

ONVIF[™]

Client Test Specification v17.06

Release Notes

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Overview

Important:

This ONVIF Test Specification v17.06 replaces the previously released version 16.12 along with the errata accepted. As of Oct 1st 2017 ONVIF members shall only declare conformance of a product with ONVIF specifications regarding this Test Specification v17.06.

- Test Cases Added
 - 5 test cases in Core Client
 - 4 test cases in Analytics
 - 44 test cases in Profile T
 - 9 test cases in PTZ
- Test cases modified
 - 9 test cases in Core Client
 - 3 test cases in Profile G
 - 18 test cases in Profile S
- Test cases moved
 - 15 test cases moved from Profile S Client Test Specification to PTZ Client Test Specification

Deprecated Test Cases

No test cases were deprecated in this version.

New Test Cases

The following tables lists all test cases that are newly introduced in this version.

Core Client

Test Case ID	Test Case Name
GETSERVICES-1	GET SERVICES
ADVANCEDEVENTHANDLING-1	SET SYNCHRONIZATION POINT
ADVANCEDEVENTHANDLING-2	UNSUBSCRIBE
AUXILIARYCOMMANDS-1	SEND AUXILIARY COMMAND
HTTPDIGESTFORRTSP-1	HTTP DIGEST AUTHENTICATION FOR RTSP

Analytics

Test Case ID	Test Case Name
GETSUPPORTEDRULES-1	GET SUPPORTED RULES
GETRULES-1	GET RULES
MOTIONDETECTION-1	GET MOTION REGION DETECTOR RULE OPTIONS
MOTIONDETECTION-2	CREATE MOTION REGION DETECTOR RULE

Profile T

Test Case ID	Test Case Name
MEDIA2_GETPROFILES-1	GET PROFILES USING MEDIA2
MEDIA2_GETSTREAMURI-1	GET STREAM URI USING MEDIA2
MEDIA2_MEDIASTREAMING-1	STREAMING OVER RTSP USING MEDIA2
MEDIA2_MEDIASTREAMING-2	STREAMING OVER UDP USING MEDIA2
MEDIA2_MEDIASTREAMING-3	STREAMING OVER HTTP USING MEDIA2
MEDIA2_VIDEOSTREAMING-1	H264 VIDEO STREAMING USING MEDIA2
MEDIA2_VIDEOSTREAMING-2	H265 VIDEO STREAMING USING MEDIA2
MEDIA2_VIDEOENCODERCONFIGURATION-1	GET VIDEO ENCODER CONFIGURATION OPTIONS USING MEDIA2
MEDIA2_VIDEOENCODERCONFIGURATION-2	SET VIDEO ENCODER CONFIGURATION USING MEDIA2
MEDIA2_AUDIOENCODERCONFIGURATION-1	GET AUDIO ENCODER CONFIGURATIONS USING MEDIA2
MEDIA2_AUDIOENCODERCONFIGURATION-2	GET AUDIO ENCODER CONFIGURATION OPTIONS USING MEDIA2
MEDIA2_AUDIOENCODERCONFIGURATION-3	SET AUDIO ENCODER CONFIGURATION USING MEDIA2
MEDIA2_AUDIOSTREAMING-1	G.711 AUDIO STREAMING USING MEDIA2
MEDIA2_AUDIOSTREAMING-2	AAC AUDIO STREAMING USING MEDIA2
MEDIA2_AUDIOPROFILECONFIGURATION-1	ADD AUDIO SOURCE CONFIGURATION USING MEDIA2

