

ONVIF™
Test Specification v18.12
Release Notes

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Overview

Important:

This ONVIF Test Specification v18.12 replaces the previously released version DTT v18.06 SR1 along with the errata accepted. As of April 1st, 2019, ONVIF members shall only declare conformance of a product with ONVIF Test Specification v18.12.

- Test cases added
 - 2 test cases in Access Rules
 - 3 test cases in Credentials
 - 1 test case in Device
 - 3 test cases in Real time streaming
 - 8 test cases in Real time streaming using Media2
 - 4 test cases in Schedule
- Test cases modified
 - 1 test case in Access Control
 - 5 test cases in Advanced Security
 - 4 test cases in Analytics
 - 2 test cases in Device Management
 - 4 test cases in Media2
 - 2 test cases in Quick Install
 - 20 test cases in PTZ
 - 137 test cases in Real Time Streaming using Media1
 - 103 test cases in Real Time Streaming using Media2
 - 4 test cases in Replay
 - 1 test case in Schedule
 - 28 test cases in Search

- Test cases deleted
 - 2 test cases in IP Configuration
 - 1 test case in Discovery

- Test cases renamed
 - 2 test cases in Advanced Security
 - 1 test case in Device Management

Deprecated Test Cases

No test cases were deprecated in this version.

New Test Cases

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

Access Rules	
Test case ID	Test Case Name
ACCESS_RULES-3-1-15	SET NEW ACCESS PROFILE
ACCESS_RULES-3-1-16	SET ACCESS PROFILE

Credentials	
Test case ID	Test Case Name
CREDENTIAL-3-1-16	SET NEW CREDENTIAL (ENABLED)
CREDENTIAL-3-1-17	SET NEW CREDENTIAL (DISABLED)
CREDENTIAL-3-1-18	SET CREDENTIAL

Device Management	
Test case ID	Test Case Name
DEVICE-1-1-31	GET SERVICES - XADDR

Real time streaming	
Test case ID	Test Case Name
RTSS-6-1-10	BACKCHANNEL STREAMING BY POST – G.711 (RTPUnicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-11	BACKCHANNEL STREAMING BY POST – G.726 (RTPUnicast/RTSP/HTTP/TCP, IPv4)
RTSS-6-1-12	BACKCHANNEL STREAMING BY POST – AAC (RTPUnicast/RTSP/HTTP/TCP, IPv4)

Real time streaming using Media2	
Test case ID	Test Case Name
MEDIA2_RTSS-3-1-21	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
MEDIA2_RTSS-3-1-22	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-23	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
MEDIA2_RTSS-3-1-24	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-3-1-25	BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
MEDIA2_RTSS-3-1-26	BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
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)

Schedule	
Test case ID	Test Case Name
SCHEDULE-3-1-17	SET NEW SCHEDULE
SCHEDULE-3-1-18	SET SCHEDULE
SCHEDULE-5-1-13	SET NEW SPECIAL DAY GROUP
SCHEDULE-5-1-14	SET SPECIAL DAY GROUP

Modified Test Cases

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

Access Control	
Test case ID	Test Case Name
ACCESSCONTROL-9-1-4	ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND)

Analytics	
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

Device Management	
Test case ID	Test Case Name
DEVICE-2-1-37	SET DYNAMIC DNS CONFIGURATION
DEVICE-3-1-15	START SYSTEM RESTORE – INVALID BACKUP FILE

Advanced Security	
Test case ID	Test Case Name
ADVANCED_SECURITY-2-1-27	CreateSelfSignedCertificate with PKCS#12
ADVANCED_SECURITY-2-1-28	Create PKCS#10 request with PKCS#12
ADVANCED_SECURITY-3-1-3	Replace Server Certificate Assignment – self-signed
ADVANCED_SECURITY-3-1-4	Replace Server Certificate Assignment – CA
ADVANCED_SECURITY-3-2-4	Basic TLS Handshake after Replace Server Certificate Assignment

Media2	
Test case ID	Test Case Name
MEDIA2-2-3-2	VIDEO ENCODER CONFIGURATIONS AND VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY VALIDATION
MEDIA2-2-3-3	PROFILES AND VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY VALIDATION
MEDIA2-4-1-2	DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
MEDIA2-7-1-1	MEDIA2 SERVICE CAPABILITIES

