OpenADR profile: 2.0b, 2.0a
Mode: Pull, Push
Transport: Simple HTTP, XMPP
Security: Standard Security

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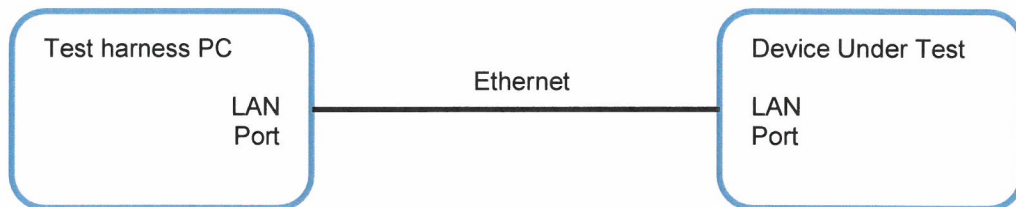
2 Testing Laboratory

Company name: TÜV Rheinland Japan Ltd.
Address: see page 1

2.1 Test Equipment

Equipment ID	Model Product name	Manufacture	Category	Version
1800528	OpenADR Test Harness for 2.0b	QualityLogic	Software	1.1.2
1800440	OpenADR Test Harness for 2.0a	QualityLogic	Software	1.1.2

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.

4 Test Results

4.1 Profile 2.0b

4.1.1 VTN Pull Tests

4.1.1.1 EiRegisterParty Service

No.	Test Case Name	Date	Result	Log
01	N1_0010_TH_VEN	May 24 2018	PASS	TraceLog_052418_131202_185.txt
02	N1_0015_TH_VEN	May 24 2018	PASS	TraceLog_052418_131747_425.txt
03	N1_0020_TH_VEN	May 24 2018	PASS	TraceLog_052418_131330_902.txt
04	N1_0025_TH_VEN	May 24 2018	PASS	TraceLog_052418_131616_573.txt
05	N1_0030_TH_VEN	May 24 2018	PASS	TraceLog_052418_131515_106.txt
06	N1_0040_TH_VEN	May 24 2018	PASS	TraceLog_052418_132110_180.txt
07	N1_0050_TH_VEN	May 24 2018	PASS	TraceLog_052418_133430_947.txt
08	N1_0060_TH_VEN	May 24 2018	PASS	TraceLog_052418_133726_912.txt
09	N1_0065_TH_VEN	May 24 2018	PASS	TraceLog_052418_133859_281.txt
10	N1_0070_TH_VEN	May 24 2018	PASS	TraceLog_052418_134011_663.txt
11	N1_0080_TH_VEN	May 24 2018	PASS	TraceLog_052418_132230_921.txt

4.1.1.2 EiOpt Service

No.	Test Case Name	Date	Result	Log
01	P1_2010_TH_VEN	May 24 2018	PASS	TraceLog_052418_134340_361.txt
02	P1_2015_TH_VEN	May 24 2018	PASS	TraceLog_052418_134421_565.txt
03	P1_2020_TH_VEN	May 24 2018	PASS	TraceLog_052418_134457_840.txt
04	P1_2030_TH_VEN	May 24 2018	PASS	TraceLog_052418_134546_799.txt
05	P1_2040_TH_VEN	May 24 2018	PASS	TraceLog_052418_134628_615.txt
06	P1_2050_TH_VEN	May 24 2018	PASS	TraceLog_052418_134721_173.txt

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4.1.1.3 EiReport Service

No.	Test Case Name	Date	Result	Log
01	R1_3010_TH_VEN	May 24 2018	PASS	TraceLog_052418_134959_289.txt
02	R1_3020_TH_VEN	May 24 2018	PASS	TraceLog_052418_135238_059.txt
03	R1_3025_TH_VEN	May 24 2018	PASS	TraceLog_052418_135731_452.txt
04	R1_3027_TH_VEN	May 24 2018	PASS	TraceLog_052418_140426_045.txt
05	R1_3030_TH_VEN	May 24 2018	PASS	TraceLog_052418_140736_867.txt
06	R1_3040_TH_VEN	May 24 2018	PASS	TraceLog_052418_141331_896.txt
07	R1_3045_TH_VEN	May 24 2018	PASS	TraceLog_052418_141541_319.txt
08	R1_3050_TH_VEN	-	N/A	-
09	R1_3060_TH_VEN	-	N/A	-
10	R1_3070_TH_VEN	May 24 2018	PASS	TraceLog_052418_141840_318.txt
11	R1_3080_TH_VEN	-	N/A	-
12	R1_3090_TH_VEN	-	N/A	-
13	R1_3100_TH_VEN	-	N/A	-
14	R1_3120_TH_VEN	-	N/A	-
15	R1_3130_TH_VEN	May 24 2018	PASS	TraceLog_052418_142328_973.txt
16	R1_3140_TH_VEN	May 24 2018	PASS	TraceLog_052418_142553_983.txt
17	R1_3150_TH_VEN	May 24 2018	PASS	TraceLog_052418_142803_543.txt
18	R1_3160_TH_VEN	May 24 2018	PASS	TraceLog_052418_143030_273.txt
19	R1_3170_TH_VEN	-	N/A	-
20	R1_3180_TH_VEN	May 24 2018	PASS	TraceLog_052418_143552_442.txt
21	R1_3190_TH_VEN	May 24 2018	PASS	TraceLog_052418_144441_279.txt

