

ONVIF[™]
Client Test Specification v19.12
Release Notes

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Overview

Important:

This ONVIF Test Specification v19.12 replaces the previously released version 19.06 along with the errata accepted. As of Apr 1st, 2020, ONVIF members shall only declare conformance of a product with ONVIF Test Specification v19.12.

- Test cases added
 - 8 test cases in Profile M
 - 1 test case in Profile C
 - 39 test cases in Profile D
 - 1 test case in Profile G
 - 1 test case in Profile S
 - 1 test case in Profile T
- Test cases modified
 - 1 test case in Profile C
 - 9 test cases in Profile S

Deprecated Test Cases

No test cases were deprecated in this version.

Feature level changes

| Feature/test in v19.06 | | Feature/test in v19.12 | |
|------------------------|--|---------------------------------------|--|
| Feature | Test | Feature | Test (New ID) |
| EVENT HANDLING | EVENTHANDLING-3 METADATA STREAMING | METADATA STREAMING USING MEDIA2 | MEDIA2_METADATASTREAMING-1 METADATA STREAMING USING MEDIA2 |

Added Test Cases

| Profile M Client (Profile is under development. Tests are subject to change) | |
|---|------------------------------|
| Test case ID | Test Case Name |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| HTTPDIGESTFORRTSP-1 | HTTP DIGEST FOR RTSP |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |

Profile C Client

| Test case ID | Test Case Name |
|---------------------|--------------------------------|
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |

Profile G Client

| Test case ID | Test Case Name |
|---------------------|--------------------------------|
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |

Profile S Client

| Test case ID | Test Case Name |
|-----------------|--------------------------------|
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |

Profile T Client

| Test case ID | Test Case Name |
|-----------------|--------------------------------|
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |

| Profile D Client (<i>Profile is under development. Tests are subject to change</i>) | |
|--|------------------------------|
| Test case ID | Test Case Name |
| HTTPDIGEST-1 | HHTTP DIGEST |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| EVENTHANDLING-1 | PULLPOINT |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| ACCESSPOINTINFORMATION-1 | LISTING OF ACCESS POINTS |
| GETACCESSPOINTSTATE-1 | GET ACCESS POINT STATE |
| GETDOORSTATE-1 | GET DOOR STATE |
| DOORINFORMATION-1 | LISTING OF DOORS |
| SYSTEM-1 | GET DEVICE INFORMATION |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| ACCESSPOINTMANAGEMENT-1 | CREATE ACCESS POINT |
| ACCESSPOINTMANAGEMENT-2 | MODIFY ACCESS POINT |
| ACCESSPOINTMANAGEMENT-3 | DELETE ACCESS POINT |
| ACCESSPOINTCONTROL-1 | DISABLE ENABLE ACCESS POINT |
| DOORMANAGEMENT-1 | CREATE DOOR |
| DOORMANAGEMENT-2 | MODIFY DOOR |

| | |
|-------------------------------|--------------------------------|
| DOORMANAGEMENT-3 | DELETE DOOR |
| CREDENTIALWHITELISTING-1 | GET WHITELIST |
| CREDENTIALWHITELISTING-2 | ADD TO WHITELIST |
| CREDENTIALWHITELISTING-3 | REMOVE FROM WHITELIST |
| CREDENTIALWHITELISTING-4 | DELETE WHITELIST |
| CREDENTIALBLACKLISTING-1 | GET BLACKLIST |
| CREDENTIALBLACKLISTING-2 | ADD TO BLACKLIST |
| CREDENTIALBLACKLISTING-3 | REMOVE FROM BLACKLIST |
| CREDENTIALBLACKLISTING-4 | DELETE BLACKLIST |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES |
| EXTERNALAUTHORIZATION-2 | SEND AUTHORIZATION DECISION |
| DOORCONTROL-1 | ACCESS DOOR |
| DOORCONTROL-2 | LOCK DOOR |
| DOORCONTROL-3 | UNLOCK DOOR |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES WITH CAPABILITIES |

Modified Test Cases

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

Profile C Client

| Test case ID | Test Case Name |
|--------------------------|--------------------------|
| ACCESSPOINTINFORMATION-1 | LISTING OF ACCESS POINTS |