PTZ using Media2	
Test case ID	Test Case Name
MEDIA2_PTZ-4-2-1	CONTINUOUS PAN/TILT VELOCITY SPACE
MEDIA2_PTZ-4-2-2	GENERIC ZOOM VELOCITY SPACE

Real time streaming using Media1	
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-1-1-30	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)
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-1-1-52	MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES) (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 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-2-2-9	AUDIO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
RTSS-2-2-10	AUDIO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
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-5-1-8	START AND STOP MULTICAST STREAMING – G.711 (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)

Real time streaming using Media2	
Test case ID	Test Case Name
MEDIA2_RTSS-1-1-1	MEDIA2 STREAMING - H.264 (RTP-Unicast/UDP)
MEDIA2_RTSS-1-1-2	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-1-1-3	MEDIA2 STREAMING - H.264 (RTP/RTSP/TCP)
MEDIA2_RTSS-1-1-4	MEDIA2 SET SYNCHRONIZATION POINT - H.264
MEDIA2_RTSS-1-1-5	MEDIA2 STREAMING - H.264 (RTP-Unicast/UDP,IPv6)
MEDIA2_RTSS-1-1-6	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/HTTP/TCP,IPv6)
MEDIA2_RTSS-1-1-7	MEDIA2 STREAMING - H.264 (RTP/RTSP/TCP,IPv6)
MEDIA2_RTSS-1-1-8	MEDIA2 STREAMING - H.265 (RTP-Unicast/UDP)
MEDIA2_RTSS-1-1-9	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-1-1-10	MEDIA2 STREAMING - H.265 (RTP/RTSP/TCP)
MEDIA2_RTSS-1-1-11	MEDIA2 SET SYNCHRONIZATION POINT - H.265
MEDIA2_RTSS-1-1-12	MEDIA2 STREAMING - H.265 (RTP-Unicast/UDP,IPv6)
MEDIA2_RTSS-1-1-13	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/HTTP/TCP,IPv6)
MEDIA2_RTSS-1-1-14	MEDIA2 STREAMING - H.265 (RTP/RTSP/TCP,IPv6)
MEDIA2_RTSS-1-1-15	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/HTTPS/TCP)
MEDIA2_RTSS-1-1-16	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/HTTPS/TCP)
MEDIA2_RTSS-1-1-17	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/HTTPS/TCP,IPv6)
MEDIA2_RTSS-1-1-18	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/HTTPS/TCP,IPv6)
MEDIA2_RTSS-1-1-19	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-1-1-20	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-1-1-21	MEDIA2 STREAMING - H.264 (RTP-Unicast/RTSP/WebSockets,IPv6)
MEDIA2_RTSS-1-1-22	MEDIA2 STREAMING - H.265 (RTP-Unicast/RTSP/WebSockets,IPv6)
MEDIA2_RTSS-1-1-23	VIDEO ENCODER INSTANCES
MEDIA2_RTSS-1-1-24	VIDEO ENCODER INSTANCES - H.264