4.1.1.4 EiEvent Service

No.	Test Case Name	Date	Result	Log
01	E1_1010_TH_VEN	May 24 2018	PASS	TraceLog_052418_145149_180.txt
02	E1_1020_TH_VEN	May 24 2018	PASS	TraceLog_052418_145455_860.txt
03	E1_1025_TH_VEN	May 24 2018	PASS	TraceLog_052418_145702_220.txt
04	E1_1027_TH_VEN	May 24 2018	PASS	TraceLog_052418_145841_398.txt
05	E1_1030_TH_VEN	May 24 2018	PASS	TraceLog_052418_152115_754.txt
06	E1_1040_TH_VEN	May 24 2018	PASS	TraceLog_052418_152800_416.txt
07	E1_1050_TH_VEN	May 24 2018	PASS	TraceLog_052418_153422_979.txt
08	E1_1055_TH_VEN	May 24 2018	PASS	TraceLog_052418_153600_956.txt
09	E1_1060_TH_VEN	May 24 2018	PASS	TraceLog_052418_153739_594.txt
10	E1_1065_TH_VEN	May 24 2018	PASS	TraceLog_052418_153941_367.txt
11	E1_1070_TH_VEN	-	N/A	-
12	E1_1080_TH_VEN	May 24 2018	PASS	TraceLog_052418_154436_182.txt
13	E1_1090_TH_VEN	-	N/A	-

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4.1.1.5 EiEvent Ported A Profile

No.	Test Case Name	Date	Result	Log
01	A_E3_0420_TH_VEN	May 24 2018	PASS	TraceLog_052418_154857_621.txt
02	A_E3_0430_TH_VEN	May 24 2018	PASS	TraceLog_052418_155720_645.txt
03	A_E3_0432_TH_VEN	May 24 2018	PASS	TraceLog_052418_155837_653.txt
04	A_E3_0435_TH_VEN	May 24 2018	PASS	TraceLog_052418_160322_063.txt
05	A_E3_0440_TH_VEN	May 24 2018	PASS	TraceLog_052418_160557_661.txt
06	A_E3_0450_TH_VEN	May 24 2018	PASS	TraceLog_052418_160911_161.txt
07	A_E3_0452_TH_VEN	May 24 2018	PASS	TraceLog_052418_162330_873.txt
08	A_E3_0454_TH_VEN	May 24 2018	PASS	TraceLog_052418_162653_390.txt
09	A_E3_0468_TH_VEN	May 24 2018	PASS	TraceLog_052418_162822_418.txt
10	A_E3_0470_TH_VEN	May 24 2018	PASS	TraceLog_052418_162930_083.txt
11	A_E3_0474_TH_VEN	May 24 2018	PASS	TraceLog_052418_163236_839.txt
12	A_E3_0480_TH_VEN	May 24 2018	PASS	TraceLog_052418_163521_151.txt
13	A_E3_0484_TH_VEN	May 24 2018	PASS	TraceLog_052418_163734_431.txt
14	A_E3_0490_TH_VEN	May 24 2018	PASS	TraceLog_052418_163934_239.txt
15	A_E3_0492_TH_VEN	May 24 2018	PASS	TraceLog_052418_164212_215.txt
16	A_E3_0494_TH_VEN	May 24 2018	PASS	TraceLog_052418_164646_689.txt
17	A_E3_0496_TH_VEN	May 24 2018	PASS	TraceLog_052418_164922_180.txt
18	A_E3_0498_TH_VEN	May 24 2018	PASS	TraceLog_052418_165156_441.txt
19	A_E3_0500_TH_VEN	May 24 2018	PASS	TraceLog_052418_165449_502.txt
20	A_E3_0510_TH_VEN	May 24 2018	PASS	TraceLog_052418_165613_992.txt
21	A_E3_0525_TH_VEN	May 24 2018	PASS	TraceLog_052418_165945_349.txt
22	A_E3_0527_TH_VEN	May 24 2018	PASS	TraceLog_052418_170359_192.txt
23	A_E3_0655_TH_VEN	May 24 2018	PASS	TraceLog_052418_170734_011.txt
24	A_E3_0657_TH_VEN	May 24 2018	PASS	TraceLog_052418_174230_578.txt
25	A_E3_0680_TH_VEN	May 24 2018	PASS	TraceLog_052418_180429_447.txt
26	A_E3_0685_TH_VEN	May 24 2018	PASS	TraceLog_052418_180926_663.txt
27	A_E3_0710_TH_VEN	May 24 2018	PASS	TraceLog_052418_181543_203.txt
28	A_E3_0720_TH_VEN	May 24 2018	PASS	TraceLog_052418_181732_681.txt
29	A_E3_0730_TH_VEN	May 24 2018	PASS	TraceLog_052418_181853_997.txt
30	A_E3_0750_TH_VEN	May 24 2018	PASS	TraceLog_052418_182032_315.txt
31	A_E3_0780_TH_VEN	May 24 2018	PASS	TraceLog_052418_182307_023.txt

