

Prüfbericht - Nr.: 50038615 001 <i>Test Report No.</i>		Seite 1 von Page of 11	
Auftraggeber: Azbil Corporation Fujisawa Technology Center <i>Client:</i> 1-12-2 Kawana, Fujisawa-shi, Kanagawa 251-8522, Japan			
Gegenstand der Prüfung: DR Device <i>Test item:</i>			
Bezeichnung: Azbil DR SYSTEM <i>Identification:</i>		Serien-Nr.: N/A <i>Serial No.</i>	
Wareneingangs-Nr.: A000335523-001 <i>Receipt No.:</i>		Eingangsdatum: 2016-03-28 <i>Date of receipt:</i>	
Zustand des Prüfgegenstandes bei Anlieferung: Test item complete and undamaged <i>Condition of test item at delivery:</i>			
Prüfort: TÜV Rheinland Japan Ltd. <i>Testing location:</i> Global Technology Assessment Center 4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Japan			
Prüfgrundlage: OpenADR 2.0b Certification Test Specification v1.0.7 <i>Test specification:</i>			
Prüfergebnis: Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>Test Result:</i> <i>The test item passed the test specification(s).</i>			
Prüflaboratorium: TÜV Rheinland Japan Ltd. <i>Testing Laboratory:</i> Global Technology Assessment Center 4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Japan			
geprüft / tested by 2016-04-04, Tam Tran Thanh Datum Date Unterschrift Signature 		kontrolliert / reviewed by: 2016-04-05, Olga Kozeruk Datum Date Unterschrift Signature 	
Sonstiges / Other Aspects:			
Abkürzungen: OK, Pass = entspricht Prüfgrundlage Fail = entspricht nicht Prüfgrundlage N/A = nicht anwendbar Abbreviations: OK, Pass = passed Fail = failed N/A = not applicable			
Dieser Prüfbericht bezieht sich nur auf den o.g. Prüfgegenstand und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test item. 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 on this or similar products.</i>			

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1. General Product Information

1.1 Client Information

Company name:	see page 1
Address:	see page 1
Contact Person:	Isao Hayakawa Mizu Nakamura
Phone:	+81-466-20-2111
Fax:	N/A
Email:	i.hayakawa.j3@azbil.com m.nakamura.5c@azbil.com

1.2 General SUT Information

[The system under test is software implementation of OpenADR protocol installed on laptop.]

Serial number:	N/A
Hardware version:	N/A
Firmware version:	1.0

1.3 General EUT Description

Equipment under test:	see page 1
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1.4 Type of Product

Product type:	VEN
OpenADR profile:	2.0b
Mode:	Pull
Transport:	Simple HTTP
Security:	Standard Security

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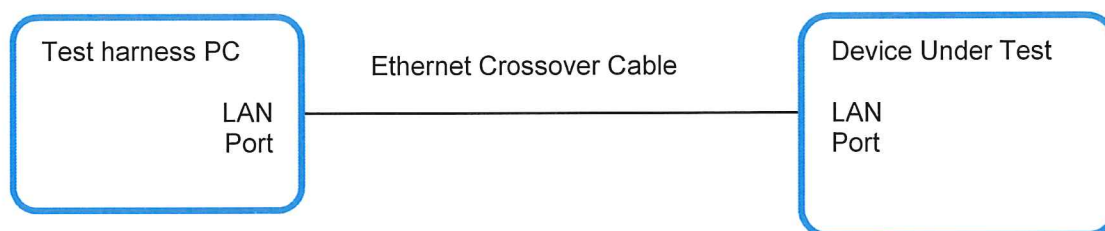
2. Testing Laboratory

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

2.1 Test Equipment

Instrument	Manufacturer	Model Number	Version/Errata
Test tool	Quality Logic	OpenADR2.0bCertTest	1.0.7

2.2 Test Setup



2.3 Environmental Conditions

Temperature: 19°C to 25°C
Relative humidity: 25% to 75%
Testing date: 2016-03-28

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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 VEN Pull Tests

4.1.1 EiRegisterParty Service

No.	Test Case	Date	Result	Log
1	N1_0010_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_101536_201.txt
2	N1_0015_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_102308_717.txt
3	N1_0020_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_102019_261.txt
4	N1_0025_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_102921_304.txt
5	N1_0030_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_102714_249.txt
6	N1_0040_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_103249_149.txt
7	N1_0050_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_103643_788.txt
8	N1_0060_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_103942_325.txt
9	N1_0065_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_104317_645.txt
10	N1_0070_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_104619_277.txt
11	N1_0080_TH_VTN_1	3/28/2016	NA	TraceLog_032816_104951_015.txt