MEDIA2_RTSS-1-1-25	VIDEO ENCODER INSTANCES - H.265
MEDIA2_RTSS-1-2-1	MEDIA2 STREAMING - H.264 (RTSPMulticast, IPv4)
MEDIA2_RTSS-1-2-2	MEDIA2 STREAMING - H.264 (RTP-Multicast, IPv6)
MEDIA2_RTSS-1-2-3	MEDIA2 STREAMING - H.265 (RTSPMulticast, IPv4)
MEDIA2_RTSS-1-2-4	MEDIA2 STREAMING - H.265 (RTP-Multicast, IPv6)
MEDIA2_RTSS-2-1-1	MEDIA2 STREAMING - G.711 (RTP-Unicast/UDP)
MEDIA2_RTSS-2-1-2	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-2-1-3	MEDIA2 STREAMING - G.711 (RTP/RTSP/TCP)
MEDIA2_RTSS-2-1-4	MEDIA2 STREAMING - G.711 (RTP-Unicast/UDP, IPv6)
MEDIA2_RTSS-2-1-5	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-2-1-6	MEDIA2 STREAMING - G.711 (RTP/RTSP/TCP, IPv6)
MEDIA2_RTSS-2-1-7	MEDIA2 STREAMING - AAC (RTP-Unicast/UDP)
MEDIA2_RTSS-2-1-8	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-2-1-9	MEDIA2 STREAMING - AAC (RTP/RTSP/TCP)
MEDIA2_RTSS-2-1-10	MEDIA2 STREAMING - AAC (RTP-Unicast/UDP, IPv6)
MEDIA2_RTSS-2-1-11	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-2-1-12	MEDIA2 STREAMING - AAC (RTP/RTSP/TCP, IPv6)
MEDIA2_RTSS-2-1-13	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/HTTPS/TCP)
MEDIA2_RTSS-2-1-14	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/HTTPS/TCP)
MEDIA2_RTSS-2-1-15	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-2-1-16	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
MEDIA2_RTSS-2-1-17	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-2-1-18	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-2-1-19	MEDIA2 STREAMING - G.711 (RTP-Unicast/RTSP/WebSockets, IPv6)
MEDIA2_RTSS-2-1-20	MEDIA2 STREAMING - AAC (RTP-Unicast/RTSP/WebSockets, IPv6)
MEDIA2_RTSS-2-1-21	MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/UDP)

MEDIA2_RTSS-2-2-1	MEDIA2 STREAMING - G.711 (RTP-Multicast, IPv4)
MEDIA2_RTSS-2-2-2	MEDIA2 STREAMING - G.711 (RTP-Multicast, IPv6)
MEDIA2_RTSS-2-2-3	MEDIA2 STREAMING - AAC (RTP-Multicast, IPv4)
MEDIA2_RTSS-2-2-4	MEDIA2 STREAMING - AAC (RTP-Multicast, IPv6)
MEDIA2_RTSS-3-1-1	BACKCHANNEL – G.711 (RTP-Unicast/UDP, IPv4)
MEDIA2_RTSS-3-1-2	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
MEDIA2_RTSS-3-1-3	BACKCHANNEL – G.711 (RTP/RTSP/TCP, IPv4)
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-3-1-7	BACKCHANNEL – AAC (RTP-Unicast/UDP, IPv4)
MEDIA2_RTSS-3-1-8	BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
MEDIA2_RTSS-3-1-9	BACKCHANNEL – AAC (RTP/RTSP/TCP, IPv4)
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-3-1-13	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/WebSockets)
MEDIA2_RTSS-3-1-14	BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets)
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-3-1-17	BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
MEDIA2_RTSS-3-1-18	BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
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-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)
MEDIA2_RTSS-5-1-1	MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/UDP)
MEDIA2_RTSS-5-1-2	MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-5-1-3	MEDIA2 STREAMING – H.26X/G.711 (RTP/RTSP/TCP)
MEDIA2_RTSS-5-1-4	MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/UDP, IPv6)
MEDIA2_RTSS-5-1-5	MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-5-1-6	MEDIA2 STREAMING – H.26X/G.711 (RTP/RTSP/TCP, IPv6)
MEDIA2_RTSS-5-1-7	MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/UDP)
MEDIA2_RTSS-5-1-8	MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/RTSP/HTTP/TCP)
MEDIA2_RTSS-5-1-9	MEDIA2 STREAMING – H.26X/AAC (RTP/RTSP/TCP)
MEDIA2_RTSS-5-1-10	MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/UDP, IPv6)
MEDIA2_RTSS-5-1-11	MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
MEDIA2_RTSS-5-1-12	MEDIA2 STREAMING – H.26X/AAC (RTP/RTSP/TCP, IPv6)
MEDIA2_RTSS-5-2-1	MEDIA2 STREAMING – H.26X/G.711 (RTP-Multicast/UDP)
MEDIA2_RTSS-5-2-2	MEDIA2 STREAMING – H.26X/G.711 (RTP-Multicast/UDP, IPv6)
MEDIA2_RTSS-5-2-3	MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast/UDP)