4.1.1.6 General Tests

No.	Test Case Name	Date	Result	Log
01	G1_4005_TH_VEN	May 23 2018	PASS	TraceLog_052318_172444_969.txt
02	G1_4007_TH_VEN	May 23 2018	PASS	TraceLog_052318_172700_179.txt
03	G1_4010_TH_VEN	May 23 2018	PASS	TraceLog_052318_172923_086.txt
04	G1_4011_TH_VEN	May 23 2018	PASS	TraceLog_052318_173316_526.txt
05	G1_4012_TH_VEN	May 23 2018	PASS	TraceLog_052318_173403_460.txt
06	G1_4015_TH_VEN	-	N/A	-
07	G1_4020_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_184733_459.txt
08	G1_4030_TH_VEN	May 23 2018	PASS	TraceLog_052318_184857_403.txt

4.1.2 VTN Push Tests

4.1.2.1 EiRegisterParty Service

No.	Test Case Name	Date	Result	Log
01	N0_5010_TH_VEN	May 23 2018	PASS	TraceLog_052318_105839_710.txt
02	N0_5015_TH_VEN	May 23 2018	PASS	TraceLog_052318_110737_846.txt
03	N0_5020_TH_VEN	May 23 2018	PASS	TraceLog_052318_110029_747.txt
04	N0_5025_TH_VEN	May 23 2018	PASS	TraceLog_052318_110459_852.txt
05	N0_5030_TH_VEN	May 23 2018	PASS	TraceLog_052318_110327_444.txt
06	N0_5040_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_110924_533.txt
07	N0_5050_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_115943_784.txt
08	N0_5060_TH_VEN	May 23 2018	PASS	TraceLog_052318_114853_750.txt
09	N0_5065_TH_VEN	May 23 2018	PASS	TraceLog_052318_120544_819.txt
10	N0_5070_TH_VEN	May 23 2018	PASS	TraceLog_052318_120735_907.txt
11	N0_5080_TH_VEN	May 23 2018	PASS	TraceLog_052318_111254_135.txt

4.1.2.2 EiOpt Service

No.	Test Case Name	Date	Result	Log
01	P0_7010_TH_VEN	May 24 2018	PASS	TraceLog_052418_101658_482.txt
02	P0_7015_TH_VEN	May 24 2018	PASS	TraceLog_052418_101800_226.txt
03	P0_7020_TH_VEN	May 24 2018	PASS	TraceLog_052418_101844_110.txt
04	P0_7030_TH_VEN	May 24 2018	PASS	TraceLog_052418_102006_706.txt
05	P0_7040_TH_VEN	May 24 2018	PASS	TraceLog_052418_102133_482.txt
06	P0_7050_TH_VEN	May 24 2018	PASS	TraceLog_052418_102314_503.txt

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4.1.2.3 EiReport Service

No.	Test Case Name	Date	Result	Log
01	R0_8010_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_103456_575.txt
02	R0_8020_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_105442_206.txt
03	R0_8025_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_110501_100.txt
04	R0_8027_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_110959_901.txt
05	R0_8030_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_111346_275.txt
06	R0_8040_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_112107_154.txt
07	R0_8045_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_112432_709.txt
08	R0_8050_TH_VEN_1	-	N/A	-
09	R0_8060_TH_VEN_1	-	N/A	-
10	R0_8070_TH_VEN	May 24 2018	PASS	TraceLog_052418_112911_655.txt
11	R0_8080_TH_VEN_1	-	N/A	-
12	R0_8090_TH_VEN_1	-	N/A	-
13	R0_8100_TH_VEN_1	-	N/A	-
14	R0_8120_TH_VEN_1	-	N/A	-
15	R0_8130_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_113602_348.txt
16	R0_8140_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_114141_378.txt
17	R0_8150_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_114845_618.txt
18	R0_8160_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_115551_059.txt
19	R0_8170_TH_VEN_1	-	N/A	-
20	R0_8180_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_120317_184.txt
21	R0_8190_TH_VEN_1	May 24 2018	PASS	TraceLog_052418_120652_317.txt