Profile S Client

| Test case ID | Test Case Name |
|------------------|-----------------------|
| MEDIASTREAMING-3 | STREAMING OVER RTSP |
| MEDIASTREAMING-4 | STREAMING OVER UDP |
| MEDIASTREAMING-5 | STREAMING OVER HTTP |
| VIDEOSTREAMING-1 | MJPEG VIDEO STREAMING |
| VIDEOSTREAMING-2 | MPEG4 VIDEO STREAMING |
| VIDEOSTREAMING-3 | H264 VIDEO STREAMING |
| AUDIOSTREAMING-2 | G.711 |
| AUDIOSTREAMING-3 | G.726 |
| AUDIOSTREAMING-4 | AAC |

Test Cases moved

The following tables lists all tests that have been moved in this version.

Profile A

| Tests moved from Core Client Specification | |
|--|------------------------------|
| Test Case ID | Test Case Name |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| SYSTEM-1 | GET DEVICE INFORMATION |
| IPADDRESSFILTERING-1 | GET IP ADDRESS FILTER |
| IPADDRESSFILTERING-2 | SET IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-3 | SET IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-4 | ADD IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-5 | ADD IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-6 | REMOVE IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-7 | REMOVE IPv6 ADDRESS FILTER |
| PERSISTENTNOTIFICATIONSTORAGE RETRIEVAL-1 | SEEK |
| SYSTEMDATEANDTIMECONFIGURATION-1 | GET SYSTEM DATE AND TIME |
| SYSTEMDATEANDTIMECONFIGURATION-2 | SET SYSTEM DATE AND TIME |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| UNSUBSCRIBE-1 | UNSUBSCRIBE |
| HOSTNAMECONFIGURATION-1 | GET HOSTNAME |
| HOSTNAMECONFIGURATION-2 | SET HOSTNAME |
| DNSCONFIGURATION-1 | GET DNS |
| DNSCONFIGURATION-2 | SET DNS |
| NETWORKPROTOCOLSCONFIGURATION-1 | GET NETWORK PROTOCOLS |
| NETWORKPROTOCOLSCONFIGURATION-2 | SET NETWORK PROTOCOLS |

Profile C Client

| Tests moved from Core Client Specification | |
|--|--------------------------------|
| Test Case ID | Test Case Name |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| CAPABILITIES-1 | GET SERVICES |
| CAPABILITIES-2 | GET CAPABILITIES |
| EVENTHANDLING-1 | PULL POINT |
| EVENTHANDLING-2 | BASE NOTIFICATION |
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-1 | RENEW |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-2 | PULL MESSAGES AS KEEP ALIVE |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| SYSTEM-1 | GET DEVICE INFORMATION |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| IPADDRESSFILTERING-1 | GET IP ADDRESS FILTER |
| IPADDRESSFILTERING-2 | SET IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-3 | SET IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-4 | ADD IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-5 | ADD IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-6 | REMOVE IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-7 | REMOVE IPv6 ADDRESS FILTER |
| PERSISTENTNOTIFICATIONSTORAGE RETRIEVAL-1 | SEEK |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| SYSTEMDATEANDTIMECONFIGURATION-1 | GET SYSTEM DATE AND TIME |
| SYSTEMDATEANDTIMECONFIGURATION-2 | SET SYSTEM DATE AND TIME |
| HOSTNAMECONFIGURATION-1 | GET HOSTNAME |
| HOSTNAMECONFIGURATION-2 | SET HOSTNAME |
| DNSCONFIGURATION-1 | GET DNS |
| DNSCONFIGURATION-2 | SET DNS |
| NETWORKPROTOCOLSCONFIGURATION-1 | GET NETWORK PROTOCOLS |
| NETWORKPROTOCOLSCONFIGURATION-2 | SET NETWORK PROTOCOLS |