MEDIA2_RTSS-5-2-4	MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast/UDP, IPv6)
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Quick Install	
Test case ID	Test Case Name
QUICK_INSTALL-4-1-1	Firmware Upload
QUICK_INSTALL-4-1-2	Invalid Firmware Upload

Replay	
Test case ID	Test Case Name
REPLAY-3-1-12	PLAYBACK VIDEO STREAMING – RATECONTROL
REPLAY-3-2-11	PLAYBACK AUDIO STREAMING – RATECONTROL
REPLAY-3-3-11	PLAYBACK METADATA STREAMING – RATECONTROL
REPLAY-3-4-11	PLAYBACK VIDEO, AUDIO AND METADATA STREAMING – RATECONTROL

Schedule	
Test case ID	Test Case Name
SCHEDULE-3-1-15	MODIFY SCHEDULE - INVALID TIME RANGE INTERVAL

Search	
Test case ID	Test Case Name
SEARCH-2-1-3	GET RECORDING SEARCH RESULTS WITH MINRESULTS
SEARCH-2-1-4	GET RECORDING SEARCH RESULTS WITH MAXRESULTS
SEARCH-2-1-5	GET RECORDING SEARCH RESULTS WITH WAITTIME
SEARCH-2-1-7	FIND RECORDINGS WITH MAXMATCHES
SEARCH-2-1-8	FIND RECORDINGS WITH RECORDING INFORMATION FILTER (ONLY VIDEO)
SEARCH-2-1-12	GET RECORDING SEARCH RESULTS AFTER END OF SEARCH (ENDSEARCH COMMAND WAS INVOKED)
SEARCH-2-1-13	FIND RECORDINGS WITH RECORDING INFORMATION FILTER (ONLY AUDIO)
SEARCH-2-1-14	FIND RECORDINGS WITH RECORDING INFORMATION FILTER (ONLY METADATA)
SEARCH-2-1-15	FIND RECORDINGS WITH RECORDING INFORMATION FILTER (VIDEO AND AUDIO)
SEARCH-2-1-16	FIND RECORDINGS WITH RECORDING INFORMATION FILTER (VIDEO AND METADATA)
SEARCH-2-1-17	GET RECORDING SEARCH RESULTS AND GET RECORDINGS CONSISTENCY
SEARCH-2-1-18	GET RECORDING SEARCH RESULTS AND GET RECORDING INFORMATION CONSISTENCY
SEARCH-3-1-5	FIND EVENTS (MAXMATCHES = 1)
SEARCH-3-1-11	FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
SEARCH-3-1-13	FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS EQUAL TO RECORDING ENDPOINTS)
SEARCH-3-1-14	FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS)
SEARCH-5-1-1	FIND METADATA – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS EQUAL TO RECORDING ENDPOINTS)
SEARCH-5-1-2	FIND METADATA – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS)
SEARCH-5-1-3	FIND METADATA – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
SEARCH-5-1-4	FIND METADATA (MAXMATCHES = 1)
SEARCH-5-1-5	FIND METADATA (NO RESULTS)
SEARCH-6-1-8	FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS EQUAL TO RECORDING ENDPOINTS)
SEARCH-6-1-9	FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS)

SEARCH-6-1-10	FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
SEARCH-6-1-11	FIND PTZ POSITION (MAXMATCHES = 1)
SEARCH-6-1-12	FIND PTZ POSITIONS USING RECORDING INFORMATION FILTER
SEARCH-6-1-13	FIND PTZ POSITION – SEARCHING IN A CERTAIN POSITION
SEARCH-7-1-1	GET MEDIA ATTRIBUTES – PTZ MEDIA ATTRIBUTES

