ONVIF Device Test Tool Release Notes

Version: ONVIF Test Tool v.20.12 rev.6434 Release Candidate

Date: 14th December 2020

Version type: Release of the Device Test Tool of Mahou project

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Mahou project, so interested parties could verify that issues are resolved.

Mahou Release

The following tickets/tasks are addressed:

- #2133 To update accesscontrol.wsdl - fix IdentiferAccess to IdentifierAccess
- #2104 [Plugfest] Debug tab: incorrect namespace of CreateRecordingJob request
  - Templates for Debug tab were updated. Invalid commands in the following services were found and fixed:
    - Replay
    - Recording Search
    - Recording Control
    - Receiver
- #2135 ONVIF DTT & TS 20.12 preparation
  - Help update:
    - Troubleshooting section updated
  - ONVIF RTSP filter version updated

History:

Version: ONVIF Test Tool v.20.11RC rev.6407 Release Candidate

Date: 30 November 2020

Version type: Release candidate of Device Test Tool of Mahou project

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Mahou project, so interested parties could verify that issues are resolved.

Mahou Release candidate

The following tickets/tasks are addressed:

- #2095 Door Control Consistency test: DOORCONTROL-5-1-1-v14.12 not compatible with Profile D
  - DOORCONTROL-5-1-1 GET ACCESS POINT INFO LIST AND GET DOOR INFO LIST CONSISTENCY (Pre-Requisite updated)
- #1866 Profile D features in DTT

- o The following new features were added:
  - Access Control Service/MaxAccessPoints Capability
  - Access Control Service/ Access Point Entity
  - Door Control Service/MaxDoors Capability
  - Door Control Service/ Door Entity
  - Credential Service/ Credential Entity
- o Profile C detection was updated:
  - Check that Access Control Service/ Access Point Entity is supported
  - Check that Door Control Service/ Door Entity is supported
  - Check that Access Control Service/ Access Control Events/AccessControl/AccessGranted/Credential is supported
  - Check that Access Control Service/ Access Control Events/AccessControl/Denied/Credential is supported
  - If Anonymous Access is supported:
    - Check that Access Control Service/ Access Control Events/AccessControl/AccessGranted/Anonymous is supported
    - Check that Access Control Service/ Access Control Events/AccessControl/Denied/Anonymous is supported
  - If Access Taken is supported:
    - Check that Access Control Service/ Access Control Events/AccessControl/AccessTaken/Credential is supported
    - Check that Access Control Service/ Access Control Events/AccessControl/AccessNotTaken/Credential is supported
  - If ExternalAuthentication is supported:
    - Check that Access Control Service/ Access Control Events/AccessControl/Request/Credential is supported
- o Profile A detection was updated:
  - Check that Credential Service/ Credential Entity is supported
- o The following test cases were updated:
  - DOORCONTROL-2-1-4 GET DOOR INFO WITH INVALID TOKEN
  - DOORCONTROL-2-1-6 GET DOOR INFO LIST – LIMIT
  - DOORCONTROL-2-1-8 GET DOOR INFO LIST – NO LIMIT
  - ACCESSCONTROL-2-1-2 GET ACCESS POINT INFO WITH INVALID TOKEN
  - ACCESSCONTROL-2-1-3 GET ACCESS POINT INFO LIST - LIMIT
  - ACCESSCONTROL-2-1-5 GET ACCESS POINT INFO LIST - NO LIMIT
- o Door Entity added into RunIfSupported:
  - DOORCONTROL-2-1-1 GET DOOR STATE
  - DOORCONTROL-2-1-2 GET DOOR STATE WITH INVALID TOKEN
  - DOORCONTROL-2-1-3 GET DOOR INFO
  - DOORCONTROL-2-1-7 GET DOOR INFO LIST – START REFERENCE AND LIMIT
  - DOORCONTROL-2-1-10 GET DOOR INFO – TOO MANY ITEMS
  - DOORCONTROL-3-1-10 ACCESS DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-11 BLOCK DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-12 DOUBLE LOCK DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-13 LOCK DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-14 UNLOCK DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-15 LOCK DOWN DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-16 LOCK DOWN RELEASE DOOR WITH INVALID TOKEN
  - DOORCONTROL-3-1-17 LOCK OPEN DOOR WITH INVALID TOKEN

- DOORCONTROL-3-1-18 LOCK OPEN RELEASE DOOR WITH INVALID TOKEN
- DOORCONTROL-3-1-19 ACCESS DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-20 BLOCK DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-21 DOUBLE LOCK DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-22 LOCK DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-23 UNLOCK DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-24 LOCK DOWN DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-25 LOCK DOWN RELEASE DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-26 LOCK OPEN DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-27 LOCK OPEN RELEASE DOOR – COMMAND NOT SUPPORTED
- DOORCONTROL-3-1-28 ACCESS DOOR
- DOORCONTROL-3-1-29 BLOCK DOOR
- DOORCONTROL-3-1-30 DOUBLE LOCK DOOR
- DOORCONTROL-3-1-31 LOCK DOOR
- DOORCONTROL-3-1-32 UNLOCK DOOR
- DOORCONTROL-3-1-33 LOCK OPEN DOOR
- DOORCONTROL-3-1-34 LOCK OPEN RELEASE DOOR
- DOORCONTROL-3-1-35 LOCK DOWN DOOR
- DOORCONTROL-3-1-36 LOCK DOWN RELEASE DOOR
- DOORCONTROL-6-1-1 DOOR CONTROL – DOOR MODE EVENT
- DOORCONTROL-6-1-2 DOOR CONTROL – DOOR PHYSICAL STATE EVENT
- DOORCONTROL-6-1-3 DOOR CONTROL – DOOR PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-4 DOOR CONTROL – DOUBLE LOCK PHYSICAL STATE EVENT
- DOORCONTROL-6-1-5 DOOR CONTROL – DOUBLE LOCK PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-6 DOOR CONTROL – LOCK PHYSICAL STATE EVENT
- DOORCONTROL-6-1-7 DOOR CONTROL – LOCK PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-8 DOOR CONTROL – DOOR TAMPER EVENT
- DOORCONTROL-6-1-9 DOOR CONTROL – DOOR TAMPER EVENT STATE CHANGE
- DOORCONTROL-6-1-10 DOOR CONTROL – DOOR ALARM EVENT
- DOORCONTROL-6-1-11 DOOR CONTROL – DOOR ALARM EVENT STATE CHANGE
- DOORCONTROL-6-1-12 DOOR CONTROL – DOOR FAULT EVENT
- DOORCONTROL-6-1-13 DOOR CONTROL – DOOR FAULT EVENT STATE CHANGE
- Access Point Entity added into RunIfSupported:
  - DOORCONTROL-5-1-1 GET ACCESS POINT INFO LIST AND GET DOOR INFO LIST CONSISTENCY
  - ACCESSCONTROL-2-1-1 GET ACCESS POINT INFO
  - ACCESSCONTROL-2-1-4 GET ACCESS POINT INFO LIST - START REFERENCE AND LIMIT
  - ACCESSCONTROL-2-1-6 GET ACCESS POINT INFO - TOO MANY ITEMS
  - ACCESSCONTROL-2-1-7 GET ACCESS POINT STATE
  - ACCESSCONTROL-2-1-8 GET ACCESS POINT STATE WITH INVALID TOKEN
  - ACCESSCONTROL-2-1-9 ENABLE/DISABLE ACCESS POINT
  - ACCESSCONTROL-2-1-10 ENABLE/DISABLE ACCESS POINT - COMMAND NOT SUPPORTED

- ACCESSCONTROL-2-1-11 ENABLE ACCESS POINT WITH INVALID TOKEN
- ACCESSCONTROL-2-1-12 DISABLE ACCESS POINT WITH INVALID TOKEN
- ACCESSCONTROL-4-1-1 GET AREA INFO LIST AND GET ACCESS POINT INFO LIST CONSISTENCY
- ACCESSCONTROL-5-1-1 ACCESS CONTROL - ACCESS POINT ENABLED EVENT
- ACCESSCONTROL-5-1-2 ACCESS CONTROL - ACCESS POINT ENABLED EVENT STATE CHANGE
- ACCESSCONTROL-6-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS EVENT
- ACCESSCONTROL-6-1-2 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL EVENT
- ACCESSCONTROL-6-1-3 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER EVENT
- ACCESSCONTROL-7-1-1 ACCESS CONTROL - ACCESS TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-7-1-2 ACCESS CONTROL - ACCESS TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-8-1-1 ACCESS CONTROL - ACCESS NOT TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-8-1-2 ACCESS CONTROL - ACCESS NOT TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-1 ACCESS CONTROL - ACCESS DENIED TO ANONYMOUS EVENT
- ACCESSCONTROL-9-1-2 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-3 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND - CARD)
- ACCESSCONTROL-9-1-4 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND)
- ACCESSCONTROL-9-1-5 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER EVENT
- ACCESSCONTROL-10-1-2 ACCESS CONTROL - DURESS
- ACCESSCONTROL-11-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-2 ACCESS CONTROL - ACCESS DENIED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-3 ACCESS CONTROL - ACCESS TIMEOUT TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-4 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-5 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-6 ACCESS CONTROL - ACCESS TIMEOUT WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-7 EXTERNAL AUTHORIZATION WITH INVALID TOKEN
- ACCESSCONTROL-11-1-8 EXTERNAL AUTHORIZATION - COMMAND NOT SUPPORTED
- ACCESSCONTROL-11-1-9 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER (EXTERNAL AUTHORIZATION)

- ACCESSCONTROL-11-1-10 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-11 ACCESS CONTROL - ACCESS TIMEOUT TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- AccessControl/AccessGranted/Anonymous added into RunIfSupported:
  - ACCESSCONTROL-6-1-1 ACCESS CONTROL – ACCESS GRANTED TO ANONYMOUS EVENT
- AccessControl/AccessGranted/Credential added into RunIfSupported:
  - ACCESSCONTROL-6-1-2 ACCESS CONTROL – ACCESS GRANTED WITH CREDENTIAL EVENT
  - ACCESSCONTROL-11-1-4 ACCESS CONTROL – ACCESS GRANTED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- AccessControl/AccessTaken/Credential added into RunIfSupported:

  - ACCESSCONTROL-7-1-2 ACCESS CONTROL – ACCESS TAKEN WITH CREDENTIAL EVENT
- AccessControl/AccessNotTaken/Credential added into RunIfSupported:
  - ACCESSCONTROL-8-1-2 ACCESS CONTROL – ACCESS NOT TAKEN WITH CREDENTIAL EVENT
- AccessControl/Denied/Anonymous added into RunIfSupported:
  - ACCESSCONTROL-9-1-1 ACCESS CONTROL – ACCESS DENIED TO ANONYMOUS EVENT
- AccessControl/Denied/Credential added into RunIfSupported:
  - ACCESSCONTROL-9-1-2 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT
  - ACCESSCONTROL-11-1-5 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- AccessControl/Request/Credential added into RunIfSupported:
  - ACCESSCONTROL-11-1-4 ACCESS CONTROL – ACCESS GRANTED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
  - ACCESSCONTROL-11-1-5 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
  - ACCESSCONTROL-11-1-6 ACCESS CONTROL – ACCESS TIMEOUT WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- Credential Entity added into RunIfSupported:
  - CREDENTIAL-2-1-1 GET CREDENTIAL INFO
  - CREDENTIAL-2-1-2 GET CREDENTIAL INFO LIST - LIMIT
  - CREDENTIAL-2-1-3 GET CREDENTIAL INFO LIST - START REFERENCE AND LIMIT
  - CREDENTIAL-2-1-4 GET CREDENTIAL INFO LIST - NO LIMIT
  - CREDENTIAL-2-1-5 GET CREDENTIAL INFO WITH INVALID TOKEN
  - CREDENTIAL-2-1-6 GET CREDENTIAL INFO - TOO MANY ITEMS
  - CREDENTIAL-3-1-1 GET CREDENTIALS
  - CREDENTIAL-3-1-2 GET CREDENTIAL LIST - LIMIT
  - CREDENTIAL-3-1-3 GET CREDENTIAL LIST - START REFERENCE AND LIMIT
  - CREDENTIAL-3-1-4 GET CREDENTIAL LIST - NO LIMIT
  - CREDENTIAL-3-1-5 CREATE CREDENTIAL (ENABLED)
  - CREDENTIAL-3-1-6 CREATE CREDENTIAL (DISABLED)
  - CREDENTIAL-3-1-7 MODIFY CREDENTIAL
  - CREDENTIAL-3-1-8 DELETE CREDENTIAL

- CREDENTIAL-3-1-9 GET CREDENTIALS WITH INVALID TOKEN
- CREDENTIAL-3-1-10 GET CREDENTIALS - TOO MANY ITEMS
- CREDENTIAL-3-1-11 CREATE CREDENTIAL - NOT EMPTY CREDENTIAL TOKEN
- CREDENTIAL-3-1-12 MODIFY CREDENTIAL WITH INVALID TOKEN
- CREDENTIAL-3-1-13 DELETE CREDENTIAL WITH INVALID TOKEN
- CREDENTIAL-3-1-14 CREATE CREDENTIAL - VALIDITY VALUES
- CREDENTIAL-3-1-15 MODIFY CREDENTIAL - VALIDITY VALUES
- CREDENTIAL-3-1-16 SET NEW CREDENTIAL (ENABLED)
- CREDENTIAL-3-1-17 SET NEW CREDENTIAL (DISABLED)
- CREDENTIAL-3-1-18 SET CREDENTIAL
- CREDENTIAL-4-1-1 GET CREDENTIAL STATE
- CREDENTIAL-4-1-2 CHANGE CREDENTIAL STATE
- CREDENTIAL-4-1-3 GET CREDENTIAL STATE WITH INVALID TOKEN
- CREDENTIAL-4-1-4 ENABLE CREDENTIAL WITH INVALID TOKEN
- CREDENTIAL-4-1-5 DISABLE CREDENTIAL WITH INVALID TOKEN
- CREDENTIAL-5-1-1 GET CREDENTIAL IDENTIFIER
- CREDENTIAL-5-1-2 SET CREDENTIAL IDENTIFIER – ADDING NEW TYPE
- CREDENTIAL-5-1-3 SET CREDENTIAL IDENTIFIER – REPLACE OF THE SAME TYPE
- CREDENTIAL-5-1-4 DELETE CREDENTIAL IDENTIFIER
- CREDENTIAL-5-1-6 GET CREDENTIAL IDENTIFIERS WITH INVALID TOKEN
- CREDENTIAL-5-1-7 SET CREDENTIAL IDENTIFIER WITH INVALID TOKEN
- CREDENTIAL-5-1-8 DELETE CREDENTIAL IDENTIFIER WITH INVALID CREDENTIAL TOKEN
- CREDENTIAL-5-1-9 DELETE CREDENTIAL IDENTIFIER WITH INVALID IDENTIFIER TYPE
- CREDENTIAL-5-1-10 DELETE CREDENTIAL IDENTIFIER - MIN IDENTIFIERS PER CREDENTIAL
- CREDENTIAL-6-1-1 GET CREDENTIAL ACCESS PROFILES
- CREDENTIAL-6-1-2 SET CREDENTIAL ACCESS PROFILES - ADDING NEW ACCESS PROFILE
- CREDENTIAL-6-1-3 SET CREDENTIAL ACCESS PROFILES - UPDATING ACCESS PROFILE
- CREDENTIAL-6-1-4 DELETE CREDENTIAL ACCESS PROFILES
- CREDENTIAL-6-1-5 GET CREDENTIAL ACCESS PROFILES WITH INVALID TOKEN
- CREDENTIAL-6-1-6 SET CREDENTIAL ACCESS PROFILES WITH INVALID CREDENTIAL TOKEN
- CREDENTIAL-6-1-7 DELETE CREDENTIAL ACCESS PROFILES WITH INVALID CREDENTIAL TOKEN
- CREDENTIAL-7-1-1 RESET ANTIPASSBACK VIOLATIONS
- CREDENTIAL-7-1-2 RESET ANTIPASSBACK VIOLATIONS WITH INVALID TOKEN
- CREDENTIAL-8-1-2 CONFIGURATION CREDENTIAL CHANGED EVENT
- CREDENTIAL-8-1-3 CONFIGURATION CREDENTIAL REMOVED EVENT
- CREDENTIAL-8-1-4 CREDENTIAL STATE ENABLED EVENT
- CREDENTIAL-8-1-5 CREDENTIAL STATE ANTIPASSBACK VIOLATION EVENT (PROPERTY EVENT)
- CREDENTIAL-9-1-1 GET CREDENTIAL AND GET ACCESS PROFILE INFO LIST CONSISTENCY
- #1867 Profile M: Profile M features in DTT
  - Profile M added (draft status)

- #2015 [Profile M] Rule configuration functionality
  - ANALYTICS-6-1-1 GET SUPPORTED RULES (added)
  - ANALYTICS-6-1-2 GET RULE OPTIONS (added)
  - ANALYTICS-6-1-3 GET RULES (added)
  - ANALYTICS-6-1-4 CREATE RULES (added)
  - ANALYTICS-6-1-5 DELETE RULES (added)
  - ANALYTICS-6-1-6 MODIFY RULES (added)
- #2117 Analytics-1-1-1 fails for DTT 20.10
- #2020 [Profile M] CreateAnalyticsModules: description in wsdl is contradictory
  - ANALYTICS-6-1-1-v20.12 GET SUPPORTED RULES (updated)
  - ANALYTICS-4-1-1-v20.12 GET SUPPORTED ANALYTICS MODULES (updated)
- #2025 [Profile M] Ready-to-use Media Profile for streaming metadata
  - MEDIA2-1-1-8-v20.12 READY TO USE MEDIA PROFILE FOR METADATA STREAMING (added)
- #2065 [Profile M] ANALYTICS-4-1-2: check of options shall be updated
  - ANALYTICS-4-1-2 GET ANALYTICS MODULES OPTIONS (incorrect check that each item from module description has corresponding option was removed)
- #2073 [Profile M] RTSP Digest Authentication
  - The following test cases were updated with check that RTSP digest is used bu devices with Profile M scope:
    - 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 SYNCRONIZATION 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 SYNCRONIZATION 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-1-2-1 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)
- #2082 Add new test cases for Audio Full duplex+video
    - MEDIA2 STREAMING – G.711 BACKCHANNEL AND H.26X VIDEO AND G.711/AAC AUDIO (RTP-Unicast/UDP) (added)
- #2094 Update the DTT according to change of Network configuration requirement in Core
    - IPv6 feature definition was updated
    - HTTPS feature definition was updated
    - NetworkConfigNotSupported feature added into feature list (will be used in the CTT)
    - Pre-Requisites of the following test cases were updated with adding of Profile S scope or Profile G scope or Profile C scope or Profile A scope or Profile Q scope or Profile T scope
          - DEVICE-3-1-4 SYSTEM COMMAND SETSYSTEMDATEANDTIME TEST FOR INVALID TIMEZONE
          - DEVICE-3-1-5 SYSTEM COMMAND SETSYSTEMDATEANDTIME TEST FOR INVALID DATE
          - DEVICE-3-1-6 SYSTEM COMMAND FACTORY DEFAULT HARD
          - DEVICE-3-1-7 SYSTEM COMMAND FACTORY DEFAULT SOFT
          - DEVICE-3-1-11 SYSTEM COMMAND SETSYSTEMDATEANDTIME
          - DEVICE-3-1-12 SYSTEM COMMAND SETSYSTEMDATEANDTIME USING NTP
    - Pre-Requisites of the following test cases were updated with adding of Network Configuration feature:
          - ADVANCED_SECURITY-3-1-1 Add Server Certificate Assignment – self-signed
          - ADVANCED_SECURITY-3-1-2 Add Server Certificate Assignment – CA
          - ADVANCED_SECURITY-3-1-3 Replace Server Certificate Assignment – self-signed
          - ADVANCED_SECURITY-3-1-4 Replace Server Certificate Assignment – CA
          - ADVANCED_SECURITY-3-1-5 Get Assigned Server Certificates – self-signed
          - ADVANCED_SECURITY-3-1-6 Get Assigned Server Certificates – CA
          - ADVANCED_SECURITY-3-1-7 Remove Server Certificate Assignment – self-signed
          - ADVANCED_SECURITY-3-1-8 Remove Server Certificate Assignment – CA
          - ADVANCED_SECURITY-3-2-3 Basic TLS Handshake
          - ADVANCED_SECURITY-3-2-4 Basic TLS Handshake after Replace Server Certificate Assignment
          - ADVANCED_SECURITY-3-2-5 Basic TLS Handshake with Replace Server Certification Path and PKCS#12
          - ADVANCED_SECURITY-3-3-1 TLS client authentication – self-signed TLS server certificate with on-device RSA key pair
          - ADVANCED_SECURITY-3-3-2 CRL processing with on-device RSA key pair
          - ADVANCED_SECURITY-4-1-1 TLS Server Certificate - self-signed
          - ADVANCED_SECURITY-4-1-2 TLS Server Certificate – CA
          - ADVANCED_SECURITY-9-1-2 Disable TLS Version
          - DEVICE-2-1-1 NETWORK COMMAND HOSTNAME CONFIGURATION
          - DEVICE-2-1-3 NETWORK COMMAND SETHOSTNAME TEST ERROR CASE
          - DEVICE-2-1-4 GET DNS CONFIGURATION

- DEVICE-2-1-5 SET DNS CONFIGURATION - SEARCHDOMAIN
- DEVICE-2-1-6 SET DNS CONFIGURATION - DNSMANUAL IPV4
- DEVICE-2-1-7 SET DNS CONFIGURATION - DNSMANUAL IPV6
- DEVICE-2-1-8 SET DNS CONFIGURATION - FROMDHCP
- DEVICE-2-1-9 DNS CONFIGURATION - DNSMANUAL INVALID IPV4
- DEVICE-2-1-10 SET DNS CONFIGURATION - DNSMANUAL INVALID IPV6
- DEVICE-2-1-11 GET NTP CONFIGURATION
- DEVICE-2-1-12 SET NTP CONFIGURATION - NTPMANUAL IPV4
- DEVICE-2-1-13 SET NTP CONFIGURATION - NTPMANUAL IPV6
- DEVICE-2-1-14 SET NTP CONFIGURATION - FROMDHCP
- DEVICE-2-1-15 SET NTP CONFIGURATION - NTPMANUAL INVALID IPV4
- DEVICE-2-1-16 SET NTP CONFIGURATION - NTPMANUAL INVALID IPV6
- DEVICE-2-1-17 GET NETWORK INTERFACE CONFIGURATION
- DEVICE-2-1-18 SET NETWORK INTERFACE CONFIGURATION - IPV4
- DEVICE-2-1-19 SET NETWORK INTERFACE CONFIGURATION - IPV6
- DEVICE-2-1-20 SET NETWORK INTERFACE CONFIGURATION - INVALID IPV4
- DEVICE-2-1-21 SET NETWORK INTERFACE CONFIGURATION - INVALID IPV6
- DEVICE-2-1-25 GET NETWORK DEFAULT GATEWAY CONFIGURATION
- DEVICE-2-1-28 SET NETWORK DEFAULT GATEWAY CONFIGURATION - INVALID IPV4
- DEVICE-2-1-29 SET NETWORK DEFAULT GATEWAY CONFIGURATION - INVALID IPV6
- DEVICE-2-1-30 SET NETWORK DEFAULT GATEWAY CONFIGURATION - IPV4
- DEVICE-2-1-31 SET NETWORK DEFAULT GATEWAY CONFIGURATION - IPV6
- DEVICE-2-1-32 NETWORK COMMAND SETHOSTNAME TEST
- DEVICE-2-1-33 GET NETWORK PROTOCOLS CONFIGURATION
- DEVICE-2-1-34 SET NETWORK PROTOCOLS CONFIGURATION
- DEVICE-2-1-35 SET NETWORK PROTOCOLS CONFIGURATION - UNSUPPORTED PROTOCOLS
- DEVICE-2-1-36 GET DYNAMIC DNS CONFIGURATION
- DEVICE-2-1-37 SET DYNAMIC DNS CONFIGURATION
- DEVICE-6-1-1 DEVICE MANAGEMENT - NAMESPACES (DEFAULT NAMESPACES FOR EACH TAG)
- DEVICE-6-1-2 DEVICE MANAGEMENT - NAMESPACES (DEFAULT NAMESPACES FOR PARENT TAG)
- DEVICE-6-1-3 DEVICE MANAGEMENT - NAMESPACES (NOT STANDARD PREFIXES)
- DEVICE-6-1-4 DEVICE MANAGEMENT - NAMESPACES (DIFFERENT PREFIXES FOR THE SAME NAMESPACE)
- DEVICE-6-1-5 DEVICE MANAGEMENT - NAMESPACES (THE SAME PREFIX FOR DIFFERENT NAMESPACES)
- DEVICE-7-1-1 GET IP ADDRESS FILTER
- DEVICE-7-1-2 SET IP ADDRESS FILTER – IPv4
- DEVICE-7-1-3 ADD IP ADDRESS FILTER – IPv4
- DEVICE-7-1-4 REMOVE IP ADDRESS FILTER – IPv4
- IPCONFIG-1-1-3 IPV4 DHCP
- IPCONFIG-1-1-5 IPV4 LINK LOCAL ADDRESS
- IPCONFIG-2-1-2 IPV6 STATELESS IP CONFIGURATION - ROUTER ADVERTISEMENT
- IPCONFIG-2-1-3 IPV6 STATELESS IP CONFIGURATION - NEIGHBOUR DISCOVERY
- IPCONFIG-2-1-4 IPV6 STATEFUL IP CONFIGURATION

- #2097 No test for AccessPoint capabilites that enforces ExternalAuthorisation if IdentifierAccess
  - ACCESSCONTROL-4-1-2-v20.12 ACCESS POINT CAPABILITIES CONSISTENCY (added)
- #2098 ACCESSCONTROL-11-1-10-v20.06 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION) fails due to Reason
  - ACCESSCONTROL-11-1-2 ACCESS CONTROL - ACCESS DENIED TO ANONYMOUS (EXTERNAL AUTHORIZATION) (updated)
  - ACCESSCONTROL-11-1-5 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION) (updated)
- #2109 [Profile M] 7.2 Get services section: GetWsdlUrl missed in the tabe
  - DEVICE-1-1-1 GET WSDL URL (removed)
- #2111 tests unsorted in the XML log

Version: ONVIF Test Tool v.20.10 rev.6237 3rd Prototype

Date: 20 October 2020

Version type: 3rd Prototype of Device Test Tool of Mahou project

Description: The purpose of this delivery is to provide the 3rd Prototype version of the ONVIF Device Test Tool as part of Mahou project, so interested parties could verify that issues are resolved.

Mahou 3rd Prototype
The following tickets/tasks are addressed:

- #2101 Problems with MEDIA-3-3-11 when AEC Options response contains more than one list per encoding
  - MEDIA-3-3-11 AUDIO ENCODER CONFIGURATION OPTIONS AND AUDIO ENCODER CONFIGURATIONS CONSISTENCY (BITRATE AND SAMPLERATE) (updated)
- #2048 DTT does not restore audio encoder configuration back to original settings
  - MEDIA2-3-2-1 G.711 AUDIO ENCODER CONFIGURATION (restore procedure added)
  - MEDIA2-3-2-2 AAC AUDIO ENCODER CONFIGURATION (restore procedure added)
- #2088 [Profile M] VEC commands for device without supporting of Video Encoder
  - MEDIA2-2-3-1-v17.12 VIDEO ENCODER CONFIGURATION (Run Condition updated with Video feature)
  - MEDIA2-2-3-2 VIDEO ENCODER CONFIGURATIONS AND VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY (Run Condition updated with Video feature)
  - MEDIA2-2-3-3 PROFILES AND VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY (Run Condition updated with Video feature)
  - MEDIA2-2-3-4-v20.06 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS (Run Condition updated with Video feature)
  - MEDIA2-2-3-5-v17.06 VIDEO ENCODER CONFIGURATION OPTIONS VALIDATION (Run Condition updated with Video feature)
  - MEDIA2-5-1-2 VIDEO ENCODER INSTANCES PER VIDEO SOURCE (Run Condition updated with Video feature)
  - MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION (Condition for steps with Video Encoder added)
- #2093 Update the DTT according to change of User Handling requirement in Core
  - User Configuration feature added

- o The following profiles were updated with check that User Configuration feature is supported:
  - Profile A
  - Profile C
  - Profile G
  - Profile Q
  - Profile S
  - Profile T
- o Run Conditions of the following test cases were updated with User Configuration feature
  - DEVICE-4-1-1 SECURITY COMMAND GETUSERS
  - DEVICE-4-1-3 SECURITY COMMAND CREATEUSERS ERROR CASE
  - DEVICE-4-1-4 SECURITY COMMAND DELETEUSERS
  - DEVICE-4-1-5 SECURITY COMMAND DELETEUSERS ERROR CASE
  - DEVICE-4-1-6 SECURITY COMMAND DELETEUSERS DELETE ALL USERS
  - DEVICE-4-1-7 SECURITY COMMAND SETUSER
  - DEVICE-4-1-8 SECURITY COMMAND USER MANAGEMENT ERROR CASE
  - DEVICE-4-1-9 SECURITY COMMAND CREATEUSERS

- #2094 Update the DTT according to change of Network configuration requirement in Core
  - o Network Configuration feature added
  - o The following profiles were updated with check that Network Configuration feature is supported:
    - Profile A
    - Profile C
    - Profile G
    - Profile Q
    - Profile S
    - Profile T
- #2099 [Profile M] Consistency of SnapshotUri and VideoEncoder cofiguration supporting
  - o MEDIA2-5-1-1 SNAPSHOT URI (update to be compatible with devices without supporting of Video Encoder)
- #2100 Questionable Media2-8-1-1 GeoLocation test
  - o MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS (check of @GeoLocation removed)
- #2102 ANALYTICS-6-1-3: Optional rule paramters
  - o ANALYTICS-4-1-3 GET ANALYTICS MODULES (steps with check that module has all fields from description was removed)

Version: ONVIF Test Tool v.20.09 rev.6167 2nd Prototype

Date: 18 September 2020

Version type: 2nd Prototype of Device Test Tool of Mahou project

Description: The purpose of this delivery is to provide the 2nd Prototype version of the ONVIF Device Test Tool as part of Mahou project, so interested parties could verify that issues are resolved.

Mahou 2nd Prototype

The following tickets/tasks are addressed:

- #1983 DEVICE-2-1-37-v18.12 fails due to set unsupported Dynamic DNS type in SetDynamicDNS
    - DEVICE-2-1-37 SET DYNAMIC DNS CONFIGURATION (updated and moved to diagnostic)
- #1669 Support for client-supplied tokens in Access Control Specification
    - ACCESSCONTROL-14-1-14 CREATE NEW ACCESS POINT WITH SET ACCESS POINT (ACCESS POINT CAPABILITIES TRUE) (new)
    - ACCESSCONTROL-14-1-15 CREATE NEW ACCESS POINT WITH SET ACCESS POINT (ACCESS POINT CAPABILITIES FALSE) (new)
    - ACCESSCONTROL-14-1-16 MODIFY ACCESS POINT WITH SET ACCESS POINT (new)
    - ACCESSCONTROL-14-1-17 SET ACCESS POINT - EMPTY ACCESS POINT TOKEN (new)
    - ACCESSCONTROL-15-1-13 CREATE NEW AREA WITH SET AREA (new)
    - ACCESSCONTROL-15-1-14 MODIFY AREA WITH SET AREA (new)
    - ACCESSCONTROL-15-1-15 SET AREA - EMPTY AREA TOKEN (new)
    - Client Supplied Token (Area, Access Point) (new feature)
- #2090 JPEG header extension problem validation
    - The following test cases were updated:
        - RTSS-1-1-24 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION (ALL RESOLUTIONS)
        - 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-1-1-45 MEDIA STREAMING – RTP-Unicast/RTSP/HTTP/TCP (LINE BREAKS IN BASE64 * ENCODING)
        - RTSS-1-1-46 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
        - RTSS-1-1-53 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-1-2-13 MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv4)
        - RTSS-1-2-16 MEDIA STREAMING – JPEG (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-5-1-7 START AND STOP MULTICAST STREAMING – JPEG (IPv4)
- RTSS-5-1-9 START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)
- #1893 HELLO Interference
  - Log for receiving Hello message from device was extended

Version: ONVIF Test Tool v.20.08 rev.6119 1st Prototype
Date: 19 August 2020

Version type: 1st Prototype of Device Test Tool of Mahou project

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Mahou project, so interested parties could verify that issues are resolved.

Mahou 1st Prototype
The following tickets/tasks are addressed:

- #2071   MEDIA-3-4-8-v15.06 GET AUDIO OUTPUT CONFIGURATION OPTIONS – Issue
  - MEDIA-3-4-8 GET AUDIO OUTPUT CONFIGURATION OPTIONS (updated)
- #2072   Multi sensor device media2 test case fail
  - The following test cases were updated:
    - MEDIA2-1-1-5 CREATE MEDIA PROFILE WITH CONFIGURATIONS
    - 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)
- #2075   In the Quick Install tab, Select button does not open window to choose the firmware path

Open Known Issues
- #2042: [SCHEDULE-5-1-14] Generation of date for iCalendar works incorrectly and leads to internal error

Version: ONVIF Test Tool v.20.06 rev.6086 Release
Date: 26 June 2020

Version type: Release of Device Test Tool of Left Hand project

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Left Hand project, so interested parties could verify that issues are resolved.

Left Hand Release
The following tickets/tasks are addressed:

- Version of the DTT and RTSP Client were updated to 20.06

Open Known Issues
- #2042: [SCHEDULE-5-1-14] Generation of date for iCalendar works incorrectly and leads to internal error

Version: ONVIF Test Tool v.20.06RC rev.6058 Release Candidate

Date: 15 June 2020

Version type: Release candidate of Device Test Tool of Left Hand project

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Left Hand project, so interested parties could verify that issues are resolved.