4.1.2 EiOpt Service

No.	Test Case	Date	Result	Log
1	P1_2010_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_105220_051.txt
2	P1_2015_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_105511_826.txt
3	P1_2020_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_105749_429.txt
4	P1_2030_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_110152_623.txt
5	P1_2040_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_111002_356.txt
6	P1_2050_TH_VTN_1	3/28/2016	NA	TraceLog_032816_111409_076.txt

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4.1.3 EiReport Service

No.	Test Case	Date	Result	Log
1	R1_3010_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_111912_321.txt
2	R1_3020_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_112216_227.txt
3	R1_3025_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_112656_703.txt
4	R1_3027_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_113131_933.txt
5	R1_3030_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_113729_427.txt
6	R1_3040_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_114202_297.txt
7	R1_3045_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_114529_533.txt
8	R1_3050_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_115213_870.txt
9	R1_3060_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_115504_566.txt
10	R1_3070_TH_VTN_1	3/28/2016	SKIP	
11	R1_3080_TH_VTN_1	3/28/2016	SKIP	
12	R1_3090_TH_VTN_1	3/28/2016	SKIP	
13	R1_3100_TH_VTN_1	3/28/2016	SKIP	
14	R1_3120_TH_VTN_1	3/28/2016	SKIP	
15	R1_3130_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_130736_507.txt
16	R1_3140_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_131124_898.txt
17	R1_3150_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_131422_679.txt
18	R1_3160_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_131713_018.txt
19	R1_3170_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_132439_803.txt
20	R1_3180_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_132956_586.txt
21	R1_3190_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_133301_134.txt

4.1.4 EiEvent Service

No.	Test Case	Date	Result	Log
1	E1_1010_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_133732_768.txt
2	E1_1020_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_133912_051.txt
3	E1_1025_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_134124_736.txt
4	E1_1027_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_134343_881.txt
5	E1_1030_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_134538_748.txt
6	E1_1040_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_134820_475.txt
7	E1_1050_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_135115_005.txt
8	E1_1055_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_135339_502.txt
9	E1_1060_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_135639_880.txt
10	E1_1065_TH_VTN_1	3/28/2016	NA	TraceLog_032816_140007_453.txt
11	E1_1070_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_140029_255.txt
12	E1_1080_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_140223_058.txt
13	E1_1090_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_140439_801.txt

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4.1.5 EiEvent Ported A Profile

No.	Test Case	Date	Result	Log
1	A_E1_0020_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_141400_607.txt
2	A_E1_0040_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_141720_021.txt
3	A_E1_0060_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_141944_998.txt
4	A_E1_0070_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_142214_975.txt
5	A_E1_0082_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_142403_932.txt
6	A_E1_0086_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_142540_509.txt
7	A_E1_0090_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_142735_254.txt
8	A_E1_0092_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_142937_824.txt
9	A_E1_0094_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_143213_978.txt
10	A_E1_0096_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_143411_074.txt
11	A_E1_0098_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_143630_817.txt
12	A_E1_0100_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_143851_109.txt
13	A_E1_0102_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_144128_763.txt
14	A_E1_0104_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_144413_714.txt
15	A_E1_0110_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_144639_057.txt
16	A_E1_0130_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_144848_144.txt
17	A_E1_0180_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_145141_370.txt
18	A_E1_0190_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_145501_654.txt
19	A_E1_0200_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_145721_120.txt
20	A_E1_0210_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_150635_139.txt
21	A_E1_0220_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_151225_664.txt
22	A_E1_0230_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_151822_052.txt
23	A_E1_0240_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_152536_599.txt
24	A_E1_0250_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_152832_164.txt
25	A_E1_0260_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_154845_710.txt
26	A_E1_0262_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_160812_558.txt
27	A_E1_0267_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_162637_498.txt
28	A_E1_0268_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_164302_425.txt
29	A_E1_0270_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_164853_072.txt
30	A_E1_0280_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_165540_877.txt
31	A_E1_0285_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_165833_918.txt
32	A_E1_0300_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_170055_400.txt
33	A_E1_0310_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_170311_240.txt
34	A_E1_0340_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_170558_397.txt
35	A_E1_0345_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_170809_674.txt
36	A_E1_0360_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_170950_660.txt
37	A_E1_0370_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_171140_366.txt
38	A_E1_0390_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_171443_764.txt

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39 A_E1_0392_TH_VTN_1 3/28/2016 PASS TraceLog_032816_171614_813.txt

4.1.6 General Tests

No.	Test Case	Date	Result	Log
1	G1_4005_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_172508_482.txt
2	G1_4007_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_173409_530.txt
3	G1_4010_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_173916_122.txt
4	G1_4015_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_174226_432.txt
5	G1_4030_TH_VTN_1	3/28/2016	PASS	TraceLog_032816_174444_410.txt

Appendix A: Remarks and References

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).