4.1.2.4 EiEvent Service

No.	Test Case Name	Date	Result	Log
01	E0_6010_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_132307_640.txt
02	E0_6020_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_132939_320.txt
03	E0_6025_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_133223_341.txt
04	E0_6027_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_133528_351.txt
05	E0_6030_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_135134_940.txt
06	E0_6040_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_135348_727.txt
07	E0_6050_TH_VEN	May 23 2018	PASS	TraceLog_052318_135907_120.txt
08	E0_6055_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_140142_439.txt
09	E0_6060_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_140441_100.txt
10	E0_6065_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_141026_027.txt
11	E0_6070_TH_VEN_1	-	N/A	-
12	E0_6080_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_141539_980.txt
13	E0_6090_TH_VEN_1	-	N/A	-

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4.1.2.5 EiEvent Ported A Profile

No.	Test Case Name	Date	Result	Log
01	A_E2_0430_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_141949_625.txt
02	A_E2_0432_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_142253_350.txt
03	A_E2_0435_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_142741_675.txt
04	A_E2_0440_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_144039_712.txt
05	A_E2_0450_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_144216_829.txt
06	A_E2_0452_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_144528_946.txt
07	A_E2_0454_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_144821_260.txt
08	A_E2_0468_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_145032_473.txt
09	A_E2_0470_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_145225_753.txt
10	A_E2_0474_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_145553_732.txt
11	A_E2_0480_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_145908_422.txt
12	A_E2_0484_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_150201_630.txt
13	A_E2_0490_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_150518_513.txt
14	A_E2_0492_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_150855_107.txt
15	A_E2_0494_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_153036_771.txt
16	A_E2_0496_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_154104_281.txt
17	A_E2_0498_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_154334_284.txt
18	A_E2_0500_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_154547_008.txt
19	A_E2_0510_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_154833_409.txt
20	A_E2_0525_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_155258_103.txt
21	A_E2_0527_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_160024_224.txt
22	A_E2_0657_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_160557_143.txt
23	A_E2_0680_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_161242_106.txt
24	A_E2_0685_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_161708_707.txt
25	A_E2_0710_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_162458_218.txt
26	A_E2_0720_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_162734_920.txt
27	A_E2_0730_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_162952_273.txt
28	A_E2_0750_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_163207_417.txt
29	A_E2_0780_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_163559_238.txt

4.1.2.6 General Tests

No.	Test Case Name	Date	Result	Log
01	G0_9005_TH_VEN_1 (*)	-	N/A	-
02	G0_9010_TH_VEN_1 (*)	-	N/A	-
03	G0_9020_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_170836_793.txt
04	G0_9030_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_171615_860.txt

(*)See "5 Remarks and References"

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4.1.2.7 XMPP Tests

No.	Test Case Name	Date	Result	Log
01	N0_5020_TH_VEN	May 23 2018	PASS	TraceLog_052318_100946_402.txt
02	N0_5030_TH_VEN	May 23 2018	PASS	TraceLog_052318_104841_329.txt
03	P0_7010_TH_VEN	May 23 2018	PASS	TraceLog_052318_101405_850.txt
04	R0_8010_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_101816_882.txt
05	E0_6020_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_103355_645.txt
06	A_E2_0435_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_103742_063.txt
07	G0_9005_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_104209_866.txt
08	G0_9010_TH_VEN_1	May 23 2018	PASS	TraceLog_052318_104518_526.txt