Left Hand Release candidate

The following tickets/tasks are addressed:

- #1821 Profile M: DTT: Analytics engine-Face descriptor
    - New feature: Human Face (in Analytics Service item)
    - New test case: ANALYTICS-5-1-4-v20.06 HUMAN FACE DESCRIPTOR
- #1832 Profile M: DTT: Metadata capabilities
    - Supported Metadata feature added
    - ANALYTICS-4-1-4 Get Supported Metadata (new)
    - ANALYTICS-3-1-2 Get Analytics Service Capabilities (new)
    - ANALYTICS-3-1-1 Get Services and Get Analytics Service Capabilities Consistency (updated with check of new capability)
- #1842 Profile M: DTT: Analytics engine-Vehicle descriptor
    - Vehicle Info feature added
    - ANALYTICS-5-1-2 Vehicle Information Descriptor test case added
- #1844 Profile M: DTT: Analytics engine-License plate descriptor
    - New feature: License Plate Information (in Analytics Service item)
    - New test case: ANALYTICS-5-1-5-v20.06 LICENSE PLATE INFORMATION DESCRIPTOR
- #1996 Profile M: DTT: ONVIF support for MQTT events publish from device
    - Event Broker features added:
        - MQTT Event Broker
        - MQTT protocols: mqtt, mqtts, ws, and wss
    - Updated test cases
        - EVENT-5-1-1 EVENT SERVICE CAPABILITIES (check of new capabilities added)
        - EVENT-5-1-2 GET SERVICES AND EVENT SERVICE CAPABILITIES CONSISTENCY (check of new capabilities added)
    - New test cases
        - EVENT-7-1-1 GET EVENT BROKER CONFIGURATIONS
        - EVENT-7-1-2 ADD EVENT BROKER CONFIGURATION
        - EVENT-7-1-3 MODIFY EVENT BROKER CONFIGURATION
        - EVENT-7-1-4 DELETE EVENT BROKER CONFIGURATION
- #1836 Profile M: DTT: Image sending
    - The following features were added under Analytics Service item:
        - Image Sending
        - Embedded Image Sending Type

- Local Storage Image Sending Type
- Remote Storage Image Sending Type
    - New test case added:
        - ANALYTICS-5-1-7-v20.06 IMAGE DATA
- #1840 Profile M: DTT: Analytics engine-Human body descriptor
    - New feature: Human Body (in Analytics Service item)
    - New test case: ANALYTICS-5-1-6-v20.06 HUMAN BODY DESCRIPTOR
- #2018 [Profile M] Do we need to check requirement about bounding boxes coordinates?
    - ANALYTICS-4-1-4 GET SUPPORTED METADATA was updated with check of coordinates of BoundingBox and Polygon in Shape.
- #2052 DOORCONTROL-1-1-1-v14.12 passes even though MaxLimit=0
    - DOORCONTROL-1-1-1-v20.06 DOOR CONTROL SERVICE CAPABILITIES (updated)
- #2061 [Profile M] Do we need to check action ([WS-Addressing]) for new event broker commands?
    - WS-addressing header was removed from MQTT commands requests
    - Check of WS-addressing in MQTT commands responses were changed:
        - If response contains wsa:Action with mustUnderstand = false, test passed with warning
        - If response contains wsa:Action with mustUnderstand = true, test failed
- #1901 [Profile M] Requirements for ProfileChanged event and ConfigurationChanged event are conflict with Media2 service
    - tns1:Media/ConfigurationChanged and tns1:Media/ProfileChanged features were added into Media2 Service
    - The following test cases were updated with skipping of subscription steps in case corresponding event is not supported:
        - MEDIA2-1-1-2 CREATE MEDIA PROFILE WITH PRE-DEFINED CONFIGURATION
        - MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION
        - MEDIA2-2-2-5 MODIFY ALL SUPPORTED VIDEO SOURCE CONFIGURATIONS
        - MEDIA2-2-3-4 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS
        - MEDIA2-3-1-5 MODIFY ALL SUPPORTED AUDIO SOURCE CONFIGURATIONS
        - MEDIA2-3-2-1 G.711 AUDIO ENCODER CONFIGURATION
        - MEDIA2-3-2-2 AAC AUDIO ENCODER CONFIGURATION
        - MEDIA2-3-3-5 MODIFY ALL SUPPORTED AUDIO OUTPUT CONFIGURATIONS
        - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
        - MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS
    - Profile T definition updated:
        - Check that tns1:Media/ConfigurationChanged and tns1:Media/ProfileChanged features are supported added
- #1999 DTT needs to be updated according to changes to Core spec and profile specs
    - Event Service definition changed
    - Pull-Point Notification feature added

- Profiles S, A, C, Q, G, T updated with check that Event Service and Pull-Point Notification feature are supported
- The following test cases were updated with skipping steps with subscription if Event Service is not supported:
  - MEDIA2-1-1-2 CREATE MEDIA PROFILE WITH PRE-DEFINED CONFIGURATION
  - MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION
  - MEDIA2-2-2-5 MODIFY ALL SUPPORTED VIDEO SOURCE CONFIGURATIONS
  - MEDIA2-2-3-4 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS
  - MEDIA2-3-1-5 MODIFY ALL SUPPORTED AUDIO SOURCE CONFIGURATIONS
  - MEDIA2-3-2-1 G.711 AUDIO ENCODER CONFIGURATION
  - MEDIA2-3-2-2 AAC AUDIO ENCODER CONFIGURATION
  - MEDIA2-3-3-5 MODIFY ALL SUPPORTED AUDIO OUTPUT CONFIGURATIONS
  - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
  - MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS
- The following test case was updated with skipping steps with subscription if Pull-Point Notification feature is not supported
  - ANALYTICS-2-1-1 MOTION REGION DETECTOR EVENT
- Run If Supported of the following test cases were updated with adding of Event Service
  - All test cases from Event Handling section
  - ACCESS_RULES-5-1-1 ACCESS PROFILE CHANGED EVENT
  - ACCESS_RULES-5-1-2 ACCESS PROFILE REMOVED EVENT
  - CREDENTIAL-8-1-2 CONFIGURATION CREDENTIAL CHANGED EVENT
  - CREDENTIAL-8-1-3 CONFIGURATION CREDENTIAL REMOVED EVENT
  - CREDENTIAL-8-1-4 CREDENTIAL STATE ENABLED EVENT
  - CREDENTIAL-8-1-5 CREDENTIAL STATE ANTIPASSBACK VIOLATION EVENT (PROPERTY EVENT)
  - RECORDING-5-1-8 RECORDING CONTROL – CREATE TRACK EVENT
  - RECORDING-5-1-9 RECORDING CONTROL – DELETE TRACK EVENT
  - SCHEDULE-7-1-2 SCHEDULE CHANGED EVENT
  - SCHEDULE-7-1-3 SCHEDULE REMOVED EVENT
  - SCHEDULE-7-1-4 SPECIAL DAYS CHANGED EVENT
  - SCHEDULE-7-1-5 SPECIAL DAYS REMOVED EVENT
- Run If Supported of the following test cases were updated with adding of Pull-Point Notification feature
  - ACCESSCONTROL-11-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
  - ACCESSCONTROL-11-1-2 ACCESS CONTROL - ACCESS DENIED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
  - ACCESSCONTROL-11-1-3 ACCESS CONTROL - ACCESS TIMEOUT TO ANONYMOUS (EXTERNAL AUTHORIZATION)
  - ACCESSCONTROL-11-1-4 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)

- ACCESSCONTROL-11-1-5 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-6 ACCESS CONTROL - ACCESS TIMEOUT WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-9 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-10 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-11 ACCESS CONTROL - ACCESS TIMEOUT TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-5-1-1 ACCESS CONTROL - ACCESS POINT ENABLED EVENT
- ACCESSCONTROL-5-1-2 ACCESS CONTROL - ACCESS POINT ENABLED EVENT STATE CHANGE
- ACCESSCONTROL-6-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS EVENT
- ACCESSCONTROL-6-1-2 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL EVENT
- ACCESSCONTROL-6-1-3 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER EVENT
- ACCESSCONTROL-7-1-1 ACCESS CONTROL - ACCESS TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-7-1-2 ACCESS CONTROL - ACCESS TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-8-1-1 ACCESS CONTROL - ACCESS NOT TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-8-1-2 ACCESS CONTROL - ACCESS NOT TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-1 ACCESS CONTROL – ACCESS DENIED TO ANONYMOUS EVENT
- ACCESSCONTROL-9-1-2 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-3 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND – CARD)
- ACCESSCONTROL-9-1-4 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND)
- ACCESSCONTROL-9-1-5 ACCESS CONTROL – ACCESS DENIED TO IDENTIFIER EVENT
- ACCESSCONTROL-10-1-2 ACCESS CONTROL – DURESS
- ACCESSCONTROL-12-1-1 ACCESS CONTROL – ADD OR CHANGE ACCESS POINT EVENT
- ACCESSCONTROL-12-1-2 ACCESS CONTROL – REMOVE ACCESS POINT EVENT
- ACCESSCONTROL-13-1-1 ACCESS CONTROL – ADD OR CHANGE AREA EVENT
- ACCESSCONTROL-13-1-2 ACCESS CONTROL – REMOVE AREA EVENT
- ACCESSCONTROL-14-1-5 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES TRUE)
- ACCESSCONTROL-14-1-6 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES FALSE)
- ACCESSCONTROL-14-1-7 MODIFY ACCESS POINT
- ACCESSCONTROL-14-1-8 DELETE ACCESS POINT
- ACCESSCONTROL-15-1-5 CREATE AREA
- ACCESSCONTROL-15-1-6 MODIFY AREA
- ACCESSCONTROL-15-1-7 DELETE AREA

- ACCESSCONTROL-11-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-2 ACCESS CONTROL - ACCESS DENIED TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-3 ACCESS CONTROL - ACCESS TIMEOUT TO ANONYMOUS (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-4 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-5 ACCESS CONTROL - ACCESS DENIED WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-6 ACCESS CONTROL - ACCESS TIMEOUT WITH CREDENTIAL (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-9 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-10 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-11-1-11 ACCESS CONTROL - ACCESS TIMEOUT TO IDENTIFIER (EXTERNAL AUTHORIZATION)
- ACCESSCONTROL-5-1-1 ACCESS CONTROL - ACCESS POINT ENABLED EVENT
- ACCESSCONTROL-5-1-2 ACCESS CONTROL - ACCESS POINT ENABLED EVENT STATE CHANGE
- ACCESSCONTROL-6-1-1 ACCESS CONTROL - ACCESS GRANTED TO ANONYMOUS EVENT
- ACCESSCONTROL-6-1-2 ACCESS CONTROL - ACCESS GRANTED WITH CREDENTIAL EVENT
- ACCESSCONTROL-6-1-3 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER EVENT
- ACCESSCONTROL-7-1-1 ACCESS CONTROL - ACCESS TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-7-1-2 ACCESS CONTROL - ACCESS TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-8-1-1 ACCESS CONTROL - ACCESS NOT TAKEN BY ANONYMOUS EVENT
- ACCESSCONTROL-8-1-2 ACCESS CONTROL - ACCESS NOT TAKEN WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-1 ACCESS CONTROL – ACCESS DENIED TO ANONYMOUS EVENT
- ACCESSCONTROL-9-1-2 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT
- ACCESSCONTROL-9-1-3 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND – CARD)
- ACCESSCONTROL-9-1-4 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND)
- ACCESSCONTROL-9-1-5 ACCESS CONTROL – ACCESS DENIED TO IDENTIFIER EVENT
- ACCESSCONTROL-10-1-2 ACCESS CONTROL – DURESS
- ACCESSCONTROL-12-1-1 ACCESS CONTROL – ADD OR CHANGE ACCESS POINT EVENT
- ACCESSCONTROL-12-1-2 ACCESS CONTROL – REMOVE ACCESS POINT EVENT
- ACCESSCONTROL-13-1-1 ACCESS CONTROL – ADD OR CHANGE AREA EVENT
- ACCESSCONTROL-13-1-2 ACCESS CONTROL – REMOVE AREA EVENT

- ACCESSCONTROL-14-1-5 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES TRUE)
- ACCESSCONTROL-14-1-6 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES FALSE)
- ACCESSCONTROL-14-1-7 MODIFY ACCESS POINT
- ACCESSCONTROL-14-1-8 DELETE ACCESS POINT
- ACCESSCONTROL-15-1-5 CREATE AREA
- ACCESSCONTROL-15-1-6 MODIFY AREA
- ACCESSCONTROL-15-1-7 DELETE AREA
- ACCESS_RULES-3-1-5 CREATE ACCESS PROFILE
- ACCESS_RULES-3-1-7 MODIFY ACCESS PROFILE
- ACCESS_RULES-3-1-8 DELETE ACCESS PROFILE
- ACCESS_RULES-3-1-15 SET NEW ACCESS PROFILE
- ACCESS_RULES-3-1-16 SET ACCESS PROFILE
- CREDENTIAL-3-1-5 CREATE CREDENTIAL (ENABLED)
- CREDENTIAL-3-1-6 CREATE CREDENTIAL (DISABLED)
- CREDENTIAL-3-1-7 MODIFY CREDENTIAL
- CREDENTIAL-3-1-8 DELETE CREDENTIAL
- CREDENTIAL-3-1-16 SET NEW CREDENTIAL (ENABLED)
- CREDENTIAL-3-1-17 SET NEW CREDENTIAL (DISABLED)
- CREDENTIAL-3-1-18 SET CREDENTIAL
- CREDENTIAL-4-1-2 CHANGE CREDENTIAL STATE
- CREDENTIAL-5-1-2 SET CREDENTIAL IDENTIFIER – ADDING NEW TYPE
- CREDENTIAL-5-1-3 SET CREDENTIAL IDENTIFIER – REPLACE OF THE SAME TYPE
- CREDENTIAL-5-1-4 DELETE CREDENTIAL IDENTIFIER
- CREDENTIAL-6-1-2 SET CREDENTIAL ACCESS PROFILES - ADDING NEW ACCESS PROFILE
- CREDENTIAL-6-1-3 SET CREDENTIAL ACCESS PROFILES - UPDATING ACCESS PROFILE
- CREDENTIAL-6-1-4 DELETE CREDENTIAL ACCESS PROFILES
- CREDENTIAL-7-1-1 RESET ANTIPASSBACK VIOLATIONS
- DEVICEIO-2-1-1 REALTIME PULLPOINT SUBSCRIPTION – DIGITAL INPUT EVENT
- DOORCONTROL-6-1-1 DOOR CONTROL – DOOR MODE EVENT
- DOORCONTROL-6-1-2 DOOR CONTROL – DOOR PHYSICAL STATE EVENT
- DOORCONTROL-6-1-3 DOOR CONTROL – DOOR PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-4 DOOR CONTROL – DOUBLE LOCK PHYSICAL STATE EVENT
- DOORCONTROL-6-1-5 DOOR CONTROL – DOUBLE LOCK PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-6 DOOR CONTROL – LOCK PHYSICAL STATE EVENT
- DOORCONTROL-6-1-7 DOOR CONTROL – LOCK PHYSICAL STATE EVENT STATE CHANGE
- DOORCONTROL-6-1-8 DOOR CONTROL – DOOR TAMPER EVENT
- DOORCONTROL-6-1-9 DOOR CONTROL – DOOR TAMPER EVENT STATE CHANGE
- DOORCONTROL-6-1-10 DOOR CONTROL – DOOR ALARM EVENT
- DOORCONTROL-6-1-11 DOOR CONTROL – DOOR ALARM EVENT STATE CHANGE
- DOORCONTROL-6-1-12 DOOR CONTROL – DOOR FAULT EVENT

- DOORCONTROL-6-1-13 DOOR CONTROL – DOOR FAULT EVENT STATE CHANGE
- DOORCONTROL-7-1-1 DOOR CONTROL – ADD OR CHANGE DOOR EVENT
- DOORCONTROL-7-1-2 DOOR CONTROL – REMOVE DOOR EVENT
- 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
- DOORCONTROL-3-1-28 ACCESS DOOR
- DOORCONTROL-3-1-29 BLOCK DOOR
- DOORCONTROL-3-1-30 DOUBLE LOCK DOOR
- DOORCONTROL-3-1-31 LOCK DOOR
- DOORCONTROL-3-1-32 UNLOCK DOOR
- DOORCONTROL-3-1-33 LOCK OPEN DOOR
- DOORCONTROL-3-1-34 LOCK OPEN RELEASE DOOR
- DOORCONTROL-3-1-35 LOCK DOWN DOOR
- DOORCONTROL-3-1-36 LOCK DOWN RELEASE DOOR
- EVENT-3-1-9 REALTIME PULLPOINT SUBSCRIPTION - CREATE PULL POINT SUBSCRIPTION
- EVENT-3-1-12 REALTIME PULLPOINT SUBSCRIPTION - RENEW
- EVENT-3-1-15 REALTIME PULLPOINT SUBSCRIPTION - PULLMESSAGES
- EVENT-3-1-16 REALTIME PULLPOINT SUBSCRIPTION - PULLMESSAGES FILTER
- EVENT-3-1-17 REALTIME PULLPOINT SUBSCRIPTION - INVALID MESSAGE CONTENT FILTER
- EVENT-3-1-19 REALTIME PULLPOINT SUBSCRIPTION - UNSUBSCRIBE (NEGATIVE TEST)
- EVENT-3-1-20 REALTIME PULLPOINT SUBSCRIPTION - TIMEOUT
- EVENT-3-1-22 REALTIME PULLPOINT SUBSCRIPTION - INVALID TOPIC EXPRESSION
- EVENT-3-1-24 REALTIME PULLPOINT SUBSCRIPTION – PULLMESSAGES AS KEEP-ALIVE
- EVENT-3-1-25 REALTIME PULLPOINT SUBSCRIPTION - SET SYNCHRONIZATION POINT
- EVENT-3-1-32 REALTIME PULLPOINT SUBSCRIPTION – PULLMESSAGES TIMEOUT
- EVENT-3-1-33 REALTIME PULLPOINT SUBSCRIPTION – CONJUNCTION IN PULLMESSAGES FILTER (OR OPERATION)
- EVENT-3-1-34 REALTIME PULLPOINT SUBSCRIPTION – TOPIC SUB-TREE IN PULLMESSAGES FILTER
- EVENT-3-1-35 REALTIME PULLPOINT SUBSCRIPTION – CONJUNCTION IN NOTIFY FILTER (TOPIC SUB-TREE AND OR OPERATION)
- EVENT-3-1-36 REALTIME PULLPOINT SUBSCRIPTION - UNSUBSCRIBE
- EVENT-3-1-37 REALTIME PULLPOINT SUBSCRIPTION – MAXIMUM SUPPORTED NUMBER OF NOTIFICATION PULL POINTS
- EVENT-3-1-38 REALTIME PULLPOINT SUBSCRIPTION - MESSAGE CONTENT FILTER
- IMAGING-4-1-1 REALTIME PULLPOINT SUBSCRIPTION – IMAGE TOO BLURRY
- IMAGING-4-1-2 REALTIME PULLPOINT SUBSCRIPTION – IMAGE TOO DARK

- IMAGING-4-1-3 REALTIME PULLPOINT SUBSCRIPTION – IMAGE TOO BRIGHT
- IMAGING-4-1-4 REALTIME PULLPOINT SUBSCRIPTION – GLOBAL SCENE CHANGE
- IMAGING-4-1-5 REALTIME PULLPOINT SUBSCRIPTION – MOTION ALARM
- RECEIVER-2-1-16 CONFIGURE RECEIVER – (RTP-Unicast/UDP)
- RECEIVER-2-1-17 CONFIGURE RECEIVER – (RTP/RTSP/TCP)
- RECEIVER-2-1-18 CONFIGURE RECEIVER – INVALID MEDIA URI
- RECORDING-2-1-20 START RECORDING ON RECEIVER
- RECORDING-2-1-22 STOP RECORDING ON RECEIVER - PUT JOB IN IDLE STATE
- RECORDING-2-1-23 STOP RECORDING ON RECEIVER - NEVER CONNECTED MODE
- RECORDING-2-1-25 STOP RECORDING ON RECEIVER - DELETE JOB
- RECORDING-2-1-27 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - RECEIVER
- RECORDING-2-1-28 START RECORDING ON MEDIA PROFILE
- RECORDING-2-1-29 STOP RECORDING ON MEDIA PROFILE - PUT JOB IN IDLE STATE
- RECORDING-2-1-30 STOP RECORDING ON MEDIA PROFILE - DELETE JOB
- RECORDING-5-1-3 RECORDING CONTROL – RECORDING CONFIGURATION EVENT
- RECORDING-5-1-4 RECORDING CONTROL – TRACK CONFIGURATION EVENT
- RECORDING-5-1-6 RECORDING CONTROL – CREATE RECORDING EVENT
- RECORDING-5-1-10 RECORDING CONTROL – CREATE TRACK EVENT (CREATE RECORDING)
- RECORDING-5-1-11 RECORDING CONTROL – DELETE TRACK EVENT (DELETE RECORDING)
- RECORDING-5-1-14 RECORDING CONTROL – DELETE TRACK DATA EVENT
- RECORDING-5-1-15 RECORDING CONTROL – CREATE TRACK EVENT (CREATE TRACK)
- RECORDING-5-1-16 RECORDING CONTROL – DELETE TRACK EVENT (DELETE TRACK)
- RECORDING-5-1-17 RECORDING CONTROL – DELETE RECORDING EVENT
- RECORDING-5-1-18 RECORDING CONTROL – JOB STATE EVENT
- RECORDING-5-1-19 RECORDING CONTROL – JOB STATE CHANGE EVENT
- RECORDING-5-1-20 RECORDING CONTROL – RECORDING JOB CONFIGURATION EVENT
- SCHEDULE-3-1-5 CREATE SCHEDULE
- SCHEDULE-3-1-6 MODIFY SCHEDULE
- SCHEDULE-3-1-7 DELETE SCHEDULE
- SCHEDULE-3-1-17 SET NEW SCHEDULE
- SCHEDULE-3-1-18 SET SCHEDULE
- SCHEDULE-5-1-5 CREATE SPECIAL DAY GROUP
- SCHEDULE-5-1-6 MODIFY SPECIAL DAY GROUP
- SCHEDULE-5-1-7 DELETE SPECIAL DAY GROUP
- SCHEDULE-5-1-13 SET NEW SPECIAL DAY GROUP
- SCHEDULE-5-1-14 SET SPECIAL DAY GROUP
- SCHEDULE-6-1-2 CHANGE SCHEDULE STATE - CHANGE STANDARD
- SCHEDULE-6-1-3 CHANGE SCHEDULE STATE - CHANGE SPECIAL DAYS
- SCHEDULE-7-1-1 SCHEDULE STATE ACTIVE EVENT (PROPERTY EVENT)
- ADVANCED_SECURITY-1-1-2 Create RSA Key Pair, status through event

- #2042: [SCHEDULE-5-1-14] Generation of date for iCalendar works incorrectly and leads to internal error

Version: ONVIF Test Tool v.20.04 rev.5892 3rd Prototype

Date: 27 Apr 2020

Version type: 3rd Prototype of Device Test Tool of Left Hand project

Description: The purpose of this delivery is to provide the 3rd Prototype version of the ONVIF Device Test Tool as part of Left Hand project, so interested parties could verify that issues are resolved.

Left Hand 3rd Prototype

The following tickets/tasks are addressed:

- #1846 Profile M: DTT: Analytics engine-Geo tracking
    - Geo Location feature (added in Analytic Service section)
    - ANALYTICS-5-1-3 Geo Location Metadata (new test case)
- #1952 DEVICE-3-1-14-v19.06 START SYSTEM RESTORE - An unexpected error occurred on a receive
- #1954 [Profile D] Check capabilities: Max<Entities> !=0 when <Entities>ManagementSupported = true
    - ACCESSCONTROL-1-1-1 ACCESS CONTROL SERVICE CAPABILITIES (updated)
    - DOORCONTROL-1-1-1 DOOR CONTROL SERVICE CAPABILITIES (updated)
- #2043 Onvif Device Test Tool 19.12 rev. 5581 - RTSS-1-1-27 to 1-1-30 VideoException occurs
    - Debug log was removed.
- #2049 Incorrect title for ACCESSCONTROL-15-1-4
- #2050 New Identifier Access test cases do not respect missing capability
    - RunIfSupported updated:
        - ACCESSCONTROL-11-1-9 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
        - ACCESSCONTROL-11-1-10 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION)
        - ACCESSCONTROL-11-1-11 ACCESS CONTROL - ACCESS TIMEOUT TO IDENTIFIER (EXTERNAL AUTHORIZATION)

- #2042: [SCHEDULE-5-1-14] Generation of date for iCalendar works incorrectly and leads to internal error

Version: ONVIF Test Tool v.20.03 rev.5865 2nd Prototype

Date: 30 Mar 2020

Version type: 2nd Prototype of Device Test Tool of Left Hand project

Description: The purpose of this delivery is to provide the 2nd Prototype version of the ONVIF Device Test Tool as part of Left Hand project, so interested parties could verify that issues are resolved.

Left Hand 2nd Prototype

The following tickets/tasks are addressed:

- #2014 IPV6 Websocket Streaming testcase issue
    - 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-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-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-4-1-11 METADATA STREAMING (RTP-Unicast/RTSP/WebSockets, IPv6)
- #1838 Profile M: DTT: Analytics engine-Object classification
    - Object Classification feature was added
    - ANALYTICS-5-1-1-v20.06 OBJECT CLASSIFICATION METADATA (added)
- #1925 [Profile D] Probably Profile do not include all features that will be requiered for Device to be conformant
    - Credential schema was updated in the DTT
- #1951 [Profile D] accesscontrol.wsdl has undefined namespase prefix (tt)
    - Schema in the DTT was updated
- #1953 [Profile M] How to implement Create/Delete/Modify of AnalyticsModules?
    - The following test cases were added:
        - ANALYTICS-4-1-5 Create Analytics Modules
        - ANALYTICS-4-1-6 Delete Analytics Modules
        - ANALYTICS-4-1-7 Modify Analytics Modules
- #2036 Analytics 4-1-7 should support fixed
- #1676 Full management support (CRUD) for access points and areas
    - updated test cases:
        - ACCESSCONTROL-1-1-2 GET SERVICES AND GET ACCESS CONTROL SERVICE CAPABILITIES CONSISTENCY (updated with adding of new capabilities in check)
    - new test cases:
        - ACCESSCONTROL-14-1-1 GET ACCESS POINTS
        - ACCESSCONTROL-14-1-2 GET ACCESS POINT LIST - LIMIT
        - ACCESSCONTROL-14-1-3 GET ACCESS POINT LIST - START REFERENCE AND LIMIT
        - ACCESSCONTROL-14-1-4 GET ACCESS POINT LIST - NO LIMIT
        - ACCESSCONTROL-14-1-5 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES TRUE)
        - ACCESSCONTROL-14-1-6 CREATE ACCESS POINT (ACCESS POINT CAPABILITIES FALSE)
        - ACCESSCONTROL-14-1-7 MODIFY ACCESS POINT
        - ACCESSCONTROL-14-1-8 DELETE ACCESS POINT
        - ACCESSCONTROL-14-1-9 GET ACCESS POINTS WITH INVALID TOKEN
        - ACCESSCONTROL-14-1-10 GET ACCESS POINTS - TOO MANY ITEMS

- ACCESSCONTROL-14-1-11 CREATE ACCESS POINT - NOT EMPTY ACCESS POINT TOKEN
- ACCESSCONTROL-14-1-12 MODIFY ACCESS POINT WITH INVALID TOKEN
- ACCESSCONTROL-14-1-13 DELETE ACCESS POINT WITH INVALID TOKEN
- ACCESSCONTROL-15-1-1 GET AREAS
- ACCESSCONTROL-15-1-2 GET AREA LIST - LIMIT
- ACCESSCONTROL-15-1-3 GET AREA LIST - START REFERENCE AND LIMIT
- ACCESSCONTROL-15-1-4 GET AREA LIST - NO LIMIT
- ACCESSCONTROL-15-1-5 CREATE AREA
- ACCESSCONTROL-15-1-6 MODIFY AREA
- ACCESSCONTROL-15-1-7 DELETE AREA
- ACCESSCONTROL-15-1-8 GET AREAS WITH INVALID TOKEN
- ACCESSCONTROL-15-1-9 GET AREAS - TOO MANY ITEMS
- ACCESSCONTROL-15-1-10 CREATE AREA - NOT EMPTY AREA TOKEN
- ACCESSCONTROL-15-1-11 MODIFY AREA WITH INVALID TOKEN
- ACCESSCONTROL-15-1-12 DELETE AREA WITH INVALID TOKEN

Open Known Issues

- #2042: [SCHEDULE-5-1-14] Generation of date for iCalendar works incorrectly and leads to internal error

Version: ONVIF Test Tool v.20.02 rev.5734 1st Prototype

Date: 13 Feb 2020

Version type: 1st Prototype of Device Test Tool of Left Hand project

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Left Hand project, so interested parties could verify that issues are resolved.

Left Hand 1st Prototype

The following tickets/tasks are addressed:

- #1878 Test Spec and Test Implementation: Access Control (tns1:AccessControl/Request/Identifier)
  - Identifier Access feature (new)
  - ACCESSCONTROL-11-1-9 ACCESS CONTROL - ACCESS GRANTED TO IDENTIFIER (EXTERNAL AUTHORIZATION) (new)
  - ACCESSCONTROL-11-1-10 ACCESS CONTROL - ACCESS DENIED TO IDENTIFIER (EXTERNAL AUTHORIZATION) (new)
  - ACCESSCONTROL-11-1-11 ACCESS CONTROL - ACCESS TIMEOUT TO IDENTIFIER (EXTERNAL AUTHORIZATION) (new)
- #1881 Test Implementation: Credential Whitelisting
  - Whitelist feature (new)

- o CREDENTIAL-1-1-2 GET SERVICES AND GET CREDENTIAL SERVICE CAPABILITIES CONSISTENCY (updated)
- o ACCESSCONTROL-6-1-3 ACCESS CONTROL – ACCESS GRANTED TO IDENTIFIER EVENT (new)
- o CREDENTIAL-10-1-1 GET WHITELIST - START REFERENCE AND LIMIT (new)
- o CREDENTIAL-10-1-2 GET WHITELIST - FILTERS (new)
- o CREDENTIAL-10-1-3 ADD IDENTIFIER TO WHITELIST (new)
- o CREDENTIAL-10-1-4 REMOVE IDENTIFIER FROM WHITELIST (new)
- o CREDENTIAL-10-1-5 DELETE WHITELIST (new)
- #1883 Test Implementation: Credential Blacklisting
  - o Blacklist feature (new)
  - o CREDENTIAL-1-1-2 GET SERVICES AND GET CREDENTIAL SERVICE CAPABILITIES CONSISTENCY (updated)
  - o ACCESSCONTROL-9-1-5 ACCESS CONTROL – ACCESS DENIED TO IDENTIFIER EVENT (new)
  - o CREDENTIAL-11-1-1 GET BLACKLIST - START REFERENCE AND LIMIT (new)
  - o CREDENTIAL-11-1-2 GET BLACKLIST - FILTERS (new)
  - o CREDENTIAL-11-1-3 ADD IDENTIFIER TO BLACKLIST (new)
  - o CREDENTIAL-11-1-4 REMOVE IDENTIFIER FROM BLACKLIST (new)
  - o CREDENTIAL-11-1-5 DELETE BLACKLIST (new)
- #1920 [Credential - GetServiceCapabilities] New capabilities added as elements in extension
- #1923 [tns1:AccessControl/Request/Identifier] New requirement breaks backward compatibility
  - o AccessControl/AccessGranted/Identifier feature (new)
  - o AccessControl/Denied/Identifier feature (new)
  - o ACCESSCONTROL-9-1-5 ACCESS CONTROL – ACCESS DENIED TO IDENTIFIER EVENT (updated)
  - o ACCESSCONTROL-6-1-3 ACCESS CONTROL – ACCESS GRANTED TO IDENTIFIER EVENT (updated)
- #1952 DEVICE-3-1-14-v19.06 START SYSTEM RESTORE - An unexpected error occurred on a receive (PARTLY)
- #1982 DTT fails to send DESCRIBE in command line mode
  - o Video streaming window was removed from the following test cases:
    - 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
    - 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-1-1-49 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-1-2-12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
- RTSS-1-2-23 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
- #1984 DTT fails to restore profile in Media2 video encoder instances test cases
  - Steps sequence in the rollback procedure was changed:
    - MEDIA2_RTSS-*-*-
    - MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION
    - MEDIA2-1-1-6 REMOVE ALL CONFIGURATIONS FROM MEDIA PROFILE
    - MEDIA2-1-1-7 FIXED MEDIA PROFILE CONFIGURATION
    - MEDIA2-2-2-1 GET VIDEO SOURCE CONFIGURATION OPTIONS
    - MEDIA2-2-3-4 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS
    - MEDIA2-3-1-1 GET AUDIO SOURCE CONFIGURATION OPTIONS
    - MEDIA2-3-3-1 GET AUDIO OUTPUT CONFIGURATION OPTIONS
    - MEDIA2-3-4-1 GET AUDIO DECODER CONFIGURATION OPTIONS
- #1827 [EVO] Make improvements/additions to request tab under debug tab (PARTLY)
  - Debug tab was updated:
    - New requests were added for Media2 service and Analytics service
    - Getting of Service Address added
- #1898 [AddToWhitelist] What shall happens if added identificator already in a whitelist?
  - CREDENTIAL-10-1-3 ADD IDENTIFIER TO WHITELIST (updated)
  - CREDENTIAL-11-1-3 ADD IDENTIFIER TO BLACKLIST (updated)
- #1955 Problem with test case MEDIA2_RTSS_3-1-4-v19.06 Backchannel - G711(RTP-Unicast/UDP, IPv6)
- #1958 No rollback procedure for 3 audio encoder configuration cases
  - Restoring procedure was added:
    - MEDIA-3-1-14 G.711 AUDIO ENCODER CONFIGURATION
    - MEDIA-3-1-15 G.726 AUDIO ENCODER CONFIGURATION
    - MEDIA-3-1-16 AAC AUDIO ENCODER CONFIGURATION
- #1965 Frame rate problem about JPEG high resolution
  - Framerate selection logic was changed for highest JPEG resolution:
    - RTSS-1-1-24 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION (ALL RESOLUTIONS)
    - RTSS-1-1-46 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
    - RTSS-1-1-53 MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)
- #1977 Profile not restored completely by MEDIA2_RTSS-1-1-23-v18.12

- o Restoring procedure was updated to restore all types of configuration for the following test cases:
  - MEDIA2_RTSS-1-1-23 VIDEO ENCODER INSTANCES
  - MEDIA2_RTSS-1-1-24-v20.06 VIDEO ENCODER INSTANCES - H.264
  - MEDIA2_RTSS-1-1-25-v20.06 VIDEO ENCODER INSTANCES - H.265
- #1978 [PlugFest][ADVANCED_SECURITY-9-1-2] Test become failed if device returns valid protocol version alert
  - o ADVANCED_SECURITY-9-1-2-v19.06 Disable TLS Version (updated)
- #1986 Tool tries to add PTZ configuration to a profile where VSC does not support PTZ
  - o PTZ-5-1-4 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE (updated)
- #1987 [Plugfest] ANALYTICS-4-1-2: the DTT incorrectly requires to have Type attribute in GetAnalyticsModuleOptionsResponse
  - o Analytics schema updated
- #1997 GetAnalyticsConfigurations: DTT fails XML validation if space between SimpleItem tags
  - o XML validation procedure was fixed with ignoring of white-spaces between tags

Version: ONVIF Test Tool v.19.12 rev.5581 Release

Date: 16 Dec 2019

Version type: Release of Device Test Tool of Kirin project.

