

ONVIF[™]
Test Specification v19.12
Release Notes

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Overview

Important:

This ONVIF Test Specification v19.12 replaces the previously released version DTT v19.06 along with the errata accepted. As of April 1st, 2020, ONVIF members shall only declare conformance of a product with ONVIF Test Specification v19.12.

- Test cases added
 - 4 test cases in Analytics Engine
 - 17 test cases in Door Control
 - 6 test cases in Media2 Configuration
- Test cases modified
 - 6 test cases in Analytics Engine
 - 2 test cases in Device IO
 - 4 test cases in Imaging
 - 2 test cases in Media Configuration
 - 3 test cases in Media2 Configuration
 - 135 test cases in Real Time Streaming using Media
 - 29 test cases in Real Time Streaming using Media2
 - 47 test cases in Replay
- Test cases removed
 - 1 test case in Real Time Streaming using Media

Deprecated Test Cases

No test cases were deprecated in this version.

Added Test Cases

The following tables list all test cases added in this version.

Analytics Engine

Test Case ID	Test Case Name
ANALYTICS-4-1-1	GET SUPPORTED ANALYTICS MODULES
ANALYTICS-4-1-2	GET ANALYTICS MODULE OPTIONS
ANALYTICS-4-1-3	GET ANALYTICS MODULES
ANALYTICS-4-1-5	OBJECT CLASSIFICATION METADATA

Door Control

Test Case ID	Test Case Name
DOORCONTROL-8-1-1	GET DOORS
DOORCONTROL-8-1-2	GET DOOR LIST - LIMIT
DOORCONTROL-8-1-3	GET DOOR LIST - START REFERENCE AND LIMIT
DOORCONTROL-8-1-4	GET DOOR LIST - NO LIMIT
DOORCONTROL-8-1-5	CREATE DOOR (DOOR CAPABILITIES TRUE)
DOORCONTROL-8-1-6	CREATE DOOR (DOOR CAPABILITIES FALSE)
DOORCONTROL-8-1-7	MODIFY DOOR
DOORCONTROL-8-1-8	DELETE DOOR
DOORCONTROL-8-1-9	GET DOORS WITH INVALID TOKEN
DOORCONTROL-8-1-10	GET DOORS - TOO MANY ITEMS
DOORCONTROL-8-1-11	CREATE DOOR - NOT EMPTY DOOR TOKEN
DOORCONTROL-8-1-12	MODIFY DOOR WITH INVALID TOKEN
DOORCONTROL-8-1-13	DELETE DOOR WITH INVALID TOKEN
DOORCONTROL-8-1-14	CREATE NEW DOOR WITH SET DOOR (DOOR CAPABILITIES TRUE)

DOORCONTROL-8-1-15	CREATE NEW DOOR WITH SET DOOR (DOOR CAPABILITIES FALSE)
DOORCONTROL-8-1-16	MODIFY DOOR WITH SET DOOR
DOORCONTROL-8-1-17	SET DOOR - EMPTY DOOR TOKEN

Media2 Configuration

Test Case ID	Test Case Name
MEDIA2-8-1-2	GET METADATA CONFIGURATIONS
MEDIA2-8-1-3	PROFILES AND METADATA CONFIGURATIONS CONSISTENCY
MEDIA2-8-1-4	GET METADATA CONFIGURATIONS – INVALID TOKEN
MEDIA2-9-1-1	GET ANALYTICS CONFIGURATIONS
MEDIA2-9-1-2	PROFILES AND ANALYTICS CONFIGURATIONS CONSISTENCY
MEDIA2-9-1-3	GET ANALYTICS CONFIGURATIONS – INVALID TOKEN

Modified Test Cases

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

Analytics Engine

Test Case ID	Test Case Name
ANALYTICS-1-1-2	GET MOTION REGION DETECTOR RULE OPTIONS
ANALYTICS-1-1-3	CREATE MOTION REGION DETECTOR RULE
ANALYTICS-1-1-4	MODIFY MOTION REGION DETECTOR RULE
ANALYTICS-2-1-1	MOTION REGION DETECTOR EVENT
ANALYTICS-3-1-1	GET SERVICES AND GET ANALYTICS SERVICE CAPABILITIES CONSISTENCY
ANALYTICS-3-1-2	ANALYTICS SERVICE CAPABILITIES