Profile G Client

| Tests moved from Core Client Specification | |
|--|--------------------------------|
| Test Case ID | Test Case Name |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| CAPABILITIES-1 | GET SERVICES |
| CAPABILITIES-2 | GET CAPABILITIES |
| EVENTHANDLING-1 | PULL POINT |
| EVENTHANDLING-2 | BASE NOTIFICATION |
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-1 | RENEW |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-2 | PULL MESSAGES AS KEEP ALIVE |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| SYSTEM-1 | GET DEVICE INFORMATION |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| UNSUBSCRIBE-1 | UNSUBSCRIBE |
| SYSTEMDATEANDTIMECONFIGURATION-1 | GET SYSTEM DATE AND TIME |
| SYSTEMDATEANDTIMECONFIGURATION-2 | SET SYSTEM DATE AND TIME |
| HOSTNAMECONFIGURATION-1 | GET HOSTNAME |
| HOSTNAMECONFIGURATION-2 | SET HOSTNAME |
| DNSCONFIGURATION-1 | GET DNS |
| DNSCONFIGURATION-2 | SET DNS |
| NETWORKPROTOCOLSCONFIGURATION-1 | GET NETWORK PROTOCOLS |
| NETWORKPROTOCOLSCONFIGURATION-2 | SET NETWORK PROTOCOLS |

Profile Q Client

| Tests moved from Core Client Specification | |
|--|------------------------------|
| Test Case ID | Test Case Name |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| CAPABILITIES-1 | GET SERVICES |
| CAPABILITIES-2 | GET CAPABILITIES |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| EVENTHANDLING-1 | PULL POINT |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| SYSTEM-1 | GET DEVICE INFORMATION |
| NTP-1 | GET NTP |
| NTP-2 | SET NTP |
| ZEROCONFIGURATION-1 | GET ZERO CONFIGURATION |
| ZEROCONFIGURATION-2 | SET ZERO CONFIGURATION |
| SYSTEMDATEANDTIMECONFIGURATION-1 | GET SYSTEM DATE AND TIME |
| SYSTEMDATEANDTIMECONFIGURATION-2 | SET SYSTEM DATE AND TIME |
| HTTPFIRMWAREUPGRADE-1 | START FIRMWARE UPGRADE |
| HTTPSYSTEMBACKUP-1 | GET SYSTEM URIS |
| HTTPSYSTEMRESTORE-1 | START SYSTEM RESTORE |
| HOSTNAMECONFIGURATION-1 | GET HOSTNAME |
| HOSTNAMECONFIGURATION-2 | SET HOSTNAME |
| DNSCONFIGURATION-1 | GET DNS |
| DNSCONFIGURATION-2 | SET DNS |
| NETWORKPROTOCOLSCONFIGURATION-1 | GET NETWORK PROTOCOLS |
| NETWORKPROTOCOLSCONFIGURATION-2 | SET NETWORK PROTOCOLS |
| TLSCONFIGURATION-1 | UPLOAD PASSPHRASE |
| TLSCONFIGURATION-2 | DELETE PASSPHRASE |
| TLSCONFIGURATION-3 | CREATE PKCS#10 CERTIFICATION |
| TLSCONFIGURATION-4 | UPLOAD CERTIFICATE |
| TLSCONFIGURATION-5 | DELETE CERTIFICATE |
| TLSCONFIGURATION-6 | DELETE CERTIFICATION PATH |

| | |
|--------------------------------------|---------------------------------------|
| TLSCONFIGURATION-7 | DELETE KEY |
| TLSCONFIGURATION-8 | GET KEY STATUS |
| TLSCONFIGURATION-9 | UPLOAD PKCS12 |
| TLSCONFIGURATION-10 | ADD SERVER CERTIFICATE ASSIGNMENT |
| TLSCONFIGURATION-11 | REMOVE SERVER CERTIFICATE ASSIGNMENT |
| TLSCONFIGURATION-12 | REPLACE SERVER CERTIFICATE ASSIGNMENT |
| TLSCONFIGURATION-13 | CREATE CERTIFICATION PATH |
| TLSCONFIGURATION-14 | CREATE RSA KEY PAIR |
| GETSERVICESWITHCAPABILITIES-1 | GET SERVICES |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| UNSUBSCRIBE-1 | UNSUBSCRIBE |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-1 | RENEW |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-2 | PULL MESSAGES AS KEEP ALIVE |