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4.2 Profile 2.0a

4.2.1 VTN Pull Tests

4.2.1.1 Application Layer Test Cases

No.	Test Case Name	Date	Result	Log
01	E3_0420_TH_VEN	May 22 2018	PASS	TraceLog_052218_151441_107.txt
02	E3_0430_TH_VEN	May 22 2018	PASS	TraceLog_052218_152002_583.txt
03	E3_0432_TH_VEN	May 22 2018	PASS	TraceLog_052218_152135_338.txt
04	E3_0435_TH_VEN	May 22 2018	PASS	TraceLog_052218_152351_852.txt
05	E3_0440_TH_VEN	May 22 2018	PASS	TraceLog_052218_152600_836.txt
06	E3_0450_TH_VEN	May 22 2018	PASS	TraceLog_052218_152752_204.txt
07	E3_0452_TH_VEN	May 22 2018	PASS	TraceLog_052218_153143_031.txt
08	E3_0454_TH_VEN	May 22 2018	PASS	TraceLog_052218_153351_909.txt
09	E3_0468_TH_VEN	May 22 2018	PASS	TraceLog_052218_153513_794.txt
10	E3_0470_TH_VEN	May 22 2018	PASS	TraceLog_052218_153619_147.txt
11	E3_0474_TH_VEN	May 22 2018	PASS	TraceLog_052218_153838_278.txt
12	E3_0480_TH_VEN	May 22 2018	PASS	TraceLog_052218_154031_959.txt
13	E3_0484_TH_VEN	May 22 2018	PASS	TraceLog_052218_154210_858.txt
14	E3_0490_TH_VEN	May 22 2018	PASS	TraceLog_052218_154430_696.txt
15	E3_0492_TH_VEN	May 22 2018	PASS	TraceLog_052218_154658_930.txt
16	E3_0494_TH_VEN	May 22 2018	PASS	TraceLog_052218_155007_740.txt
17	E3_0496_TH_VEN	May 22 2018	PASS	TraceLog_052218_155447_812.txt
18	E3_0498_TH_VEN	May 22 2018	PASS	TraceLog_052218_155715_925.txt
19	E3_0500_TH_VEN	May 22 2018	PASS	TraceLog_052218_160121_707.txt
20	E3_0510_TH_VEN	May 22 2018	PASS	TraceLog_052218_160421_904.txt
21	E3_0525_TH_VEN	May 22 2018	PASS	TraceLog_052218_160639_127.txt
22	E3_0527_TH_VEN	May 22 2018	PASS	TraceLog_052218_161006_126.txt
23	E3_0655_TH_VEN	May 22 2018	PASS	TraceLog_052218_161508_461.txt
24	E3_0657_TH_VEN	May 22 2018	PASS	TraceLog_052218_162045_828.txt
25	E3_0660_TH_VEN	May 22 2018	PASS	TraceLog_052218_162412_537.txt
26	E3_0680_TH_VEN	May 22 2018	PASS	TraceLog_052218_162737_626.txt
27	E3_0685_TH_VEN	May 22 2018	PASS	TraceLog_052218_163248_611.txt
28	E3_0710_TH_VEN	May 22 2018	PASS	TraceLog_052218_163921_077.txt
29	E3_0720_TH_VEN	May 22 2018	PASS	TraceLog_052218_164038_612.txt
30	E3_0730_TH_VEN	May 22 2018	PASS	TraceLog_052218_164152_057.txt
31	E3_0750_TH_VEN	May 22 2018	PASS	TraceLog_052218_164323_152.txt
32	E3_0780_TH_VEN	May 22 2018	PASS	TraceLog_052218_164444_767.txt

4.2.1.2 Security Test Cases

No.	Test Case Name	Date	Result	Log
01	S3_1600_TH_VEN	May 22 2018	PASS	TraceLog_052218_164813_832.txt
02	S3_1605_TH_VEN	May 22 2018	PASS	TraceLog_052218_165126_058.txt

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4.2.2 VTN Push Tests

4.2.2.1 Application Layer Test Cases

No.	Test Case Name	Date	Result	Log
01	E2_0430_TH_VEN	May 22 2018	PASS	TraceLog_052218_104334_756.txt
02	E2_0432_TH_VEN	May 22 2018	PASS	TraceLog_052218_104553_967.txt
03	E2_0435_TH_VEN	May 22 2018	PASS	TraceLog_052218_104919_068.txt
04	E2_0440_TH_VEN	May 22 2018	PASS	TraceLog_052218_105726_282.txt
05	E2_0450_TH_VEN	May 22 2018	PASS	TraceLog_052218_110709_374.txt
06	E2_0452_TH_VEN	May 22 2018	PASS	TraceLog_052218_111205_043.txt
07	E2_0454_TH_VEN	May 22 2018	PASS	TraceLog_052218_111449_464.txt
08	E2_0468_TH_VEN	May 22 2018	PASS	TraceLog_052218_111717_506.txt
09	E2_0470_TH_VEN	May 22 2018	PASS	TraceLog_052218_112327_898.txt
10	E2_0474_TH_VEN	May 22 2018	PASS	TraceLog_052218_112457_958.txt
11	E2_0480_TH_VEN	May 22 2018	PASS	TraceLog_052218_112702_755.txt
12	E2_0484_TH_VEN	May 22 2018	PASS	TraceLog_052218_113242_791.txt
13	E2_0490_TH_VEN	May 22 2018	PASS	TraceLog_052218_113450_082.txt
14	E2_0492_TH_VEN	May 22 2018	PASS	TraceLog_052218_113727_068.txt
15	E2_0494_TH_VEN	May 22 2018	PASS	TraceLog_052218_114406_410.txt
16	E2_0496_TH_VEN	May 22 2018	PASS	TraceLog_052218_114734_686.txt
17	E2_0498_TH_VEN	May 22 2018	PASS	TraceLog_052218_115000_075.txt
18	E2_0500_TH_VEN	May 22 2018	PASS	TraceLog_052218_115524_969.txt
19	E2_0510_TH_VEN	May 22 2018	PASS	TraceLog_052218_132647_510.txt
20	E2_0525_TH_VEN	May 22 2018	PASS	TraceLog_052218_135804_384.txt
21	E2_0527_TH_VEN	May 22 2018	PASS	TraceLog_052218_140812_118.txt
22	E2_0657_TH_VEN	May 22 2018	PASS	TraceLog_052218_141333_614.txt
23	E2_0670_TH_VEN	May 22 2018	PASS	TraceLog_052218_141853_842.txt
24	E2_0680_TH_VEN	May 22 2018	PASS	TraceLog_052218_142403_746.txt
25	E2_0685_TH_VEN	May 22 2018	PASS	TraceLog_052218_145834_775.txt
26	E2_0710_TH_VEN	May 22 2018	PASS	TraceLog_052218_150403_483.txt
27	E2_0720_TH_VEN	May 22 2018	PASS	TraceLog_052218_150531_315.txt
28	E2_0730_TH_VEN	May 22 2018	PASS	TraceLog_052218_150700_858.txt
29	E2_0750_TH_VEN	May 22 2018	PASS	TraceLog_052218_150852_054.txt
30	E2_0780_TH_VEN	May 22 2018	PASS	TraceLog_052218_151050_015.txt