Device I/O

Test Case ID	Test Case Name
DEVICEIO-1-2-3	IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE)
DEVICEIO-1-2-4	IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE)

Imaging

Test Case ID	Test Case Name
IMAGING-1-1-3	IMAGING COMMAND GETOPTIONS
IMAGING-1-1-8	IMAGING COMMAND SETIMAGINGSETTINGS – INVALID SETTINGS
IMAGING-1-1-15	IMAGING COMMAND SETIMAGINGSETTINGS ADDITIONAL FEATURES
IMAGING-1-1-16	GET IMAGING SETTINGS AND GET OPTIONS CONSISTENCY

Media2 Configuration

Test Case ID	Test Case Name
MEDIA2-1-1-3	DYNAMIC MEDIA PROFILE CONFIGURATION
MEDIA2-1-1-4	GET PROFILES
MEDIA2-3-2-3	GET AUDIO ENCODER CONFIGURATION OPTIONS

Media Configuration

Test Case ID	Test Case Name
MEDIA-1-1-5	DYNAMIC MEDIA PROFILE CONFIGURATION
MEDIA-3-1-7	GET AUDIO SOURCE CONFIGURATION OPTIONS

Real Time Streaming

Test Case ID	Test Case Name
RTSS-1-1-24	VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION (ALL RESOLUTIONS)
RTSS-1-1-25	VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION (ALL RESOLUTIONS)
RTSS-1-1-26	VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION (ALL RESOLUTIONS)
RTSS-1-1-27	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP)
RTSS-1-1-28	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-1-1-29	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP)
RTSS-1-1-31	MEDIA CONTROL – RTSP/TCP
RTSS-1-1-32	MEDIA STREAMING – RTSP KEEPALIVE (SET_PARAMETER)
RTSS-1-1-33	MEDIA STREAMING - RTSP KEEPALIVE (OPTIONS)
RTSS-1-1-34	MEDIA STREAMING – JPEG (RTP-Unicast / UDP)
RTSS-1-1-35	MEDIA STREAMING – JPEG (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-1-1-36	MEDIA STREAMING – JPEG (RTP/RTSP/TCP)
RTSS-1-1-37	MEDIA STREAMING – MPEG4 (RTP-Unicast/ UDP)
RTSS-1-1-38	MEDIA STREAMING – MPEG4 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-1-1-39	MEDIA STREAMING – MPEG4 (RTP/RTSP/TCP)
RTSS-1-1-40	SET SYNCHRONIZATION POINT – MPEG4
RTSS-1-1-41	MEDIA STREAMING – H.264 (RTP-Unicast/ UDP)
RTSS-1-1-42	MEDIA STREAMING – H.264 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-1-1-43	MEDIA STREAMING – H.264 (RTP/RTSP/TCP)
RTSS-1-1-44	SET SYNCHRONIZATION POINT – H.264
RTSS-1-1-45	MEDIA STREAMING – RTP-Unicast/RTSP/HTTP/TCP (LINE BREAKS IN BASE64 ENCODING)
RTSS-1-1-46	VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION

RTSS-1-1-47	VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION
RTSS-1-1-48	VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION
RTSS-1-1-49	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
RTSS-1-1-50	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
RTSS-1-1-51	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
RTSS-1-1-53	MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)
RTSS-1-1-54	MEDIA STREAMING – JPEG (RTP-Unicast/UDP,IPv6)
RTSS-1-1-55	MEDIA STREAMING – JPEG (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-1-1-56	MEDIA STREAMING – JPEG (RTP/RTSP/TCP, IPv6)
RTSS-1-1-57	MEDIA STREAMING – MPEG4 (RTP-Unicast/UDP,IPv6)
RTSS-1-1-58	MEDIA STREAMING – MPEG4 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-1-1-59	MEDIA STREAMING – MPEG4 (RTP/RTSP/TCP,IPv6)
RTSS-1-1-60	MEDIA STREAMING – H.264 (RTP-Unicast/UDP,IPv6)
RTSS-1-1-61	MEDIA STREAMING – H.264 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-1-1-62	MEDIA STREAMING – H.264 (RTP/RTSP/TCP, IPv6)
RTSS-1-2-12	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
RTSS-1-2-13	MEDIA STREAMING – JPEG (RTP-Multicast/UDP,IPv4)
RTSS-1-2-14	MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP,IPv4)
RTSS-1-2-15	MEDIA STREAMING – H.264 (RTP-Multicast/UDP,IPv4)
RTSS-1-2-16	MEDIA STREAMING – JPEG (RTP-Multicast/UDP,IPv6)