Profile S Client

| Tests moved from ONVIF Core Client | |
|------------------------------------|--------------------------------|
| Test Case ID | Test Case Name |
| NETWORKPROTOCOLSCONFIGURATION-1 | GET NETWORK PROTOCOLS |
| NETWORKPROTOCOLSCONFIGURATION-2 | SET NETWORK PROTOCOLS |
| DNSCONFIGURATION-1 | GET DNS |
| DNSCONFIGURATION-2 | SET DNS |
| HOSTNAMECONFIGURATION-1 | GET HOSTNAME |
| HOSTNAMECONFIGURATION-2 | SET HOSTNAME |
| SYSTEMDATEANDTIMECONFIGURATION-1 | GET SYSTEM DATE AND TIME |
| SYSTEMDATEANDTIMECONFIGURATION-2 | SET SYSTEM DATE AND TIME |
| IPADDRESSFILTERING-1 | GET IP ADDRESS FILTER |
| IPADDRESSFILTERING-2 | SET IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-3 | SET IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-4 | ADD IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-5 | ADD IPv6 ADDRESS FILTER |
| IPADDRESSFILTERING-6 | REMOVE IPv4 ADDRESS FILTER |
| IPADDRESSFILTERING-7 | REMOVE IPv6 ADDRESS FILTER |
| ZEROCONFIGURATION-1 | GET ZERO CONFIGURATION |
| ZEROCONFIGURATION-2 | SET ZERO CONFIGURATION |
| DYNAMICDNS-1 | DYNAMIC DNS – GET DYNAMIC DNS |
| DYNAMICDNS-2 | DYNAMIC DNS – SET DYNAMIC DNS |
| NTP-1 | GET NTP |
| NTP-2 | SET NTP |
| RELAYOUTPUTS-1 | GET RELAY OUTPUTS |
| RELAYOUTPUTS-2 | SET RELAY OUTPUT STATE |
| RELAYOUTPUTS-3 | SET RELAY OUTPUT BISTABLE MODE |

| | |
|--------------------------------------|---|
| RELAYOUTPUTS-4 | SET RELAY OUTPUT SETTINGS MONOSTABLE MODE |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| SYSTEM-1 | GET DEVICE INFORMATION |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| NVTDISCOVERYTYPEFILTER-1 | NETWORK VIDEO TRANSMITTER DISCOVERY TYPE FILTER |
| DISCOVERY-1 | WS-DISCOVERY |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-1 | RENEW |
| KEEPALIVEFORPULLPOINTEVENTHANDLING-2 | PULL MESSAGES AS KEEP ALIVE |
| UNSUBSCRIBE-1 | UNSUBSCRIBE |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| EVENTHANDLING-1 | PULL POINT |
| EVENTHANDLING-2 | BASE NOTIFICATION |
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |
| CAPABILITIES-1 | GET SERVICES |
| CAPABILITIES-2 | GET CAPABILITIES |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| USERTOKENPROFILE-1 | USER TOKEN PROFILE |

| Tests moved from ONVIF PTZ Client Specification | |
|---|--|
| Test Case ID | Test Case Name |
| PTZAUXILIARYCOMMAND-1 | SEND AUXILIARY COMMAND |
| PTZHOMEPOSITION-1 | GOTOHOMEPOSITION |
| PTZPRESETS-1 | GETPRESETS |
| PTZPRESETS-2 | GOTOPRESET |
| PTZZOOMRELATIVEPOSITIONING | PTZ RELATIVE MOVE ZOOM |
| PTZPANTILTRELATIVEPOSITIONING-1 | PTZ RELATIVE MOVE PAN/TILT |
| PTZZOOMABSOLUTEPOSITIONING-1 | PTZ ABSOLUTE MOVE ZOOM |
| PTZPANTILTABSOLUTEPOSITIONING-1 | PTZ ABSOLUTE MOVE PAN/TILT |
| PTZZOOMCONTINUOUSPOSITIONING-1 | PTZ CONTINUOUS MOVE ZOOM |
| PTZZOOMCONTINUOUSPOSITIONING-2 | PTZ ZOOM STOP PTZ CONTINUOUS MOVE |
| PTZZOOMCONTINUOUSPOSITIONING-3 | STOP ZOOM MOVEMENT |
| PTZPANTILTCONTINUOUSPOSITIONING-1 | PTZ CONTINUOUS MOVE PAN/TILT |
| PTZPANTILTCONTINUOUSPOSITIONING-2 | PTZ PAN TILT STOP |
| PTZPANTILTCONTINUOUSPOSITIONING-3 | STOP PTZ PAN TILT MOVEMENT USING PTZ CONTINUOUS MOVE |

