

ONVIF Device Test Tool v16.01

Release Notes

Jan, 2016

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Release information

ONVIF Device Test Tool version v16.01 was released in Jan 2016. It replaces the previous release, version v15.06. There will be a grace period of three (3) months for version v15.06. ONVIF members shall after this grace period only declare conformance to this ONVIF Device Test Tool version v15.06.

Test Tool Version History

Version	Date	Update	Valid for Conformance
16.01	2016-01-30	Service release for conformance of Profile S, Profile C, Profile G and ONVIF Test Specification v16.01.	Valid until next update
15.06	2015-07-31	Service release for conformance of Profile S, Profile C, Profile G and ONVIF Test Specification v15.06. Introduction of new test cases for Advanced security and Profile Q. First introduction of Profile A test cases.	Valid until April 30th 2016
14.12	2015-01-29	Service release for conformance of Profile S, Profile C, Profile G and ONVIF Test Specification v14.12. First introduction of Profile Q test cases. Introduction of new test cases for Advanced security.	Valid until October 31st 2015
14.06	2014-06-27	Service release for conformance of Profile S, Profile C and ONVIF Test Specification v14.06. Introduction of Profile G for conformance.. Introduction of new test cases for Advanced security.	Valid until April 30th 2015
13.12.SR1	2014-05-01	Service release for the 13.12 version to fix an reported issue that the Test Tool crashes in some of Real-time streaming test case execution even in conformance mode.	Valid until September 30th 2014
13.12	2013-12-22	Service release for conformance of Profile S and ONVIF Test Specification v13.12. Service release for Profile G Release Candidate. Introduction of Profile C for conformance. Introduction of new test cases for Advanced Security.	Valid until September 30th 2014
13.06	2013-06-25	Service release for conformance of Profile S and ONVIF Test Specification v13.06.	Valid until April 30 th 2014

		Service release for validation of Profile G Release Candidate. Introduction of test cases for Access Control and Door Control services.	
12.12	2012-12-19	Service release for conformance check for Profile S and ONVIF Test Specification v12.12. Introduction of test cases for Search, Recording Control, Receiver and Replay services.	Not Valid
12.06	2012-06-22	Service release for conformance check for Profile S and ONVIF Test Specification v12.06.	Not Valid
11.12	2011-12-22	Incorporates conformance check for Profile S and ONVIF Test Specification v11.12.	Not Valid
1.02.4	2011-07-25	Incorporates ONVIF Test Specification 1.02.4.	Not Valid
1.02.3	2011-04-04	Incorporates Event service test cases as well as Errata for Test Specification 1.02.2.	Not valid
1.02.2	2010-12-21	Incorporates ONVIF Test Specification v1.02.2.	Not valid
1.02.1	2010-08-06	Incorporates ONVIF Test Specification v1.02 and incorporating ONVIF Core Specification v1.02 updates.	Not valid
1.01	2009-12-14	Update to incorporate ONVIF Test Specification v1.01.	Not valid
1.0	2009-05-26	Initial version.	Not valid

Change Log, version v16.01

1. Incorporates ONVIF Test Specification version v16.01. This version contains some update in Base Test Specification, Real-Time Streaming Test Specification and Profile Q Test Specification.

Known limitations, version v16.01

1. Requires Windows 7 or later with Microsoft .NET framework v4.0 and at least 4GB of memory.
2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. Bouncy Castle cryptography library needs to be installed to run the advanced security test cases.

Known Bugs, version v16.01

1. Possible rare issue with the Diagnostic mode preview window for RTSP streaming test cases.
2. There has been a reported problem that some of the JPEG RTP Extension in some DUT is failed. See Errata document for the Device Test Tool for the details.

Change Log, version v15.06

1. Incorporates ONVIF Test Specification version v15.06. This version contains increased functionality coverage of ONVIF Network Specification set v2.5 and Profile S, Profile C and Profile G.
2. Profile Q test cases have been updated based on the provided feedback.
3. Introduces new test cases for Profile A related services.
4. Introduces new test cases for Advanced Security features.

Known limitations, version v15.06

1. Requires Windows 7 or later with Microsoft .NET framework v4.0 and at least 4GB of memory.
2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. Bouncy Castle cryptography library needs to be installed to run the advanced security test cases.
4. It was reported that the Tool closes its test execution whose root cause has not yet been identified. It was reported that if increasing 'Operation Delay' might be helpful to avoid this issue.

Known bugs, version v15.06

3. Possible rare issue with the Diagnostic mode preview window for RTSP streaming test cases.
4. There has been a reported problem that some of the JPEG RTP Extension in some DUT is failed. See Errata document for the Device Test Tool for the details.

Change Log, version v14.12

1. Incorporates ONVIF Test Specification version v14.12. This version contains increased functionality coverage of ONVIF Network Specification set v2.5 and Profile S, Profile C and Profile G.
2. Introduces Profile Q test cases which is targeted to be conformance mode in the next release.
3. Introduces new test cases for Advanced Security features.

Known limitations, version v14.12

1. Requires Windows 7 or later with Microsoft .NET framework v4.0 and at least 4GB of memory.
2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. Bouncy Castle cryptography library needs to be installed to run the advanced security test cases.
4. Although the exact version indication of the Test Tool should be v14.12, it was mentioned as v14.12.SR1 in couple of places such as icons, installation wizard etc..
5. It was reported that the Tool closes its test execution whose root cause has not yet been identified. It was reported that if increasing 'Operation Delay' might be helpful to avoid this issue.