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Kirin project.

Kirin Release Candidate
The following tickets/tasks are addressed:

- #1856 [EVO] Latest sent requests on request tab
  - o Help file was updated.
- #1986 Tool tries to add PTZ configuration to a profile where VSC does not support PTZ
  - o Test PTZ-5-1-4 was moved to diagnostic

Version: ONVIF Test Tool v.19.11 rev.5557 Release Candidate

Date: 29 Nov 2019

Version type: Release candidate of Device Test Tool of Kirin project.

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Kirin project, so interested parties could verify that issues are resolved.

Kirin Release Candidate
The following tickets/tasks are addressed:

- #1982 DTT fails to send DESCRIBE in command line mode **(partly)**
  - o Text of error message was improved to show profile token instead of name:

- 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
- #1978 [PlugFest][ADVANCED_SECURITY-9-1-2] Test become failed if device returns valid protocol version alert **(partly)**
  - ADVANCED_SECURITY-9-1-2-v19.06 Disable TLS Version was moved to diagnostic
- #1856 [EVO] Latest sent requests on request tab **(partly)**
  - New functionality is completed
  - Help has not been updated yet
- #1971 Problem with Video Encoder Instances test cases
  - Profile token field added into GetVideoEncoderConfigurationOptions request:
    - 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

Version: ONVIF Test Tool v.19.11 rev.5533 3rd Prototype

Date: 06 Nov 2019

Version type: 3rd Prototype of Device Test Tool of Kirin project.

Description: The purpose of this delivery is to provide the 3rd Prototype version of the ONVIF Device Test Tool as part of Kirin project, so interested parties could verify that issues are resolved.

Kirin 3rd Prototype
The following tickets/tasks are addressed:

- #1969 Button for selecting Operator Actions file path does not work
- #1668 Support for client-supplied tokens in Door Control Specification
  - The following test cases were added in diagnostic mode:
    - 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
  - The following new features were added:
    - Door Control Service/Client Supplied Token (Door)
- #1808 Incorrect restore of audio multicast settings causes RTSS-5-1-9 to fail with duplicate errors
  - Test cases were update to remove ASC from profile if any before streaming:
    - RTSS-5-1-7 START AND STOP MULTICAST STREAMING – JPEG (IPv4)
    - RTSS-1-2-19 VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
    - RTSS-1-2-20 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
- #1894 [PlugFest] Shall Media2 device have at least one metadata configuration?
  - Feature definition process was updated with new Metadata feature under Media2 service
  - Profile T check procedure was updated with adding of check that Metadata is supported

- o MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION updated. Steps with metadata were moved under condition that Metadata feature is supported.
  - o Metadata feature added into RunIfSupported of the following test cases:
    - ▪ 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)
    - ▪ MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS
- #1913 [Profile M] Test cases for !GetAnalyticsConfigurations? command
  - o MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION (updated)
  - o MEDIA2-1-1-4 GET PROFILES (updated)
  - o MEDIA2-9-1-1 GET ANALYTICS CONFIGURATIONS (added in diagnostic mode)
  - o MEDIA2-9-1-2 PROFILES AND ANALYTICS CONFIGURATIONS CONSISTENCY (added in diagnostic mode)
  - o MEDIA2-9-1-3 GET ANALYTICS CONFIGURATIONS – INVALID TOKEN (added in diagnostic mode)
  - o MEDIA2-8-1-2 GET METADATA CONFIGURATIONS (added in diagnostic mode)
  - o MEDIA2-8-1-3 PROFILES AND METADATA CONFIGURATIONS CONSISTENCY (added in diagnostic mode)
  - o MEDIA2-8-1-4 GET METADATA CONFIGURATIONS – INVALID TOKEN (added in diagnostic mode)
- #1926 [CR2512] Add Metadata dependency to Media2 - backward compatibility issue with MetadataConfiguration
  - o MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION (Steps with Metadata Configuration were moved into cycle with Video Source Configuration)
- #1933 [CR19.06_2.1] Extend Imaging test cases with new AFMode imaging settings
  - o proxy updated with new fields
  - o IMAGING-1-1-3 IMAGING COMMAND GETOPTIONS (options validation updated)
  - o IMAGING-1-1-15 IMAGING COMMAND SETIMAGINGSETTINGS ADDITIONAL FEATURES (updated with set of new settings)
  - o IMAGING-1-1-16 GET IMAGING SETTINGS AND GET OPTIONS CONSISTENCY (updated with check consistency of new option)
  - o The following test cases use options validation procedure that was updated in the scope of IMAGING-1-1-3. Therefore they also were updated:
    - ▪ IMAGING-1-1-8 IMAGING COMMAND SETIMAGINGSETTINGS – INVALID SETTINGS
    - ▪ IMAGING-1-1-14-v19.12 IMAGING COMMAND SETIMAGINGSETTINGS
- #1946 Issue in MEDIA2_RTSS-1-1-15 test in DTT v19.06

- o Fault message in case 401 fault from a device in HTTP tunnel was improved.
- #1957 PTZ test causes Media2-3-2-3 to fail in DTT 19.08_rev5295
  - o PTZ-5-1-4 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE:
    - ▪ rollback procedure added
  - o MEDIA2-3-2-3 GET AUDIO ENCODER CONFIGURATION OPTIONS

Sending of GetVECOptions with profile token in request were changed from sending for all profiles to sending for profiles that contain Audio Source Config. Because AEC options for profile without ASC does not make sense

Version: ONVIF Test Tool v.19.10 rev.5417 2nd Prototype

Date: 04 Oct 2019

Version type: 2nd Prototype of Device Test Tool of Kirin project.

Description: The purpose of this delivery is to provide the 2nd Prototype version of the ONVIF Device Test Tool as part of Kirin project, so interested parties could verify that issues are resolved.

Kirin 2nd Prototype
The following tickets/tasks are addressed:

- #1663 Problem with configuration of Media1 profile with compatible VSC and PTZ configuration (Annex A.1 in PTZ)
  - o MEDIA-1-1-5-v19.12 DYNAMIC MEDIA PROFILE CONFIGURATION (updated with steps to try to find PTZ configuration compatible with video source configuration if GetCompatibleConfigurations is not supported)
- #1743 Update ONVIF End User Agreement in DTT
  - o EULA text updated in the DTT:
    - ▪ in installation
    - ▪ in About
- #1876 [PlugFest] DTT does not have xml schema validation in feature definition for some services
  - o Schema validation for Recording control service was added into feature definition procedure
- #1890 [PlugFest] Invalid test logic for DEVICEIO-1-2-3 and DEVICEIO-1-2-4
  - o DEVICEIO-1-2-3 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE) (updated)
  - o DEVICEIO-1-2-4 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE) (updated)
- #1922 PTZ: some test cases fail when no ptz node is selected on Management tab
  - o Feature definition process was improved to solve the problem:
    - ▪ If PTZ node field is empty, the DTT fills it with 1st node token from GetNodesResponse.
    - ▪ If PTZ node field is not empty, the DTT does not change it.
- #1935 MEDIA2_RTSS-1-1-19 fails in DTT v19.06

- o The check of HTTP headers in websocket handshake was fixed.
- #1939 Add additional faild step to feature definition process to list all UNDEFINED features
    - o In the feature definition log new step was added.
- #1947 Features: Imaging events are not markes as 'undefiled' when no correct GetEventPropertiesResponse is received
    - o The bug was fixed.
- #1675 Full management support (CRUD) for doors
    - o The following test cases were added in diagnostic mode:
        - 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
    - o The following test were updated with new capabilities:
        - DOORCONTROL-1-1-2 GET SERVICES AND GET DOOR CONTROL SERVICE CAPABILITIES CONSISTENCY
    - o The following new features were added:
        - Door Control Service/Door Management
        - Door Control Service/Door Entity
- #1834 Profile M: DTT: analytics modules configuration
    - o The following features were added:
        - Analytics Modules
        - Analytics Module Options
    - o The following test cases were added in diagnostic mode:
        - ANALYTICS-4-1-1 Get Supported Analytics Modules
        - ANALYTICS-4-1-2 Get Analytics Module Options
        - ANALYTICS-4-1-3 Get Analytics Modules
- #1834 Profile M: DTT: analytics modules configuration
    - o The following features were added:
        - Analytics Modules
        - Analytics Module Options
    - o The following test cases were added in diagnostic mode:
        - ANALYTICS-4-1-1 Get Supported Analytics Modules
        - ANALYTICS-4-1-2 Get Analytics Module Options

- ANALYTICS-4-1-3 Get Analytics Modules

Version: ONVIF Test Tool v.19.08 rev.5295 1st Prototype

Date: 30 Aug 2019

Version type: 1st Prototype of Device Test Tool of Kirin project.

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Kirin project, so interested parties could verify that issues are resolved.

Kirin 1st Prototype

The following tickets/tasks are addressed:

- #1725 Allow user-specified multicast addresses
  - The following was done in the scope of the ticket:
    - New elements on UI added (Management tab)
    - Settings file updated
    - All multicast streaming test cases are updated with possibility of new functionality usage. List of such tests:
      - RTSS-1-1-30
      - RTSS-1-1-52
      - RTSS-1-2-*
      - RTSS-2-2-*
      - RTSS-3-2-*
      - RTSS-5-1-*
      - MEDIA2_RTSS-1-2-*
      - MEDIA2_RTSS-2-2-*
      - MEDIA2_RTSS-4-2-*
      - MEDIA2_RTSS-5-2-*
  - Bug with multicast addresses range in some tests. DTT selects reserved multicast addresses. List of tests:
    - RTSS-1-2-19-v19.06 VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
    - RTSS-1-2-20-v19.06 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
    - RTSS-2-2-9-v18.12 AUDIO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
    - RTSS-2-2-10-v18.12 AUDIO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
  - Help was updated
- #1885 Move test cases to conformance mode
  - The following test cases were moved to conformance:
    - MEDIA-3-4-8 GET AUDIO OUTPUT CONFIGURATION OPTIONS
    - MEDIA-3-4-9 AUDIO OUTPUT CONFIGURATION
    - MEDIA-3-4-10 AUDIO DECODER CONFIGURATION

- MEDIA-3-4-11 AUDIO OUTPUT CONFIGURATIONS AND AUDIO OUTPUT CONFIGURATION OPTIONS CONSISTENCY
- MEDIA-3-4-12 PROFILES AND AUDIO OUTPUT CONFIGURATION OPTIONS CONSISTENCY
- MEDIA-3-4-13 PROFILES AND AUDIO OUTPUT CONFIGURATIONS CONSISTENCY
- MEDIA-3-4-14 AUDIO OUTPUT CONFIGURATIONS AND AUDIO OUTPUT CONFIGURATION CONSISTENCY
- MEDIA-3-4-15 AUDIO OUTPUT CONFIGURATIONS AND AUDIO OUTPUTS CONSISTENCY
- MEDIA-3-4-16 PROFILES AND AUDIO DECODER CONFIGURATIONS CONSISTENCY
- MEDIA-3-4-17 AUDIO DECODER CONFIGURATIONS AND AUDIO DECODER CONFIGURATION CONSISTENCY
- 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-1-2-16 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-1-2-22 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6)
- 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-2-2-12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)
- RTSS-2-2-14 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)
- RTSS-2-2-16 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)
- 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-3-2-17 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)
- RTSS-3-2-19 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)
- RTSS-3-2-21 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)
- 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)
- 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)
- PTZ-5-1-4 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE
- SEARCH-2-1-12 GET RECORDING SEARCH RESULTS AFTER END OF SEARCH (ENDSEARCH COMMAND WAS INVOKED)
- SEARCH-2-1-19 RECORDINGS SEARCH - KEEP ALIVE

- SEARCH-3-1-15 EVENTS SEARCH - KEEP ALIVE
- SEARCH-5-1-7 METADATA SEARCH - KEEP ALIVE
- SEARCH-6-1-14 PTZ SEARCH - KEEP ALIVE
- REPLAY-3-2-1 PLAYBACK AUDIO STREAMING – MEDIA CONTROL
- 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-3-3-1 PLAYBACK METADATA STREAMING – MEDIA CONTROL
- 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
- RECORDING-3-1-11 RECORDING JOB CONFIGURATION - DIFFERENT PRIORITIES (ON MEDIA PROFILE)
- RECORDING-3-1-12 RECORDING JOB CONFIGURATION - DIFFERENT PRIORITIES (ON RECEIVER)
- ACCESSCONTROL-9-1-1 ACCESS CONTROL – ACCESS DENIED TO ANONYMOUS EVENT
- ACCESSCONTROL-9-1-4 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND)
- ADVANCED_SECURITY-3-3-1 TLS client authentication – self-signed TLS server certificate with on-device RSA key pair
- ADVANCED_SECURITY-3-3-2 Verify CRL Processing with On-Device RSA Key Pair
- ADVANCED_SECURITY-3-3-3 Replace certification path validation policy assignment
- ADVANCED_SECURITY-6-1-1 Upload Passphrase Verification
- ADVANCED_SECURITY-6-1-2 Delete Passphrase Verification
- ADVANCED_SECURITY-8-1-1 Upload CRL
- ADVANCED_SECURITY-8-1-2 Delete CRL
- ADVANCED_SECURITY-8-1-3 Get CRL
- ADVANCED_SECURITY-8-1-4 Create certification path validation policy
- ADVANCED_SECURITY-8-1-5 Get Certification Path Validation Policy
- ADVANCED_SECURITY-8-1-6 Delete Certification Path Validation Policy
- ADVANCED_SECURITY-9-1-1 TLS Version Management
- ADVANCED_SECURITY-9-1-2 Disable TLS Version
- ACCESS_RULES-3-1-15 SET NEW ACCESS PROFILE
- ACCESS_RULES-3-1-16 SET ACCESS PROFILE
- CREDENTIAL-3-1-16 SET NEW CREDENTIAL (ENABLED)
- CREDENTIAL-3-1-17 SET NEW CREDENTIAL (DISABLED)
- CREDENTIAL-3-1-18 SET CREDENTIAL

- 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
- THERMAL-1-1-1 GET SERVICES AND GET THERMAL SERVICE CAPABILITIES
- THERMAL-2-1-1 THERMAL GET CONFIGURAION AND GET CONFIGURATION OPTIONS
- THERMAL-2-1-2 THERMAL MODIFY CONFIGURATION
- DISCOVERY-1-1-6 SEARCH USING UNICAST PROBE MESSAGE
- DEVICE-1-1-31 GET SERVICES - XADDR
- DEVICE-2-1-36 GET DYNAMIC DNS CONFIGURATION
- DEVICE-2-1-37 SET DYNAMIC DNS CONFIGURATION
- DEVICE-3-1-10 SYSTEM COMMAND GETSYSTEMLOG
- DEVICE-5-1-1 IO COMMAND GETRELAYOUTPUTS
- #1896 DTT : IMAGING-1-1-8-v17.12 IMAGING COMMAND SETIMAGINGSETTINGS – INVALID SETTINGS fail
  - The following test case was updated in the scope of the ticket:
    - IMAGING-1-1-8 IMAGING COMMAND SETIMAGINGSETTINGS – INVALID SETTINGS
      - DTT sets invalid Focus settings if it is possible
      - DTT skips step with invalid set if impossible to generate invalid values
      - DTT does not set BacklightCompensation if it is not supported
- #1642 Imaging - Check Exposure.Iris for 0 db and range validity
  - The following test case was updated in the scope of the ticket:
    - IMAGING-1-1-3 IMAGING COMMAND GETOPTIONS updated with warning in case Exposure.MinIris or Exposure.MaxIris < 0
- #1897 Internal error during several PTZ test cases
  - The following was updated in the scope of the ticket:
    - PTZ-7-1-3 GENERIC PAN/TILT POSITION SPACE
    - 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 SPACE
    - 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
- #1766 [PlugFest][PTZ-*] Internal error in the case if it is not possible to create or find profile with specified PTZ Node
  - The following was updated in the scope of the ticket:
    - 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-6-1-1 SEND AUXILIARY COMMAND

- #1892 Internal error during feature definition process
  - The bug is fixed.
- #1630 Malformed HTTP request causing "400 Bad Request" response in RTSS tests
  - The issue was fixed
- #1886 Unhandled Exception with 18.12 rev 4782 in dtt_command_line.exe
  - The issue was fixed
- #1917 [SEARH-3-1-11] Wrong check for virtual events for some sequences
  - The issue was fixed
- #1888 Media 1: Audio Source addition without checking compatability
  - The following was updated in the scope of the ticket:
    - Removed test case:
      - RTSS-5-1-8 START AND STOP MULTICAST STREAMING – G.711 (IPv4)
    - Test cases updated to use GetCompatibleAudioSourceConfigurations instead of GetAudioSourceConfigurations:
      - MEDIA-3-1-7 GET AUDIO SOURCE CONFIGURATION OPTIONS
      - 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-2-1-46 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-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)
- Test cases updated to configure media profile with any video encoder instead of JPEG only and to use GetCompatibleAudioSourceConfigurations instead of GetAudioSourceConfigurations:
    - 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-2-1-37 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-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-5-1-9 START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)
- #1783 IPv6 streaming: DTT does not check IP version returned in SDP
  - IP version SDP check was added the following test cases:
    - RTSS-1-*

- RTSS-2-*
        - RTSS-3-*
        - RTSS-4-*
        - RTSS-6-*
        - MEDIA2_RTSS-*
        - REPLAY-3-*
- #1697 MEDIA2_RTSS-3-1-2-v18.06 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4) test case inconsistency with test spec
    - Done as a part of #1885.
- #1805 RTSS-3-2-22-v17.12 VIDEO AND AUDIO ENCODER CONFIGURATION failed
    - Done as a part of #1888.
- (partly) #1876 [PlugFest] DTT does not have xml schema validation in feature definition for some services
    - Feature Discovery procedure was updated (validation against schema for were added for all services except Recording Control)
- #1900 Convert ONVIF RTSS Test Specification to doc book
    - Possibility to open Test Specification in DTT were added for RTSS-* test cases.
- #1784 [PlugFest] Issues with RTSP authentication
    - Bug was fixed.

Version: ONVIF Test Tool v.19.06 rev.5170 Release

Date: 24 June 2019

Version type: Release of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the Release of ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler Release
The following tickets/tasks are addressed:

- No any change except version update

ONVIF Test Tool v.19.06RC2 rev.5149 2nd Release Candidate

Date: 13 June 2019

Version type: 2nd Release candidate of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the 2nd Release candidate of ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler Release Candidate
The following tickets/tasks are addressed:

- #1623 Cloning a profile in MEDIA-1-1-5-v14.12 DYNAMIC MEDIA PROFILE CONFIGURATION
    - Bug with metadata is fixed: if Metadata list is empty, step is passed instead of failed
- #1869 Clarification needed on what mime types to use for AAC
    - AAC audio streaming using media2 test cases are updated to accept the following case as passed: MP4A-LATM in audio configuration and MPEG4-GENERIC in SDP

ONVIF Test Tool v.19.05 rev.5109 Release Candidate

Date: 16 May 2019

Version type: Release candidate of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the Release candidate of ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler Release Candidate

The following tickets/tasks are addressed:

- #1786 broken rtp header extension check
- #1825 RTSS-1-1-53-v18.12 MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)
- #1725 Allow user-specified multicast addresses (PARTLY)
    - Implemented in separate branch:
        - New elements on UI added (Management tab)
        - Setting file updated
        - All multicast streaming test cases are updated with possibility of new functionality usage. List of such tests:
        - RTSS-1-1-30
        - RTSS-1-1-52
        - RTSS-1-2-*
        - RTSS-2-2-*
        - RTSS-3-2-*
        - RTSS-5-1-*
        - MEDIA2_RTSS-1-2-*
        - MEDIA2_RTSS-2-2-*
        - MEDIA2_RTSS-4-2-*
        - MEDIA2_RTSS-5-2-*
- #1739 possibility to extract user-specified data from DoC PDF
- #1747 JPEG streams without RTP extension header not decoded correctly
- #1809 MEDIA2_RTSS-3-1-4 - No sound from DUT but test case is passed
- #1822 ODTT v18.12 - tests using HTTP GET do not respond to digest authentication challenge
- #1868 The DoC should not be saved from command line unless whole conformance suite has been run
- #1760 RTSS-1-1-46-v18.06 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION - Resolution not matching
- #1764 What payload type value shall be sent in SDP for AAC audio?
    - Features:
        - Media2 Service /Audio/AAC
        - Media2 Service /Audio outputs/AAC
    - MEDIA2-3-2-2 AAC AUDIO ENCODER CONFIGURATION

- 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-2-1-34 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-2-1-43 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-2-1-52 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-2-2-15 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv4)
- RTSS-2-2-16 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)
- 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-3-1-25 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-3-2-20 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)
- RTSS-3-2-21 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)
- 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-6-1-12 BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
- 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-2-1-14 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/HTTPS/TCP)
- MEDIA2_RTSS-2-1-16 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
- MEDIA2_RTSS-2-1-18 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/WebSockets)
- MEDIA2_RTSS-2-1-20 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/WebSockets, 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-3-1-8 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
- 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-3-1-14 BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets)
- MEDIA2_RTSS-3-1-16 BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets, IPv6)
- MEDIA2_RTSS-3-1-18 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
- MEDIA2_RTSS-3-1-20 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/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-3-1-26 BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
- MEDIA2_RTSS-3-1-28 BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/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-5-2-3 MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast/UDP)
- MEDIA2_RTSS-5-2-4 MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast/UDP, IPv6)
- #1799 [CR 18.12 2.3] Tests for a new extension provides a function to enable or disable particular version of TLS to balance security considerations with security aspects in installations
  - ADVANCED_SECURITY-9-1-1 TLS Version Management (added)
  - ADVANCED_SECURITY-9-1-2 Disable TLS Version (added)
  - Enabled TLS Versions feature was added
- #1800 RTSS-1-1-53-v18.12 MEDIA STREAMING JPEG (VALIDATING RTP HEADER EXTENSION) fails in v18.12
- #1813 Internal error in MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
  - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ (updated)
- #1824 ODTT V18.12: "Internal error" in test EVENT-1-1-2
- #1826 Proposal: to remove MEDIA-4-1-4 PTZ CONFIGURATION test because MEDIA-1-1-5 now has more complex check
  - MEDIA-4-1-4 PTZ CONFIGURATION (removed)
- #1855 Test case RTSS-3-2-19 sets ipv4 address instead of ipv6
- #1757 ONVIF conformance tool crashes at the end of a test run
- #1627 Uncovered cases, RecordingSearch service: StartStateEvent unchecked, virtual events breaking tests
  - SEARCH-3-1-11 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS) (additional checks were added)
  - SEARCH-3-1-13 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS EQUAL TO RECORDING ENDPOINTS) (additional checks were added)
  - SEARCH-3-1-14 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS) (additional checks were added)

Version: ONVIF Test Tool v.19.04 rev.4996 3rd Prototype

Date: 08 April 2019

Version type: 3rd Prototype of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the 3rd Prototype version of the ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler 3rd Prototype

The following tickets/tasks are addressed:

- #1780 Undefined discovery features in Feature Discovery with PACS device
  - Message Timeout for the Probe was updated to use configurable Message timeout from Management tab instead of 5 seconds
- #1803 RTSS-1-2-12 MEDIA STREAMING test failure (no multicast address set)
  - The following test case was updated:
    - RTSS-1-1-30 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)
    - RTSS-1-1-52 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES) (ALL VIDEO SOURCE CONFIGURATIONS)
    - 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-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-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)
- #1623 Cloning a profile in MEDIA-1-1-5-v14.12 DYNAMIC MEDIA PROFILE CONFIGURATION
  - The following test case was updated:
    - MEDIA-1-1-5 DYNAMIC MEDIA PROFILE CONFIGURATION (updated)
- #1815 Adding TimeBetweenRequest timeout to Event service requests
  - The delay with value min(5 sec, Time Between Request) after CreatePullPointSubscription was added for tests:
    - SCHEDULE-3-1-6 MODIFY SCHEDULE
    - SCHEDULE-3-1-7 DELETE SCHEDULE

- #1818 RTSS-1-1-35-v18.12 MEDIA STREAMING - JPEG (RTP-Unicast/RTSP/HTTP/TCP) - Setting FrameRate exceed the range
  - The bug was fixed.

Version: ONVIF Test Tool v.19.03 rev.4952 2nd Prototype

Date: 22 March 2019

Version type: 2nd Prototype of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the 2nd Prototype version of the ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler 2nd Prototype
The following tickets/tasks are addressed:

- #1810 remove Capabilities\System\SupportedVersions from the feature list
- #1626 Uncovered cases, RecordingSearch service: KeepAliveTime unchecked
- The following test cases are added in the DTT in diagnostic mode:
  - RECORDINGS SEARCH - KEEP ALIVE
  - RECORDINGS SEARCH EXPIRATION
  - EVENTS SEARCH - KEEP ALIVE
  - EVENTS SEARCH EXPIRATION
  - METADATA SEARCH - KEEP ALIVE
  - METADATA SEARCH EXPIRATION
  - PTZ SEARCH - KEEP ALIVE
  - PTZ SEARCH EXPIRATION
- #1761 [PlugFest][ACCESSCONTROL-5-1-2] The test fails because of timeout (in case of small Opration Delay), but it caused by test logic, not by Device performance
  - The following test case was updated:
    - ACCESSCONTROL-5-1-2 ACCESS CONTROL – ACCESS POINT ENABLED EVENT STATE CHANGE
- #1784 [PlugFest] Issues with RTSP authentication
- #1802 ODTT RTSP Interleaved issue
  - The following test cases were updated:
    - START RECORDING ON RECEIVER
    - STOP RECORDING ON RECEIVER - PUT JOB IN IDLE STATE
    - STOP RECORDING ON RECEIVER - NEVER CONNECTED MODE
    - STOP RECORDING ON RECEIVER - DELETE JOB
    - MODIFY MEDIA ATTRIBUTE WHILE RECORDING - RECEIVER
    - CONFIGURE RECEIVER - (RTP-Unicast/UDP)
    - CONFIGURE RECEIVER – (RTP/RTSP/TCP)
- #1807 diagnostic mode: DEVICE-3-1-6-v16.01 SYSTEM COMMAND FACTORY DEFAULT HARD removes credentials required for subsequent tests
  - Order of DEVICE-3-1-6 was changed to the last

- #1808 Incorrect restore of audio multicast settings causes RTSS-5-1-9 to fail with duplicate errors
  - Restoring of AEC was fixed in the following test cases:
    - 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)
- The following ticket is implemented in separate branch:
  - #1725 Allow user-specified multicast addresses (partly, prototype)
    - Restriction of implementation in the prototype:
      - Only the following test cases are updated:
        - RTSS-1-1-30-v19.06 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)
        - RTSS-1-2-12-v19.06 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
    - Range of Multicast Address is added only in settings (not on UI).
    - The DTT does not check that values are correct.
    - The DTT does not provide warning in case not enough of addresses for test. It uses the next address after IPv4Max in this case.
    - It is not possible to ignore MulticastAddressRange, the DTT always uses it in updated tests
    - New settings will be replaced into TestParameters element in the final version.

Open Known Issues

- Feature Output log contains debug log for #1780 Undefined discovery features in Feature Discovery with PACS device

Version: ONVIF Test Tool v.19.02 rev.4885 1st Prototype

Date: 04 February 2019

Version type: 1st Prototype of Device Test Tool of Jupiler project.

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Jupiler project, so interested parties could verify that issues are resolved.

Jupiler 1st Prototype
The following tickets/tasks are addressed:

- #1639 Handle impact of changes to documentation delivered in Charmander
  - The document were updated for 18.12

- #1679 Added default duration for temporarily suspended credentials
  - CREDENTIAL-1-1-2 GET SERVICES AND GET CREDENTIAL SERVICE CAPABILITIES CONSISTENCY was updated according to Test Specification
  - Proxy was updated in DTT
  - XSD for Credential Service XML validation was updated in DTT
- #1759 Media2 - RTSS 5-x-x Audio Streaming testcases fail with Internal error occurred: Specified cast is not valid.
  - Issue was fixed.
- #1762 MEDIA2-4-1-2-v18.12SR1 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ test case failure observed with v18.06 SR1 device test tool
  - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
- #1767 [PlugFest] For some devices the responses from Device shows with wrong formatting in Step Details\Response field
  - The issue was fixed.
- #1776 UTCDateTime is included when setting DateTimeType to NTP
  - DEVICE-3-1-4 SYSTEM COMMAND SETSYSTEMDATEANDTIME TEST FOR INVALID TIMEZONE was fixed.
  - DEVICE-3-1-5 SYSTEM COMMAND SETSYSTEMDATEANDTIME FOR INVALID DATE was fixed.
  - DEVICE-3-1-11 SYSTEM COMMAND SETSYSTEMDATEANDTIME was fixed.
  - DEVICE-3-1-12 SYSTEM COMMAND SETSYSTEMDATEANDTIME USING NTP was fixed.
- #1778 TimeBetweenRequest not applied in PACS tests
  - Timeout between requests was added for commands of the following services:
    - Access Control
    - Door Control
    - Access Rules
    - Schedule
- #1788 [PlugFest] DTT waits incorrect payload type in SDP in tests for Guaranteed Number
  - The issue was fixed for the following test cases:
    - 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-1-1-49 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-1-2-12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
- ▪ RTSS-1-2-23 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
- #1796 [CR 2417] Update xsd files in DTT to validate service Capabilities in GetServicesResponse
  - o XSD for Credential Service XML validation was updated in DTT.
  - o XSD for Schedule Service XML validation was updated in DTT.
- #1773 [PlugFest] To change Media1 streaming tests to use bigger fps value in profile configured for streaming
  - o Resolution and fps selection logic were updated for the following test cases:
    - ▪ 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-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-5-1-7 START AND STOP MULTICAST STREAMING – JPEG (IPv4)
- RTSS-5-1-9 START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)
- #1797 PTZ 4-1-4/4-1-5 test case fails in 18.06 SR1 & 18.12
  - The issue was fixed for the following test cases:
    - PTZ-4-1-4 SET AND GET PRESET
    - PTZ-4-1-5 GOTO PRESET
    - PTZ-5-1-1 HOME POSITION OPERATIONS (CONFIGURABLE)
- #1782 [RTSS-1-1-27][RTSS-1-1-28] DTT hangs on video stream window on some PCs
  - Issue was fixed.

Open Known Issues
- #1773 [PlugFest] To change Media1 streaming tests to use bigger fps value in profile configured for streaming
  - Test specifications were not updated

Version: ONVIF Test Tool v.18.12 rev.4782 Release

Date: 27 December 2018

Version type: Release of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the Release of ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood v.18.12 Release

The following tickets/tasks are addressed:

- #1763 [PlugFest][RTSS 1-1-27] DTT sets wrong VEC settings
    - SetVideoEncoderConfiguration request was updated to use resolution values from Option in the following test cases:
        - 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-1-1-49   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-1-2-12   MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
        - RTSS-1-2-23   MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
- #1639 Handle impact of changes to documentation delivered in Charmander
    - Help was updated
- #1697 MEDIA2_RTSS-3-1-2-v18.06 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4) test case inconsistency with test spec
    - The following test cases were added:
        - BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
        - BACKCHANNEL STREAMING BY POST – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
        - BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
        - BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)

- BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
- BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
- BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
- BACKCHANNEL STREAMING BY POST – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
- BACKCHANNEL STREAMING BY POST – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
  - The following test cases were moved to diagnostic mode:
    - MEDIA2_RTSS-3-1-2 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
    - MEDIA2_RTSS-3-1-5 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
    - MEDIA2_RTSS-3-1-8 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
    - MEDIA2_RTSS-3-1-11 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, 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)
- #1774 Remove requirement in DTT (ref Internal ticket #2434)
  - Analytics schema was updated
  - Check of @Type in GetRuleOptionsResponse was changed in the following test cases:
    - GET MOTION REGION DETECTOR RULE OPTIONS
    - CREATE MOTION REGION DETECTOR RULE
    - MODIFY MOTION REGION DETECTOR RULE
    - MOTION REGION DETECTOR EVENT
- #1777 possibility to specify errata references when running Conformance with CLI
  - New parameter (-e) for command line mode was added
- #1636 QUICK_INSTALL-4-1-1-v16.07 Firmware Upload - timeout behavior regression
  - Timeout for waiting for response to HTTP POST was changed in the following tests:
    - QUICK_INSTALL-4-1-1 Firmware Upload
    - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #1664 [PlugFest] Timeout between requests does not work for Media2 test cases
  - Timeout between requests functionality was added for commands of Media2 Service
- #1693 MEDIA2_RTSS-1-1-15-v18.06 fails with DDT 18.06 and TLS version 1.2
  - DTT Help was updated:
    - Troubleshooting: new 'Test Case MEDIA2_RTSS-1-1-15 Fails (Windows 7)' section added
- #1699 Wrong time in SCHEDULE-6-1-2-v15.06 CHANGE SCHEDULE STATE - CHANGE STANDARD
  - DTT Help was updated: new item was added into Troubleshooting section
- #1735 OS requirements for ONVIF Test Tools: Restrict to essential OS versions
  - DTT Help was updated (section 'System Requirements')
- #1737 update the documentation with recommendations on network configurations for multicast

- o DTT Help was updated: Test Environment/Switching Hub, Note added
- #1749 cannot see the feature discovery log after "Refresh features"
- #1764 What payload type value shall be sent in SDP for AAC audio?
  - o Check of payload type in SDP was removed from the test cases with AAC audio:
    - 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-2-1-34 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-2-1-43 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-2-1-52 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-2-2-15 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv4)
    - RTSS-2-2-16 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)
    - 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-3-1-25 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-3-2-20 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)
    - RTSS-3-2-21 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)
    - 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-6-1-12 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP BY POST/TCP, IPv4)
    - 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-2-1-14 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/HTTPS/TCP)
    - MEDIA2_RTSS-2-1-16 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
    - MEDIA2_RTSS-2-1-18 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/WebSockets)
    - MEDIA2_RTSS-2-1-20 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/WebSockets, 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-3-1-7 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-3-1-14 BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets)
- MEDIA2_RTSS-3-1-16 BACKCHANNEL – AAC (RTP-Unicast/RTSP/WebSockets, IPv6)
- MEDIA2_RTSS-3-1-18 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
- MEDIA2_RTSS-3-1-20 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
- MEDIA2_RTSS-3-1-23 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP BY POST/TCP, IPv4)
- MEDIA2_RTSS-3-1-24 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP BY POST/TCP, IPv6)
- MEDIA2_RTSS-3-1-26 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS BY POST/TCP, IPv4)
- MEDIA2_RTSS-3-1-28 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS BY POST/TCP, IPv6)

- #1694 socket error in multicast tests when running multiple instances
- DTT Help was updated:
  - Troubleshooting section (updated)
  - Multi-Instance Run section (added)

Open Known Issues

- #1599 support NoPrivateKeySharing parameter
  - Open issue: to pass ADVANCED_SECURITY-3-1-4 at least three RSA key pairs required, but according to Advanced Security Specification two is minimum requirement.