| | |
|--------------------|-----------------------|
| PTZCONFIGURATION-1 | ADD PTZ CONFIGURATION |
| PTZLISTING-1 | GET NODES |
| PTZLISTING-2 | GETNODE |

Profile T Client

| Tests moved from ONVIF Analytics Client Test Spec | |
|---|---|
| Test Case ID | Test Case Name |
| MOTIONDETECTION-1 | GET MOTION REGION DETECTOR RULE OPTIONS |
| MOTIONDETECTION-2 | CREATE MOTION REGION DETECTOR RULE |
| MOTIONDETECTION-3 | DELETE MOTION REGION DETECTOR RULE |
| GETSUPPORTEDRULES-1 | GET SUPPORTED RULES |
| GETRULES-1 | GET RULES |

| Tests moved from ONVIF Core Client Test Spec | |
|--|--------------------------------|
| Test Case ID | Test Case Name |
| HTTPDIGEST-1 | HTTP DIGEST AUTHENTICATION |
| CAPABILITIES-1 | GET SERVICES |
| CAPABILITIES-2 | GET CAPABILITIES |
| EVENTHANDLING-1 | PULL POINT |
| EVENTHANDLING-4 | METADATA STREAMING USING MEDIA |
| SETSYNCHRONIZATIONPOINT-1 | SET SYNCHRONIZATION POINT |
| DISCOVERY-1 | WS-DISCOVERY |
| DEVICEDISCOVERYTYPEFILTER-1 | DEVICE DISCOVERY TYPE FILTER |
| NETWORKCONFIGURATION-1 | GET NETWORK INTERFACES |
| NETWORKCONFIGURATION-2 | SET NETWORK INTERFACES |
| NETWORKCONFIGURATION-3 | GET NETWORK DEFAULT GATEWAY |
| NETWORKCONFIGURATION-4 | SET NETWORK DEFAULT GATEWAY |
| HHTPDIGESTFORRTSP-1 | HTTP DIGEST FOR RTSP |
| SYSTEM-1 | GET DEVICE INFORMATION |
| USERHANDLING-1 | CREATE USERS |
| USERHANDLING-2 | GET USERS |
| USERHANDLING-3 | SET USERS |
| USERHANDLING-4 | DELETE USERS |
| NTP-1 | GET NTP |
| NTP-2 | SET NTP |

| Tests moved from ONVIF Imaging Client Test Spec | |
|--|-----------------------|
| Test Case ID | Test Case Name |
| SETIMAGINGSETTINGS-1 | GET OPTIONS |
| SETIMAGINGSETTINGS-2 | SET IMAGING SETTINGS |
| GETIMAGINGSETTINGS-1 | GET IMAGING SETTINGS |
| FOCUSCONTROL-1 | ABSOLUTE FOCUS MOVE |
| FOCUSCONTROL-2 | RELATIVE FOCUS MOVE |
| FOCUSCONTROL-3 | CONTINUOUS FOCUS MOVE |
| FOCUSCONTROL-4 | STOP |