Change Log, version v14.06

1. Incorporates ONVIF Test Specification version v14.06. This version contains increased functionality coverage of ONVIF Network Specification set v2.4.2 and Profile S and Profile C.
2. Introduces Profile G for conformance.
3. Introduces new test cases for Advanced Security features.

Known limitations, version v14.06

1. Requires Windows 7 or later with Microsoft .NET framework v4.0 and at least 4GB of memory.
2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. There have been reported problems with discovery on computers with multiple network interface cards. Therefore it is recommended installing the test tool on computers with only one network interface card.
4. Bouncy Castle cryptography library needs to be installed to run the advanced security test cases.

Known bugs, version v14.06

1. Possible rare issue with the Diagnostic mode preview window for RTSP streaming test cases.
2. There have been a reported problem that some of the JPEG RTP Extension in some DUT is failed. See Errata document for the Device Test Tool for the details.

Change Log, version v13.12.SR1

1. Fix the reported problem of recurring tool crashes issue when executing some streaming test cases in conformance mode.

Known limitations, version v13.12.SR1

All the known limitations listed in v13.12 are applicable in this Service Release version.

Known bugs, version v13.12.SR1

All the known bugs except for 3rd bullet listed in v13.12 are applicable in this Service Release version.

Change Log, version v13.12

1. Incorporates ONVIF Test Specification version v13.12. This version contains increased functionality coverage of ONVIF Core Specification v2.4.1 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Incorporates clarifications and bug fixes for Profile G Release Candidate.
3. Introduces Profile C for conformance which cover Door Control and Access Control Test Specifications.
4. Introduces new test cases for Advanced Security features.

Known limitations, version v13.12

1. Requires Windows 7 or later with Microsoft .NET framework v4.0 and at least 4GB of memory.

2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. There have been reported problems with discovery on computers with multiple network interface cards. Therefore it is recommended installing the test tool on computers with only one network interface card.
4. Bouncy Castle cryptography library needs to be installed to run the advanced security test cases.

Known bugs, version v13.12

1. Receiver service test cases still under investigation for possible issues.
2. Possible rare issue with the Diagnostic mode preview window for RTSP streaming test cases.
3. Recurring tool crashes issue when executing some streaming test cases in conformance mode. Frequency of encountering this issue is dependent on a DUT's video encoder configuration.

Change Log, version v13.06

1. Incorporates ONVIF Test Specification version v13.06. This version contains increased functionality coverage of ONVIF Core Specification v2.3 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Additional test cases for the Recording Control service of ONVIF Core Specification v2.3 for Profile G Release Candidate.
3. Introduces new test cases for the Access Control and Door Control services of ONVIF Core Specification v2.3 for Profile C Release Candidate.
4. Improved the usability of the ONVIF Device Test Tool including listing of hardware and manufacturer scopes and possibility to sort on any column in Discovery tab. RTSP requests and responses will now be outputted in the test results for all test cases that use RTSP.

Known limitations, version v13.06

1. Requires Windows XP, Windows Vista, Windows 7, Windows Server 2003, or Windows Server 2008, with Microsoft .NET framework v3.5 SP1 and at least 4GB of memory.
2. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
3. There have been reported problems with discovery on computers with multiple network interface cards. Therefore it is recommended installing the test tool on computers with only one network interface card.

Known bugs, version v13.06

1. Some PACS tests failed without warning if OperationDelay equals to 0.
2. [ACCESSCONTROL-5-1-2] Strange sequence of steps and warning message.
3. Profile G detection: Some device features are defined via DeviceIO service instead of Media service.
4. In rare occasion streaming test cases that includes video decoding can fail on Windows XP machine. It is recommended to use the tool on a more recent version of Windows if such issues are encountered.

Change Log, version v12.12

1. Incorporates ONVIF Test Specification version v12.12. This version contains increased functionality coverage of ONVIF Core Specification v2.3 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Introduces test cases for the Recording Control, Receiver, Replay and Search services of ONVIF Core Specification v2.3 in prevision of introduction of Profile G.
3. Improved the usability of the ONVIF Device Test Tool including the possibility of running the tool as if every feature was supported, the ability to save and load configuration files and to expand/contract the test tree using the right-click contextual menu.

Change Log, version v12.06

1. Incorporates ONVIF Test Specification version v12.06. This version contains increased functionality coverage of ONVIF Core Specification v2.2 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Fixed support of 64-bit Windows OS.
3. Updated the ffdshow version to revision 4422.
4. Refactored the Test Tool to support multiple profile conformances in prevision of introduction of Profile G.
5. Improved the usability of the ONVIF Device Test Tool including the possibility of repeating the current test run, the ability to see previous test case details while other test cases are running, and to run the Test Tool from Command Prompt which starts a test run immediately and generates a test report at the end.

Change Log, version v11.12

1. Incorporates ONVIF Test Specification version v11.12. This version contains increased functionality coverage of ONVIF Core Specification v.1.02. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. The ONVIF Device Test Tool includes conformance check for Profile S.
3. The test cases listed in ONVIF Imaging Test Specification v11.12 have been included in this version of ONVIF Device Test Tool.
4. Feature Discovery mechanism has been included in this version of ONVIF Device Test Tool.
5. HTTP Digest Authentication has been added in this version of ONVIF Device Test Tool.
6. Considerable changes have been done to the GUI.