Version: ONVIF Test Tool v.18.11 rev.4684 Release Candidate

Date: 16 November 2018

Version type: Release candidate of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the Release candidate of ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood v.18.11 Release Candidate

The following tickets/tasks are addressed:

- #1341 Profile S Coverage: No testcases for DynamicDNS feature
  - DEVICE-2-1-37 SET DYNAMIC DNS CONFIGURATION (updated)
- #1677 Deprecated use of the event AccessControl/Denied/CredentialNotFound/Card

- o ACCESSCONTROL-9-1-4 ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND) (added)
  - o Access Control / tns1:AccessControl/Denied/CredentialNotFound feature (added)
- #1678 Added extended grant time for credentials
  - o Credential proxy updated in the DTT according to change of ExtendedGrantTime field in credential.wsdl (change number: 2389)
- #1750 home position configurable/fixed undefined
  - o Fix of bug with profile configuration
- #1751 PTZ_3-1-*: Object reference not set to an instance of an object
  - o Fix of bug with profile configuration
- #1752 PTZ_4-1-4: PTZ Configuration does not contain required space
  - o Fix of bug with profile configuration
- #1753 PTZ 6-1-1: Node does not contain auxiliary commands
  - o Fix of bug with profile configuration
- #1754 PTZ-7-*-4: Genereic space PTZ tests fail with SpaceNotSupported
  - o Fix of bug with profile configuration
- #1756 filename paths in action files should not require absolute paths
- #1758 ACCESSCONTROL-9-1-4-v18.12: isProperty attribute should be checked for false value
- #1755 MEDIA2_RTSS-1-1-15-v18.06 test case failure on RTSP Teardown timeout
- #1653 Rename Advanced Security to Security Configuration and handle the impact of changes needed
  - o Advanced Security replaced with Security Configuration

Open Known Issues

- #1599 support NoPrivateKeySharing parameter
  - o Open issue: to pass ADVANCED_SECURITY-3-1-4 at least three RSA key pairs required, but according to Advanced Security Specification two is minimum requirement.

Version: ONVIF Test Tool v.18.10 rev.4634 3rd Prototype

Date: 26 October 2018

Version type: 3rd Prototype of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the 3rd Prototype of ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood v.18.10 3rd Prototype
The following tickets/tasks are addressed:

- #1545 DTTv17.12RCRev2981: Multiple timeout versions for continuous move in PTZ tests
  - o The following test cases were updated:
    - ▪ PTZ-3-1-4 PTZ CONTINUOUS MOVE

- 60s (timeout for ContinuousMove request) is not hard-coded value here. The DTT selects this timeout based on options. We cannot change it to Operation Delay, so the test was not updated.
  - PTZ-3-1-5 PTZ CONTINUOUS MOVE & STOP
    - Operation delay is used to get camera to move, the Timeout is skipped in ContinuousMove request. No any change is required.
  - PTZ-5-1-4 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE and MEDIA PROFILE MEDIA2_PTZ-3-1-4-v17.12 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA2 PROFILE
    - Timeout for ContinuousMove request is not hard-coded value here. The DTT selects this timeout based on options. After ContinuousMove request, the DTT waits for timeout from request + Operation Delay timeout to get camera to complete move. It is the same logic as in other tests, but two steps with timeouts are combined in one step. I am not sure that we need to change this.
  - PTZ-5-1-1 HOME POSITION OPERATIONS (CONFIGURABLE)
    - GotoHomePosition - hardcoded 30s timeout was replaced with Operation Delay
  - PTZ-7-3-3 GENERIC PAN/TILT VELOCITY SPACE
    - Hardcoded 10s timeout after ContinuousMove was replaced with Operation Delay
  - PTZ-7-3-4-v15.06 GENERIC ZOOM VELOCITY SPACE
    - Hardcoded 10s timeout after ContinuousMove was replaced with Operation Delay
  - MEDIA2_PTZ-4-2-1-v17.06 CONTINUOUS PAN/TILT VELOCITY SPACE
    - Hardcoded 10s timeout after ContinuousMove was replaced with Operation Delay
  - MEDIA2_PTZ-4-2-2-v17.01 GENERIC ZOOM VELOCITY SPACE
    - Hardcoded 10s timeout after ContinuousMove was replaced with Operation Delay
- #1566 GetEventPropertiesResponse: DTT assumes TopicSet.documentation as topic
  - The bug was fixed:
    - TopicSet/documentation is not listed in the topic list on the Management tab/Events.
- #1599 support NoPrivateKeySharing parameter
  - No Private Key Sharing feature was added
  - The following test cases were updated:
    - 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
- #1622 Playback, Rate-Control timeout issues
  - The following test cases were updated:
    - 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
- #1638[EVO] Merge improvements delivered in Charmander to main branch and #1645[EVO] Run multiple instances of DTT on a single machine
  - The following functionality was merged to main branch:
    - Multiple DTT instances
- #1651 improve audio files used in backchannel streaming tests
  - Audio sample files were replaced
- #1659 [PlugFest] DTT incorrectly checks if port is busy or not in Basic Notification tests in some cases
  - The bug was fixed
- #1663 Problem with configuration of Media1 profile with compatible VSC and PTZ configuration (Annex A.1 in PTZ)
  - PTZ Feature discovery was updated
  - The following test cases were updated
    - All PTZ using Media test cases (except PTZ-7-1-3)
- #1665 MotionRegionConfiguration Tests need to refer to maxInstances instead of maxRegions
  - The following test case was updated:
    - ANALYTICS-1-1-1-v18.12 GET SUPPORTED RULES (MOTION REGION DETECTOR)
- #1670 Support for client-supplied tokens in Schedule Specification
  - Client Supplied Token feature was added for Schedule service
  - The following test cases were added:
    - 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
- #1671 Support for client-supplied tokens in Access Rules Specification
  - Client Supplied Token feature was added for Access Rules Service
  - The following test cases were added:
    - ACCESS_RULES-3-1-15 SET NEW ACCESS PROFILE
    - ACCESS_RULES-3-1-16 SET ACCESS PROFILE
- #1672 Support for client-supplied tokens in Credential Specification
  - Client Supplied Token feature was added for Credential Service
  - The following test cases were added:
    - CREDENTIAL-3-1-16 SET NEW CREDENTIAL (ENABLED)

- ▪ CREDENTIAL-3-1-17 SET NEW CREDENTIAL (DISABLED)
- ▪ CREDENTIAL-3-1-18 SET CREDENTIAL
- #1683 [DTT Evolution] Similar IP Configuration and Discovery Test Cases in the DTT
  - ○ The following test cases were removed:
    - ▪ IPCONFIG-1-1-1 IPV4 STATIC IP
    - ▪ IPCONFIG-2-1-1 IPV6 STATIC IP
    - ▪ DISCOVERY-1-1-1 HELLO MESSAGE
- #1686 REPLAY-3-1-12 and REPLAY-3-4-11 tests fail occasionally
  - ○ The following test cases were updated:
    - ▪ 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
- #1695 Audio Backchannel AAC not properly decoded.
  - ○ The following test cases were updated:
    - ▪ All backchannel test cases
- #1700 Message content filter fail for some event topics
  - ○ Fault message were updated for the following test cases:
    - ▪ EVENT-2-1-29 BASIC NOTIFICATION INTERFACE - MESSAGE CONTENT FILTER
    - ▪ EVENT-3-1-38 REALTIME PULLPOINT SUBSCRIPTION – MESSAGE CONTENT FILTER
- #1714 Wrong expected fault in SCHEDULE-3-1-15
  - ○ The following test cases were updated:
    - ▪ SCHEDULE-3-1-15 MODIFY SCHEDULE - INVALID TIME RANGE INTERVAL
- #1729 [CR 2275] Update tets tool to support multiple audio decoders under certain AudioDecoderConfiguration in RTSP
  - ○ The following test cases were updated:
    - ▪ All audio backchannel test cases
- #1741 PTZ 4-1-4 test case causes internal error in DTT v18.06
  - ○ The following test case was updated:
    - ▪ PTZ-4-1-4 SET AND GET PRESET
- #1746 feature detection behaves wrong in case of monostable relay support
  - ○ The issue was fixed in feature discovery
- #1748 Remove old xml settings functionality from the DTT
  - ○ Deprecated functionality for load settings was removed

Open Known Issues

- #1599 support NoPrivateKeySharing parameter
  - ○ Open issue: to pass ADVANCED_SECURITY-3-1-4 at least three RSA key pairs required, but according to Advanced Security Specification two is minimum requirement.
- Backward compatibility for Profile A devices was broken see #1678 for details

Version: ONVIF Test Tool v.18.09 rev.4468 2nd Prototype

Date: 28 September 2018

Version type: 2nd Prototype of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the 2nd Prototype of ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood v.18.09 2nd Prototype

The following tickets/tasks are addressed:

- #1717 Strange RTSP request(reply?) leads to Test Failure in some AudioBackchannel test
- #1736 Enable Profile T conformance
- #1638 [EVO] Merge improvements delivered in Charmander to main branch (partly)
    - The following functionality were merged into Main branch:
        - Turn on IPv6 on device (see #1680)
        - Refactor Liv5555 (see #1644)
        - Update Debag tab:
            - Media2 tab (added)
            - Event tab (added)
            - Recording tab (added)
- #1641 MEDIA2-2-3-4-v18.06 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS test case clarification
    - MEDIA2-2-3-4 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS (updated)
- #1644 [EVO] Refactor Liv5555 related functionality in DTT
    - Merged into Main branch
- #1696 MEDIA2_RTSS-3-1-3-v18.06 BACKCHANNEL – G.711 (RTP/RTSP/TCP, IPv4) test case failure observed with v18.06 onvif device test tool
- #1711 DeviceIO service Relay Output feature
    - Device IO feature discovery procedure updated: Mode and Idle State added
    - DEVICEIO-1-1-4 and DEVICEIO-1-2-* updated to take into account Idle State supported by tested IO
- #1716 Feature discovery fails if one of several video sources has no Imaging support
    - Feature Discovery procedure updated
- #1724 MEDIA2_RTSS-4-1-11-v18.06 METADATA STREAMING (RTP-Unicast/RTSP/WebSockets, IPv6) test case failure observed randomly
- #1580 [QUICK_INSTALL-4-1-2][DEVICE-3-1-15] Tests are 'PASSED' when there is failed step
    - The bug was fixed in the following test cases:
        - DEVICE-3-1-15 START SYSTEM RESTORE – INVALID BACKUP FILE
        - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #1658 [PlugFest] Incorrect logic of some Multicast over IPv6 tests in Media1 service
    - Missed procedure for switching to IPv6 address added:
        - 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-2-2-12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)
        - RTSS-2-2-14 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)
        - RTSS-2-2-16 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)

- - - RTSS-3-2-17 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)
    - RTSS-3-2-19 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)
    - RTSS-3-2-21 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)
- #1680 [DTT Evolution] Planned change: to turn on IPv6 on device after feature discovery
  - Merged into Main branch
- #1698 [CR 2198] Update AnalyticsEngine.xsd schema in the DTT
- #1704 Operator action script failure does not tell you why it failed
- #1710 MEDIA2_RTSS-1-1-10 does not verify payload
  - Check of payload type was added into streaming test cases:
    - RTSS-*
    - MEDIA2_RTSS-*
- #1712 MEDIA2-2-3-2-v16.07 and MEDIA2-2-3-3-v16.07 PROFILES AND VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY VALIDATION failed with "Internal Error occured"
- #1730 Motion Region Detector test failed with internal error
- #1732 [ANALYTICS] DTT incorrectly checks boolean value in GetRules after Create\Modify rule
  - ANALYTICS-1-1-3-v18.12 CREATE MOTION REGION DETECTOR RULE (updated)
  - ANALYTICS-1-1-4-v18.12 MODIFY MOTION REGION DETECTOR RULE (updated)
- #1733 [CR 2312][ANALYTICS-1-1-4] To send optional Armed field in ModifyRules request
  - ANALYTICS-1-1-3-v18.12 CREATE MOTION REGION DETECTOR RULE (updated)
  - ANALYTICS-1-1-4-v18.12 MODIFY MOTION REGION DETECTOR RULE (updated)
- #1740 MEDIA2_RTSS-4-1-1-v18.06 fails when SDP contains additional application stream
  - Metadata streaming test cases updated
- #1631 Unexpected error occured while probing device

Version: ONVIF Test Tool v.18.06 Pre-SR1 rev. 4430

Date: 21 September 2018

Version type: Pre-Release of 18.06 SR1 version of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the 18.06 Pre-SR1 Delivery of ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood v.18.06 Pre-SR1
The following tickets/tasks are merged into 18.06v from main branch:

- #1736 Enable Profile T conformance
- #1689 Media2-PTZ-1-1-3 wrong Stop command send
- #1702 About Test Tool v18.06 MEDIA2-4-1-2-v17.12 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
- #1709 Clarification needed about how to use Polygon element
- #1711 DeviceIO service Relay Output feature
- #1732 [ANALYTICS] DTT incorrectly checks boolean value in GetRules after Create\Modify rule
- #1717 Strange RTSP request(reply) leads to Test Failure in some AudioBackchannel test
- #1696 MEDIA2_RTSS-3-1-3-v18.06 BACKCHANNEL – G.711 (RTP/RTSP/TCP, IPv4) test case failure observed with v18.06 onvif device test tool

- # 1641 MEDIA2-2-3-4-v18.06 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS test case clarification

Version: ONVIF Test Tool v.18.08 rev. 4284 1st Prototype

Date: 20 August 2018

Version type: 1st Prototype of Device Test Tool of Ironwood project.

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Ironwood project, so interested parties could verify that issues are resolved.

Ironwood 1st Prototype

The following tickets/tasks are addressed:

- #1689 Media2-PTZ-1-1-3 wrong Stop command send
  - Bug fixed in MEDIA2_PTZ-1-1-3 PTZ CONTINUOUS MOVE & STOP USING MEDIA2 PROFILE
- #1687 PTZ-5-1-1-v17.12 HOME POSITION OPERATIONS (CONFIGURABLE) fails with Internal error
  - The bug with internal error fixed in PTZ-5-1-1 HOME POSITION OPERATIONS (CONFIGURABLE)

  - The bugs with using of general ptz features instead of selected node's features were fixed in the following test cases:
    - PTZ-5-1-1 HOME POSITION OPERATIONS (CONFIGURABLE)
    - PTZ-5-1-2 HOME POSITION OPERATIONS (FIXED)
    - PTZ-3-1-4 PTZ CONTINUOUS MOVE
- #1702 About Test Tool v18.06 MEDIA2-4-1-2-v17.12 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
  - The bug with SetConfiguration request fixed:
    - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
- #1709 Clarification needed about how to use Polygon element
  - Sequence of coordinates in Create/Modify Rule requests was changed to represent rectangle in the following test cases:
    - 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
- #1691 [CR 2216] Add checks for PTZ and Analytics Configurations
  - MEDIA2-7-1-1 MEDIA2 SERVICE CAPABILITIES updated with adding of check for PTZ and Analytics Configurations
- #1690 [CR 2205] Add checks for XAddr in GetServices (partly)
  - HTTPS feature added
  - RTP/RTSP/HTTPS feature under Media 2 Service changed
  - DEVICE-1-1-31 GET SERVICES - XADDR test added

Version: ONVIF Test Tool v.18.06 rev. 4008 Release

Date: 22 June 2018

Version type: Release of Device Test Tool of Hobgoblin and Bulbasaur projects.

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Hobgoblin and Bulbasaur projects, so interested parties could verify that issues are resolved.

Bulbasaur Release

The following tickets/tasks are addressed:

- [internal 69234] [Evo B][CommandLine] Add help in case of wrong input
- [internal 69233] [Evo B][CommandLine] To change text provided by -h (help) in command line

Hobgoblin Release

The following tickets/tasks are addressed:

- Help update with new section: What's new
- #1681 Profile T must be in RC state in DTT v18.06
- #1614 EVENT-3-1-33 to 35 mandatory test cases fail for Profile S devices in DTT v17.12
- #1618 What message content filter dialect shall DTT use?
  - ONVIF Message Content Filter Dialect feature added
  - Profile T conformance updated to check if ONVIF Message Content Filter Dialect feature is supported
- #1611 REPLAY-3-1-5-v17.12 reports invalid timestamp order
- #1660 [F2F] Move some test cases to conformance
  - EVENT-2-1-28 BASIC NOTIFICATION INTERFACE – UNSUBSCRIBE
  - EVENT-2-1-29 BASIC NOTIFICATION INTERFACE - MESSAGE CONTENT FILTER
  - EVENT-3-1-36 REALTIME PULLPOINT SUBSCRIPTION – UNSUBSCRIBE
  - EVENT-3-1-37 REALTIME PULLPOINT SUBSCRIPTION – MAXIMUM SUPPORTED NUMBER OF NOTIFICATION PULL POINTS
  - EVENT-3-1-38 REALTIME PULLPOINT SUBSCRIPTION - MESSAGE CONTENT FILTER
  - DEVICE-1-1-30 GET SERVICES AND GET CAPABILITIES CONSISTENCY
  - REPLAY-4-1-1 REPLAY CONFIGURATION
- #1661 Issue in PTZ home position feature definition when device supports Media2
- #1664 [PlugFest] Timeout between requests does not work for Media2 test cases (partly)
  - Timeout added for the following commands:
    - SetAudioDecoderConfiguration
    - SetAudioEncoderConfiguration
    - SetAudioOutputConfiguration
    - SetAudioSourceConfiguration
    - SetMetadataConfiguration
    - SetOSD
    - SetVideoEncoderConfiguration
    - SetVideoSourceConfiguration
    - SetVideoSourceMode

Version: ONVIF Test Tool v.18.05 rev. 3882 Release Candidate

Date: 18 May 2018

Version type: Release candidate of Device Test Tool of Hobgoblin and Bulbasaur projects.

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Hobgoblin and Bulbasaur projects, so interested parties could verify that issues are resolved.

Bulbasaur Release Candidate

The following tickets/tasks are addressed:

- 'Repeat' (-r) functionality in command line mode was implemented
- No functional changes some internal bugs were fixed

Hobgoblin Release Candidate

The following tickets/tasks are addressed:

- #1593 Testcases: AdvanceSecurity 3-2-2,3-2-4,3-2-5)
  - The following tests were updated:
    - ADVANCED_SECURITY-3-1-1
    - ADVANCED_SECURITY-3-1-2
    - ADVANCED_SECURITY-3-1-3
    - ADVANCED_SECURITY-3-1-4
    - ADVANCED_SECURITY-3-1-5
    - ADVANCED_SECURITY-3-1-6
    - ADVANCED_SECURITY-3-1-7
    - ADVANCED_SECURITY-3-1-8
    - ADVANCED_SECURITY-3-2-3
    - ADVANCED_SECURITY-3-2-4
    - ADVANCED_SECURITY-3-2-5
    - ADVANCED_SECURITY-3-3-1
    - ADVANCED_SECURITY-3-3-2
    - ADVANCED_SECURITY-3-3-3
    - ADVANCED_SECURITY-4-1-1
    - ADVANCED_SECURITY-4-1-2
    - MEDIA2_RTSS-1-1-15
    - MEDIA2_RTSS-1-1-16
    - MEDIA2_RTSS-1-1-17
    - MEDIA2_RTSS-1-1-18
    - MEDIA2_RTSS-2-1-13
    - MEDIA2_RTSS-2-1-14
    - MEDIA2_RTSS-2-1-15
    - MEDIA2_RTSS-2-1-16
    - MEDIA2_RTSS-3-1-17
    - MEDIA2_RTSS-3-1-18
    - MEDIA2_RTSS-3-1-19
    - MEDIA2_RTSS-3-1-20
    - MEDIA2_RTSS-4-1-8
    - MEDIA2_RTSS-4-1-9
- #1594 Decouple TLS/Ciphers dependency on HTTPS streaming tests
  - The following test was updated:

- ▪ ADVANCED_SECURITY-5-1-1
- #1613 RECEIVER-2-1-16-v 14.12 CONFIGURE RECEIVER PullMessages Request missing args
  - o The following tests were updated:
    - ▪ RECEIVER-2-1-16
    - ▪ RECEIVER-2-1-17
    - ▪ RECEIVER-2-1-18
- #1614 EVENT-3-1-33 to 35 mandatory test cases fail for Profile S devices in DTT v17.12
  - o The following tests were updated:
    - ▪ IMAGING-4-1-1
    - ▪ IMAGING-4-1-2
    - ▪ IMAGING-4-1-3
    - ▪ IMAGING-4-1-4
    - ▪ IMAGING-4-1-5
    - ▪ EVENT-3-1-33
    - ▪ EVENT-3-1-34
    - ▪ EVENT-3-1-35
    - ▪ DEVICEIO-2-1-1
- #1615 DTT should upload certificate with appropriate RSAKeyLengths supported by DUT.
  - o The following tests were updated:
    - ▪ ADVANCED_SECURITY-2-1-3
    - ▪ ADVANCED_SECURITY-2-1-4
    - ▪ ADVANCED_SECURITY-2-1-5
    - ▪ ADVANCED_SECURITY-2-1-7
    - ▪ ADVANCED_SECURITY-2-1-9
    - ▪ ADVANCED_SECURITY-2-1-11
    - ▪ ADVANCED_SECURITY-2-1-13
    - ▪ ADVANCED_SECURITY-2-1-15
    - ▪ ADVANCED_SECURITY-2-1-17
    - ▪ ADVANCED_SECURITY-2-1-19
    - ▪ ADVANCED_SECURITY-2-1-21
    - ▪ ADVANCED_SECURITY-2-1-22
    - ▪ ADVANCED_SECURITY-2-1-23
    - ▪ ADVANCED_SECURITY-2-1-24
    - ▪ ADVANCED_SECURITY-2-1-27
    - ▪ ADVANCED_SECURITY-2-1-28
    - ▪ ADVANCED_SECURITY-3-1-2
    - ▪ ADVANCED_SECURITY-3-1-4
    - ▪ ADVANCED_SECURITY-3-1-6
    - ▪ ADVANCED_SECURITY-3-1-8
    - ▪ ADVANCED_SECURITY-3-2-5
    - ▪ ADVANCED_SECURITY-3-3-1
    - ▪ ADVANCED_SECURITY-3-3-2
    - ▪ ADVANCED_SECURITY-3-3-3
    - ▪ ADVANCED_SECURITY-4-1-2
    - ▪ ADVANCED_SECURITY-6-3-1
    - ▪ ADVANCED_SECURITY-6-3-2
    - ▪ ADVANCED_SECURITY-6-3-4
    - ▪ ADVANCED_SECURITY-8-1-4
    - ▪ ADVANCED_SECURITY-8-1-5

- ▪ ADVANCED_SECURITY-8-1-6
- ▪ MEDIA2_RTSS-1-1-15
- ▪ MEDIA2_RTSS-1-1-16
- ▪ MEDIA2_RTSS-1-1-17
- ▪ MEDIA2_RTSS-1-1-18
- ▪ MEDIA2_RTSS-2-1-13
- ▪ MEDIA2_RTSS-2-1-14
- ▪ MEDIA2_RTSS-2-1-15
- ▪ MEDIA2_RTSS-2-1-16
- ▪ MEDIA2_RTSS-3-1-17
- ▪ MEDIA2_RTSS-3-1-18
- ▪ MEDIA2_RTSS-3-1-19
- ▪ MEDIA2_RTSS-3-1-20
- ▪ MEDIA2_RTSS-4-1-8
- ▪ MEDIA2_RTSS-4-1-9
- #1617 DTT v18.03 rev3646: MEDIA2-2-3-4-v18.06 Expecting notification message for unchanged VEC
  - o The following test was updated:
    - ▪ MEDIA2-2-3-4
- #1619 Unexpected failure in ADVANCED_SECURITY-3-3-1v15.06
  - o The following tests were updated:
    - ▪ ADVANCED_SECURITY-3-3-1
    - ▪ ADVANCED_SECURITY-3-3-2
    - ▪ ADVANCED_SECURITY-3-3-3
- #1620 Need a test for GVEI to respect internal ticket 2217
  - o The following test was added:
    - ▪ MEDIA2-5-1-2
- #1643 Web Socket Streaming URI format correction is required
- #1595 Format of RTSPWebSocketUri capability has changed
  - o The following tests were updated:
    - ▪ MEDIA2_RTSS-1-1-19
    - ▪ MEDIA2_RTSS-1-1-20
    - ▪ MEDIA2_RTSS-1-1-21
    - ▪ MEDIA2_RTSS-1-1-22
    - ▪ MEDIA2_RTSS-2-1-17
    - ▪ MEDIA2_RTSS-2-1-18
    - ▪ MEDIA2_RTSS-2-1-19
    - ▪ MEDIA2_RTSS-2-1-20
    - ▪ MEDIA2-7-1-1
- #1569 Update documentation delivered in Ash (partly)
  - o The following were updated:
    - ▪ Help
- #1340 Profile S/G/T Coverage: No positive testcases for MessageContentFilter
  - o The following test was added:
    - ▪ EVENT-2-1-29
    - ▪ EVENT-3-1-38
- #1590 Add the test to check if RTSP Digest is supported by device for Profile T
  - o The following tests were updated:
    - ▪ The rest of the test cases were updated

- The following internal issues were fixed:
  - [Internal ID 66114] Video Stream window is not closed after ending of test (almost not reproducible)
  - File Menu on GUI: submenu that is not in focus is coloring with blue
  - [Internal ID 67823] one time command line testing hangs with 227 camera when previous streaming test ends without TEARDOWN step

Known Issues and Limitations:

- [internal 69234] [Evo B][CommandLine] Add help in case of wrong input
- [internal 69233] [Evo B][CommandLine] To change text provided by -h (help) in command line

Version: ONVIF Test Tool v.18.04 rev. 3697 3rd Prototype
Date: 18 April 2018

Version type: 3rd Prototype of Device Test Tool of Hobgoblin and Bulbasaur projects.

Description: The purpose of this delivery is to provide the 3rd Prototype version of the ONVIF Device Test Tool as part of Hobgoblin and Bulbasaur projects, so interested parties could verify that issues are resolved.

Bulbasaur 3rd Prototype
The following tickets/tasks are addressed:

- [Bulbasaur] DTT Evo B VS Migration
- #1585 include full test name in JUnit test report

Hobgoblin 3rd Prototype
The following tickets/tasks are addressed:

- #1562 DeviceTestTool v17.12 rev2981: ADVANCED_SECURITY-3-2-3: Required to check MaximumNumberOfTLSCertificationPaths
  - The following tests were updated:
    - ADVANCED_SECURITY-3-1-1
    - ADVANCED_SECURITY-3-1-2
    - ADVANCED_SECURITY-3-1-3
    - ADVANCED_SECURITY-3-1-4
    - ADVANCED_SECURITY-3-1-5
    - ADVANCED_SECURITY-3-1-6
    - ADVANCED_SECURITY-3-1-7
    - ADVANCED_SECURITY-3-1-8
    - ADVANCED_SECURITY-3-2-3
    - ADVANCED_SECURITY-3-2-4
    - ADVANCED_SECURITY-3-2-5
    - ADVANCED_SECURITY-3-3-1
    - ADVANCED_SECURITY-3-3-2
    - ADVANCED_SECURITY-4-1-1

- ADVANCED_SECURITY-4-1-2
- MEDIA2_RTSS-1-1-15
- MEDIA2_RTSS-1-1-16
- MEDIA2_RTSS-1-1-17
- MEDIA2_RTSS-1-1-18
- MEDIA2_RTSS-2-1-13
- MEDIA2_RTSS-2-1-14
- MEDIA2_RTSS-2-1-15
- MEDIA2_RTSS-2-1-16
- MEDIA2_RTSS-3-1-17
- MEDIA2_RTSS-3-1-18
- MEDIA2_RTSS-3-1-19
- MEDIA2_RTSS-3-1-20
- MEDIA2_RTSS-4-1-8
- MEDIA2_RTSS-4-1-9
- #1605 tests listed in DoC errata despite all tests passed
- #1547 MEDIA2-6-1-1 Fails if text overlay is already assigned
  - The following tests were updated:
    - MEDIA2-6-1-1 CREATE OSD CONFIGURATION FOR TEXT OVERLAY
    - MEDIA2-6-1-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY
    - MEDIA2-6-1-3 SET OSD CONFIGURATION IMAGE OVERLAY
    - MEDIA2-6-1-4 SET OSD CONFIGURATION TEXT
- #1581 Feature Definition Log issue with OSD Options
  - The following tests were updated:
    - MEDIA2-6-1-6 GET OSD OPTIONS
    - MEDIA2-6-1-7 OSD CONFIGURATIONS AND OSD OPTIONS CONSISTENCY
    - MEDIA2-6-1-1 CREATE OSD CONFIGURATION FOR TEXT OVERLAY
    - MEDIA2-6-1-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY
    - MEDIA2-6-1-3 SET OSD CONFIGURATION IMAGE OVERLAY
    - MEDIA2-6-1-4 SET OSD CONFIGURATION TEXT OVERLAY
- #1586 CreateRSAKeyPair & estimated creation time
  - The following tests were updated:
    - ADVANCED_SECURITY-1-1-1
    - ADVANCED_SECURITY-1-1-2
    - ADVANCED_SECURITY-1-1-3
    - ADVANCED_SECURITY-1-1-4
    - ADVANCED_SECURITY-1-1-5
    - ADVANCED_SECURITY-2-1-1
    - ADVANCED_SECURITY-2-1-2
    - ADVANCED_SECURITY-2-1-3
    - ADVANCED_SECURITY-2-1-6
    - ADVANCED_SECURITY-2-1-8
    - ADVANCED_SECURITY-2-1-10
    - ADVANCED_SECURITY-2-1-12
    - ADVANCED_SECURITY-2-1-13
    - ADVANCED_SECURITY-2-1-14
    - ADVANCED_SECURITY-2-1-15
    - ADVANCED_SECURITY-2-1-16
    - ADVANCED_SECURITY-2-1-17

- ADVANCED_SECURITY-2-1-18
- ADVANCED_SECURITY-2-1-19
- ADVANCED_SECURITY-2-1-22
- ADVANCED_SECURITY-3-1-1
- ADVANCED_SECURITY-3-1-2
- ADVANCED_SECURITY-3-1-3
- ADVANCED_SECURITY-3-1-4
- ADVANCED_SECURITY-3-1-5
- ADVANCED_SECURITY-3-1-6
- ADVANCED_SECURITY-3-1-7
- ADVANCED_SECURITY-3-1-8
- ADVANCED_SECURITY-3-2-3
- ADVANCED_SECURITY-3-2-4
- ADVANCED_SECURITY-3-3-1
- ADVANCED_SECURITY-3-3-2
- ADVANCED_SECURITY-4-1-1
- ADVANCED_SECURITY-4-1-2
- MEDIA2_RTSS-1-1-15
- MEDIA2_RTSS-1-1-16
- MEDIA2_RTSS-1-1-17
- MEDIA2_RTSS-1-1-18
- MEDIA2_RTSS-2-1-13
- MEDIA2_RTSS-2-1-14
- MEDIA2_RTSS-2-1-15
- MEDIA2_RTSS-2-1-16
- MEDIA2_RTSS-3-1-17
- MEDIA2_RTSS-3-1-18
- MEDIA2_RTSS-3-1-19
- MEDIA2_RTSS-3-1-20
- MEDIA2_RTSS-4-1-8
- MEDIA2_RTSS-4-1-9
- #1598 Advanced Security-3-2-3/4/5-v15.06
- #1604 DTT v18.03 rev3554: Auxiliary tests executed for not supported device
- #1616 DTT v18.03 rev3646: Internal Error observed
- #1449 Feature definition procedure for PTZ service does not use all PTZ nodes
- #1507 PTZ feature definition fails if device does not support Media Service
- #1523 DTT cannot check Profile T requirement regarding SphericalPositionSpace
- #1535 Extend Feature Tree/List structure to support possibility to show results for each Device Entity
- #1590 Add the test to check if RTSP Digest is supported by device for Profile T (partly):
  - MEDIA2_RTSS-1-1-1-v18.06 MEDIA2 STREAMING – H.264 (RTP-Unicast/UDP) updated
- #1592 Test tool crashes sometimes when saving report
- #1608 OSD: clarification about MaximumNumberOfOSDs.PlainText in OSD Option
- The following internal issues were fixed:
  - [Internal ID 69096] Feature definition procedure stops when DUT sends fault to GetProfiles (Media2) during PTZ feature definition
  - [Internal ID 67838] #1535 Internal PTZ features for SelectedNode are included into Feature List

- o [Internal ID 67839] #1535 Overall state of undefined PTZ feature is NOT SUPPORTED instead of SUPPORTED in the Output Log
- o [Internal ID 67840] #1535 Undefined PTZ features are listed in Feature List

- o [Internal ID 67847] #1535 Feature List does not have attributes with nodes when GetNodesResponse does not contain optional Name field
- o [Internal ID 67852] #1535 No PTZ features state for each node in Output Log (only overall state is provided)

- o [Internal ID 67848] MEDIA2_PTZ-3-1-4 and PTZ-5-1-4 tests logic erroneously depends on PTZ features

Known Issues and Limitations:

- [Internal ID 66114] Video Stream window is not closed after ending of test (almost not reproducible)
- Test case selection on GUI in test tree during test execution sometimes does not work to view test details during test run, not related to test selection for conformance (to be investigated if it is caused by merging)
- File Menu on GUI: submenu that is not in focus is coloring with blue
- [Internal ID 67823] one time command line testing hangs with 227 camera when previous streaming test ends without TEARDOWN step

Version: ONVIF Test Tool v.18.03 rev. 3554 2nd Prototype

Date: 12 Match 2018

Version type: 2nd Prototype of Device Test Tool of Hobgoblin and Bulbasaur projects.

Description: The purpose of this delivery is to provide the 2nd Prototype version of the ONVIF Device Test Tool as part of Hobgoblin and Bulbasaur projects, so interested parties could verify that issues are resolved.