RTSS-1-2-17	MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP,IPv6)
RTSS-1-2-18	MEDIA STREAMING – H.264 (RTP-Multicast/UDP,IPv6)
RTSS-1-2-19	VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
RTSS-1-2-20	VIDEO ENCODER CONFIGURATION – MULTICAST PORT ADDRESS (IPv4)
RTSS-1-2-21	VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv4)
RTSS-1-2-22	VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6)
RTSS-1-2-23	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
RTSS-2-1-19	MEDIA STREAMING – G.711 (RTP-Unicast/UDP)
RTSS-2-1-20	MEDIA STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-2-1-21	MEDIA STREAMING – G.711 (RTP/RTSP/TCP)
RTSS-2-1-22	MEDIA STREAMING – G.726 (RTP-Unicast/UDP)
RTSS-2-1-23	MEDIA STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-2-1-24	MEDIA STREAMING – G.726 (RTP/RTSP/TCP)
RTSS-2-1-25	MEDIA STREAMING – AAC (RTP-Unicast/UDP)
RTSS-2-1-26	MEDIA STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-2-1-27	MEDIA STREAMING – AAC (RTP/RTSP/TCP)
RTSS-2-1-28	AUDIO STREAMING – G.711 (RTP-Unicast/UDP)
RTSS-2-1-29	AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-2-1-30	AUDIO STREAMING – G.711 (RTP/RTSP/TCP)
RTSS-2-1-31	AUDIO STREAMING – G.726 (RTP-Unicast/UDP)
RTSS-2-1-32	AUDIO STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP)

RTSS-2-1-33	AUDIO STREAMING – G.726 (RTP/RTSP/TCP)
RTSS-2-1-34	AUDIO STREAMING – AAC (RTP-Unicast/UDP)
RTSS-2-1-35	AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-2-1-36	AUDIO STREAMING – AAC (RTP/RTSP/TCP)
RTSS-2-1-37	MEDIA STREAMING – G.711 (RTP-Unicast/UDP,IPv6)
RTSS-2-1-38	MEDIA STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-39	MEDIA STREAMING – G.711 (RTP/RTSP/TCP, IPv6)
RTSS-2-1-40	MEDIA STREAMING – G.726 (RTP-Unicast/UDP,IPv6)
RTSS-2-1-41	MEDIA STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-42	MEDIA STREAMING – G.726 (RTP/RTSP/TCP, IPv6)
RTSS-2-1-43	MEDIA STREAMING – AAC (RTP-Unicast/UDP, IPv6)
RTSS-2-1-44	MEDIA STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-45	MEDIA STREAMING – AAC (RTP/RTSP/TCP, IPv6)
RTSS-2-1-46	AUDIO STREAMING – G.711 (RTP-Unicast/UDP,IPv6)
RTSS-2-1-47	AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-48	AUDIO STREAMING – G.711 (RTP/RTSP/TCP, IPv6)
RTSS-2-1-49	AUDIO STREAMING – G.726 (RTP-Unicast/UDP,IPv6)
RTSS-2-1-50	AUDIO STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-51	AUDIO STREAMING – G.726 (RTP/RTSP/TCP, IPv6)
RTSS-2-1-52	AUDIO STREAMING – AAC (RTP-Unicast/UDP, IPv6)
RTSS-2-1-53	AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-2-1-54	AUDIO STREAMING – AAC (RTP/RTSP/TCP, IPv6)