4.2.2.2 Security Test Cases

No.	Test Case Name	Date	Result	Log
01	S2_1500_TH_VEN (*)	-	N/A	-

(*)See "5 Remarks and References"

4.2.3 Transport Tests

No.	Test Case Name	Date	Result	Log
01	T9_1200	May 22 2018	PASS	TraceLog_052218_173043_563.txt

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5 Remarks and References

The Alliance has approved to skip Security Test Cases G0_9005_TH_VEN_1, G0_9010_TH_VEN_1 and S2_1500_TH_VEN.

Grid Solutions Inc. is using a java framework called "Play" for their http push client. This client does not provide a mechanism to disable only hostname verification. The test certificate creation web form for the VEN does not allow you to populate either of these fields with the needed values in order for the test harness to interoperate over https without hostname verification being disabled.

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.xml" which could be opened in any web-browser (Internet Explorer is recommended).

6 Photos

```
C:\Users\owner\Documents\GitHub\blueDevils>rem set NGINX_HOME="C:\nginx-1.12.1"  
C:\Users\owner\Documents\GitHub\blueDevils>rem pushd  
C:\Users\owner\Documents\GitHub\blueDevils>rem nginx -s stop  
C:\Users\owner\Documents\GitHub\blueDevils>rem start nginx  
C:\Users\owner\Documents\GitHub\blueDevils>rem popd  
C:\Users\owner\Documents\GitHub\blueDevils>rem version 1.0
```

Photo 1: FW Version

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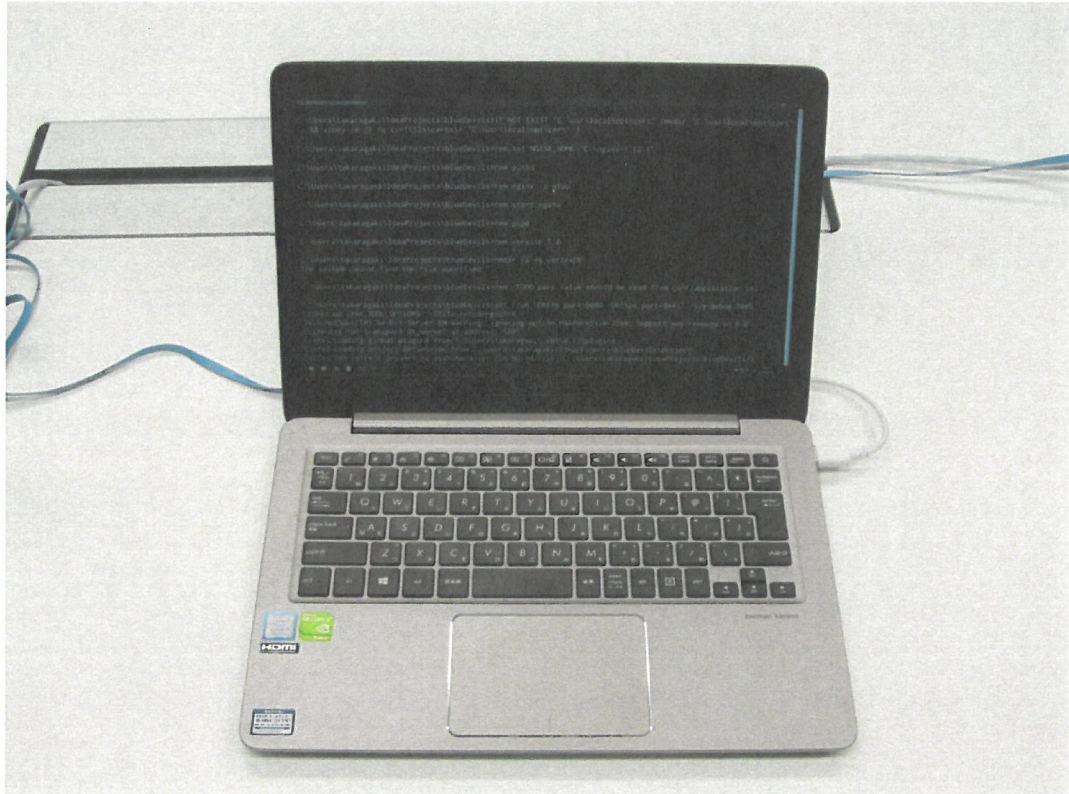