| Tests moved from ONVIF PTZ Client Test Spec | |
|---|---|
| Test Case ID | Test Case Name |
| PTZPANTILTCONTINUOUSPOSITIONING-1 | PTZ CONTINUOUS MOVE PAN/TILT |
| PTZPANTILTCONTINUOUSPOSITIONING-2 | PTZ PAN TILT STOP |
| PTZPANTILTCONTINUOUSPOSITIONING-3 | STOP PTZ PAN TILT MOVEMENT USING PTZ CONTINUOUS MOVE |
| PTZZOOMCONTINUOUSPOSITIONING-1 | PTZ CONTINUOUS MOVE ZOOM |
| PTZZOOMCONTINUOUSPOSITIONING-2 | PTZ ZOOM STOP PTZ CONTINUOUS MOVE |
| PTZZOOMCONTINUOUSPOSITIONING-3 | STOP ZOOM MOVEMENT |
| MEDIA2_PANTILTSPACES_SPHERICALPOSITIONSPACE DEGREES-1 | PTZ ABSOLUTE MOVE PAN/TILT SPHERICAL POSITION SPACE DEGREES |
| | PTZ Using Media2 Absolute Positioning |
| MEDIA2_PANTILTSPACES_POSITIONGENERICSPACE-1 | PTZ ABSOLUTEMOVE PAN/TILT POSITION GENERIC SPACE |
| MEDIA2_PANTILTSPACES_VELOCITYGENERICSPACE-1 | PTZ CONTINUOUS MOVE PAN/TILT VELOCITY GENERIC SPACE |
| MEDIA2_ZOOMSPACES_VELOCITYGENERICSPACE-1 | PTZ CONTINUOUS MOVE ZOOM VELOCITY GENERIC SPACE |
| PTZLISTING-1 | GET NODES |
| PTZLISTING-2 | GETNODE |
| PTZPRESETS-1 | GETPRESETS |
| PTZPRESETS-2 | GOTOPRESET |
| PTZHOMEPOSITION-1 | GOTOHOMEPOSITION |
| PTZSETPRESET-1 | SET PRESET |
| PTZGETCOMPATIBLECONFIGURATIONS-1 | GET COMPATIBLE CONFIGURATIONS |
| PTZUSINGMEDIA2PROFILECONFIGURATION-1 | ADD PTZ CONFIGURATION USING MEDIA2 |
| PTZSETCONFIGURATION-1 | PTZ SET CONFIGURATION |

| Tests moved from ONVIF Device IO Client Test Spec | |
|--|---|
| Test Case ID | Test Case Name |
| RELAYOUTPUTSUSINGDEVICEIO-1 | GET RELAY OUTPUTS USING DEVICE I/O |
| RELAYOUTPUTSUSINGDEVICEIO-2 | SET RELAY OUTPUT STATE USING DEVICE I/O |
| GETDIGITALINPUTS-1 | GET DIGITAL INPUTS |

List of Client Test Specification Documents v19.12

| Document | Release Date |
|---|--------------|
| ONVIF_Other_Features_Client_Test_Specification_19.12.pdf* | Dec 2019 |
| ONVIF_Profile_A_Client_Test_Specification_19.12.pdf | Dec 2019 |
| ONVIF_Profile_C_Client_Test_Specification_19.12.pdf | Dec 2019 |
| ONVIF_Profile_D_Client_Test_Specification_19.12.pdf** | n/a |
| ONVIF_Profile_G_Client_Test_Specification_19.12.pdf | Dec 2019 |
| ONVIF_Profile_M_Client_Test_Specification_19.12.pdf** | n/a |
| ONVIF_Profile_Q_Client_Test_Specification_19.12.pdf | Dec 2019 |
| ONVIF_Profile_S_Client_Test_Specification_19.12.pdf | Dec 2019 |
| ONVIF_Profile_T_Client_Test_Specification_19.12.pdf | Dec 2019 |

List of deprecated Client Test Specification Documents in v19.12

| Test Specification in v19.06 |
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| ONVIF Analytics Client Test Specification |
| ONVIF Audio Backchannel Client Test Specification |
| ONVIF Core Client Test Specification |
| ONVIF DeviceIO Client Test Specification |
| ONVIF Imaging Client Test Specification |
| ONVIF OSD Client Test Specification |
| ONVIF PTZ Client Test Specification |
| ONVIF Security Configuration Client Test Specification |

Notes

* New specification document covers features that are out of any profile. Refer the **Test cases moved** section for more information.

** Profile is under development. This test specification is not final, and it is subject to changes.