RTSS-2-2-11	MEDIA STREAMING – G.711 (RTP-Multicast/UDP,IPv4)
RTSS-2-2-12	MEDIA STREAMING – G.711 (RTP-Multicast/UDP,IPv6)
RTSS-2-2-13	MEDIA STREAMING – G.726 (RTP-Multicast/UDP,IPv4)
RTSS-2-2-14	MEDIA STREAMING – G.726 (RTP-Multicast/UDP,IPv6)
RTSS-2-2-15	MEDIA STREAMING – AAC (RTP-Multicast/UDP,IPv4)
RTSS-2-2-16	MEDIA STREAMING – AAC (RTP-Multicast/UDP,IPv6)
RTSS-3-1-10	MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/UDP)
RTSS-3-1-11	MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-3-1-12	MEDIA STREAMING – JPEG/G.711 (RTP/RTSP/TCP)
RTSS-3-1-13	MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/UDP)
RTSS-3-1-14	MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-3-1-15	MEDIA STREAMING – JPEG/G.726 (RTP/RTSP/TCP)
RTSS-3-1-16	MEDIA STREAMING – JPEG/AAC (RTP-Unicast/UDP)
RTSS-3-1-17	MEDIA STREAMING – JPEG/AAC (RTP-Unicast/RTSP/HTTP/TCP)
RTSS-3-1-18	MEDIA STREAMING – JPEG/AAC (RTP/RTSP/TCP)
RTSS-3-1-19	MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/UDP, IPv6)
RTSS-3-1-20	MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-3-1-21	MEDIA STREAMING – JPEG/G.711 (RTP/RTSP/TCP,IPv6)
RTSS-3-1-22	MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/UDP, IPv6)
RTSS-3-1-23	MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-3-1-24	MEDIA STREAMING – JPEG/G.726 (RTP/RTSP/TCP,IPv6)
RTSS-3-1-25	MEDIA STREAMING – JPEG/AAC (RTP-Unicast/UDP, IPv6)
RTSS-3-1-26	MEDIA STREAMING – JPEG/AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
RTSS-3-1-27	MEDIA STREAMING – JPEG/AAC (RTP/RTSP/TCP,IPv6)

RTSS-3-2-16	MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/ UDP, IPv4)
RTSS-3-2-17	MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)
RTSS-3-2-18	MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv4)
RTSS-3-2-19	MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)
RTSS-3-2-20	MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)
RTSS-3-2-21	MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)
RTSS-3-2-22	VIDEO AND AUDIO ENCODER CONFIGURATION –DIFFERENT PORTS
RTSS-3-2-23	VIDEO AND AUDIO ENCODER CONFIGURATION –DIFFERENT ADDRESS
RTSS-4-1-3	NOTIFICATION STREAMING
RTSS-5-1-7	START AND STOP MULTICAST STREAMING – JPEG (IPv4)
RTSS-5-1-9	START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)
RTSS-5-1-10	START AND STOP MULTICAST STREAMING –G.711 (IPv4, ONLY AUDIO PROFILE)
RTSS-5-1-11	START AND STOP MULTICAST STREAMING –G.726 (IPv4, ONLY AUDIO PROFILE)
RTSS-5-1-12	START AND STOP MULTICAST STREAMING – AAC (IPv4, ONLY AUDIO PROFILE)
RTSS-6-1-1	BACKCHANNEL – G.711 (RTP-Unicast/UDP, IPv4)
RTSS-6-1-2	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-3	BACKCHANNEL – G.711 (RTP/RTSP/TCP, IPv4)
RTSS-6-1-4	BACKCHANNEL – G.726 (RTP-Unicast/UDP, IPv4)
RTSS-6-1-5	BACKCHANNEL – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-6	BACKCHANNEL – G.726 (RTP/RTSP/TCP, IPv4)
RTSS-6-1-7	BACKCHANNEL – AAC (RTP-Unicast/UDP, IPv4)
RTSS-6-1-8	BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-9	BACKCHANNEL – AAC (RTP/RTSP/TCP, IPv4)
RTSS-6-1-10	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-11	BACKCHANNEL STREAMING BY POST – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-12	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)