Photo 2: Test Sample(Laptop 1)

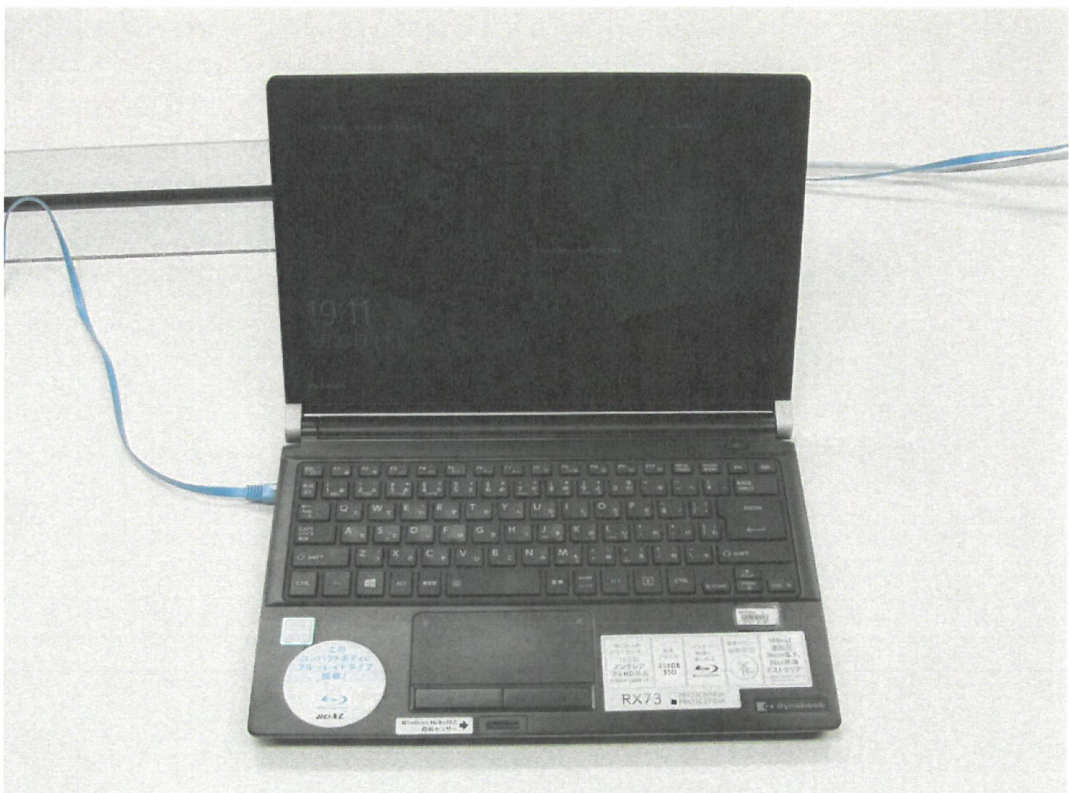


Photo 3: Test Sample(Laptop 2)