PTZ	
Test case ID	Test Case Name
PTZ-3-1-1	PTZ ABSOLUTE MOVE
PTZ-3-1-2	SOAP FAULT MESSAGE
PTZ-3-1-3	PTZ RELATIVE MOVE
PTZ-3-1-4	PTZ CONTINUOUS MOVE
PTZ-3-1-5	PTZ CONTINUOUS MOVE & STOP
PTZ-4-1-4	SET AND GET PRESET
PTZ-4-1-5	GOTO PRESET
PTZ-4-1-6	REMOVE PRESET
PTZ-5-1-1	HOME POSITION OPERATIONS (CONFIGURABLE)
PTZ-5-1-2	HOME POSITION OPERATIONS (FIXED)
PTZ-5-1-3	PTZ – HOME POSITION OPERATIONS (USAGE OF FIXEDHOMEPOSITION FLAG)
PTZ-5-1-4	PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE
PTZ-6-1-1	SEND AUXILIARY COMMAND
PTZ-7-1-4	GENERIC ZOOM POSITION SPACE
PTZ-7-2-3	GENERIC PAN/TILT TRANSLATION SPACE
PTZ-7-2-4	GENERIC ZOOM TRANSLATION SPACE
PTZ-7-3-3	GENERIC PAN/TILT VELOCITY SPAC
PTZ-7-3-4	GENERIC ZOOM VELOCITY SPACE
PTZ-7-4-3	GENERIC PAN/TILT SPEED SPACE
PTZ-7-4-4	GENERIC ZOOM SPEED SPACE

Deleted Test Cases

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

IP Configuration	
Test case ID	Test Case Name
IPCONFIG-1-1-1	IPV4 STATIC IP
IPCONFIG-2-1-1	IPV6 STATIC IP

Discovery	
Test case ID	Test Case Name
DISCOVERY-1-1-1	HELLO MESSAGE

Renamed Test Cases

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

Advanced Security		
Test case ID	Old Description	New Description
ADVANCED_SECURITY-5-1-1	ADVANCED SECURITY SERVICE CAPABILITIES	SECURITY CONFIGURATION SERVICE CAPABILITIES
ADVANCED_SECURITY-5-1-2	GET SERVICES AND GET ADVANCED SECURITY SERVICE CAPABILITIES CONSISTENCY	GET SERVICES AND GET SECURITY CONFIGURATION SERVICE CAPABILITIES

Device Management		
Test case ID	Old Description	New Description
DEVICE-1-1-26	GET SERVICES – ADVANCED SECURITY SERVICE	GET SERVICES – SECURITY CONFIGURATION SERVICE

List of Device Test Specification Documents v18.12

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_18.12.pdf	Dec-18
ONVIF_Authentication_Behavior_Device_Test_Specification_18.12.pdf*	Dec-18
ONVIF_Base_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Credential_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_DeviceIO_Test_Specification_18.06SR1.pdf	Oct-18
ONVIF_Door_Control_Device_Test_Specification_18.06.pdf	Oct-18
ONVIF_Event_Handling_Test_Specification_18.06.pdf	Jun-18
ONVIF_Feature_Discovery_Specification_18.12.pdf	Dec-18
ONVIF_Imaging_Test_Specification_18.12.pdf	Dec-18
ONVIF_Media2_Configuration_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Profile_Q_Test_Specification_18.06.pdf	Jun-18
ONVIF_Profiles_Conformance_Test_Specification_18.12.pdf	Dec-18
ONVIF_Provisioning_Device_Test_Specification_18.06.pdf	Jun-18
ONVIF_PTZ_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Real_Time_Streaming_Test_Specification_18.12.pdf	Dec-18
ONVIF_Real_Time_Streaming_using_Media2_Device_Test_Specification_18.12.pdf	Dec-18
ONVIF_Receiver_Test_Specification_18.06.pdf	Jun-18
ONVIF_Recording_Control_Test_Specification_18.06.pdf	Jun-18
ONVIF_Recording_Search_Test_Specification_18.12.pdf	Dec-18
ONVIF_Replay_Control_Test_Specification_18.12.pdf	Dec-18
ONVIF_Schedule_Test_Specification_18.12.pdf	Dec-18
ONVIF_Security_Configuration_Test_Specification_18.12.pdf**	Dec-18
ONVIF_Test_Case_Summary_For_Profiles_Conformance_18.12.xlsx	Dec-18
ONVIF_Thermal_Device_Test_Specification_18.06.pdf	Jun-18

* *New specification document*

** *Advanced Security Test Specification renamed to Security Configuration Device Test Specification.*