Real time streaming using Media2

Test Case ID	Test Case Name
MEDIA2_RTSS-1-1-4	MEDIA2 SET SYNCHRONIZATION POINT –H.264
MEDIA2_RTSS-1-1-11	MEDIA2 SET SYNCHRONIZATION POINT – H.265
MEDIA2_RTSS-3-1-4	BACKCHANNEL – G.711 (RTP-Unicast/UDP,IPv6)
MEDIA2_RTSS-3-1-5	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-6	BACKCHANNEL – G.711 (RTP/RTSP/TCP,IPv6)
MEDIA2_RTSS-3-1-10	BACKCHANNEL – AAC (RTP-Unicast/UDP,IPv6)
MEDIA2_RTSS-3-1-11	BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-12	BACKCHANNEL – AAC (RTP/RTSP/TCP,IPv6)
MEDIA2_RTSS-3-1-15	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/WebSockets, IPv6)
MEDIA2_RTSS-3-1-16	BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets, IPv6)
MEDIA2_RTSS-3-1-19	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-3-1-20	BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-3-1-22	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-24	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-27	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-3-1-28	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-4-1-1	METADATA STREAMING (RTP-Unicast/UDP)
MEDIA2_RTSS-4-1-2	METADATA STREAMING (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-4-1-3	METADATA STREAMING (RTP/RTSP/TCP)
MEDIA2_RTSS-4-1-4	METADATA STREAMING - SET SYNCHRONIZATION POINT
MEDIA2_RTSS-4-1-5	METADATA STREAMING (RTP-Unicast/UDP,IPv6)
MEDIA2_RTSS-4-1-6	METADATA STREAMING (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-4-1-7	METADATA STREAMING (RTP/RTSP/TCP,IPv6)

MEDIA2_RTSS-4-1-8	METADATA STREAMING (RTP-Unicast/RTSP/HTTPS/TCP)
MEDIA2_RTSS-4-1-9	METADATA STREAMING (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-4-1-10	METADATA STREAMING (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-4-1-11	METADATA STREAMING (RTP-Unicast/RTSP/WebSockets, IPv6)
MEDIA2_RTSS-4-2-1	METADATA STREAMING (RTP-Multicast/UDP)
MEDIA2_RTSS-4-2-2	METADATA STREAMING (RTP-Multicast/UDP, IPv6)

Replay

Test Case ID	Test Case Name
REPLAY-3-1-1	PLAYBACK VIDEO STREAMING – MEDIA CONTROL
REPLAY-3-1-2	PLAYBACK VIDEO STREAMING – RTP-Unicast/UDP
REPLAY-3-1-3	PLAYBACK VIDEO STREAMING – RTP-Unicast/RTSP/HTTP/TCP
REPLAY-3-1-4	PLAYBACK VIDEO STREAMING – RTP/RTSP/TCP
REPLAY-3-1-5	REVERSE PLAYBACK VIDEO STREAMING – RTP-Unicast/UDP
REPLAY-3-1-6	REVERSE PLAYBACK VIDEO STREAMING – RTPUnicast/RTSP/HTTP/TCP
REPLAY-3-1-7	REVERSE PLAYBACK VIDEO STREAMING – RTP/RTSP/TCP
REPLAY-3-1-10	PLAYBACK VIDEO STREAMING – PLAY WITH RANGE
REPLAY-3-1-11	PLAYBACK VIDEO STREAMING - I-FRAMES
REPLAY-3-1-12	PLAYBACK VIDEO STREAMING – RATECONTROL
REPLAY-3-1-13	PLAYBACK VIDEO STREAMING – IMMEDIATE HEADER
REPLAY-3-1-15	PLAYBACK VIDEO STREAMING – PAUSE WITHOUT RANGE
REPLAY-3-1-16	PLAYBACK VIDEO STREAMING – PAUSE WITH RANGE
REPLAY-3-1-17	PLAYBACK VIDEO STREAMING – SEEK
REPLAY-3-2-1	PLAYBACK AUDIO STREAMING – MEDIA CONTROL
REPLAY-3-2-2	PLAYBACK AUDIO STREAMING – RTP-Unicast/UDP
REPLAY-3-2-3	PLAYBACK AUDIO STREAMING – RTP-Unicast/RTSP/HTTP/TCP
REPLAY-3-2-4	PLAYBACK AUDIO STREAMING – RTP/RTSP/TCP
REPLAY-3-2-10	PLAYBACK AUDIO STREAMING – PLAY WITH RANGE
REPLAY-3-2-11	PLAYBACK AUDIO STREAMING – RATECONTROL
REPLAY-3-2-12	PLAYBACK AUDIO STREAMING – IMMEDIATE HEADER
REPLAY-3-2-14	PLAYBACK AUDIO STREAMING – PAUSE WITHOUT RANGE