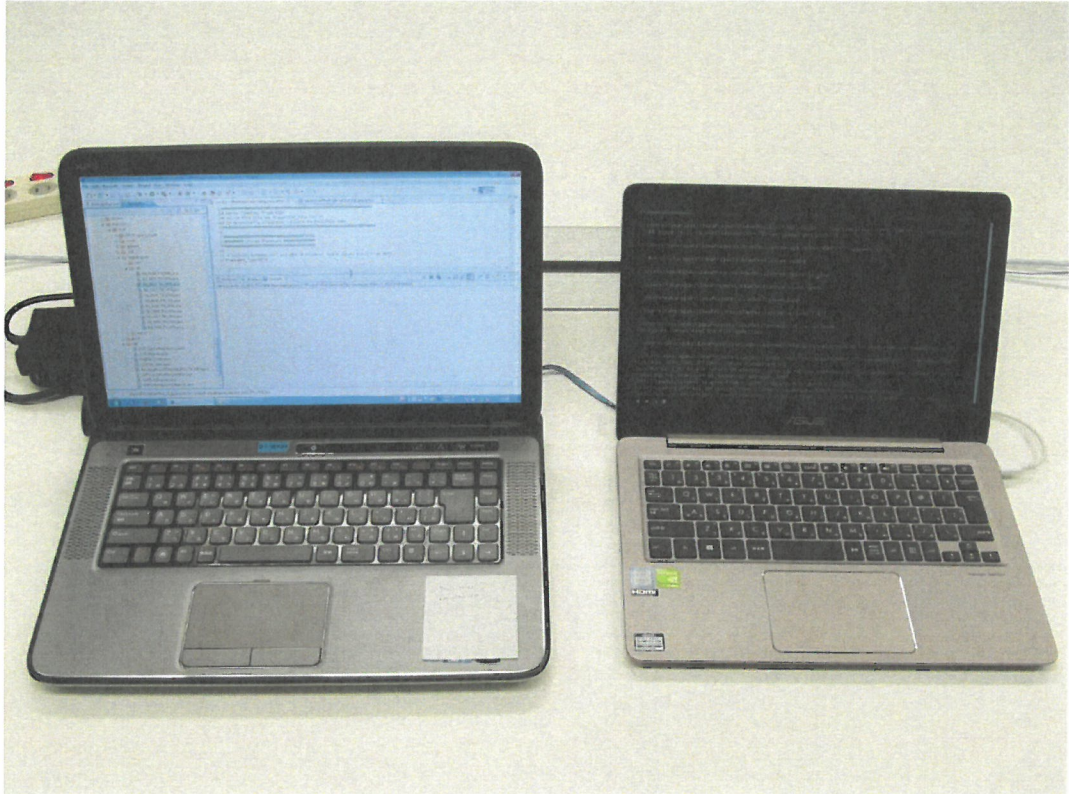


Photo 4: Test Setup(Laptop 1)

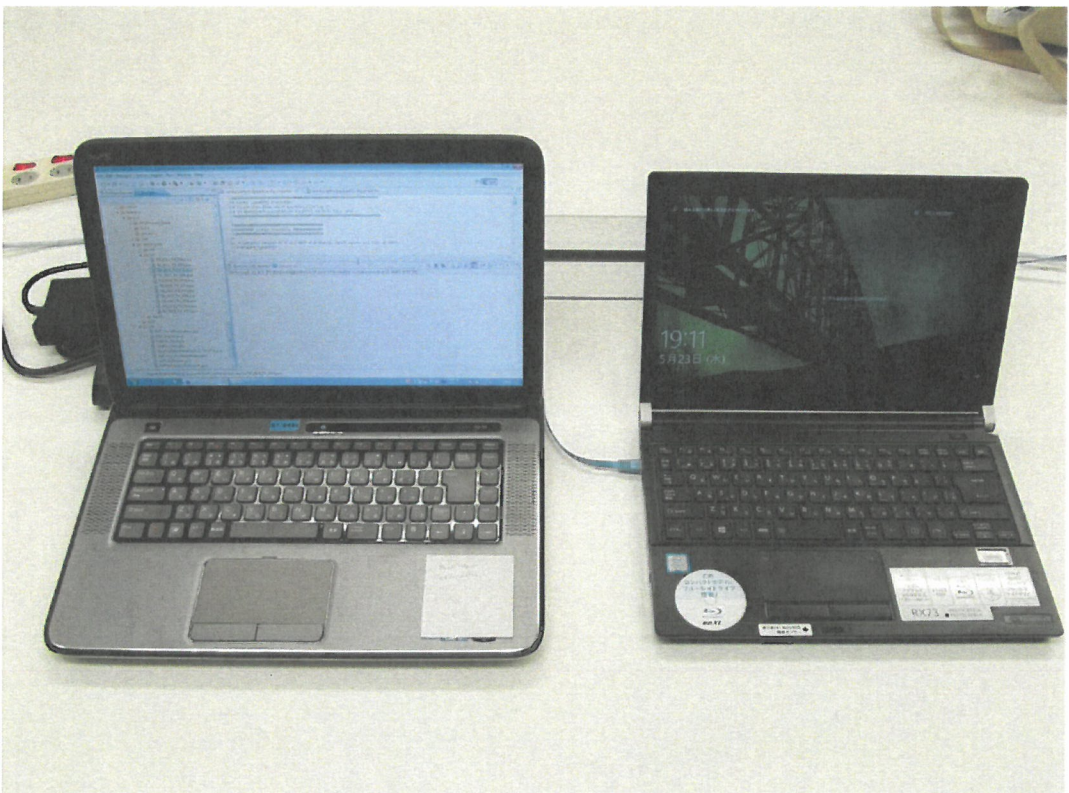


Photo 5: Test Setup(Laptop 2)