MEDIA2_AUDIOPROFILECONFIGURATION-2	CREATE MEDIA PROFILE WITH AUDIO SOURCE CONFIGURATION USING MEDIA2
MEDIA2_AUDIOPROFILECONFIGURATION-3	GET AUDIO ENCODER CONFIGURATIONS COMPATIBLE WITH PROFILE USING MEDIA2
MEDIA2_AUDIOPROFILECONFIGURATION-4	ADD AUDIO ENCODER CONFIGURATION USING MEDIA2
MEDIA2_AUDIOBACKCHANNELSTREAMING-1	G.711 AUDIO BACKCHANNEL STREAMING USING MEDIA2
MEDIA2_AUDIOBACKCHANNELSTREAMING-2	AAC AUDIO BACKCHANNEL STREAMING USING MEDIA2
MEDIA2_AUDIOOUTPUTPROFILECONFIGURATION-1	ADD AUDIO OUTPUT CONFIGURATION USING MEDIA2
MEDIA2_AUDIOOUTPUTPROFILECONFIGURATION-2	CREATE MEDIA PROFILE WITH AUDIO OUTPUT CONFIGURATION USING MEDIA2
MEDIA2_AUDIOOUTPUTPROFILECONFIGURATION-3	GET AUDIO DECODER CONFIGURATIONS COMPATIBLE WITH PROFILE USING MEDIA2
MEDIA2_AUDIOOUTPUTPROFILECONFIGURATION-4	ADD AUDIO DECODER CONFIGURATION USING MEDIA2
MEDIA2_ANALYTICSPROFILECONFIGURATION-1	GET ANALYTICS CONFIGURATIONS COMPATIBLE WITH PROFILE USING MEDIA2
MEDIA2_ANALYTICSPROFILECONFIGURATION-2	ADD ANALYTICS CONFIGURATION USING MEDIA2
VIDEOSOURCEMODE-1	GET VIDEO SOURCE MODES
VIDEOSOURCEMODE-2	SET VIDEO SOURCE MODES
MEDIA2_AUDIOSOURCECONFIGURATION-1	GET AUDIO SOURCE CONFIGURATIONS USING MEDIA2
MEDIA2_AUDIOSOURCECONFIGURATION-2	GET AUDIO SOURCE CONFIGURATION OPTIONS USING MEDIA2
MEDIA2_AUDIOSOURCECONFIGURATION-3	SET AUDIO SOURCE CONFIGURATION USING MEDIA2
MEDIA2_AUDIOOUTPUTCONFIGURATION-1	GET AUDIO OUTPUT CONFIGURATIONS USING MEDIA2
MEDIA2_AUDIOOUTPUTCONFIGURATION-2	GET AUDIO OUTPUT CONFIGURATION OPTIONS USING MEDIA2
MEDIA2_AUDIOOUTPUTCONFIGURATION-3	SET AUDIO OUTPUT CONFIGURATION USING MEDIA2
MEDIA2_AUDIODECODERCONFIGURATION-1	GET AUDIO DECODER CONFIGURATIONS USING MEDIA2
MEDIA2_AUDIODECODERCONFIGURATION-2	GET AUDIO DECODER CONFIGURATION OPTIONS USING MEDIA2
MEDIA2_AUDIODECODERCONFIGURATION-3	SET AUDIO DECODER CONFIGURATION USING MEDIA2
MEDIA2_LISTVIDEOSOURCECONFIGURATIONS-1	LIST VIDEO SOURCE CONFIGURATIONS USING MEDIA2
MEDIA2_OSDCONFIGURATION-1	GET OSD CONFIGURATIONS USING MEDIA2
MEDIA2_OSDCONFIGURATION-2	CREATE TEXT OSD USING MEDIA2
MEDIA2_OSDCONFIGURATION-3	CREATE IMAGE OSD USING MEDIA2
MEDIA2_OSDCONFIGURATION-4	GET OSD OPTIONS USING MEDIA2
MEDIA2_OSDCONFIGURATION-5	SET OSD USING MEDIA2
MEDIA2_GETSNAPSHOTURI-1	GET SNAPSHOT URI USING MEDIA2

PTZ

Test Case ID	Test Case Name
PTZUSINGMEDIA2ABSOLUTEPOSITIONING-1	PTZ ABSOLUTE MOVE PAN/TILT SPHERICAL POSITION SPACE DEGREES
PTZUSINGMEDIA2ABSOLUTEPOSITIONING-2	PTZ ABSOLUTE MOVE PAN/TILT POSITION GENERIC SPACE
PTZUSINGMEDIA2ABSOLUTEPOSITIONING-3	PTZ ABSOLUTE MOVE ZOOM POSITION GENERIC SPACE
PTZUSINGMEDIA2CONTINUOUSPOSITIONING-1	PTZ CONTINUOUS MOVE PAN/TILT VELOCITY GENERIC SPACE
PTZUSINGMEDIA2CONTINUOUSPOSITIONING-2	PTZ CONTINUOUS MOVE ZOOM VELOCITY GENERIC SPACE
PTZSETPRESET-1	PTZ SET PRESET
PTZGETCOMPATIBLECONFIGURATIONS-1	PTZ GET COMPATIBLE CONFIGURATIONS
PTZUSINGMEDIA2PROFILECONFIGURATION-1	ADD PTZ CONFIGURATION USING MEDIA2
PTZSETCONFIGURATION-1	PTZ SET CONFIGURATION

Modified Test Cases

The following tables list all test cases that have been modified in this version.