Appendix B: Photos

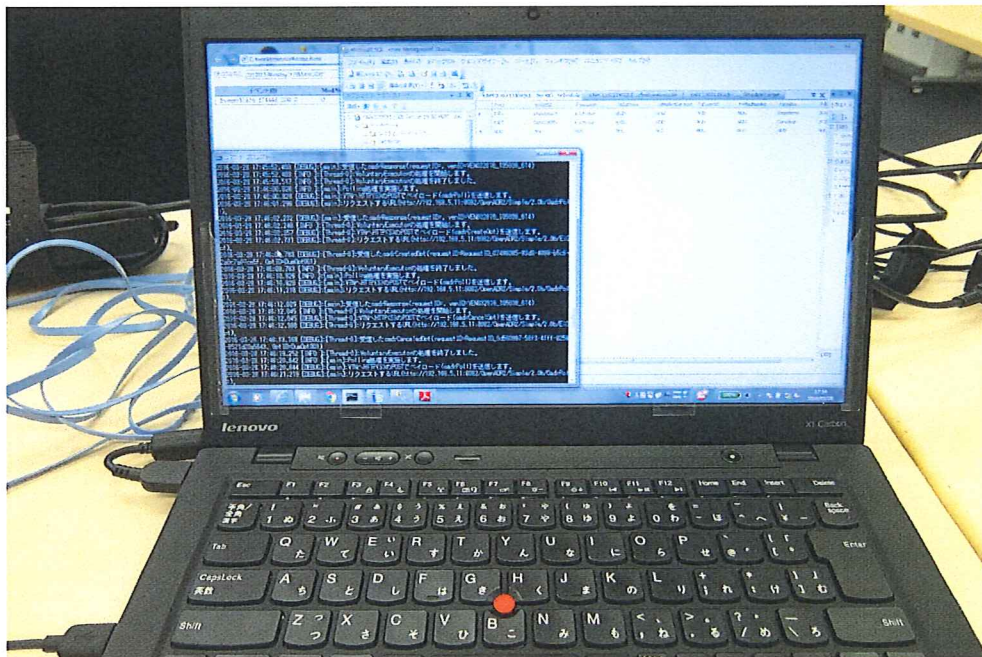


Photo 1: DUT

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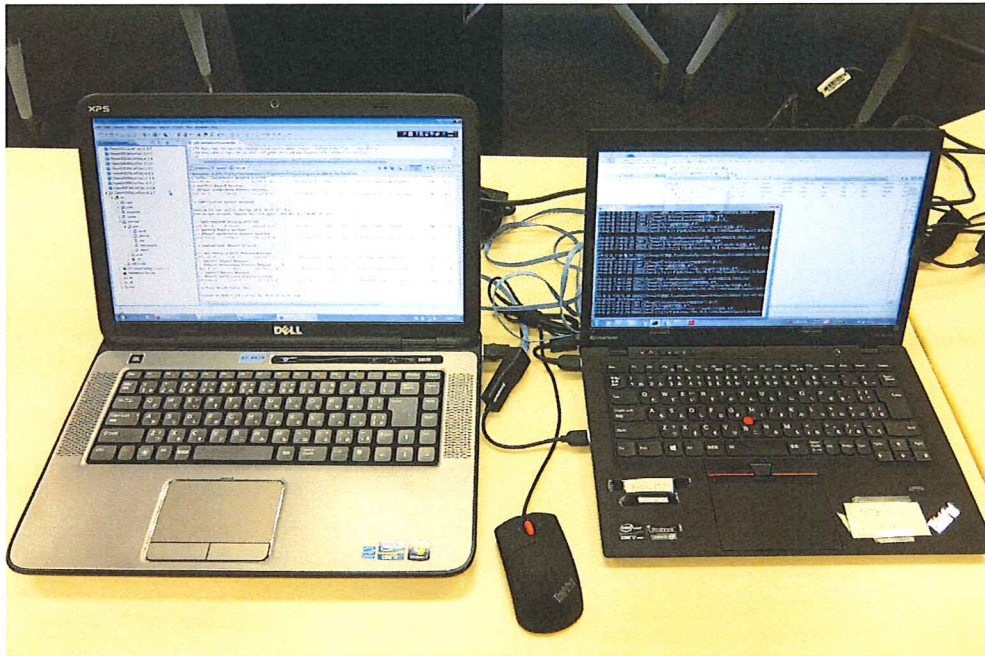


Photo 2: Test Setup