REPLAY-3-2-15	PLAYBACK AUDIO STREAMING – PAUSE WITH RANGE
REPLAY-3-2-16	PLAYBACK AUDIO STREAMING – SEEK
REPLAY-3-3-1	PLAYBACK METADATA STREAMING – MEDIA CONTROL
REPLAY-3-3-2	PLAYBACK METADATA STREAMING – RTP-Unicast/UDP
REPLAY-3-3-3	PLAYBACK METADATA STREAMING – RTPUnicast/RTSP/HTTP/TCP
REPLAY-3-3-4	PLAYBACK METADATA STREAMING – RTP/RTSP/TCP
REPLAY-3-3-5	REVERSE PLAYBACK METADATA STREAMING – RTPUnicast/UDP
REPLAY-3-3-6	REVERSE PLAYBACK METADATA STREAMING – RTPUnicast/RTSP/HTTP/TCP
REPLAY-3-3-7	REVERSE PLAYBACK METADATA STREAMING –RTP/RTSP/TCP
REPLAY-3-3-10	PLAYBACK METADATA STREAMING – PLAY WITH RANGE
REPLAY-3-3-11	PLAYBACK METADATA STREAMING – RATECONTROL
REPLAY-3-3-12	PLAYBACK METADATA STREAMING – IMMEDIATE HEADER
REPLAY-3-3-14	PLAYBACK METADATA STREAMING – PAUSE WITHOUT RANGE
REPLAY-3-3-15	PLAYBACK METADATA STREAMING – PAUSE WITH RANGE
REPLAY-3-3-16	PLAYBACK METADATA STREAMING – SEEK
REPLAY-3-4-1	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING –MEDIA CONTROL
REPLAY-3-4-2	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – RTPUnicast/UDP
REPLAY-3-4-3	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – RTPUnicast/RTSP/HTTP/TCP
REPLAY-3-4-4	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING –RTP/RTSP/TCP
REPLAY-3-4-10	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – PLAY WITH RANGE
REPLAY-3-4-11	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – RATECONTROL
REPLAY-3-4-12	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – IMMEDIATE HEADER
REPLAY-3-4-14	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – PAUSE WITHOUT RANGE
REPLAY-3-4-15	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – PAUSE WITH RANGE
REPLAY-3-4-16	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – SEEK

Deleted Test Cases

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

Real time streaming

Test Case ID	Test Case Name
RTSS-5-1-8	START AND STOP MULTICAST STREAMING – G.711 (IPv4)

List of Device Test Specification Documents v19.12

Document	Release Date
ONVIF_Access_Control_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Access_Rules_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Analytics_Engine_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Base_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Credential_Device_Test_Specification_19.06.pdf	Jun-19
ONVIF_DeviceIO_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Device_Feature_Discovery_Specification_19.12.pdf	Dec-19
ONVIF_Door_Control_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Event_Handling_Device_Test_Specification_18.06.pdf	Jun-18
ONVIF_Imaging_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Media2_Configuration_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Media_Configuration_Device_Test-Specification_19.12.pdf	Dec-19
ONVIF_Profiles_Conformance_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Profile_Q_Device_Test_Specification_18.06.pdf	Jun-18
ONVIF_PTZ_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Real_Time_Streaming_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Real_Time_Streaming_using_Media2_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Receiver_Device_Test_Specification_19.06.pdf	Jun-19
ONVIF_Recording_Control_Device_Test_Specification_18.06.pdf	Jun-18
ONVIF_Recording_Search_Device_Test_Specification_19.06.pdf	Jun-19
ONVIF_Replay_Control_Device_Test_Specification_19.12.pdf	Dec-19
ONVIF_Schedule_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Security_Configuration_Device_Test_Specification_19.06.pdf	Jun-19
ONVIF_Test_Case_Summary_For_Profiles_Conformance_19.12.xlsx	Dec-19
ONVIF_Thermal_Device_Test_Specification_18.06.pdf	Jun-18