Bulbasaur 2nd Prototype
The following tickets/tasks are addressed:

- The following internal issues were fixed:
    - o DTT runs conformance mode when command line parameters has selected mode with incorrect format
    - o DTT provides incorrect warning text when script is not ended
    - o [Internal ID 66733] Incorrect order of test execution in command line in selected mode

Hobgoblin 2nd Prototype
The following tickets/tasks are addressed:

- #1597 Requirement for websocket handshake authentication
    - Authentication on HTTP level was removed for WebSockets
- #1552 RECORDING-2-1-31-v17.01 Update test specification logic
    - The following test was removed:

- RECORDING-2-1-31 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - MEDIA PROFILE
- #1579 DTT v18.02 rev3397: DTT not reverting to IPV4 network interface
  - The following test was updated:
    - MEDIA2_RTSS-4-1-9 METADATA STREAMING (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
- #1584 QUICK_INSTALL-2-1-2,4,5: make passwords configurable
  - The following test were updated:
    - QUICK_INSTALL-1-1-1 Factory default state verification
    - QUICK_INSTALL-2-1-2 Default access policy - User
    - QUICK_INSTALL-2-1-4 Default access policy - Administrator and Anonymous
    - QUICK_INSTALL-2-1-5 Default access policy - Administrator And User/Operator
    - PROFILEQ_TESTING_PREPARATION-1-1-1-v16.07 Hard Factory Reset
  - Help updated:
    - Management tab section, Provide own passwords field description
- #1596 crash/fail during IPv6 WebSockets handshake
  - The following test were updated (all related to WebSockets):
    - MEDIA2_RTSS-1-1-19 - MEDIA2_RTSS-1-1-22
    - MEDIA2_RTSS-2-1-17 - MEDIA2_RTSS-2-1-20
    - MEDIA2_RTSS-3-1-13 - MEDIA2_RTSS-3-1-16
    - MEDIA2_RTSS-4-1-10 - MEDIA2_RTSS-4-1-11
- #1405 Checking of response element name in device response
  - Engine was updated to check response element, each request to Device in conformance were affected
- #1493 DTT 17.06 very slow switching to "Conformance Test" tab / crashes
  - Issue fixed
- #1483 Media2 OSD Image changes for release 17.12
  - Proxy classes were updated with new wsdl
  - The following test cases were updated:
    - MEDIA2-6-1-6 GET OSD OPTIONS
    - MEDIA2-6-1-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY
    - MEDIA2-6-1-3 SET OSD CONFIGURATION IMAGE OVERLAY
- #1550 Failed MEDIA2_RTSS-5-2-2-v17.12 MEDIA2 STREAMING – H.26X/G.711 (RTP-Multicast/UDP, IPv6)
  - The following were updated:
    - Annex A.46 Device Configuration for Video and Audio Streaming (Resolution and FrameRateLimit settings were updated for step 3)
    - Annex A.40 Device Configuration for Video Streaming (Resolution and FrameRateLimit settings were updated for step 3)
  - The following test cases were involved:
    - MEDIA2_RTSS-1-1-1 - MEDIA2_RTSS-1-1-22
    - MEDIA2_RTSS-1-2-*
    - MEDIA2_RTSS-5-*-*
- #1588 DTT 18.02 ver3434: MEDIA2_RTSS-5-1-12: Network error
  - The following test cases were updated:
    - MEDIA2_RTSS-5-1-12-v18.06 MEDIA2 STREAMING – H.26X/AAC (RTP/RTSP/TCP, IPv6)
    - MEDIA2_RTSS-2-1-16-v18.06 MEDIA2 STREAMING – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)

- #1591 DTT v18.02 rev3434: MEDIA2_RTSS-2-1-1 : Cannot find nor create Media Profile to run the test
    - The following test cases were updated:
        - MEDIA2_RTSS-2-1-*
- #1507 PTZ feature definition fails if device does not support Media Service
    - Fixed in the scope of #1535
- The following internal issues were fixed:
    - [Internal ID 66602] System.Net.Sockets.SocketException in Start\Stop Multicast streaming test case for specific initial state of device
    - [Internal ID 66734] Analytics Engine and Thermal test sections shall be moved before Profile Q testing preparation section

The following tickets/tasks were implemented as draft:

- #1449 Feature definition procedure for PTZ service does not use all PTZ nodes
    - Fixed in the scope of #1535
- #1535 Extend Feature Tree/List structure to support possibility to show results for each Device Entity
    - Feature discovery process were updated for PTZ features
    - PTZ test cases were updated for backward compatibility:
        - PTZ-3-1-1 PTZ ABSOLUTE MOVE (pre-requisite was updated)
        - PTZ-3-1-2 SOAP FAULT MESSAGE (pre-requisite was updated)
        - PTZ-3-1-3 PTZ RELATIVE MOVE (pre-requisite was updated)
        - PTZ-4-1-4 SET AND GET PRESET (pre-requisite was updated, steps 4, 10-14, 19-22 were updated)
        - PTZ-4-1-5 GOTO PRESET (pre-requisite updated, step 4 was updated)
        - PTZ-4-1-6 REMOVE PRESET (pre-requisite was updated)
        - PTZ-5-1-1 HOME POSITION OPERATIONS (CONFIGURABLE) (pre-requisite was updated, step 4 was updated)
        - PTZ-5-1-2 HOME POSITION OPERATIONS (FIXED) (pre-requisite was updated, step 7 was updated)
        - PTZ-5-1-3 PTZ – HOME POSITION OPERATIONS (USAGE OF FIXEDHOMEPOSITION FLAG) (pre-requisite was updated)
        - PTZ-6-1-1 SEND AUXILIARY COMMAND (pre-requisite was updated)
        - MEDIA2_PTZ-1-1-1 PTZ ABSOLUTE MOVE USING MEDIA2 PROFILE (pre-requisite was updated, steps 10, 11, 10.1, 10.4.1.3, 11.1, 11.4.1.3, 14.1, 14.2 were updated)
        - MEDIA2_PTZ-1-1-2 PTZ CONTINUOUS MOVE USING MEDIA2 PROFILE (pre-requisite was updated, steps 10, 11, 10.4.1.3, 11.4.1.3 were updated)
        - MEDIA2_PTZ-1-1-3 PTZ CONTINUOUS MOVE & STOP USING MEDIA2 PROFILE (pre-requisite was updated, steps 9, 10, 9.7.1.3, 10.7.1.3 were updated)
        - MEDIA2_PTZ-2-1-1 PTZ SET AND GET PRESET USING MEDIA2 PROFILE (pre-requisite was updated, steps 3, 8, 9, 11, 12, 23, 24, 25, 26, 37, 38 were updated)
        - MEDIA2_PTZ-2-1-2 PTZ GOTO PRESET USING MEDIA2 PROFILE (pre-requisite was updated, steps 3, 8, 9, 11, 12, 16.1.3, 16.1.4, 19, 20, 24.1.3, 24.1.4, 28.1.3, 28.1.4, 31, 32 were updated)
        - MEDIA2_PTZ-2-1-3 PTZ REMOVE PRESET USING MEDIA2 PROFILE (pre-requisite was updated)

- MEDIA2_PTZ-3-1-1 PTZ HOME POSITION OPERATIONS (CONFIGURABLE) USING MEDIA2 PROFILE (pre-requisite was updated, steps 3, 8, 9, 11, 12, 18, 19, 28, 29 were updated)
- MEDIA2_PTZ-3-1-2 PTZ HOME POSITION OPERATIONS (FIXED) USING MEDIA2 PROFILE (pre-requisite was updated, steps 3, 11, 12, 14, 15, 18.1, 18.2, 29, 30 were updated)
- MEDIA2_PTZ-3-1-3 PTZ – HOME POSITION OPERATIONS (USAGE OF FIXEDHOMEPOSITION FLAG) USING MEDIA2 PROFILE (pre-requisite was updated)
  - o Engine were updated to support feature definition for several entities

  - o Feature list generation were updated

Known Issues and Limitations:

- [Internal ID 66114] Video Stream window is not closed after ending of test (almost not reproducible)
- Test case selection on GUI in test tree during test execution sometimes does not work to view test details during test run, not related to test selection for conformance (to be investigated if it is caused by merging)
- File Menu on GUI: submenu that is not in focus is coloring with blue
- [Internal ID 67823] one time command line testing hangs with 227 camera when previous streaming test ends without TEARDOWN step
- [Internal ID 67838] #1535 Internal PTZ features for SelectedNode are included into Feature List
- [Internal ID 67839] #1535 Overall state of undefined PTZ feature is NOT SUPPORTED instead of SUPPORTED in the Output Log
- [Internal ID 67840] #1535 Undefined PTZ features are listed in Feature List
- [Internal ID 67847] #1535 Feature List does not have attributes with nodes when GetNodesResponse does not contain optional Name field
- [Internal ID 67852] #1535 No PTZ features state for each node in Output Log (only overall state is provided)
- [Internal ID 67848] MEDIA2_PTZ-3-1-4 and PTZ-5-1-4 tests logic erroneously depends on PTZ features

Version: ONVIF Test Tool v.18.02 rev. 3434 1st Prototype

Date: 02 February 2018

Version type: 1st Prototype of Device Test Tool of Hobgoblin and Bulbasaur projects.

Description: The purpose of this delivery is to provide the 1st Prototype version of the ONVIF Device Test Tool as part of Hobgoblin and Bulbasaur projects, so interested parties could verify that issues are resolved.

Bulbasaur 1st Prototype
The following tickets/tasks are addressed:

- The following functionality were added:

- o D.2-1 Convert Compact Mode to Command Line Mode and D.2-6 Log Test Cases Execution Report in JUnit Format (see https://wush.net/trac/onvif-ext/wiki/DTT_Command_Line)
- o D.2-8 Using Scripts Instead of User Interaction (see https://wush.net/trac/onvif-ext/wiki/DTT_User_Interaction_Scripts)
- o D.7-1 Refactoring Save/Load Functionality (see https://wush.net/trac/onvif-ext/wiki/DTT_Save_Load_Settings)
- o D.1527 Generate DoC with signature of authorized representative (https://wush.net/trac/onvif-ext/wiki/AutoSignature)
- o D.2-17 Profile Log Implementation (see https://wush.net/trac/onvif-ext/wiki/DTT_Profile_Log)
- The following functionality were refactored:
  - o D.2-10 and D.2-13 Refactoring Feature and Functionality Definitions & Remove the Static Link to TestTool.Tests.TestCases Project
  - o D.2-4 Output Log Refactoring

Hobgoblin 1st Prototype

The following tickets/tasks are addressed:

- #1185 DTT: Motion Region Detector Configuration
  - o The following test cases were updated:
    - 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
- #1473 Profile T Features required for DoC
  - o Profile T features updated in DoC
- #1511 Clarification of requirement for consistency between GetOSDs and GetOSDOptions
  - o The following test case was updated:
    - MEDIA2-6-1-6 GET OSD OPTIONS
- #1519 SetOSD: change text type from Plain to other type
  - o The following test case was updated:
    - MEDIA2-6-1-4 SET OSD CONFIGURATION TEXT OVERLAY
- #1521 Supporting of Analytics Service and Analytics Configuration in Media2 Service
  - o The following test case was updated:
    - MEDIA2-7-1-1 MEDIA2 SERVICE CAPABILITIES
- #1528 [DEVICEIO-1-1-4] DTT sets unsupported RelayOutputs mode
  - o The following test case was updated:
    - DEVICEIO-1-1-4 IO SETRELAYOUTPUTSETTINGS
- #1540 [RECORDING-4-1-7] internal error in test case
  - o The following test case was updated:
    - RECORDING-4-1-7 GET RECORDING JOB STATE
- #1544 Implement VIDEO ENCODER INSTANCES test cases for H.264 and H.265
  - o The following test case was added:

- MEDIA2_RTSS-1-1-24 VIDEO ENCODER INSTANCES - H.264
- MEDIA2_RTSS-1-1-25 VIDEO ENCODER INSTANCES - H.265
- #1546 MEDIA2-6-1-1 Fails to recognize the Overlay has been removed
  - The following test cases were updated:
    - MEDIA2-6-1-1 CREATE OSD CONFIGURATION FOR TEXT OVERLAY
    - MEDIA2-6-1-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY
- #1548 Test Tool crashes after Media2_RTSS-3-1-17 Backchannel via Https
  - The following test cases were updated:
    - MEDIA2_RTSS-3-1-17-v18.06 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
    - MEDIA2_RTSS-3-1-18-v18.06 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv4)
    - MEDIA2_RTSS-3-1-19-v18.06 BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
    - MEDIA2_RTSS-3-1-20-v18.06 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTPS/TCP, IPv6)
- #1549 Failed MEDIA2_RTSS-4-2-1-v17.12 METADATA STREAMING (RTP-Multicast/UDP)
  - The following test cases were updated:
    - MEDIA2_RTSS-4-2-1 METADATA STREAMING (RTP-Multicast/UDP)
    - MEDIA2_RTSS-4-2-2 METADATA STREAMING (RTP-Multicast/UDP, IPv6)
- #1551 Test tool doesn't specify which interface to use when joining multicast group
  - The issue was fixed
- #1553 DTTv17.12RCRev2981: MEDIA2_RTSS-4-2-1-v17.12 METADATA STREAMING (RTP-Multicast/UDP) test failed
  - The following test cases were updated:
    - MEDIA2_RTSS-4-2-1 METADATA STREAMING (RTP-Multicast/UDP)
    - MEDIA2_RTSS-4-2-2 METADATA STREAMING (RTP-Multicast/UDP, IPv6)
- #1554 Update Annex A.6 in Media2 streaming to exclude Profile T from pre-requisite
  - The following test cases were updated:
    - MEDIA2_RTSS-1-1-1 - MEDIA2_RTSS-1-1-22
    - MEDIA2_RTSS-1-2-*
    - MEDIA2_RTSS-5-*-*
- #1555 HTTP streaming: HTTP URI received in response to GetStreamUri is not validated
  - The following test cases were updated:
    - MEDIA2_RTSS-*
    - RTSS-* (except RTSS-1-2-19, RTSS-1-2-20, RTSS-2-2-9, RTSS-2-2-10, RTSS-3-2-22, RTSS-3-2-23, RTSS-5-*)
- #1557 ANALYTICS-1-1-3-v17.12 CREATE MOTION REGION DETECTOR RULE test case fail
  - The following test cases were updated:
    - 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

- #1558 Test stops at RTSS-1-1-28-v17.01 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES
  - The following test cases were updated:
    - MEDIA2_RTSS-*
    - RTSS-* (except RTSS-1-2-19, RTSS-1-2-20, RTSS-2-2-9, RTSS-2-2-10, RTSS-3-2-22, RTSS-3-2-23, RTSS-5-*)
- #1560 MEDIA2-2-3-4-v17.01 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS failed
  - The following test case was updated:
    - MEDIA2-2-3-4 VIDEO ENCODER CONFIGURATIONS – ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS
- #1563 Installator does not update specifications when the same version of the DTT is installed
  - DTT installer has been updated to remove test specification during uninstalling process.
- #1564 Intermediate release of DTT v17.12 with Profile T in conformance mode
  - Profile T was moved to conformance
  - Profile T related test cases was moved to conformance
- #1565 [DEVICEIO-2-1-1] incorrec test implementation
  - The following test case was updated:
    - DEVICEIO-2-1-1 REALTIME PULLPOINT SUBSCRIPTION – DIGITAL INPUT EVENT
- #1567 [DEVICEIO] GetRelayOutputOptions is mandatory for Profile T only
  - The following test cases were updated with run condition:
    - DEVICEIO-1-1-3 IO GETRELAYOUTPUTOPTIONS
    - DEVICEIO-1-1-4 IO SETRELAYOUTPUTSETTINGS
    - DEVICEIO-1-2-1 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (OPENED IDLE STATE)
    - DEVICEIO-1-2-2 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (CLOSED IDLE STATE)
    - DEVICEIO-1-2-3 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE)
    - DEVICEIO-1-2-4 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE)
  - New feature was added to feature discovery procedure:
    - Relay Output Options
  - Profile T Support check was updated
- #1568 Remove duplicated audio tests
  - The following test cases were removed:
    - MEDIA2_RTSS-2-1-22 MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
    - MEDIA2_RTSS-2-1-23 MEDIA2 AUDIO STREAMING – G.711 (RTP/RTSP/TCP)
    - MEDIA2_RTSS-2-1-24 MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/UDP, IPv6)
    - MEDIA2_RTSS-2-1-25 MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

- MEDIA2_RTSS-2-1-26 MEDIA2 AUDIO STREAMING – G.711 (RTP/RTSP/TCP, IPv6)
- MEDIA2_RTSS-2-1-27 MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/UDP)
- MEDIA2_RTSS-2-1-28 MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)
- MEDIA2_RTSS-2-1-29 MEDIA2 AUDIO STREAMING – AAC (RTP/RTSP/TCP)
- MEDIA2_RTSS-2-1-30 MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/UDP, IPv6)
- MEDIA2_RTSS-2-1-31 MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- MEDIA2_RTSS-2-1-32 MEDIA2 AUDIO STREAMING – AAC (RTP/RTSP/TCP, IPv6)
- MEDIA2_RTSS-2-2-5 MEDIA2 AUDIO STREAMING – G.711 (RTP-Multicast, IPv4)
- MEDIA2_RTSS-2-2-6 MEDIA2 AUDIO STREAMING – G.711 (RTP-Multicast, IPv6)
- MEDIA2_RTSS-2-2-7 MEDIA2 AUDIO STREAMING – AAC (RTP-Multicast, IPv4)
- MEDIA2_RTSS-2-2-8 MEDIA2 AUDIO STREAMING – AAC (RTP-Multicast, IPv6)

- #1575 DeviceTestTool v18.01 rev3263: MEDIA2-8-1-1: Wrong validation after SetMetadataConfiguration with optional elements omitted
  - The following test case was updated:
    - MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS
- #1576 DTT v18.01 rev3263: MEDIA2_RTSS-3-1-12-v17.12: Incorrect protocol in GetStreamUri
  - The following test case was updated:
    - MEDIA2_RTSS-3-1-12-v18.06 BACKCHANNEL – AAC (RTP/RTSP/TCP, IPv6)

Version: ONVIF Test Tool v.17.12 rev.3102 Release

Date: 15 December 2017

Version type: Release of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Release

The following tickets/tasks are addressed:

- #1552 RECORDING-2-1-31-v17.01 Update test specification logic:
  - RECORDING-2-1-31 moved in diagnostic mode
- #1524 DTT Help needs to be updated
  - Screenshot of Profiles tree in Help updated
- Bugfix for format of test list in TestReport.pdf

Version: ONVIF Test Tool v.17.12RC rev.2981 Release Candidate

Date: 04 December 2017

Version type: Release candidate of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Intermediate Release

The following tickets/tasks are addressed:

- #1185 DTT: Motion Region Detector Configuration
  - Bugfix for 'Armed' field in the following test cases:
    - 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
- #1277 DTT Crash data collection enhancement
- #1323 DTT: Streaming over Websocket
  - Bugfix for RTSP session
- #1398 [Analytics] There is no capability for maximum number of rules
  - 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
- #1476 Investigate PTZ service tests
- #1486 [CoverageMap] Add test case for SetMetadataConfiguration and ConfigurationChanged event generation
  - Bugfixes in MEDIA2-8-1-1 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS
- #1492 Imaging Test Specification needs update for products where not all video sources support Imaging
- #1498 [CoverageMap] Add test cases for metadata streaming over WebSocket
  - Bugfix for transport value in GetStreamUri request
- #1499 [CoverageMap] Update MEDIA2-1-1-3 test case with all configuration
  - Update according to Plugfest review
- #1500 [CoverageMap] GetOSDOptions and GetOSDs: add test case to check consistency
  - Update for order of steps
- #1516 MEDIA2-8-1-1-v17.12 missing mandatory parameter
- #1522 Media2 Capabilities: what skipped ConfigurationsSupported attribute means?
  - MEDIA2-7-1-1 MEDIA2 SERVICE CAPABILITIES updated
- #1524 DTT Help needs to be updated
- #1526 Attribution of open source components
- #1529 [MEDIA2-3-3-4] Incorrect check of SendPrimacy consistency
- #1532 [MEDIA2-1-1-5] internal error on GetVideoSourceConfigurationsResponse
- #1533 [MEDIA2-3-2-4] Test fails correct Audio Encoder Config when its options has several option parameters
- #1534 [MEDIA2-6-1-6] Incorrect test logic when MaximumNumberOfOSDs.PlainText/Image =0
- #1536 Streaming: incorrect counting of frames to capture when frame rate < 1

- #1538 Move Profile T to Release Candidate
- #1471 replay test cases fail if recording contains B-Frames

Known Issues and Limitations:
- #1330: PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE test case implementation does not have roll-back procedure.

Version: ONVIF Test Tool v.17.11 rev.2779 Release Candidate
Date: 03 November 2017

Version type: Release candidate of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Intermediate Release
The following tickets/tasks are addressed:

- #1472 Test to be added to test mutability of profile with "fixed" attribute set to True:
    o MEDIA2-1-1-7 FIXED MEDIA PROFILE CONFIGURATION (new test)
- #1475 Media2 HTTPS streaming tests selection precondition to be updated:
    o RTP/RTSP/HTTPS feature in Media2 Service
    o Update of 'RunIfSupported' of HTTPS streaming test cases
- #1441 MEDIA2-2-1-1-v17.06 fails for unknown reason
- #1453 [DEVICEIO-1-1-2] Test implementation uses GetCapabilties instead of GetServiceCapabilities:
    o The bug fixed
- #1477 [CoverageMap] Add test for GetServiceCapabilities (Analytics service):
    o Typo in log fixed
- #1478 [CoverageMap] Add test for supporting of at least two pull point subscriptions:
    o EVENT-3-1-37 REALTIME PULLPOINT SUBSCRIPTION – MAXIMUM SUPPORTED NUMBER OF NOTIFICATION PULL POINTS (new test)
- #1496 [CoverageMap] Add new tests for GetVideoSources (DeviceIO):
    o DEVICEIO-7-1-1 IO GET VIDEO SOURCES (new test)
- #1502 [CoverageMap] Add new tests for GetAudioOutputs (DeviceIO)
    o DEVICEIO-8-1-1 IO GET AUDIO OUTPUTS (new test)
- #1348 Media2 video + audio streaming:
    o New test cases were added:
        ▪ MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
        ▪ MEDIA2 AUDIO STREAMING – G.711 (RTP/RTSP/TCP)
        ▪ MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/UDP, IPv6)
        ▪ MEDIA2 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
        ▪ MEDIA2 AUDIO STREAMING – G.711 (RTP/RTSP/TCP, IPv6)

- MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/UDP)
- MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)
- MEDIA2 AUDIO STREAMING – AAC (RTP/RTSP/TCP)
- MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/UDP, IPv6)
- MEDIA2 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- MEDIA2 AUDIO STREAMING – AAC (RTP/RTSP/TCP, IPv6)
- MEDIA2 AUDIO STREAMING – G.711 (RTP-Multicast, IPv4)
- MEDIA2 AUDIO STREAMING – G.711 (RTP-Multicast, IPv6)
- MEDIA2 AUDIO STREAMING – AAC (RTP-Multicast, IPv4)
- MEDIA2 AUDIO STREAMING – AAC (RTP-Multicast, IPv6)
- MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/RTSP/HTTP/TCP)
- MEDIA2 STREAMING – H.26X/G.711 (RTP/RTSP/TCP)
- MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/UDP, IPv6)
- MEDIA2 STREAMING – H.26X/G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- MEDIA2 STREAMING – H.26X/G.711 (RTP/RTSP/TCP, IPv6)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/UDP)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/RTSP/HTTP/TCP)
- MEDIA2 STREAMING – H.26X/AAC (RTP/RTSP/TCP)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/UDP, IPv6)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
- MEDIA2 STREAMING – H.26X/AAC (RTP/RTSP/TCP, IPv6)
- MEDIA2 STREAMING – H.26X/G.711 (RTP-Multicast, IPv4)
- MEDIA2 STREAMING – H.26X/G.711 (RTP-Multicast, IPv6)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast, IPv4)
- MEDIA2 STREAMING – H.26X/AAC (RTP-Multicast, IPv6)

- #1450 Profile T support check issue
- #1185: DTT: Motion Region Detector Configuration
  - Motion Region Detector Rule feature added
  - 'RunIfSupported' of Motion Region Detector test cases updated
- #1487: [CoverageMap] Add test case for SetConfiguration and tns1:Media/ConfigurationChanged event generation
  - MEDIA2-4-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ (updated)
- #1490 Replace iTextSharp As PDF Report Generator Component
- #1439 Regarding streaming tests "RTP/RTSP/TCP"
- #1446 Profile T feature definition with DTT 17.06 - No support for Imaging settings
- #1465 Profile T Support Preliminary Check failed during Feature Definition process
- #1470 Test Tool crash in MEDIA2_RTSS-1-1-15v17.06 (Streaming via HTTPS)
- #1503 AudioBackchannel test cases (TCP, HTTP) do not work
- #1501 [CoverageMap] Add tests for Audio Output Streaming over HTTPS:
  - New test cases:
    - 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)
- #1513 DeviceTestTool 17.10 ver2569: MEDIA2-4-1-2-v17.06: Incorrect validation of profile at Step 41
- #1508 Multicast Streaming Test case failures observed with ONVIF Device Test tool V17.06
- #1473 Profile T Features required for DoC
- #1401 Remove Renew from Pull-point test cases
- #1409 Improvement for Media2-2-1-1 GetVideoEncoderInstances (partly):
    - MEDIA2_RTSS-1-1-23-v17.12 VIDEO ENCODER INSTANCES (updated)
- #1476 Investigate PTZ service tests (partly):
    - PTZ and PTZ Using Media2 test cases were regrouped
- #1498: [CoverageMap] Add test cases for metadata streaming over WebSocket:
    - METADATA STREAMING (RTP-Unicast/RTSP/WebSockets) (new test)
    - METADATA STREAMING (RTP-Unicast/RTSP/WebSockets, IPv6) (new test)
- #1497: [CoverageMap] Add test cases for metadata streaming over HTTPS:
    - METADATA STREAMING (RTP-Unicast/RTSP/HTTPS/TCP) (new test)
    - METADATA STREAMING (RTP-Unicast/RTSP/HTTPS/TCP, IPv6) (new test)
- #1486: [CoverageMap] Add test case for SetMetadataConfiguration and ConfigurationChanged event generation:
    - MEDIA2-8-1-1-v17.12 MODIFY ALL SUPPORTED METADATA CONFIGURATIONS (draft version)
- #1499: [CoverageMap] Update MEDIA2-1-1-3 test case with all configuration:
    - MEDIA2-1-1-3 DYNAMIC MEDIA PROFILE CONFIGURATION (updated)
- #1500: [CoverageMap] GetOSDOptions and GetOSDs: add test case to check consistency
    - MEDIA2-6-1-6 GET OSD OPTIONS (new test)
    - MEDIA2-6-1-7 OSD CONFIGURATIONS AND OSD OPTIONS CONSISTENCY (draft version)

Known Issues and Limitations:
- #1330: PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE test case implementation does not have roll-back procedure.

Version: ONVIF Test Tool v.17.10 rev.2569

Date: 06 October 2017

Version type: 3-rd Prototype release of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Intermediate Release

The following tickets/tasks are addressed:

- #1425 Integration of test specification into DTT (partly)
  - Styles for tables with merged cells update
- #1474 AudioBackChannelMulticast test needs to be removed for Media1 and 2
- #1285 A device may gain Profile S compliance while authenticating RTSP methods with Basic Authentication
- #1442 DeviceTestTool 17.06 ver2054: DEVICE-3-1-14 indefinite wait after uploading firmware
- #1484 [CoverageMap] Add test case for consistency between GetVideoSourceConfigurationOptions and profiles:
  - MEDIA2-2-2-7 PROFILES AND VIDEO SOURCE CONFIGURATION OPTIONS CONSISTENCY
- #1485 [CoverageMap] Update MEDIA2-2-3-1-v17.06 VIDEO ENCODER CONFIGURATION
  - MEDIA2-2-3-1 VIDEO ENCODER CONFIGURATION
- #1488 [CoverageMap] Add missed test cases for GetAudioEncoderConfigurationOptions command
  - MEDIA2-3-2-3 GET AUDIO ENCODER CONFIGURATION OPTIONS
  - MEDIA2-3-2-4 AUDIO ENCODER CONFIGURATIONS AND AUDIO ENCODER CONFIGURATION OPTIONS CONSISTENCY
- #1489 [CoverageMap] Add AuxiliaryCommands feature (Device Service)
  - Features tab/Device Service section/Auxiliary Commands
- #1491 DTT v17.06 Imaging-1-1-14-v17.06 Imaging SetImagingSettings sets incorrect value for optional parameter

Known Issues and Limitations:
- #1330: PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE test case implementation does not have roll-back procedure.

Version: ONVIF Test Tool v.17.09

Date: 25 September 2017

Version type: 2-nd Prototype release of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Intermediate Release

The following tickets/tasks are addressed:

- #1477 [CoverageMap] Add test for GetServiceCapabilities (Analytics service)
- ANALYTICS-3-1-1 GET SERVICES AND GET ANALYTICS SERVICES CAPABILITIES CONSISTENCY
- #1482   Add a test to check consistency between GetOptions and GetImagingSettings
  - IMAGING-1-1-16 GET IMAGING SETTINGS AND GET OPTIONS CONSISTENCY
- #1481 Move test cases for TopicFilter to conformance
- #1319 DTT: Thermal Service

- THERMAL-1-1-1 GET SERVICES AND GET THERMAL SERVICE CAPABILITIES
    - THERMAL-2-1-1 THERMAL GET CONFIGURAION AND GET CONFIGURATION OPTIONS
    - THERMAL-2-1-2 THERMAL MODIFY CONFIGURATION
- #1445 ANALYTICS-1-1-3 is not utiling the proper coordinates to create a region
- #1479 Move SetSynchronizationPoint test to conformance
- #1425 Integration of test specification into DTT (partly)
    - Show test spec of features and profiles on GUI

Known Issues and Limitations:
- #1425 Integration of test specification into DTT (partly)
    - Styles for tables with merged cells is not updated
- #1330: PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE test case implementation does not have roll-back procedure.

ONVIF Test Tool v.17.08

Date: 04 August 2017

Version type: 1-st Prototype release of Device Test Tool of Gumballhead project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Gumballhead project, so interested parties could verify that issues are resolved.

Gumballhead Intermediate Release
The following tickets/tasks are addressed:

- #1444 ANALYTICS-1-1-2-v.17.06 GET MOTION REGION DETECTOR RULE OPTIONS
- #1377 DTTv17.03 Rev1383: RECORDING-1-1-1-v14.12 test failed(H265 device)
- #1445 ANALYTICS-1-1-3 is not utiling the proper coordinates to create a region.
- #1346 GetStreamUri missing tests
    - All RTSS using Media2 test cases were updated with required check
- #1347 GetOSDs missing test
    - MEDIA2-6-1-5 GET OSDS
- #1365 Shouldn't have to pre-configure scheudle and accesspoint to be able to test :Create Access Profile
    - ACCESS_RULES-3-1-5 CREATE ACCESS PROFILE updated
- #1402 New test case for constancy of source list in DeviceIO and Media1
    - DEVICEIO-5-1-1 GET VIDEOSOURCES (DeviceIO) AND GET VIDEOSOURCES (Media) CONSISTENCY
- #1403 Which conditions is for supporting of tns1:Device/Trigger/Relay ?
    - Updated tests:
        - DEVICEIO-1-2-1 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (OPENED IDLE STATE)
        - DEVICEIO-1-2-2 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (CLOSED IDLE STATE)

- - - DEVICEIO-1-2-3 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE)
      - DEVICEIO-1-2-4 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE)
      - DEVICEIO-2-1-2 DEVICE IO TRIGGER EVENT
- #1404 Add test case for RemoveConfiguration with type=All
  - MEDIA2-1-1-6 REMOVE ALL CONFIGURATIONS FROM MEDIA PROFILE
- #1406 DEVICEIO-3-1-3 and DEVICEIO-3-1-4 does not have supporting of GetDigitalInputConfigurationOptions in RunIfSupported
  - Updated tests:
    - DEVICEIO-3-1-3 IOGET DIGITAL INPUT CONFIGURATION OPTIONS
    - DEVICEIO-3-1-4 IO DIGITAL INPUT CONFIGURATION
- #1330 GoToHomePosition doesn't work with a PTZ configuration added to a custom profile
  - MEDIA2_PTZ-3-1-4 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA2 PROFILE
  - PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE
- #1447 REPLAY PLAYBACK STREAMING over UDP tests fail in DTT v17.06
- #1425 Integration of test specification into DTT (partly)
  - Show test spec on GUI for each test case (if test spec is in DocBok format)
  - Help update

Known Issues and Limitations:
- #1330: PTZ-4-1-6 PTZ HOME POSITION OPERATIONS USING CUSTOM MEDIA PROFILE test case implementation does not have roll-back procedure.

Version: ONVIF Test Tool v.17.06 Release

Date: 23 June 2017

Version type: Release of Device Test Tool of Fat Tire project.

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Fat Tire project, so interested parties could verify that issues are resolved.

Fat Tire Release
The following tickets/tasks are addressed:

- #1169 DTT: Streaming over HTTPS using a Media Service 2.0 Profile
- #1183 DTT: Motion Region Detector Events
- #1250 Several Advanced Security test cases end with internal error
- #1274 Multiple event delimiter in topicExpressions
  - BASIC NOTIFICATION INTERFACE – TOPIC SUB-TREE IN PULLMESSAGES FILTER
  - BASIC NOTIFICATION INTERFACE – CONJUNCTION IN NOTIFY FILTER (TOPIC SUB-TREE AND OR OPERATION)
  - REALTIME PULLPOINT SUBSCRIPTION – TOPIC SUB-TREE IN PULLMESSAGES FILTER

- o REALTIME PULLPOINT SUBSCRIPTION – CONJUNCTION IN NOTIFY FILTER (TOPIC SUB-TREE AND OR OPERATION)
  - o Help update
- #1341 Profile S Coverage: No testcases for DynamicDNS feature
  - o Bugfix
- #1371 SetSynchronization tests need explicit setting from operator
- #1375 REPLAY-3-1-12-v16.07 PLAYBACK VIDEO STREAMING – RATECONTROL test fails in DTT v17.01
- #1376 GetCompatibleConfigurations (PTZ Service) is missed in Profile T spec
- #1414 Add applied Errata case information to xml feature list
- #1417 HTTPS streaming test cleanup process issue
- #1418 Media2_PTZ-1-1-3 moveTimeout used in PTZ tests can be reduced from PT60S to PT30S
- #1421 MEDIA-2-2-15-v14.12 VIDEO SOURCE CONFIGURATION USE COUNT
- #1440 v17.01 Discovery1-1-3 Probe failed
- #1185 DTT: Motion Region Detector Configuration
  - o ANALYTICS-1-1-4 MODIFY MOTION REGION DETECTOR RULE
- #1183 DTT: Motion Region Detector Events
  - o ANALYTICS-2-1-1 MOTION REGION DETECTOR EVENT
- #1378: question regarding xml validation of extensions
- RTSP TEARDOWN response validation:
  - o Verification that DUT sends RTSP TEARDOWN response was added into all streaming test cases.

Version: ONVIF Test Tool v.17.05 Release Candidate
Date: 26 May 2017

Version type: Release candidate of Device Test Tool of Fat Tire project.