Core Client

Test Case ID	Test Case Name
RELAYOUTPUTS-1	GET RELAY OUTPUTS
RELAYOUTPUTS-2	SET RELAY OUTPUT STATE
RELAYOUTPUTS-3	SET RELAY OUTPUT SETTINGS BISTABLE MODE
RELAYOUTPUTS-4	SET RELAY OUTPUT SETTINGS MONOSTABLE MODE
EVENTHANDLING-3	METADATA STREAMING
USERHANDLING-1	CREATE USERS
USERHANDLING-2	GET USERS
USERHANDLING-3	SET USER
USERHANDLING-4	DELETE USERS

Profile G

Test Case ID	Test Case Name
REPLAYCONTROL-2	MJPEG REPLAY RECORDING
REPLAYCONTROL-3	MPEG4 REPLAY RECORDING
REPLAYCONTROL-4	H264 REPLAY RECORDING

Profile S

Test Case ID	Test Case Name
VIDEOENCODERCONFIGURATIONS-1	LIST VIDEO ENCODER CONFIGURATIONS
MEDIAPROFILECONFIGURATIONS-1	LIST AVAILABLE MEDIA PROFILES
MEDIAPROFILECONFIGURATIONS-3	CREATE A MEDIA PROFILE
MEDIASTREAMING-1	GET PROFILES
MEDIASTREAMING-2	GET STREAM URI
MEDIASTREAMING-3	STREAMING OVER RTSP
MEDIASTREAMING-4	STREAMING OVER UDP
MEDIASTREAMING-5	STREAMING OVER HTTP
VIDEOSOURCECONFIGURATIONS-1	LIST VIDEO SOURCE CONFIGURATIONS
VIDEOSTREAMING-1	MJPEG VIDEO STREAMING
VIDEOSTREAMING-2	MPEG4 VIDEO STREAMING
VIDEOSTREAMING-3	H264 VIDEO STREAMING
AUDIOSTREAMING-2	G.711 AUDIO STREAMING
AUDIOSTREAMING-3	G.726 AUDIO STREAMING

AUDIOSTREAMING-4	AAC AUDIO STREAMING
MULTICASTSTREAMING-1	MULTICAST STREAMING USING RTSP
MULTIPLEVIDEOSOURCES-1	STREAMING WITH ALL VIDEO SOURCES DETECTED IN GET PROFILES
MULTIPLEAUDIOSOURCES-1	STREAMING WITH ALL AUDIO SOURCES DETECTED IN GET PROFILES

Test Cases moved

From Profile S Client Test Specification to PTZ Client Test Specification

Test Case ID	Test Case Name
PTZLISTING-1	GET NODES
PTZLISTING-2	GET NODE
PTZCONFIGURATION-1	ADD PTZ CONFIGURATION
PTZCONTINUOUSPOSITIONING-1	PTZ CONTINUOUS MOVE PAN/TILT
PTZCONTINUOUSPOSITIONING-2	PTZ CONTINUOUS MOVE ZOOM
PTZCONTINUOUSPOSITIONING-3	PTZ STOP
PTZCONTINUOUSPOSITIONING-4	STOP MOVEMENT USING PTZ CONTINUOUS MOVE
PTZABSOLUTEPOSITIONING-1	PTZ ABSOLUTE MOVE PAN/TILT
PTZABSOLUTEPOSITIONING-2	PTZ ABSOLUTE MOVE ZOOM
PTZRELATIVEPOSITIONING-1	PTZ RELATIVE MOVE PAN/TILT
PTZRELATIVEPOSITIONING-2	PTZ RELATIVE MOVE ZOOM
PTZPRESETS-1	PTZ GET PRESETS
PTZPRESETS-2	PTZ GOTO PRESET
PTZHOMEPOSITION-1	PTZ HOME POSITION
PTZAUXILIARYCOMMAND-1	PTZ SEND AUXILIARY COMMAND

List of Client Test Specification Documents

Document	Release Date
ONVIF_Advanced_Security_Client_Test_Specification.pdf	July 2017
ONVIF_Analytics_Client_Test_Specification.pdf#	July 2017
ONVIF_Audio_Backchannel_Client_Test_Specification.pdf	July 2017
ONVIF_Core_Client_Test_Specification.pdf	July 2017
ONVIF_DeviceIO_Client_Test_Specification.pdf	July 2017
ONVIF_Imaging_Client_Test_Specification.pdf	July 2017
ONVIF_OSD_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_A_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_C_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_G_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_Q_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_S_Client_Test_Specification.pdf	July 2017
ONVIF_Profile_T_Client_Test_Specification.pdf*#	July 2017
ONVIF_PTZ_Client_Test_Specification.pdf#	July 2017

Notes

*The test specification document is related to a not yet released Profile T and will get adapted along the profile development and hence will be mature only with the final release of the profile specification.

Introduced in this version