Description: The purpose of this delivery is to provide the Release candidate version of the ONVIF Device Test Tool as part of Fat Tire project, so interested parties could verify that issues are resolved.

Fat Tire Intermediate Release
The following tickets/tasks are addressed:

- #1385 A new capability "ExemptFromAuthentication" added to credential spec, test spec update is needed
- #1392 Sending invalid values for credential identifiers (non SIMPLE_ALPHA_NUMERIC)
- #1393 Not compensating for time zone before comparing validity values
- #1412 Device-3-1-4 and Device-3-1-5 leave NTP disabled
- #843 SetSynchronizationPoint
- #1156 Test spec: Media Service 2.0, GetVideoEncoderInstances
- #1157 DTT: Media Service 2.0, GetVideoEncoderInstances
- #1257 DTT v16.10 Rev 718: Media2 PTZ Move tests improvement

- #1291 DTTv16.12 Rev 1020: MEDIA2_PTZ-4-1-1-v16.12 Test failed
- #1352 Tampering events to be supported for multiple services
- #1370 Issue with IMAGING Tests in DTT v17.01
- #1377 DTTv17.03 Rev1383: RECORDING-1-1-1-v14.12 test failed(H265 device)
- #1389 DTTv17.03 Rev 1567: Media2 features detection discrepancy
- #1390 DTTv17.04 Rev 1586: Media2 Metadata Streaming Issue with switching to IPv4/IPv6 Address
- #1407 DTT Test to be added for tns1:VideoSource/MotionAlarm
- #1413 Change Profile T label to Release Candidate
- #1415 Test tool v17.01 Imaging 1-1-8 test fails
- #1097 Discovery: HELLO interference
- #1165 DTT: Streaming Audio Backchannel using a Media Service 2.0 Profile
- #1176 Test spec: GetStatus during move
- #1177 DTT: GetStatus during move
- #1241 Generating DoC with Errata
- #1363 "5.2.3.1 VIDEO ENCODER CONFIGURATION" (MEDIA2-2-3-1) does not verify full consistency of GetVideoEncoderConfigurations
- #1374 Add a GetCapabilities and GetServices consistency test to the base tests
- #1378 question regarding xml validation of extensions (partly)
    - The schema in the DTT was updated
- #1382 Usage of 'All' value in ProfileCapabilities.ConfigurationsSupported list
- #1182 Test spec: Motion Region Detector Events
- #1184 Test spec: Motion Region Detector Configuration
- #1341 Profile S Coverage: No testcases for DynamicDNS feature
- #1343 Forum: Receiver_2_1_6v16 CreateReceiver
- #1372 Adding timestamp to test output (stdout)
- #1185 DTT: Motion Region Detector Configuration (partly)
    - ANALYTICS-1-1-1 GET SUPPORTED RULES (MOTION REGION DETECTOR)
    - ANALYTICS-1-1-2 GET MOTION REGION DETECTOR RULE OPTIONS
    - ANALYTICS-1-1-3 CREATE MOTION REGION DETECTOR RULE
- #1323 DTT: Streaming over Websocket

Version: ONVIF Test Tool v.17.04

Date: 21 April 2017

Version type: 3-rd Prototype release of Device Test Tool of Fat Tire project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Fat Tire project, so interested parties could verify that issues are resolved.

Fat Tire Intermediate Release
The following tickets/tasks are addressed:

- #1333 GetProfiles test cases
- #1388 DTTv17.03 Rev 1567: Media2 Audiobackchannel test IDs point to 17.01
- #1387 DTTv17.03 Rev 1567: Media2 Metadata Streaming Multicast tests fail
- #843 SetSynchronizationPoint
- #1025 Discovery is not interoprable when checking QName list in Types
- #1138 Profile C User Interaction Removal: Move the Door Control Blocks
- #1165 DTT: Streaming Audio Backchannel using a Media Service 2.0 Profile
- #1207 IPv6 requirement
- #1230 Suggestions for expanding tests done for event handling
- #1250 Several Advanced Security test cases end with internal error
- #1269 [EVENT-3-1-25][EVENT-2-1-24] Tests try to catch Initialized event when device does not have any property event
- #1270 [EVENT-3-1-25][EVENT-2-1-24] Currently the test cases for SetSynchronizationPoint doesn't check the command
- #1288 How to handle skipped MaximumNumberOfProfiles capability?
- #1307 MEDIA2-4-1-2-v16.12 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ failed
- #1312 Media2-2-2-5-v16.12 fails trying to modify unsupported option
- #1326 ONVIF logo change in DTT v17.06 tool and test specification documents
- #1336 Error in Management tab - Credential Identifier Values
- #1338 Use better hex numbers for SIMPLE_NUMBER16 and SIMPLE_NUMBER32
- #1344 CreateProfile containing configurations not tested
- #1349 GetAudioSources not tested
- #1353 [DISCOVERY-1-1-1] Internal error occurred
- #1366 Should not check fractional part of second in xs:dateTime type in Create Credential test
- #1367 DTTv17.03Rev 1383: Media2-3-2-1 Test failed
- #1368 DTTv17.03Rev 1383: MEDIA2-4-1-2-v17.01 test failure
- #1373 DTTv17.03 Rev 1383: Media2_RTSS-1-2-1 and Media2_RTSS-2-2-1 failed
- #1324 DTTv17.01 Rev 1131: RTSS-3-2-23-v15.06 Test fails randomly
- #1379 MPEG resolution fails (RTSS-1-1-47-v15.06 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION)
- #1359 ODTT [v17.01]: PLAYBACK VIDEO STREAMING test
- #1350 PTZ using Media2 missing tests for PositionGenericSpace
- #1362 Bugs in EVENT-3-1-28 REALTIME PULLPOINT SUBSCRIPTION – IMAGE TOO BLURRY
- #1352 Tampering events to be supported for multiple services
- #1159 DTT: Streaming Metadata using a Media Service 2.0 Profile
- #1341 Profile S Coverage: No testcases for DynamicDNS feature (patrtly)
- #1342 Profile G Coverage: No testcases for ReplayConfiguration Feature

Version: ONVIF Test Tool v.17.03
Date: 10 March 2017

Version type: 2-nd Prototype release of Device Test Tool of Fat Tire project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Fat Tire project, so interested parties could verify that issues are resolved.

Fat Tire Intermediate Release
The following tickets/tasks are addressed:

- #1136 SCHEDULE-6-1-3-v15.06 - test do not generate the correct circumstances for test to pass
- #1236 To enable the conformance mode for Profile A in DTT
- #1272 [QUICK_INSTALL-3-1-6] Tet step sequence should be changed to avoid problems with subscription time
- #1335 Bad length of event in SCHEDULE-6-1-2-v15.06 CHANGE SCHEDULE STATE - CHANGE STANDARD
- #1355 Wrong fault code in SCHEDULE-3-1-10-v15.06 CREATE SCHEDULE - NOT EMPTY SCHEDULE TOKEN
- #1356 Wrong fault code in SCHEDULE-5-1-10-v15.06 CREATE SPECIAL DAY GROUP - NOT EMPTY SPECIAL DAY GROUP TOKEN
- #1357 Wrong fault code in CREDENTIAL-3-1-11-v15.06 CREATE CREDENTIAL - NOT EMPTY CREDENTIAL TOKEN
- #1358 Internal error in SCHEDULE-8-1-1-v15.06 GET SCHEDULE AND GET SPECIAL DAY GROUP INFO LIST CONSISTENCY
- #1044 DTT: Streaming AAC Audio using a Media Service 2.0 Profile
  - Multicast Audio streaming test cases were updated according to #1297
- #1207 IPv6 requirement
- #1275 Media 2 Features discovery missing in Test Spec
- #1291 DTTv16.12 Rev 1020: MEDIA2_PTZ-4-1-1-v16.12 Test failed
- #1295 DTTv16.12 Rev1020: Media2-3-4-4 Test failure
- #1297 MEDIA2_RTSS-2-2-1-v16.12 failure
- #1305 Video streaming using Media2: DTT uses one trasport in RTSP for all test cases
- #1306 DTT incorrectly configures profile for video streaming using Media2
- #1360 Tool Crash in CREDENTIAL-1-1-2
- #1164 Test spec: Streaming Audio Backchannel using a Media Service 2.0 Profile
- #1177 DTT: GetStatus during move
- #1227 [MEDIA2-4-2-2] Test 'PASSED' when DUT doesn't have consistent Profile option for the configuration
- #1241 Generating DoC with Errata
- #1273 New Test need to be added for Media2 GovLength requirement
- #1279 [DEVICEIO-1-2-1] Detected problems in DEVICEIO-1-2-1 test case
- #1284 DTTv16.11 Rev 845: Unnecessary test step in MEDIA2-4-1-1
- #1303 5.4.2.1 Continuous Pan/Tilt velocity space test
- #1329 Xml schema validation of Device IO service is missed in the DTT
- #1345 Ready-to-use video profile test is incomplete

- #1201 Feature Suggestion: Timestamps in testlog
- #1314 Save All feature to remember last visited save location
- #1228 Requirement in wsdl regarding GetVideoEncoderConfigurationOptions is not covered by tests
- #1270 [EVENT-3-1-25][EVENT-2-1-24] Currently the test cases for SetSynchronizationPoint doesn't check the command (partly):
    - EVENT-3-1-25 REALTIME PULLPOINT SUBSCRIPTION - SET SYNCHRONIZATION
- #1230 Suggestions for expanding tests done for event handling
    - REALTIME PULLPOINT SUBSCRIPTION – PULLMESSAGES TIMEOUT
- #1240 Add Windows 10 support - Testing

Version: ONVIF Test Tool v.17.02

Date: 03 February 2017

Version type: 1-st Prototype release of Device Test Tool of Fat Tire project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Fat Tire project, so interested parties could verify that issues are resolved.

Fat Tire Intermediate Release
The following tickets/tasks are addressed:

- #1289 After uninstalling DTT leaves 62MB of cruft
- #1296 Media2 Tests to be added for Error handling and Capabilities (partly):
    - MEDIA2 SERVICE CAPABILITIES
    - GET SERVICES AND GET MEDIA2 SERVICE CAPABILITIES CONSISTENCY
- #1241 Generating DoC with Errata (partly):
    - GUI update
    - Generation DoC with errata using GUI

Version: ONVIF Test Tool v.17.01

Date: 31 January 2017

Version type: Release of Device Test Tool of Estrella project.

Description: The purpose of this delivery is to provide the Release version of the ONVIF Device Test Tool as part of Estrella project, so interested parties could verify that issues are resolved.

Estrella Release
The following tickets/tasks are addressed:

- #514 GUI Improvement: Save All button and default save filename format
    - <Model Name> was replaced with <Product name> in file names
- #1290 DTT v16.12 Rev 1020 Quick Install Select button is not working
- #1299 Profile C CrendtialToken Regression Problem

- #1301 New DTT 16.12 generates incorrect Featurelist with a wrong extension
- #1056 DTT: Device Service, Auxilliary Commands
- #1157 DTT: Media Service 2.0, GetVideoEncoderInstances
  - Bug fix
- #1292 DTT v16.12: MEDIA2-2-1-1-v16.12 internal error
- #1293 DTT v16.12: MEDIA2-2-3-4-v16.12 fails on GovLength check
- #1294 DTT v16.12: MEDIA2-2-2-5-v16.12 fails on Bounds check
- #1307 MEDIA2-4-1-2-v16.12 DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ failed
- #1111 RTSS-1-1-31 FAILS. RTSP SET_PARAMETER missing in OPTIONS response
- #950 Discovery Tests failing in IPv6 environment when Hello message are sent via link-local address
  - Help was updated
- #1181 DTT: Media Service 2.0 Video Source Mode
- #1313: All Monitoring tests failed with conformance in compact mode
- #1309: DTT Compact mode reports filenames NOT in sync with GUI format
- Tests versions were changed from 16.12 to 17.01

Version: ONVIF Test Tool v.16.12

Date: 16 December 2016

Version type: Release Candidate 2 of Device Test Tool of Estrella project.

Description: The purpose of this delivery is to provide the Release Candidate 2 version of the ONVIF Device Test Tool as part of Estrella project, so interested parties could verify that issues are resolved.

Estrella Intermediate Release
The following tickets/tasks are addressed:

- #1278 DTT 16.10 Rev 718: Media2 GetServiceCapabilities command response to be modified
- #1283 DTTv16.11 Rev 845: DTT Multicast Tests very unreliable when compared to 16.07 SR2
- #1048 DTT: DeviceIO, DigitalInput operations
  - Test cases were moved from DeviceIO/Digital Input Configuration to DeviceIO/Digital Input
  - Test case REALTIME PULLPOINT SUBSCRIPTION – DIGITAL INPUT EVENT was moved from DeviceIO/Digital Input into DeviceIO/Event section
- #1053 Compact Mode and Technical Support Information
  - Help was updated
- #1058 DTT: PTZ, Predefined Absolute PTZ Spaces
  - The following test was updated according to #1254:
    - MEDIA2_PTZ-4-1-1 ABSOLUTE PAN/TILT POSITION SPACE
- #1254 DTT v16.10 Rev 718: PTZ-7-5-4-v16.12 Test failed
  - The following test was updated:
    - MEDIA2_PTZ-4-1-1 ABSOLUTE PAN/TILT POSITION SPACE

- #1157 DTT: Media Service 2.0, GetVideoEncoderInstances
  - The following test was implemented:
    - MEDIA2-2-1-1 VIDEO ENCODER INSTANCES
- #1202 Bug in Bug in DEVICEIO-1-2-1-v16.07
  - The bug in the following test cases were fixed:
    - DEVICEIO-1-2-2 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (CLOSED IDLE STATE)
    - DEVICEIO-1-2-3 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE)
    - DEVICEIO-1-2-4 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE)
- #1260 DTT v16.10 Rev 718: MEDIA2-4-4-1-v16.12 Create Text OSD failure
  - The following test cases were updated:
    - MEDIA2-6-1-1 CREATE OSD CONFIGURATION FOR TEXT OVERLAY
    - MEDIA2-6-1-4 SET OSD CONFIGURATION TEXT OVERLAY
- #1265 DTT v 16.10 Rev 718: Media2 tests grouping enhancement
- #1281 DTTv16.11 Rev 845 MEDIA2-7-1-5-v16.12 Test failure
  - The following test cases were updated:
    - MODIFY ALL SUPPORTED AUDIO OUTPUT CONFIGURATIONS
    - MODIFY ALL SUPPORTED AUDIO SOURCE CONFIGURATIONS
    - MODIFY ALL SUPPORTED AUDIO DECODER CONFIGURATIONS
- #1163 DTT: Media Service 2.0, Audio Output and Decoder Configuration
  - The following test case was implemented:
    - MODIFY ALL SUPPORTED AUDIO DECODER CONFIGURATIONS
- #1175 DTT: Media Service 2.0, PTZ Configuration
  - The following test case was implemented:
    - DYNAMIC MEDIA PROFILE CONFIGURATION FOR PTZ
- #1221 The event for RelayOutput had better test more detail
  - The following test case were updated:
    - DEVICEIO-1-2-1 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (OPENED IDLE STATE)
    - DEVICEIO-1-2-2 IO SETRELAYOUTPUTSTATE – BISTABLE MODE (CLOSED IDLE STATE)
    - DEVICEIO-1-2-3 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (OPENED IDLE STATE)
    - DEVICEIO-1-2-4 IO SETRELAYOUTPUTSTATE – MONOSTABLE MODE (CLOSED IDLE STATE)
- #1225 [MEDIA2-4-2-2] Internal error when device sends valid responses
- #1226 [MEDIA2-4-2-2] Internal error when DUT doesn't have consistent RateControl option for the configuration
- #1233 RECORDING-2-1-31-v14.12 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - MEDIA PROFILE failed

- #1258 DTT crash when testing G726 BACKCHANNEL
- #1266 MEDIA2-4-2-4-v16.07 not all configurations are retored
- #1282 issue with MEDIS2-4-1-2-v16.12 CREATE MEDIA PROFILE WITH PRE DEFINED CONFIG
- #1161 DTT: Media Service 2.0, Audio Source Configuration
  - The following test case was implemented:
    - MODIFY ALL SUPPORTED AUDIO SOURCE CONFIGURATIONS
- #1171 DTT: Media Service 2.0, Configuration Events
  - The following test cases were updated in the DTT:
    - MEDIA2-1-1-3-v16.12 DYNAMIC MEDIA PROFILE CONFIGURATION
    - MEDIA2-2-3-4-v16.12 SET ALL SUPPORTED VIDEO ENCODER CONFIGURATIONS
    - MEDIA2-3-2-1-v16.12 G.711 AUDIO ENCODER CONFIGURATION
    - MEDIA2-3-2-2-v16.12 AAC AUDIO ENCODER CONFIGURATION
    - MEDIA2-3-1-5-v16.12 MODIFY ALL SUPPORTED AUDIO SOURCE CONFIGURATIONS
- The following test cases were updated with fixing of bugs found during internal review:
  - MEDIA2_PTZ-4-1-1 ABSOLUTE PAN/TILT POSITION SPACE
  - MEDIA2_PTZ-4-2-1 CONTINUOUS PAN/TILT VELOCITY SPACE
  - MEDIA2_PTZ-4-2-2 GENERIC ZOOM VELOCITY SPACE
  - MEDIA2_PTZ-3-1-2 PTZ HOME POSITION OPERATIONS (FIXED) USING MEDIA2 PROFILE

Version: ONVIF Test Tool v.16.11

Date: 25 November 2016

Version type: Release Candidate of Device Test Tool of Estrella project.

Description: The purpose of this delivery is to provide the Release Candidate version of the ONVIF Device Test Tool as part of Estrella project, so interested parties could verify that issues are resolved.

Estrella Intermediate Release
The following tickets/tasks are addressed:

- #514 GUI Improvement: Save All button and default save filename format (partly)
  - Only new button uses new file names templates
- #1126 Wrong iCal format in SCHEDULE-3-1-5-v15.06
- #1130 CREDENTIAL-5-1-3-v15.06 tries to create a credential without identifier value
- #1136 SCHEDULE-6-1-3-v15.06 - test do not generate the correct circumstances for test to pass
- #1276 RTSS-1-1-46(JPEG Extension: Width|Height over 2040) on test tool v16.01_SR1(rev480) and v16.07_SR1(rev581) fails
- #1278 DTT 16.10 Rev 718: Media2 GetServiceCapabilities command response to be modified (partly)
  - Only GetServiceCapabilities was updates
- #1033 ONVIF DTT v15.12 rev391 incompatible with V15.06
- #1056 DTT: Device Service, Auxilliary Commands

- #1124 Wrong fault code in ACCESS_RULES-3-1-11-v15.06 (v 16.01)
- #1127 TimeRange must be in local time
- #1128 Wrong fault expected in SCHEDULE-3-1-12-v15.06
- #1173 DTT: Media Service 2.0 ready-to-use profile for PTZ
- #1202 Bug in Bug in DEVICEIO-1-2-1-v16.07
- #1203 Not possible for a Profile S device that does not have PTZ out-of-the-box to conform against both S and Q
- #1248 Conditional Features in DoC
- #1254 DTT v16.10 Rev 718: PTZ-7-5-4-v16.12 Test failed
- #1256 DTT v16.10 Rev 718: Media2 Audio RTSP streaming tests failed
- #1259 DTT v16.10 Rev 718: MEDIA2-4-2-3-v16.07 DTT Tool Internal Error
- #1261 DTT v16.10 Rev 718: SetOSD for text failure
- #1280 DTT v16.07 SR2 Test cases throws error message Access Point, Access Area & Rules
- #934 Auxiliary command parser broken in DEVICE-1-1-19 ?
- #1018 [v15.06] RTSS-6-1-3 backchannel RTP-Unicast/RTSP/TCP
- #1020 Investigate if tools sends G.711 uLaw sample file
- #1025 Discovery is not interoprable when checking QName list in Types
- #1123 TestTool.Installer_v16.05_rev508: ONVIF DTT RTSS-1-1-42-Output Logs Discrepancy
- #1167 DTT: Media Service 2.0, GetSnapshotUri
- #1242 DTT support for NEW product database model on ONVIF website
- #1243 Add or trigger a popup to ask for administrator rights
- #1255 DTT v16.10 Rev 718: Test IDs NOT matching with the IDs in test specification
- #1258 DTT crash when testing G726 BACKCHANNEL
- #1155 DTT: Media Service 2.0, Video Source Configuration
- #1171 DTT: Media Service 2.0, Configuration Events (partly)
  - MEDIA2-4-1-2-v16.12 CREATE MEDIA PROFILE WITH PRE-DEFINED CONFIGURATION
  - MEDIA2-5-1-5-v16.12 MODIFY ALL SUPPORTED VIDEO SOURCE CONFIGURATIONS
- #1181 DTT: Media Service 2.0 Video Source Mode
- #996   small bug in EVENT-3-1-15v14.12
- #1163 DTT: Media Service 2.0, Audio Output and Decoder Configuration (partly)
  - MEDIA2-7-1-1-v16.12 GET AUDIO OUTPUT CONFIGURATION OPTIONS
  - MEDIA2-7-1-2-v16.12 GET AUDIO OUTPUT CONFIGURATIONS
  - MEDIA2-7-1-3-v16.12 AUDIO OUTPUT CONFIGURATIONS AND AUDIO OUTPUT CONFIGURATION OPTIONS CONSISTENCY
  - MEDIA2-7-1-4-v16.12 PROFILES AND AUDIO OUTPUT CONFIGURATIONS CONSISTENCY
  - MEDIA2-7-1-5-v16.12 MODIFY ALL SUPPORTED AUDIO OUTPUT CONFIGURATIONS
  - MEDIA2-7-1-6-v16.12 GET AUDIO OUTPUT CONFIGURATIONS – INVALID TOKEN
  -
  - MEDIA2-8-1-1-v16.12 GET AUDIO DECODER CONFIGURATION OPTIONS
  - MEDIA2-8-1-2-v16.12 GET AUDIO DECODER CONFIGURATIONS
  - MEDIA2-8-1-3-v16.12 PROFILES AND AUDIO DECODER CONFIGURATIONS CONSISTENCY
  - MEDIA2-8-1-5-v16.12 GET AUDIO DECODER CONFIGURATIONS – INVALID TOKEN

Version: ONVIF Test Tool v.16.10

Date: 28 October 2016

Version type: 2-nd Prototype release of Device Test Tool of Estrella project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Estrella project, so interested parties could verify that issues are resolved.

Estrella Intermediate Release

The following tickets/tasks are addressed:

- #1046 DTT: Media Service 2.0, Audio Encoder Configuration
  - MEDIA2-4-3-1-v16.12 G.711 AUDIO ENCODER CONFIGURATION
  - MEDIA2-4-3-2-v16.12 AAC AUDIO ENCODER CONFIGURATION
- #1048 DTT: DeviceIO, DigitalInput operations
  - DEVICEIO-3-1-1-v16.12 GETDIGITALINPUTS
  - DEVICEIO-3-1-2-v16.12 GETDIGITALINPUTS – VERIFY QUANTITY
  - DEVICEIO-3-1-3-v16.12 I/O GET DIGITAL INPUT CONFIGURATION OPTIONS
  - DEVICEIO-3-1-4-v16.12 I/O DIGITAL INPUT CONFIGURATION
- #1037 DTT: Media Service 2.0, OSD feature
  - MEDIA2-4-4-3-v16.12 SET OSD CONFIGURATION IMAGE OVERLAY
  - MEDIA2-4-4-4-v16.12 SET OSD CONFIGURATION TEXT OVERLAY
- #1051 DTT: PTZ, Move commands using a Media Service 2.0 Profile
  - PTZ-3-2-1-v16.12 PTZ ABSOLUTE MOVE USING MEDIA2 PROFILE
  - PTZ-3-2-2-v16.12 PTZ CONTINUOUS MOVE USING MEDIA2 PROFILE
  - PTZ-3-2-3-v16.12 PTZ CONTINUOUS MOVE & STOP USING MEDIA2 PROFILE
- #1063 DTT: PTZ, Preset and Home Position commands using a Media Service 2.0 Profile
  - PTZ-3-2-4-v16.12 PTZ SET AND GET PRESET USING MEDIA2 PROFILE
  - PTZ-3-2-5-v16.12 PTZ GOTO PRESET USING MEDIA2 PROFILE
  - PTZ-4-2-3-v16.12 PTZ REMOVE PRESET USING MEDIA2 PROFILE
  - PTZ-5-2-1-v16.12 PTZ HOME POSITION OPERATIONS (CONFIGURABLE) USING MEDIA2 PROFILE
  - PTZ-5-2-2-v16.12 PTZ HOME POSITION OPERATIONS (FIXED) USING MEDIA2 PROFILE
  - PTZ-5-2-3-v16.12 PTZ – HOME POSITION OPERATIONS (USAGE OF FIXEDHOMEPOSITION FLAG) USING MEDIA2 PROFILE
- #1058 DTT: PTZ, Predefined Absolute PTZ Spaces
  - PTZ-7-5-4-v16.12 PTZ ABSOLUTE POSITION SPACES ABSOLUTE PAN/TILT
  - PTZ-7-6-4-v16.12 PTZ CONTINUOUS VELOCITY SPACES CONTINUOUS PAN/TILT
- #1245 [Proposal][MEDIA2-4-4-2] Change step with checking of fields in created OSD
  - The following test were changed:
    - MEDIA2-4-4-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY

- #1232 [MEDIA2-4-3-*] What Bitrate and SampleRate values should be used in SetAudioEncoderConfiguration when DUT sends empty BitrateList list or SampleRateList list in Options?
  - The following test were changed:
    - MEDIA2-4-3-1 G.711 AUDIO ENCODER CONFIGURATION
    - MEDIA2-4-3-2 AAC AUDIO ENCODER CONFIGURATION
- #1155 DTT: Media Service 2.0, Video Source Configuration (partially)
  - MEDIA2-5-1-1-v16.12 GET VIDEO SOURCE CONFIGURATION OPTIONS
  - MEDIA2-5-1-2-v16.12 GET VIDEO SOURCE CONFIGURATIONS
  - MEDIA2-5-1-3-v16.12 VIDEO SOURCE CONFIGURATIONS AND VIDEO SOURCE CONFIGURATION OPTIONS CONSISTENCY
- #1197 [Annex A.14] Error report for ONVIF DTTv16.01 RTSS-1-1-27,28,29,30
  - The tollowing test cases were changed:
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES) (ALL VIDEO SOURCE CONFIGURATIONS)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
    - MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)

Version: ONVIF Test Tool v.16.09

Date: 23 September 2016

Version type: 1-nd Prototype release of Device Test Tool of Estrella project.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Estrella project, so interested parties could verify that issues are resolved.

Estrella Intermediate Release

The following tickets/tasks are addressed:

- #1053 Compact Mode and Technical Support Information
- # 1084 Profile Q Testing Preparation 1-1-1 v15.06 Hard Factory Reset - Step 7 - previous IP address is used for further steps
- # 1204 RecordingToken problem when running in Compact Mode
- # 1222 Profile Q missing from Feature List
- # 1223 Device Mangement I/O tests missing
- # 1065 DTT: Imaging, SetImagingSettings additional features
- # 1220 Error in deserializing body : ONVIF DTTv16.07 GetVideoEncoderConfigurationOptions
- # 1200 Recording Control tests fail in Compact Mode
- # 991 About the case RTSS-1-1-47-v15.06 of ODTT15.06
- # 1037 DTT: Media Service 2.0, OSD feature (partially):
    - MEDIA2-4-4-1 CREATE OSD CONFIGURATION FOR TEXT OVERLAY
    - MEDIA2-4-4-2 CREATE OSD CONFIGURATION FOR IMAGE OVERLAY
- # 1235 [Proposal][IMAGING-1-1-15] IMAGING COMMAND SETIMAGINGSETTINGS ADDITIONAL FEATURES

Version: ONVIF Test Tool v.16.07 SR2

Date: 20 September 2016

Version type: The second Service Release of the ONVIF Device Test Tool 16.07 as part of the ESTRELLA project.

Description: The purpose of this delivery is to provide the second Service Release version of the ONVIF Device Test Tool 16.07 as part of Estrella project, so interested parties could verify that issues are resolved.

ONVIF Device Test Tool v16.07 SR2 Release

The following tickets/tasks are addressed:

- #1223   Device Mangement I/O tests missing
- #1222 Profile Q missing from Feature List

Version: ONVIF Test Tool v.16.07 SR1

Date: 8 August 2016

Version type: The final delivery of the ONVIF Device Test Tool as part of the DUVEL project.

Description: The purpose of this delivery is to provide the final version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Release

The following tickets/tasks are addressed:

- #1092 IPCONFIG test cases and IPv6 address
- #1194 TestTool.Installer_16.06_rev530: IPv4 Mulicast tests RTSS-1-2-20 & RTSS-2-2-9 fail
- #1192 IPv6 restore seem to be missing in test cases.
- #1040 DTT: DeviceIO, RelayOutput operations
- #1189 tests DEVICE-3-1-13, DEVICE-3-1-14 and DEVICE-3-1-15 fail because of required autehtication
- #1188 Bug in QUICK_INSTALL-3-1-4v16.01 , QUICK_INSTALL-3-1-6v16.01 and QUICK_INSTALL-3-1-7v16.01
- #1199 Devices with Profile S only support (without GetServices command support) will fail conformance on feature definition part
- #1066 REPLAY-3-1-13 PLAYBACK VIDEO STREAMING – IMMEDIATE HEADER Failed
- #1190 Remove "Remote User Management" from Profile Q DoC features

Version: ONVIF Test Tool v.16.06 rev525 Release Candidate

Date: 24 June 2016

Version type: Release candidate of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release
The following tickets/tasks are addressed:

- #1110 Fixed
- #889   Solution provided
- #1115 Fixed
- #1116 Fixed
- #935   Fixed
- #1190 Implemented. User Management removed from profile Q
- #1139 Profile Q and Advanced Security decoupled
- #1052 Fixed REPLAY-3-1-12 two RTSP PLAY within the same session
- #1038 Tests moved into "DeviceIO" -> "Relay Output" and "Digital Input"
- #1118 Fixed Quick_Install-4-1-1-v16.01 Firmware Upload Test failed
- #1120 Removed optional Public Key

#1092 Solution provided

Version: ONVIF Test Tool v.16.06 rev512

Date: 3 June 2016

Version type: 3-rd Prototype release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- #1040 Implemented
- #1117 fixed
- #1092 solution provided

Version: ONVIF Test Tool v.16.05 rev508

Date: 20 May 2016

Version type: 3-rd Prototype release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

The following tickets/tasks are addressed:

- #1111 Fixed RTSS-1-1-31 FAILS. RTSP SET_PARAMETER missing in OPTIONS response
- #1115 Fixed TestTool.Installer_16.04_rev503: MEDIA2-5-3-8-16.06 Invalid multicast configuration input
- #1116 Fixed TestTool.Installer_16.04_rev503: MEDIA2-5-3-9-16.06 Incorrect test sequence
- #1107 Implemented first solution proposed.
- #1038 Fixed typo
- #1036 Fixed network error
- #1094 Implemented DTT 15.06 version snapshots included in DTT 16.01 Installation guide
- #935 EVENT-4-1-6 - EVENT-4-1-10 not cleaning up all subscriptions

Version: ONVIF Test Tool v.16.05 rev504

Date: 6 May 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- #1114 Fixed GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES failure
- #1108 Implemented Profile T visible and called Release Candidate in Profiles Tree
- #1107 Fixed MEDIA2-4-2-4-16.06 Test failed
- #1038 Implemented "DTT: DeviceIO events"
- #1092 Fixed "IPCONFIG test cases and IPv6 address"
- #1105 Implemented Re enabling conformance test for Profile Q

Version: ONVIF Test Tool v.16.04 rev499

Date: 25 April 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- #1109 Fixed TestTool.Installer_v16.04_rev499: RTSS-1-1-46 Test failed
- #1052 Fixed REPLAY-3-1-12 two RTSP PLAY within the same session
- #1106 Fixed IMAGING-1-1-14-v14.12 SETIMAGINGSETTINGS Test failure
- #1060 Fixed ADVANCED_SECURITY=3-2-5-v15.06 attempts to remove wrong CertificationPath
- #1090 Changed GetProfiles behavior. Now it sends Type=All parameter as it was requested.
- #1039 Test have been implemented.
- #1036 Streaming H.264 Video using a Media Service 2.0 Profile test cases have been implemented.

Version: ONVIF Test Tool v.16.04 rev499

Date: 8 April 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- #1052 – Necessary steps have been to all test cases.
- # 991 – Fixed incorrect resolution issue.

Version: ONVIF Test Tool v.16.03 rev478

Date: 25 March 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Corona Intermediate Release

The following tickets/tasks are addressed:

- #1034 – Unnecessary steps have been removed from the test Media2-4-1-3.
- #1035 – Encoding issue has been resolved.
- #1088 – Media2 Audio encoding issue has been fixed.
- #1059 - Issue with ADVANCED_SECURITY-3-2-4
- #1033 – Unnecessary messages have been removed from startup.
- #1090 – Incorrect step description has been updated.
- #1052 – (Onvif1506 lib changes) REPLAY-3-1-12 two RTSP PLAY within the same session
- #1093 - crash in SEARCH-3-1-11,13 and 14 has been fixed.

Version: ONVIF Test Tool v.16.02 rev446

Date: 11 March 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- #1034 – New test cases (Media2-4-1-1 - Media2-4-1-3) have been updated according to F2F decisions.
- #1035 – New test cases (Media2-4-2-1 - Media2-4-2-4) have been updated according to F2F decisions.
- #1090 – Incorrect tags have been fixed.
- #1087 – We believe that the issue is fixed.
- #1054 – The issue has been fixed, the proposal for this fix has been added to WUSH.
- #1059 – both issues have been fixed, but they have not been tested due to the missing device with Advanced Security.

Version: ONVIF Test Tool v.16.02 rev446

Date: 26 February 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Corona Intermediate Release

The following tickets/tasks are addressed:

- #1035 – New test cases (Media2-4-2-1 - Media2-4-2-4) have been added
- #1088 – Issue with Encoding names has been fixed.
- #1090 – The issues in the tests: MEDIA2-4-1-1, MEDIA2-4-1-2, MEDIA2-4-1-3 have been fixed.

Date: 19 February 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Corona Intermediate Release

The following tickets/tasks are addressed:

- #1032 – the issue has been fixed
- #1088 – The code which should fix the issue has been added.
- #1016 - The issue with user name and password has been fixed.

Version: ONVIF Test Tool v.16.02 rev433

Date: 12 February 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Duvel Intermediate Release

The following tickets/tasks are addressed:

- The bugfixes for common functionality for Media 2 Services.
- Updates in "Media Service 2.0 ready-to-use profile" test
- Ticket #1034 – The tests for Dynamic Media Profile configuration have been added.

Version: ONVIF Test Tool v.16.02 rev429

Date: 5 February 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Corona Intermediate Release

The following tickets/tasks are addressed:

- The bugfixes for common functionality for Media 2 Services.
- The first version of test "**Media Service 2.0 ready-to-use profile**" for ticket #1032 has been added.
- The bug fix for ticket #1024 has been added

Version: ONVIF Test Tool v.16.01 rev427

Date: 29 January 2016

Version type: Intermediate release of Device Test Tool.

Description: The purpose of this delivery is to provide the intermediate version of the ONVIF Device Test Tool as part of Duvel project, so interested parties could verify that issues are resolved.

Corona Intermediate Release

The following tickets/tasks are addressed:

- The common functionality for Profile X (Media Service 2) has been added.

Version: ONVIF Test Tool v.16.01

Date: 14th January 2016

Version type: The final delivery of the ONVIF Device Test Tool as part of the CORONA project.

Description: The purpose of this delivery is to provide the final release version of the ONVIF Device Test Tool as part of the CORONA project.

Corona Release

The following tickets/tasks are addressed:

- #1049 – Device Test Tool has been updated to use new library in the following tests:
    - RTSS-1-1-27
    - RTSS-1-1-28
    - RTSS-1-1-29
    - RTSS-1-1-30
    - RTSS-1-1-31

- The following Profile Q tests have been moved back to Diagnostic mode:
- #1016 – Correction required for PROFILEQ_TESTING_PREPARATION-1-1-1
- #1028 – Issue with "DEVICE-3-1-15 SYSTEM RESTORE - INVALID BACKUP FILE" and "QUICK_INSTALL-4-1-2 INVALID FIRMWARE UPLOAD"
- #1022 – The parameter value for SetSystemDateAndTime has been changed in tests: QUICK_INSTALL-3-1-6 and QUICK_INSTALL-3-1-6. The test QUICK_INSTALL-3-1-4 has been updated to prevent test fail even if Unsubscribe step fails.
- #989 and #1006 – The issue with HELLO message in the code has been fixed.
- #1026 – RTSS-1-1-27 to 1-1-30 AND RTSS 1-2-12 (5 Tests) failed.
- #1023 – Issue with ADVANCED_SECURITY-3-2-5 Test case
- #843 – SetSynchronizationPoint – new tests.
- #920 – Deletion of Media Profile in Annex 14 has been updated.
- #1009 – Conformance has been enabled for Profile A. The requested features have been added.
- #987 – Issue with REPLAY-3-1-11 -v15.06 I-Frames.
- #961 – QUICK_INSTALL-4-1-1v14.12 fails when firmware upload process exceeds ~90 seconds
- #998 – adapt timeout to "expected downtime" values returned by the device in SystemRestore and FirmwareUpgrade tests
- #588 - RemoteUserHandling, GetRemoteUser and SetRemoteUser have been removed from feature list.
- #982 – Step message text has been updated.
- #968 The test "DEVICE-4-1-9 SECURITY COMMAND CREATEUSERS" has been moved to conformance
- #997 – The crash in test DEVICE-3-1-13 has been fixed.
- #1005 – ADVANCED_SECURITY-1-1-2 Create RSA Key Pair - Status Using Event ERROR.
- #885 – The crash has been fixed in SEARCH-3-1-11 test.

Version: ONVIF Test Tool v.15.06

Date: 29th June 2015

Version type: The final delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the final release version of the ONVIF Device Test Tool as part of the YZAB project.

Yebisu
The following tickets/tasks are addressed:

- #828 Test Tool closes itself during test execution

Zottegems
No changes had been introduced as part of the current release into the Device Test Tool.

Known issues:

The tickets #808, #812 couldn't be verified as there is no devices supporting the required functionality.

Asahi

- The support for CHUID_FULL credential format type added, the currently supported list of the credential format types is the following:
  - WIEGAND26
  - WIEGAND37
  - WIEGAND37_FACILITY
  - FACILITY16_CARD32
  - FACILITY32_CARD32
  - FASC_N
  - FASC_N_BCD
  - FASC_N_LARGE
  - FASC_N_LARGE_BCD
  - GSA75
  - GUID
  - CHUID
  - USER_PASSWORD
  - SIMPLE_NUMBER16
  - SIMPLE_NUMBER32
  - SIMPLE_NUMBER56
  - SIMPLE_ALPHA_NUMERIC
  - ABA_TRACK2
  - CHUID_FULL

The following credential format types are not supported:

  - CBEFF_A
  - CBEFF_B
  - CBEFF_C

(Note: if a DUT supports only custom format types or the format types listed above, test operator should fill 'Credential Identifier Values' menu on the Management tab).

Bockiger Bazi

- Profile Q was moved to Release Candidate state and related test cases were moved to diagnostic mode.

Version: ONVIF Test Tool v.15.06

Date: 26th June 2015

Version type: The final delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the final release version of the ONVIF Device Test Tool as part of the YZAB project.

Yebisu

The following tickets/tasks are addressed:

- #979 RTSS-5-1-9 fails with 'Internal error occurred: Object reference not set to an instance of an object.'
- #797 Another problem with Replay Seek Test cases (Replay-3-1-17 & Replay-3-4-16)
- Help file is updated

The following tickets/tests have been migrated to the new version of Live555 engine:

- REPLAY-3-1-10
- REPLAY-3-1-11
- REPLAY-3-1-12
- REPLAY-3-1-13
-
- REPLAY-3-2-1
- REPLAY-3-2-2
- REPLAY-3-2-3
- REPLAY-3-2-4
- REPLAY-3-2-10
- REPLAY-3-2-11
- REPLAY-3-2-12
- REPLAY-3-2-13
- REPLAY-3-2-14
- REPLAY-3-2-15
- REPLAY-3-2-16
-
- REPLAY-3-3-1
- REPLAY-3-3-2
- REPLAY-3-3-3
- REPLAY-3-3-4
- REPLAY-3-3-5
- REPLAY-3-3-6
- REPLAY-3-3-7
- REPLAY-3-3-10
- REPLAY-3-3-11
- REPLAY-3-3-12
- REPLAY-3-3-13
- REPLAY-3-3-14
- REPLAY-3-3-15

- REPLAY-3-3-16
-
- REPLAY-3-4-1
- REPLAY-3-4-2
- REPLAY-3-4-3
- REPLAY-3-4-4
- REPLAY-3-4-10
- REPLAY-3-4-11
- REPLAY-3-4-12
- REPLAY-3-4-13
- REPLAY-3-4-14
- REPLAY-3-4-15
- REPLAY-3-4-16

Known issues

- #987 YZAB150624 Release - Issue with REPLAY-3-1-11 -v15.06 I-Frames
- #828 Test Tool closes itself during test execution
- Video stream window does not appear in Replay test cases with update live555

Zottegems
No changes had been introduced as part of the current release into the Device Test Tool.

Known issues:

The tickets #808, #812 couldn't be verified as there is no devices supporting the required functionality.

Asahi
The following tickets/tasks have been addressed as part of the official Test Tool release:

- Internal bugfixes related to the support of credential format types.

Known issues:

Test tool does not support the following credential format types:

- CHUID_FULL
- CBEFF_A
- CBEFF_B
- CBEFF_C

(Note: if a DUT supports only custom format types or the format types listed above, test operator should fill 'Credential Identifier Values' menu on the Management tab).

Bockiger Bazi

No changes had been introduced as part of the current release into the Device Test Tool.

Version: ONVIF Test Tool v. YZAB.150619

Date: 19th June 2015

Version type: The Release Candidate delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the Release Candidate delivery of the ONVIF Device Test Tool as part of the YZAB project, please see the release notes below for the details.

Yebisu

The following tickets/tests have been addressed as part of the official Test Tool release:

- #915: 15.04 Prototype - PTZ 4-1-6v14.12 requires optional PTZPosition element in PTZPreset
- #916: 15.04 Prototype - PTZ 4-1-4v15.06 requires optional PTZPosition element in PTZPreset
- #968 Issue with DEVICE-4-1-9 SECURITY COMMAND CREATEUSERS
- #508: Audio Backchannel test cases (medium priority cases had been implemented)
- Live555 version was updated with the following test cases implementation:
    - RTSS-1-2-19-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
    - RTSS-1-2-20-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
    - RTSS-2-2-9-v14.12 AUDIO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
    - RTSS-5-1-11-v14.12 START AND STOP MULTICAST STREAMING – G.726 (IPv4, ONLY AUDIO PROFILE)
    - RTSS-5-1-12-v14.12 START AND STOP MULTICAST STREAMING – AAC (IPv4, ONLY AUDIO PROFILE)
    - REPLAY-3-1-1   PLAYBACK VIDEO STREAMING – CONTROL MESSAGES
    - 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 – RTP-Unicast/RTSP/HTTP/TCP
    - REPLAY-3-1-7   REVERSE PLAYBACK VIDEO STREAMING – RTP/RTSP/TCP
    - 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
- #550 Internal error in test case RTSS 5.1.12
- #721 Issue with 3-1-17 - PLAYBACK VIDEO STREAMING - SEEK
- #797 Another problem with Replay Seek Test cases (Replay-3-1-17 & Replay-3-4-16)
- #887 RTSS-3-1-10 RTSS-3-1-11 Test Fail issue
- #915 15.04 Prototype - PTZ 4-1-6v14.12 requires optional PTZPosition element in PTZPreset
- #916 15.04 Prototype - PTZ 4-1-4v15.06 requires optional PTZPosition element in PTZPreset

- #923 GetScopes has one more unnecessary "\n" in HTTP header.
- #962 Audio & Video Streaming testcases sometimes fail
- #968 Issue with DEVICE-4-1-9 SECURITY COMMAND CREATEUSERS (test moved to diagnostic)

Known issues:
- Remaining Replay cases are not migrated to the new Live 555 version (except for the ones mentioned above).
- Help file needs certain updates
- Video stream window does not appear in Replay tets cases with update live555
- There is a bug with 0 frames in some RTSS IPv6 test cases. All these test cases are in diagnostic mode.

Zottegems

The following tickets/tests have been addressed as part of the official Test Tool release:

- #971 Hide the 802.1x test case from june release
- #953 GetPrivateKeyStatus deprecated
- #807 Replace certification path validation policy assignment
- #812 Verify CRL processing with on-device RSA key pair
- #931 Advanced_Security-3-2-4
- #808 Verify TLS client authentication – self-signed TLS server certificate with on-device RSA key pair
- #798 Configure IEEE 802.1X Configuration
- #963 Test Specification Annex A.2
- A number of tickets moved to conformance as agreed with the workgroup (documented in Zottengems.xlsx)

Known issues

- The tickets #808, #812 couldn't be verified as there is no devices supporting the required functionality

Asahi

The following tickets/tests have been addressed as part of the official Test Tool release:

- #912: [Schedule Test Spec] Schedule State positive test development
- #952: [ScheduleTest Spec] GetScheduleInfo and GetSchedules negative test development
- #956: [Schedule Test Spec] GetSpecialDayGroupInfo and GetSpecialDayGroups negative test development
- #957: [Schedule Test Spec] CreateSpecialDayGroup, ModifySpecialDayGroup and DeleteSpecialDayGroup negative test development
- #959 [Schedule Test Spec] Consistency test development
- #958: [Schedule Test Spec] ScheduleState negative test development
- #954 [Schedule Test Spec] CreateSchedule, ModifySchedule and DeleteSchedule negative test development

- #953: GetPrivateKeyStatus deprecated
- #978: (include check if AccessControl service is supported)
- #975: (include check if Antipassback supported)
- #977 Error in CREDENTIAL-3-1-5-v15.06 CREATE CREDENTIAL (ENABLED)
- #969 YZAB: Project Asahi, to include Profile A in the diagnostic mode tree in the DTT
- Ticket #862 CREDENTIAL-3-1-5 v14.12 CREATE CREDENTIAL stops after step 19 is fixed (the failure was due to poor support of SIMPLE_NUMBER32 format type)
  The following FormatTypes are now supported:
    - WIEGAND26
    - WIEGAND37
    - WIEGAND37_FACILITY
    - FACILITY16_CARD32
    - FACILITY32_CARD32
    - FASC_N
    - FASC_N_LARGE
    - GUID
    - USER_PASSWORD
    - SIMPLE_NUMBER16
    - SIMPLE_NUMBER32
    - SIMPLE_NUMBER56
    - SIMPLE_ALPHA_NUMERIC
  The following FormatTypes are not supported:
    - FASC_N_BCD
    - FASC_N_LARGE_BCD
    - GSA75
    - CHUID
    - CHUID_FULL
    - CBEFF_A
    - CBEFF_B
    - CBEFF_C
    - ABA_TRACK2

Bockiger Bazi

The changes are included into the delivery in accordance with the following tickets:
- QUICK_INSTALL are moved to conformance mode
- #960 QUICK_INSTALL-4-1-2v14.12 fails when the DUT returns HTTP status 415
- #961 QUICK_INSTALL-4-1-1v14.12 fails when firmware upload process exceeds ~90 seconds
- #972 Wrong resolution choice on RTSS-1-1-46/48
- #976 DTT YZAB.150610 does not offer conformance
- #948 post system restore message
- #947 pull point is established at Factory Default time
- #951 About Profile Q Feature
- #973 Does not invoke GetNetworkInterfaces?
- #965 Ordering of SecurityTestCases

Version: ONVIF Test Tool v. YZAB.150529

Date: 29th May 2015

Version type: The the third prototype delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the third prototype delivery of the ONVIF Device Test Tool as part of the YZAB project, please see the release notes below for the details.

Yebisu

The following tickets/tests have been addressed as part of the official Test Tool release:

- #722 v14.06 RECEIVER-2-1-16 unexpected crush
- #919 JPEG RTSS testcases failing with new Live555 update
- #949 DTT Crashes in YZAB 150508 version
- #550 Internal error in test case RTSS 5.1.12
- #641 streaming test cases fail with high jpeg resolutions - request for erratum
- #828 Test Tool closes itself during test execution
- #705 Insufficient memory to continue the execution of the program failure
- #887 RTSS-3-1-10 RTSS-3-1-11 Test Fail issue
- **The following tests are updated for the use of the new Live555** version:
  RTSS-1-1-24-v14.12 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION (ALL RESOLUTIONS)
  RTSS-1-1-25-v14.12 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION (ALL RESOLUTIONS)
  RTSS-1-1-26-v14.12 VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION (ALL RESOLUTIONS)
  RTSS-1-1-46-v14.12 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
  RTSS-1-1-47-v14.12 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION
  RTSS-1-1-48-v14.12 VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION
  RTSS-1-1-54-v14.12 MEDIA STREAMING – JPEG (RTP-Unicast/UDP, IPv6)
  RTSS-1-1-55-v14.12 MEDIA STREAMING - JPEG (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
  RTSS-1-1-56-v14.12 MEDIA STREAMING – JPEG (RTP/RTSP/TCP, IPv6)
  RTSS-1-1-57-v14.12 MEDIA STREAMING – MPEG4 (RTP-Unicast/UDP, IPv6)
  RTSS-1-1-58-v14.12 MEDIA STREAMING - MPEG4 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
  RTSS-1-1-59-v14.12 MEDIA STREAMING - MPEG4 (RTP/RTSP/TCP, IPv6)
  RTSS-1-1-60-v14.12 MEDIA STREAMING - H.264 (RTP-Unicast/UDP, IPv6)
  RTSS-1-1-61-v14.12 MEDIA STREAMING - H.264 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)
  RTSS-1-1-62-v14.12 MEDIA STREAMING - H.264 (RTP/RTSP/TCP, IPv6)
  RTSS-1-2-14-v14.12 MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv4)
  RTSS-1-2-15-v14.12 MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv4)
  RTSS-1-2-16-v14.12 MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv6)
  RTSS-1-2-17-v14.12 MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv6)
  RTSS-1-2-18-v14.12 MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv6)

RTSS-1-2-21-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv4)

RTSS-1-2-22-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6)

RTSS-2-1-37-v14.12 MEDIA STREAMING – G.711 (RTP-Unicast/UDP, IPv6)

RTSS-2-1-38-v14.12 MEDIA STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-39-v14.12 MEDIA STREAMING – G.711 (RTP/RTSP/TCP, IPv6)

RTSS-2-1-40-v14.12 MEDIA STREAMING – G.726 (RTP-Unicast/UDP, IPv6)

RTSS-2-1-41-v14.12 MEDIA STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-42-v14.12 MEDIA STREAMING – G.726 (RTP/RTSP/TCP, IPv6)

RTSS-2-1-43-v14.12 MEDIA STREAMING – AAC (RTP-Unicast/UDP, IPv6)

RTSS-2-1-44-v14.12 MEDIA STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-45-v14.12 MEDIA STREAMING – AAC (RTP/RTSP/TCP, IPv6)

RTSS-2-1-46-v14.12 AUDIO STREAMING – G.711 (RTP-Unicast/UDP, IPv6)

RTSS-2-1-47-v14.12 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-48-v14.12 AUDIO STREAMING – G.711 (RTP/RTSP/TCP, IPv6)

RTSS-2-1-49-v14.12 AUDIO STREAMING – G.726 (RTP-Unicast/UDP, IPv6)

RTSS-2-1-50-v14.12 AUDIO STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-51-v14.12 AUDIO STREAMING – G.726 (RTP/RTSP/TCP, IPv6)

RTSS-2-1-52-v14.12 AUDIO STREAMING – AAC (RTP-Unicast/UDP, IPv6)

RTSS-2-1-53-v14.12 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-2-1-54-v14.12 AUDIO STREAMING – AAC (RTP/RTSP/TCP, IPv6)

RTSS-2-2-10-v14.12 AUDIO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)

RTSS-2-2-12-v14.12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)

RTSS-2-2-13-v14.12 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv4)

RTSS-2-2-14-v14.12 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)

RTSS-2-2-15-v14.12 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv4)

RTSS-2-2-16-v14.12 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)

RTSS-3-1-19-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/UDP, IPv6)

RTSS-3-1-20-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-3-1-21-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP/RTSP/TCP, IPv6)

RTSS-3-1-22-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/UDP, IPv6)

RTSS-3-1-23-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-3-1-24-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP/RTSP/TCP, IPv6)

RTSS-3-1-25-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Unicast/UDP, IPv6)

RTSS-3-1-26-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv6)

RTSS-3-1-27-v14.12 MEDIA STREAMING – JPEG/AAC (RTP/RTSP/TCP, IPv6)

RTSS-3-2-16-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv4)

RTSS-3-2-17-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)

RTSS-3-2-18-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv4)

RTSS-3-2-19-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)

RTSS-3-2-20-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)

RTSS-3-2-21-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)

RTSS-3-2-22-v14.12 VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT PORTS

RTSS-3-2-23-v14.12 VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT ADDRESS

RTSS-5-1-7-v14.12 START AND STOP MULTICAST STREAMING – JPEG (IPv4)

RTSS-5-1-8-v14.12 START AND STOP MULTICAST STREAMING – G.711 (IPv4)

RTSS-5-1-9-v14.12 START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)

RTSS-5-1-10-v14.12 START AND STOP MULTICAST STREAMING – G.711 (IPv4, ONLY AUDIO PROFILE)

- Message timeout which was used as timeout for waiting for frames was changed to Operation delay timeout
- #508: Audio Backchannel test cases
  The following new test cases were implemented:
    - BACKCHANNEL – G.711 (RTP-Unicast/UDP) IPv4
    - BACKCHANNEL – G.711 (RTP-Unicast/RTSP/HTTP/TCP) IPv4
    - BACKCHANNEL – G.711 (RTP/RTSP/TCP) IPv4
    - BACKCHANNEL – G.726 (RTP- Unicast /UDP) IPv4
    - BACKCHANNEL – G.726 (RTP- Unicast/RTSP/HTTP/TCP) IPv4
    - BACKCHANNEL – G.726 (RTP/RTSP/TCP) IPv4
    - BACKCHANNEL – G.711 (RTP-Multicast/UDP) IPv4
    - BACKCHANNEL – G.726 (RTP-Multicast/UDP) IPv4

  Only BACKCHANNEL – G.711 (RTP-Unicast/UDP) IPv4 was tests with Golden Unit.

- #918 Test case re-ordering according to AstroSoft's proposal: was implemented in the test tool

- #919 JPEG RTSS test cases failing with new Live555 update:
The problem in the declared test cases is fixed and checked with Golden units. The same problem is observed with the other test cases (please, see test list in Known issues).

- #949 DTT Crashes in YZAB 150508 version
The problem in the declared test cases is fixed and checked with Golden units.

Known issues:
The following diagnostic test cases have the problem described in #919:
RTSS-1-1-54-v14.12 MEDIA STREAMING – JPEG (RTP-Unicast/UDP, IPv6)
RTSS-1-1-60-v14.12 MEDIA STREAMING - H.264 (RTP-Unicast/UDP, IPv6)
RTSS-2-1-37-v14.12 MEDIA STREAMING – G.711 (RTP-Unicast/UDP, IPv6)
RTSS-2-1-40-v14.12 MEDIA STREAMING – G.726 (RTP-Unicast/UDP, IPv6)
RTSS-2-1-43-v14.12 MEDIA STREAMING – AAC (RTP-Unicast/UDP, IPv6)
RTSS-2-1-46-v14.12 AUDIO STREAMING – G.711 (RTP-Unicast/UDP, IPv6)
RTSS-2-1-49-v14.12 AUDIO STREAMING – G.726 (RTP-Unicast/UDP, IPv6)
RTSS-2-1-52-v14.12 AUDIO STREAMING – AAC (RTP-Unicast/UDP, IPv6)
RTSS-3-1-19-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/UDP, IPv6)
RTSS-3-1-22-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/UDP, IPv6)

RTSS-3-1-25-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Unicast/UDP, IPv6)

The following cases use the old version of Live555 engine:
RTSS-1-2-19-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
RTSS-1-2-20-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
RTSS-2-2-9-v14.12 AUDIO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
RTSS-5-1-11-v14.12 START AND STOP MULTICAST STREAMING – G.726 (IPv4, ONLY AUDIO PROFILE)
RTSS-5-1-12-v14.12 START AND STOP MULTICAST STREAMING – AAC (IPv4, ONLY AUDIO PROFILE)

Zottegems

The following tickets/tests have been addressed as part of the official Test Tool release:

- Bugfix for #822
- Updates for test ADVANCED_SECURITY-5-1-2 according tickets: #890, #891, #892
- #798 Configure IEEE 802.1X Configuration
- #803 Delete certification path validation policy
- #799 Upload CRL
- #800 Delete CRL
- #802 Get certification path validation policy
- #813 Get CRL
- #801 Create certification path validation policy

Asahi

The following tickets/tests have been addressed as part of the official Test Tool release:

- #939 [Credential Test Spec] GetAccessProfileInfo and GetCredentials negative test development
    - CREDENTIAL-2-1-5-v15.06 GET CREDENTIAL INFO WITH INVALID TOKEN
    - CREDENTIAL-2-1-6-v15.06 GET CREDENTIAL INFO - TOO MANY ITEMS
    - CREDENTIAL-3-1-9-v15.06 GET CREDENTIALS WITH INVALID TOKEN
    - CREDENTIAL-3-1-10-v15.06 GET CREDENTIALS - TOO MANY ITEMS
- #940 [Credential Test Spec] Test cases for ValiditySupportsTimeValue
    - CREDENTIAL-3-1-14-v15.06 CREATE CREDENTIAL - VALIDITY VALUES
    - CREDENTIAL-3-1-15-v15.06 MODIFY CREDENTIAL - VALIDITY VALUES
    - CREDENTIAL-6-1-2-v15.06 SET CREDENTIAL ACCESS PROFILES - ADDING NEW ACCESS PROFILE (*updated*)
    - CREDENTIAL-6-1-3-v15.06 SET CREDENTIAL ACCESS PROFILES - UPDATING ACCESS PROFILE (*updated*)
- #942 [Credential Test Spec] CreateCredential, ModifyCredential and DeleteCredential negative test development
    - CREDENTIAL-3-1-11-v15.06 CREATE CREDENTIAL - NOT EMPTY CREDENTIAL TOKEN
    - CREDENTIAL-3-1-12-v15.06 MODIFY CREDENTIAL WITH INVALID TOKEN
    - CREDENTIAL-3-1-13-v15.06 DELETE CREDENTIAL WITH INVALID TOKEN

- #943 [Credential Test Spec] Credential State negative test development
  - CREDENTIAL-4-1-3-v15.06 GET CREDENTIAL STATE WITH INVALID TOKEN
  - CREDENTIAL-4-1-4-v15.06 ENABLE CREDENTIAL WITH INVALID TOKEN
  - CREDENTIAL-4-1-5-v15.06 DISABLE CREDENTIAL WITH INVALID TOKEN
- #944 [Credential Test Spec] ResetAntipassbackViolations negative test development
  - CREDENTIAL-7-1-2-v15.06 RESET ANTIPASSBACK VIOLATIONS WITH INVALID TOKEN
- #945: [Credential Test Spec] CredentialIdentifier negative test development
  - CREDENTIAL-5-1-6-v15.06 GET CREDENTIAL IDENTIFIERS WITH INVALID TOKEN
  - CREDENTIAL-5-1-7-v15.06 SET CREDENTIAL IDENTIFIER WITH INVALID TOKEN
  - CREDENTIAL-5-1-8-v15.06 DELETE CREDENTIAL IDENTIFIER WITH INVALID CREDENTIAL TOKEN
  - CREDENTIAL-5-1-9-v15.06 DELETE CREDENTIAL IDENTIFIER WITH INVALID IDENTIFIER TYPE
  - CREDENTIAL-5-1-10-v15.06 DELETE CREDENTIAL IDENTIFIER - MIN IDENTIFIERS PER CREDENTIAL
- #946: [Credential Test Spec] CredentialAccessProfiles negative test development
  - CREDENTIAL-6-1-5-v15.06 GET CREDENTIAL ACCESS PROFILES WITH INVALID TOKEN
  - CREDENTIAL-6-1-6-v15.06 SET CREDENTIAL ACCESS PROFILES WITH INVALID CREDENTIAL TOKEN
  - CREDENTIAL-6-1-7-v15.06 DELETE CREDENTIAL ACCESS PROFILES WITH INVALID CREDENTIAL TOKEN
- #882 [Access RulesTest Spec] Get Access Profile Info negative test development
  - ACCESS_RULES-2-1-5-v15.06 GET ACCESS PROFILE INFO WITH INVALID TOKEN
  - ACCESS_RULES-2-1-6-v15.06 GET ACCESS PROFILE INFO - TOO MANY ITEMS
- #883 [Access RulesTest Spec] Get Access Profile negative test development
  - ACCESS_RULES-3-1-9-v15.06 GET ACCESS PROFILES WITH INVALID TOKEN
  - ACCESS_RULES-3-1-10-v15.06 GET ACCESS PROFILES - TOO MANY ITEMS
- #936 [Access RulesTest Spec] CreateAccessProfile negative test development
  - ACCESS_RULES-3-1-11-v15.06 CREATE ACCESS PROFILE - NOT EMPTY ACCESS PROFILE TOKEN
  - ACCESS_RULES-3-1-12-v15.06 CREATE ACCESS PROFILE - MULTIPLE SCHEDULES NOT SUPPORTED
- #937 [Access RulesTest Spec] DeleteAccessProfile negative test development
  - ACCESS_RULES-3-1-14-v15.06 DELETE ACCESS PROFILE WITH INVALID TOKEN
- #938 [Access RulesTest Spec] ModifyAccessProfile negative test development
  - ACCESS_RULES-3-1-13-v15.06 MODIFY ACCESS PROFILE WITH INVALID TOKEN
- #903 Features for profile A:
  - Schedule features were implemented in the test tool
  - Run conditions were added into all profile A test cases
- #912 [Schedule Test Spec] Schedule State positive test development
  - CHANGE SCHEDULE STATE - CHANGE STANDART
  - CHANGE SCHEDULE STATE - CHANGE SPECIAL DAYS

Bockiger Bazi

The changes are included into the delivery in accordance with the following tickets:
- #932 QUICK_INSTALL-1-1-1 HELLO - HELLO MATCH test?

#933 DEVICE-3-1-15 does not expect HTTP 415?

Version: ONVIF Test Tool v. YZAB.150508

Date: 8th May 2015

Version type: The the second prototype delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the second prototype delivery of the ONVIF Device Test Tool as part of the YZAB project, please see the release notes below for the details.

Yebisu

The following tickets/tests have been addressed as part of the official Test Tool release:

- #897 Streaming Test Cases failing with Network Error 11004
- #726 IPCONFIG-1-1-5 Link Local Address
- #893 Test tool update required for Ticket #1593
- Live555 engine update. The tests listed below are included into the delivery:
- RTSS tests (see the table below for the details)

RTSS-1-2-16-v14.12 MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-1-2-17-v14.12 MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv6)	
RTSS-1-2-18-v14.12 MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-2-2-12-v14.12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)	
RTSS-2-2-14-v14.12 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)	
RTSS-2-2-16-v14.12 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)	
RTSS-3-2-16-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919

RTSS-3-2-17-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-3-2-18-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919
RTSS-3-2-19-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-3-2-20-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919
RTSS-3-2-21-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-1-2-16-v14.12 MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-1-2-17-v14.12 MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv6)	
RTSS-1-2-18-v14.12 MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-1-2-19-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)	
RTSS-1-2-20-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)	
RTSS-1-2-21-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv4)	There's still a problem with ticket #919
RTSS-1-2-22-v14.12 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6)	There's still a problem with ticket #919
RTSS-2-2-10-v14.12 AUDIO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)	
RTSS-2-2-12-v14.12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)	
RTSS-2-2-14-v14.12 MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)	

RTSS-2-2-16-v14.12 MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)	
RTSS-2-2-9-v14.12 AUDIO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)	
RTSS-3-2-16-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919
RTSS-3-2-17-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-3-2-18-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919
RTSS-3-2-19-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-3-2-20-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv4)	There's still a problem with ticket #919
RTSS-3-2-21-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Multicast/UDP, IPv6)	There's still a problem with ticket #919
RTSS-3-2-22-v14.12 VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT PORTS	
RTSS-3-2-23-v14.12 VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT ADDRESS	
RTSS-5-1-10-v14.12 START AND STOP MULTICAST STREAMING – G.711 (IPv4, ONLY AUDIO PROFILE)	
RTSS-5-1-11-v14.12 START AND STOP MULTICAST STREAMING – G.726 (IPv4, ONLY AUDIO PROFILE)	
RTSS-5-1-7-v14.12 START AND STOP MULTICAST STREAMING – JPEG (IPv4)	
RTSS-5-1-8-v14.12 START AND STOP MULTICAST STREAMING – G.711 (IPv4)	
RTSS-5-1-9-v14.12 START AND STOP MULTICAST STREAMING – JPEG/G.711 (IPv4)	

Known issues:

- **"**There's still a problem with ticket #919 " means that one of our test cameras doesn't show video in Test Tool and fails tests by timeout (with any Message Timeout).
- One of our test cameras doesn't show video in almost all tests, but doesn't fail tests.
- Other cameras show conduct similar in new and old versions of Test Tool (with live library and without it)

The following RTSS tests are included into the delivery based on the older Live555 version:
- Replay tests
- Audio backchannel tests
- RTSS-1-1-24-v14.12 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION (ALL RESOLUTIONS)
- RTSS-1-1-25-v14.12 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION (ALL RESOLUTIONS)
- RTSS-1-1-26-v14.12 VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION (ALL RESOLUTIONS)
- RTSS-1-1-27-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP)
- RTSS-1-1-28-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-1-1-29-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP)
- RTSS-1-1-30-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)
- RTSS-1-1-31-v14.12 MEDIA CONTROL – RTSP/TCP
- RTSS-1-1-32-v14.12 MEDIA STREAMING – RTSP KEEPALIVE (SET_PARAMETER)
- RTSS-1-1-33-v14.12 MEDIA STREAMING - RTSP KEEPALIVE (OPTIONS)
- RTSS-1-1-44-v14.12 SET SYNCHRONIZATION POINT - H.264
- RTSS-1-1-45-v14.12 MEDIA STREAMING – RTP-Unicast/RTSP/HTTP/TCP (LINE BREAKS IN BASE64 ENCODING)
- RTSS-1-1-46-v14.12 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
- RTSS-1-1-47-v14.12 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION
- RTSS-1-1-48-v14.12 VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION
- RTSS-1-1-49-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
- RTSS-1-1-50-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
- RTSS-1-1-51-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP/RTSP/TCP) (ALL VIDEO SOURCE CONFIGURATIONS)
- RTSS-1-1-52-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES) (ALL VIDEO SOURCE CONFIGURATIONS)
- RTSS-1-1-53-v14.12 MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)

- RTSS-1-2-12-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
- RTSS-1-2-23-v14.12 MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
- RTSS-4-1-3-v14.12 NOTIFICATION STREAMING
- RTSS-6-1-5-v15.06 BACKCHANNEL – AAC (RTP-Multicast/UDP, IPv4)
- RTSS-6-1-7-v15.06 BACKCHANNEL – AAC (RTP-Unicast/UDP, IPv4)
- RTSS-6-1-8-v15.06 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
- RTSS-6-2-1-v15.06 BACKCHANNEL – AAC (RTP/RTSP/TCP, IPv4)

Zottegems

The following tickets/tests have been addressed as part of the official Test Tool release:

- #822 CreateSelfSignedCertificate with PKCS#12
- #824 Create PKCS#10 request with PKCS#12
- #890 Add capability verification test cases for off-device key generation
- #891 Add capability verification tests for certificate-based client authentication
- #892 Add capability verification tests for IEEE 802.1X
- Feature Discovery functionality

Known issues:

- There is an issue with the check for 14.3 step of the ADVANCED_SECURITY-5-1-1 test case. MaximumNumberOfTLSCertificationPathValidationPolicies expected to be >= 2 instead of >0
- ADVANCED_SECURITY-5-1-2 NOT included in delivery
- Feature discovery: at the moment Test Tool fails GetCapabilities request when MaximumNumberOfDot1XConfigurations="0" (as there's no schema validation).

Asahi

The following tickets/tests have been addressed as part of the official Test Tool release:

- #869 [Schedule Test Spec] Get Schedule Info positive test development
- #870 [Schedule Test Spec] Get Schedule positive test development
- #894 [Schedule Test Spec] Get Capabilities Test development
- #895 [Base Test Spec] Get Services tests development for Schedule Service
- #896 [Schedule Test Spec] Get Special Day Group info positive test development
- #901 [Schedule Test Spec] Get Special Day Group positive test development
- #902 [Schedule Test Spec] Create Schedule positive test development
- #906 [Schedule Test Spec] Modify Schedule positive test development
- #907 [Schedule Test Spec] Delete Schedule positive test development
- #908 [Schedule Test Spec] Create Spesial Day Group positive test development
- #909 [Schedule Test Spec] Modify Spesial Day Group positive test development

- #910 [Schedule Test Spec] Delete Spesial Day Group positive test development
- #911 [Schedule Test Spec] Schedule Events test development
- #903 Feature discovery for Profile A, partially implemented: features for AccessRules and Credential services.

Known issues:

- [DEVICE-1-1-29] There is no schema validation
- [SCHEDULE-1-1-1] There is no schema validation
- [SCHEDULE-1-1-2] extra request GetServices
- [SCHEDULE-3-1-6] excessive GetServiceCapabilities request just before ModifySchedule
- [SCHEDULE-3-1-7][SCHEDULE-5-1-7] explanation in GetScheduleInfoList command when the removed token found can be misunderstood
- [SCHEDULE-5-1-5] Fault message is unreadable
- [SCHEDULE-5-1-5][SCHEDULE-5-1-7] GetServiceCapabilities command is not required in the test
- [SCHEDULE-6-1-1] mistape: ScheduleToken = Schedule1 is not contains items of SpecialDays
- [SCHEDULE-7-1-1] if m does not contain Source.SimpleItem item with Name = ScheduleToken, test should fail
- [SCHEDULE-7-1-1] no verification for value of item Active in Pullmessage response (also for SpecialDay)
- [SCHEDULE-7-1-1] no verification for value of item Name in Pullmessage response
- [SCHEDULE-7-1-1] no verification that state in getScheduleState is equal to corresponding data from PullMessage response
- [SCHEDULE-7-1-1] TT doesn't filter PullMessage responsed for PropertyOperation=Initialized

Bockiger Bazi

The changes are included into the delivery in accordance with the following tickets:
- #588 Profile Q Features for DoC
- #605 mandatory events testing
- #844 Hello response
- #846 IPv6 stateless autoconfiguration test to be added
- #854 Test tool creates hash for GET instead of POST
- #881 Profile Q test :HELLO waiting error
- #926 Inconsistency access policy test for SystemReboot

Version: ONVIF Test Tool v. YZAB.150410
Date: 10th April 2015

Version type: The the first prototype delivery of the ONVIF Device Test Tool as part of the YZAB project.

Description: The purpose of this delivery is to provide the first prototype delivery of the ONVIF Device Test Tool as part of the YZAB project, please see the release notes below for the details.

Yebisu
The following tickets/tests have been addressed as part of the official Test Tool release:

- #851 PTZ Preset test cases and slow moving PTZ
- #866 Change Test Case ID format for all test cases
- #550   Internal error in test case RTSS 5.1.12 (with the Live555 update)
- Live555 update (the updates cover some of the streaming tests)
    - The following tests are updated for the use of Live555:
    - RTSS-1-1-34-v14.12 MEDIA STREAMING – JPEG (RTP-Unicast/UDP)
    - RTSS-1-1-36-v14.12 MEDIA STREAMING - JPEG (RTP/RTSP/TCP)
    - RTSS-1-1-37-v14.12 MEDIA STREAMING - MPEG4 (RTP-Unicast/UDP)
    - RTSS-1-1-38-v14.12 MEDIA STREAMING - MPEG4 (RTP-Unicast/RTSP/HTTP/TCP)
    - RTSS-1-1-39-v14.12 MEDIA STREAMING - MPEG4 (RTP/RTSP/TCP)
    - RTSS-1-1-40-v14.12 SET SYNCHRONIZATION POINT - MPEG4
    - RTSS-1-1-41-v14.12 MEDIA STREAMING - H.264 (RTP-Unicast/UDP)
    - RTSS-1-1-43-v14.12 MEDIA STREAMING - H.264 (RTP/RTSP/TCP)
    - RTSS-2-1-19-v14.12 MEDIA STREAMING – G.711 (RTP-Unicast/UDP)
    - RTSS-2-1-21-v14.12 MEDIA STREAMING – G.711 (RTP/RTSP/TCP)
    - RTSS-2-1-22-v14.12 MEDIA STREAMING – G.726 (RTP-Unicast/UDP)
    - RTSS-2-1-23-v14.12 MEDIA STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP)
    - RTSS-2-1-24-v14.12 MEDIA STREAMING – G.726 (RTP/RTSP/TCP)
    - RTSS-2-1-25-v14.12 MEDIA STREAMING – AAC (RTP-Unicast/UDP)
    - RTSS-2-1-27-v14.12 MEDIA STREAMING – AAC (RTP/RTSP/TCP)
    - RTSS-2-1-28-v14.12 AUDIO STREAMING – G.711 (RTP-Unicast/UDP)
    - RTSS-2-1-30-v14.12 AUDIO STREAMING – G.711 (RTP/RTSP/TCP)
    - RTSS-2-1-31-v14.12 AUDIO STREAMING – G.726 (RTP-Unicast/UDP)
    - RTSS-2-1-32-v14.12 AUDIO STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP)
    - RTSS-2-1-33-v14.12 AUDIO STREAMING – G.726 (RTP/RTSP/TCP)
    - RTSS-2-1-34-v14.12 AUDIO STREAMING – AAC (RTP-Unicast/UDP)
    - RTSS-2-1-36-v14.12 AUDIO STREAMING – AAC (RTP/RTSP/TCP)
    - RTSS-2-2-11-v14.12 MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv4)
    - RTSS-3-1-10-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/UDP)
    - RTSS-3-1-11-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/RTSP/HTTP/TCP)
    - RTSS-3-1-12-v14.12 MEDIA STREAMING – JPEG/G.711 (RTP/RTSP/TCP)
    - RTSS-3-1-13-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/UDP)
    - RTSS-3-1-14-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/RTSP/HTTP/TCP)
    - RTSS-3-1-15-v14.12 MEDIA STREAMING – JPEG/G.726 (RTP/RTSP/TCP)
    - RTSS-3-1-16-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Unicast/UDP)

- - RTSS-3-1-17-v14.12 MEDIA STREAMING – JPEG/AAC (RTP-Unicast/RTSP/HTTP/TCP)
  - RTSS-3-1-18-v14.12 MEDIA STREAMING – JPEG/AAC (RTP/RTSP/TCP)
  - RTSS-5-1-12-v14.12 START AND STOP MULTICAST STREAMING – AAC (IPv4, ONLY AUDIO PROFILE)
    - RTSS-5-1-7-v14.12 START AND STOP MULTICAST STREAMING – JPEG (IPv4)

Known issues:

- The following tests still have some questions with their behavior, so they should be run in diagnostic mode only:
- RTSS-1-1-35-v14.12 MEDIA STREAMING - JPEG (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-1-1-42-v14.12 MEDIA STREAMING - H.264 (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-1-2-13-v14.12 MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv4)
- RTSS-2-1-20-v14.12 MEDIA STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-2-1-26-v14.12 MEDIA STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-2-1-29-v14.12 AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)
- RTSS-2-1-35-v14.12 AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)

Zottegems

The following tickets/tests have been addressed as part of the official Test Tool release:

- #794 Adapt ADVANCED_SECURITY-5-1-1 to modified capability-implied requirements
- #795 Add RSA key generation prereq to self-signed certificate related test cases
- #796 Add RSA key generation prereq to PKCS10 related test cases
- #818 Correct signature algorithm parameter in create self signed certificate test cases
- #819 Correct signature algorithm parameter in create PKCS10 CSR test cases
- #826 Basic TLS Handshake with Replace Server Certification Path and PKCS#12
- #863 Relax restrictions on IDs in Advanced Security Service
- #867 Upload PKCS12 - verify key and certificate

Asahi

Asahi (Test Tool):

Done:

- Included changes in accordance with the following tickets:
  - #834, 835, #836, #837, #838, #839, #840, #841, #845, #847, #848, #849, #850, #855, #856, #857, #858, #859, #861, #869, #870, #872, #873, #875, #876, #877, #878, #879, #880, #882, #883, #884
- #862: partial implementation within the ticket #880
- The following test cases were updated:
  ACCESS_RULES-3-1-5 CREATE ACCESS PROFILE
  ACCESS_RULES-3-1-6 CREATE ACCESS PROFILE - EMPTY ACCESS PROFILE TOKEN
  ACCESS_RULES-3-1-7 MODIFY ACCESS PROFILE
  ACCESS_RULES-3-1-8 DELETE ACCESS PROFILE

CREDENTIAL-1-1-1 CREDENTIAL SERVICE CAPABILITIES
CREDENTIAL-1-1-2 GET SERVICES AND GET CREDENTIAL SERVICE CAPABILITIES CONSISTENCY

CREDENTIAL-3-1-1 GET CREDENTIALS
CREDENTIAL-3-1-5 CREATE CREDENTIAL (ENABLED)
CREDENTIAL-3-1-6 CREATE CREDENTIAL (DISABLED)
CREDENTIAL-3-1-7 MODIFY CREDENTIAL
CREDENTIAL-3-1-8 DELETE CREDENTIAL
CREDENTIAL-4-1-2 CHANGE CREDENTIAL STATE

CREDENTIAL-5-1-1 GET CREDENTIAL IDENTIFIER
CREDENTIAL-5-1-2 SET CREDENTIAL IDENTIFIER – ADDING NEW TYPE
CREDENTIAL-5-1-3 SET CREDENTIAL IDENTIFIER – REPLACE OF THE SAME TYPE
CREDENTIAL-5-1-4 DELETE CREDENTIAL IDENTIFIER
CREDENTIAL-5-1-5 GET SUPPORTED FORMAT TYPES

CREDENTIAL-6-1-2 SET CREDENTIAL ACCESS PROFILES - ADDING NEW ACCESS PROFILE
CREDENTIAL-6-1-3 SET CREDENTIAL ACCESS PROFILES - UPDATING ACCESS PROFILE
CREDENTIAL-6-1-4 DELETE CREDENTIAL ACCESS PROFILES

CREDENTIAL-7-1-1 RESET ANTIPASSBACK VIOLATIONS

CREDENTIAL-8-1-2 CONFIGURATION CREDENTIAL CHANGED EVENT
CREDENTIAL-8-1-3 CONFIGURATION CREDENTIAL REMOVED EVENT
CREDENTIAL-8-1-4 CREDENTIAL STATE ENABLED EVENT
CREDENTIAL-8-1-5 CREDENTIAL STATE ANTIPASSBACK VIOLATION EVENT (PROPERTY EVENT)

Known issues:

- [GUI] Management/CredentialIdentifierValue tab: settings are not saved after test tool restart
- [GUI] Some settings are not saved: they are not loaded from setting files:
  - Fields on Recording tab
  - Quick Install tab
  - Credential Identifier Values
- [GUI] Management/CredentialIdentifierValue tab/Value field: format for this field is not binary
- [CREDENTIAL-5-1-2] Get Service Capabilities(Credential) is called 3 times
- [ACCESS_RULES-1-1-2][CREDENTIAL-1-1-2] getServices request is repeated twice
- [CREDENTIAL-8-1-5][CREDENTIAL-6-1-4] test doesn't fail when DUT doesn't send Unsubcribe Response
- [CREDENTIAL-6-1-1] Test passed when two credential access profile items have equal AccessProfileToken

Bockiger Bazi

The changes are included into the delivery in accordance with the following tickets:
o #865 QUICK_INSTALL-3-1-6:
  QUICK_INSTALL-3-1-6 Last Clock Synchronization change event (SetSystemDateAndTime)
o #842 Profile Q test tool usage – feedback
  QUICK_INSTALL-3-1-1 Processor Usage Event
o #864 Testing GetAccessPolicy:
  QUICK_INSTALL-2-1-4 Default access policy - Administrator and Anonymous
  QUICK_INSTALL-2-1-5 Default access policy - Administrator and User/Operator
o #846 IPv6 stateless autoconfiguration test to be added:
  QUICK_INSTALL-1-1-1 Factory default state verification

Version: ONVIF Test Tool v. TUVW.150211

Date: 11th February 2015

Version type: The Service Release 2 delivery of the ONVIF Device Test Tool as part of the Warsteiner project.

Description: The purpose of this delivery is to provide the bugfix delivery of the ONVIF Device Test Tool as part of the Warsteiner projects, please see the release notes for details.

Warsteiner

The following ticket has been addressed as part of the release, please see the details in the tickets comments for the details:

- #834   Change Credential State - Failed in the test tool
- #835   Set Credential Identifier - ReplaceSameType
- #836   Reset Anitpassback Violation
- #837   Credential Events failed in Test tool Diagnosis
- #838   Modify Access Profiles
- #839   Delete Access Profile
- #840   GetSupportFormatTypes

Version: ONVIF Test Tool v.14.12 SR1

Date: 22th December 2014

Version type: The Service Release 1 delivery of the ONVIF Device Test Tool as part of the Tuborg project.

Description: The purpose of this delivery is to provide the bugfix delivery of the ONVIF Device Test Tool as part of the TUVW projects, please see the release notes for details.

Tuborg
The following ticket has been addressed as part of the release:

- #830 Door Control Test Cases - GetPullMessages loop HTTP allocated time exceeded

Version: ONVIF Test Tool v.14.12

Date: 16th December 2014

Version type: The Final delivery of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter and Warsteiner projects.

Description: The purpose of this delivery is to provide the Final delivery of the ONVIF Device Test Tool as part of the TUVW projects. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

Tuborg
The following tickets/tests have been addressed as part of the official Test Tool release:

- #820 MEDIA-6-1-1 - Missing Opaque header?
- #827 REPLAY-3-1-17 and REPLAY-3-4-16 (Replay SEEK Testcases) should be moved to diagnostic mode

The following updates had been introduced with the unofficial Test Tool release, coming with the Warsteiner project delivery:

- Test cases names had been amended: Test Tool version string had been added to the tests names. V14.12 is added to the cases added and modified as part of the TUVW project. V.14.06 added to the rest of the test cases.
- #508 Audio Backchannel test cases, new tests added:
  - MEDIA-3-4-8 v14.12 GET AUDIO OUTPUT CONFIGURATION OPTIONS
  - MEDIA-3-4-9 v14.12 AUDIO OUTPUT CONFIGURATION

Urquell
The following features have been implemented:

- #753 Test Specification section 4.1 changes
  - The following test is updated according to the feedback: QUICK_INSTALL-1-1-1 v14.12 Factory Default state verification

Victoria-bitter
No new tickets had been included into the Test Tool Final Release.

Warsteiner

The following tickets have been modified/implemented (as part of the unofficial Test Tool release delivered separately):

- A number of changes introduced into the TT based on the credential technical specification updates (& its WSDL) to the version 0.9 with the following commands affected: GetSupportedFormatTypes, GetCredentialIdentifiers, SetCredentialIdentifiers, DeleteCredentialIdentifiers and formats support including: Wiegand26, Wiegand37, Wiegand37_facility, Simple_Number32.
- #733 [Base Test Spec] Get Services tests development
- #737[Access Rules Test Spec] Events positive test development
- #738[Access Rules Test Spec] Consistency test development
- #742 [Credential Test Spec] Change Credential State positive test development
- #743[Credential Test Spec] Reset Antipassback Violations positive test development
- #744[Credential Test Spec] Set Credential Identifier positive test development
- #745[Credential Test Spec] Delete Credential Identifier positive test development
- #746[Credential Test Spec] Set Credential Access Profiles positive test development
- #747[Credential Test Spec] Delete Credential Access Profiles positive test development
- #748[Credential Test Spec] Events positive test development
- #749[Credential Test Spec] Consistency test development

Known Issues and Limitations

Tuborg

- #508 Audio Backchannel test cases:
    - only one encoding (AAC) is supported
    - the cases are not tested with real devices and testing with the simulator is limited (it does not support real streaming).

Urquell

- #604   firmware upload testing: The following tests are not tested with real devices:
    - QUICK_INSTALL-4-1-1 Firmware Upload
    - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #607   conditional feature testing: The following tests are not tested with real devices:
    - DEVICE-3-1-14 START SYSTEM RESTORE
    - DEVICE-3-1-15 START SYSTEM RESTORE – INVALID BACKUP FILE

Version: ONVIF Test Tool v. TUVW.141208
Date: 08th December 2014

Version type: The intermediate delivery of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects.

Description: The purpose of this delivery is to provide the intermediate delivery of the ONVIF Device Test Tool as part of the TUVW projects. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

Tuborg

The following tickets/tests have been implemented:

- #508 Audio Backchannel test cases
  - RTSS-6-1-5 BACKCHANNEL – AAC (RTP-Multicast/UDP, IPv4)
  - RTSS-6-1-6 BACKCHANNEL – AAC (RTP-Unicast/UDP, IPv4)
  - RTSS-6-1-7 BACKCHANNEL – AAC (RTP-Unicast/RTSP/HTTP/TCP, IPv4)
  - RTSS-6-1-8 BACKCHANNEL – AAC (RTP/RTSP/TCP, IPv4)

Urquell

The following features have been implemented:

  - Profile Q feature tree added to the diagnostics tab.

Victoria-bitter

The following tickets have been updated (slight test logic change):

- #613: Upload PKCS8 - decryption fails
- #616: Upload PKCS12 - decryption fails (bugs fixed, certain features added)

Warsteiner

The following tickets have been addressed/implemented:

- #714 [Credentail Test Spec] Get Credential State positive test development
- #715 [Credentail Test Spec] Get Credential Identifiers positive test development assigned
- #716 [Credentail Test Spec] Get Credential Access Profiles positive test development assigned
- #734 [Access Rules Test Spec] Create Access Profile positive test development (Note: released with limited testing)
- #735 [Access Rules Test Spec] Modify Access Profile positive test development (Note: released with limited testing)
- #736[Access Rules Test Spec] Delete Access Profile positive test development (Note: released with limited testing)
- #737[Access Rules Test Spec] Events positive test development (Note: released with limited testing)
- #749[Credential Test Spec] Consistency test development

Known Issues and Limitations

Urquell

- #604 firmware upload testing: The following tests are not tested with real devices:
  - QUICK_INSTALL-4-1-1 Firmware Upload
  - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #607 conditional feature testing: The following tests are not tested with real devices:
  - DEVICE-3-1-14 START SYSTEM RESTORE
  - DEVICE-3-1-15 START SYSTEM RESTORE – INVALID BACKUP FILE

Version: ONVIF Test Tool v. TUVW.141201

Date: 01st December 2014

Version type: The Release Candidate delivery of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects.

Description: The purpose of this delivery is to provide the release candidate delivery of the ONVIF Device Test Tool as part of the Urquell project. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

Tuborg

The following tickets have been addressed/implemented:

- #582 Onvif Test Tool does not behave correct in MEDIA-1-1-4
- #640 Add IRCutFilter feature to tester
- #705 Insufficient memory to continue the execution of the program failure (certain changes introduced, which are expected to fix the problem).
- #732 EVENT-2-1-17, EVENT-2-1-18 SetSynchronizationPoint times out

Urquell

The following tickets have been addressed/implemented:

- #587 device 4.1.2 test case change by Profile Q for max number of users signalling
- #591 test case: Quick Install SetSystemFactoryDefault and CreateUser combination verification
- #604 firmware upload testing
- #605 mandatory events testing
- #606 conditional events testing
- #607 conditional feature testing
- #754 Test Specification section 4.1.2 changes
- #755 Test Specification section 4.2.1 changes
- #763 Test Specification Annex A.2

Victoria-bitter

The following tickets have been addressed/implemented:

- #613: Upload PKCS8 - decryption fails

- #616: Upload PKCS12 - decryption fails (bugs fixed, certain features added)

Warsteiner

The following tickets have been addressed/implemented:

- #737[Access даRules Test Spec] Events positive test development
- #738[Access Rules Test Spec] Consistency test development
- #739[Credential Test Spec] Create Credential positive test development
- #740[Credential Test Spec] Modify Credential positive test development
- #741[Credential Test Spec] Delete Credential positive test development
- #742[Credential Test Spec] Change Credential State positive test development
- #743[Credential Test Spec] Reset Antipassback Violations positive test development
- #744[Credential Test Spec] Set Credential Identifier positive test development
- #745[Credential Test Spec] Delete Credential Identifier positive test development
- #746[Credential Test Spec] Set Credential Access Profiles positive test development (delivered with limited testing)
- #747[Credential Test Spec] Delete Credential Access Profiles positive test development (delivered with limited testing)
- #748[Credential Test Spec] Events positive test development (delivered with limited testing)

Known Issues and Limitations

Urquell

- #604   firmware upload testing: The following tests are not tested with real devices:
  - QUICK_INSTALL-4-1-1 Firmware Upload
  - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #607   conditional feature testing: The following tests are not tested with real devices:
  - DEVICE-3-1-14 START SYSTEM RESTORE
  - DEVICE-3-1-15 START SYSTEM RESTORE – INVALID BACKUP FILE

Warsteiner

- #740[Credential Test Spec] Modify Credential positive test development
  - 3-1-7 MODIFY CREDENTIAL Bug exists: Unexpected GetCredentialState step
- #744[Credential Test Spec] Set Credential Identifier positive test development
  - CREDENTIAL-5-1-2 Bug exists: Inernal error when GetCredentialIdentifiersResponse is empty

Version: ONVIF Test Tool v. TUVW.141121

Date: 21th November 2014

Version type: The intermmediate delivery of the ONVIF Device Test Tool as part of the Urquell project.

Description: The purpose of this delivery is to provide the intermediate release of the ONVIF Device Test Tool as part of the Urquell project. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

Urquell

The following tickets have been addressed/implemented:

- #591 test case: Quick Install SetSystemFactoryDefault and CreateUser combination verification (tested with the simulator only – no devices for verification)
- #592 test case: Quick Install Scope verification (merged with #591)
- #604 firmware upload testing, the following tests had been implemented:
    - QUICK_INSTALL-4-1-2 Invalid Firmware Upload
- #607 conditional feature testing, the following tests had been implemented:
    - GET SYSTEM URIS
    - START SYSTEM RESTORE **(Note: not fully tested)**
    - START SYSTEM RESTORE – INVALID BACKUP FILE **(Note: not fully tested)**
    - GET REMOTE USER
    - SET REMOTE USER **(Note: not fully tested)**

Warsteiner

The following tickets have been addressed/implemented:

- #739[Credential Test Spec] Create Credential positive test development

Known Issues and Limitations

- #591 test case: Quick Install SetSystemFactoryDefault and CreateUser combination verification
    - For the intermediate delivery as of Fri. Nov 21th we didn't implement capabilities checking and hardcoded a minimum username of 8 chars. For the Dec 2nd release we shall implement capabilities based logic. Such behavior is documented in the test specification and implemented in the Test Tool.

The following tickets were included in the release with limited testing:

- #591 test case: Quick Install SetSystemFactoryDefault and CreateUser combination verification **- tested with the simulator only – no devices for verification.**
- #607 conditional feature testing:
    - START SYSTEM RESTORE **- not fully tested**
    - START SYSTEM RESTORE – INVALID BACKUP FILE - **not fully tested**

SET REMOTE USER - **not fully tested**

Version: ONVIF Test Tool v. TUVW.141110

Date: 10th November 2014

Version type: The second prototype delivery of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects.

Description: The purpose of this delivery is to provide the Second Prototype release of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

General

No general changes introduced into the ONVIF DTT functionality as part of the current release.

Tuborg

The following tickets have been addressed/implemented:

- #296 Add event test for PullMessage as keep alive (see the ticket comments in Wush for the details).
- #627 RECORDING-2-1-10 Test Case Problem

Urquell

The following tickets have been addressed/implemented:

- #600 access policy testing PRE_AUTH
- #601 access policy testing operator
- #602 access policy testing user
- #603 access policy testing administrator

Victoria Bitter

The following tickets have been addressed/implemented:

- #611: Upload PKCS8 - no key pair exists
- #614: Upload PKCS12 - no key pair exists
- #642 ADVANCED_SECURITY 3-2-1 and 3-2-2 fail immediately; should continue (note, TLS handshake procedure is not verified due to simulation envirionment limitations)

Warsteiner

The following tickets have been addressed/implemented:

- #711 [Credentail Test Spec] Get Capabilities Test development
- #712 [Credentail Test Spec] Get Capabilities Test development
- #713 [Credentail Test Spec] Get Capabilities Test development (Note: in this release the functionality is verified with the PACS simulator only, i.e. with certain limitations).
- #717 [Access RulesTest Spec] Get Capabilities test development
- #718 [Access RulesTest Spec] Get Access Profile Info positive test development
- #719 [Access RulesTest Spec] Get Access Profile positive test development

Known Issues and Limitations

The following tickets were tested partially:

Warsteiner:

- #713 [Credentail Test Spec] Get Capabilities Test development (Note: in this release the functionality is verified with the PACS simulator only, i.e. with certain limitations).

Victoria-Bitter:

- #642 ADVANCED_SECURITY 3-2-1 and 3-2-2 fail immediately; should continue (TLS handshake not verified)

The following tickets were included in the release with limitation in the implementation:

- Urquell
  - #605 mandatory events testing
    - See the notes for the previous release, they are still valid (no changes regarding those).
- Warsteiner
  - #719 [Access RulesTest Spec] Get Access Profile positive test development
    - Note: see the comment in Wush system

Version: ONVIF Test Tool v. TUVW.141006

Date: 6th October 2014

Version type: The First prototype delivery of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects.

Description: The purpose of this delivery is to provide the First Prototype release of the ONVIF Device Test Tool as part of the Tuborg, Urquell, Victoria Bitter, Warsteiner projects. ONVIF Device Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

General

No general changes introduced into the ONVIF DTT functionality as part of the current release.

Tuborg

The following tickets have been addressed/implemented:

- #543 MJPEG/RTP streamer issue with conformance tool, request errata
- #477 IPCONFIG-1-1-1 IPV4 STATIC IP is not correct behavior
- #296 Add event test for PullMessage as keep alive (**partially**, only bug fix was included)
- #618 GetSnapshotUri - Digest Header issue
- #579 Invalid Warning in Negative Test Case MEDIA-3-4-5
- #599 RTSS-1-2-19 Multicast Test Clarification
- #566 SEARCH-3-1-2 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS) fails in below scenario
- #580 RTSP KEEPALIVE TEARDOWN command error - tool 13.06

- #647 Failure Observed in REPLAY-3-1-6

Urquell

The following tickets have been addressed/implemented:

- #605 mandatory events testing (with some limitations in implementation)
- #588 Profile Q Features for DoC (**partially**, only features for run conditions for test cases related to tickets #605 and #606 were added to the feature discovery)

Victoria Bitter

The following tickets have been addressed/implemented:

- #646 Verify correct test tool behavior with deleted data type
- #645 Verify that correct Key Status description is used
- #610 Delete Passphrase
- #609 Upload Passphrase
- #670 Error of GetServiceCapabilities in advanced security

Warsteiner

No changes introduced into the ONVIF DTT functionality as part of the current release.

Known Issues and Limitations

The following tickets were included in the release partially:

- Tuborg
  - #296 Add event test for PullMessage as keep alive (only bug fix was included)

The following tickets were included in the release with limited testing (no corresponding devices on AS side):

- Tuborg
  - #543 MJPEG/RTP streamer issue with conformance tool, request errata
  - #647 Failure Observed in REPLAY-3-1-6
  - #580 RTSP KEEPALIVE TEARDOWN command error - tool 13.06 (for this ticket we have approval from reporter about bug fix)

The following tickets were included in the release with limitation in implementation:

- Urquell
  - #605 mandatory events testing
    - Xml schema validation of Message element in the PullMessagesResponse works incorrectly in some cases (all tests). The test tool fails schema validation if the DUT sends:
      - additional Source.SimpleItem or Data. SimpleItem element (which is not described for tested event in the specification)
      - optional Key element

- The test tool accepts and uses for the test Hello message from not expected EP address (QUICK_INSTALL-3-1-4 Last Reboot event (Status Change))
- If the DUT changes IP after reboot and sends new Device Service address in the Hello message, the test tool uses old Device Service address ((QUICK_INSTALL-3-1-4 Last Reboot event (Status Change).
- The test tool once resends SetNTP and SetSystemDateAndTime requests in case the DUT sends no response.
- Error in deserializing body in case the DUT does not sent topic in PM (empty topic)

- Victoria Bitter
  - #642 ADVANCED_SECURITY 3-2-1 and 3-2-2 fail immediately; should continue
    - Implementation was done, but no testing was performed

The following tickets were not included in the release, but have in progress state:

- Victoria Bitter
  - #614 Upload PKCS12 - no key pair exists
    - Removed from release since technical specification was changed

Project QRS

Version: ONVIF Test Tool v. 14.06
Date: 20th June 2014

Version type: The Final Release delivery of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects.

Description: The purpose of this delivery is to provide the Final Release of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects Test Tool with all of the tests implemented and/or modified for the release as planned, please see the details below.

General

Quilmes
The following tickets have been addressed/implemented:

- #578 Modification of the Installation Guide which refers to Windows XP
- #296 Add event test for PullMessage as keep alive (Event 3-1-23 test was updated as per discussion in the ticket)
- Modifications introduced into the Door Control tests as suggested in the code review (cosmetic changes).

Rattlesnake
No changes introduced into the DTT functionality as part of the current release.

- #585 CreateCertificationPath's path is wrong (additional modifications introduced as discussed in the ticket).

Known issues

No known issues are identified in the current release.

Version: ONVIF Test Tool v. 14.06.02
Date: 02nd June 2014

Version type: The Release Candidate delivery of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects.

Description: The purpose of this delivery is to provide the Release Candidate of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects Test Tool with all of the tests implemented and/or modified for the release as planned, please see the details below.

General

Quilmes

The following tickets have been addressed/implemented:

- #296 Add event test for PullMessage as keep alive (modifications as mentioned in the ticket comments)
- #339 LOCK/UNLOCK DOOR command fails if the door is in the same state as the command executed (the order of the tests changed as mentioned in the ticket comments)
- #577 Test tool throws 'Internal Error Occured' for IP test cases

Rattlesnake

The following tickets have been addressed/implemented:

- #566 SEARCH-3-1-2 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS) fails in below scenario.

Stephanus

The following tickets have been addressed/implemented:

- #584 validate certificate's subject is failed
- #585 CreateCertificationPath's path is worng
- #586 RemoveServerCertificateAssignment is needes before DeleteCertificationPath
- #573 New test case: Upload malformed certificate
- #575 New test case: Upload certificate with expired certificate

Known issues

- Quilmes
  - Help/References mentions Profile G as Release Candidate (ONVIF Profile G Specification (Release Candidate))
- Stephanus
  - Only the specification had been completed for the following tickets:
    - #561 Encoding of DN attributes in Create Self Signed Certificate
    - #562 Encoding of DN attributes in Create PKCS10 CSR

Version: **ONVIF Test Tool v. 14.04.28**
Date: 28th April 2014

Version type: The Second prototype delivery of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects.

Description: The purpose of this delivery is to provide the Second prototype release of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

General

Quilmes
The following tickets have been addressed/implemented:

- #296 Add event test for PullMessage as keep alive
- #339 LOCK/UNLOCK DOOR command fails if the door is in the same state as the command executed (specification review pending)
- #482 AbsoluteMoveRequests does not seem to take PTZ limits into consideration (the fix for the additional issue found & reported)
- #541 RTSS-1-1-48: no media frames within timeout
- #511 Refactoring of IMAGING-1-1-9 (Parsing problem resolved)
- #513 Negative tests should be static not random (cases listed in the Wush-ticket as requested, no changes in the Test Tool)
- #555 Adding a small time buffer for the seek testcases
- #567 Remove unnecessary error test

Rattlesnake
The following tickets have been addressed/implemented:

- #551 Proposed changes to the Recording Control Specification
- #554 Recurring tool crashes on streaming test cases in the 13.12 tool
- #563 RECORDING-2-1-26:MODIFY MEDIA ATTRIBUTE WHILE RECORDING Issue
- #564 Verification of RTP Timestamps in RTSP PLAY command

- #457 Recording audio and metadata track problem (from internal wush #1206) (Test logging updated)

Stephanus

The following tickets have been addressed/implemented:

- #556 CreatePKCS10CSR – negative test
- #558 Basic TLS Handshake
- #559 Replace Server Certificate Assignment - Basic TLS Handshake

Known issues

- The following tickets were not addressed in the release (with the status being in progress):
  - Quilmes
    - #477 IPCONFIG-1-1-1 IPV4 STATIC IP is not correct behavior
    - #550 Internal error in test case RTSS 5.1.12 (Can't reproduce)
  - Rattlesnake
    - #566 SEARCH-3-1-2 FIND EVENTS – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS) fails in below scenario
  - Stephanus
    - #561 Encoding of DN attributes in Create Self Signed Certificate
    - #562 Encoding of DN attributes in Create PKCS10 CSR
    - #573 New test case: Upload malformed certificate

#575 New test case: Upload certificate with expired certificate

Version: ONVIF Test Tool v. 14.04.28

Date: 28th April 2014

Version type: The First prototype delivery of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects.

Description: The purpose of this delivery is to provide the First prototype release of the ONVIF Device Test Tool as part of the Quilmes, Rattlesnake, Stephanus projects Test Tool with some of the tests implemented and/or modified for the release, please see the details below.

General

Quilmes

The following tickets have been addressed/implemented:

- #462 ARP entries not updated for test cases that change IP Address
- #472 Remove unnecessary Renew
- #476 Run Condition of IP Filter test cases
- #482 AbsoluteMoveRequests does not seem to take PTZ limits into consideration

- #506 Highlight Warnings in the test results
- #535 Improper check for IPv6 Unicast Testcases
- #511 Refactoring of IMAGING-1-1-9 (The fix for the problem of ImagingSettingsExtension elements parsing is not included in this version)
- #540 Technical support phone should not be a required field

Rattlesnake

The following tickets have been addressed/implemented:

- #495 Promote Profile G to Conformance
- #457 Recording audio and metadata track problem (from internal wush #1206)
- #460 Clarification on Search TestCase-ID (2-1-1): Recording Search Results and Recordings Consistency
- #532 Validate that streaming data is stopped when PAUSE is sent
- #534 Clarification reg REPLAY-3-1-2 PLAYBACK VIDEO STREAMING – RTP-Unicast/UDP testcase
- #539 Question about the "BitratRange" element of the "VideoEncoderOptionsExtension"
- #547 RECORDING-5-1-20 Test leaves Job is Active state
- #549 The problem with "Unable to load DLL 'RTSPSimulator.dll'" fault
- #552 Receiver-2-1-16, 2-1-17: Unexpected deleteReceiver command

Stephanus

The following tickets have been addressed/implemented:

- #557 DeleteCertificate – Public Key
- #560 Upload certificate – delete linked key (negative test)

Known issues

- The following tickets were not addressed in the release (with the status being in progress):
- Quilmes
    - o #554 Recurring tool crashes on streaming test cases in the 13.12 tool
    - o #296 Add event test for PullMessage as keep alive
    - o #551 Proposed changes to the Recording Control Specification (Specification review ongoing)
    - o #511 Refactoring of IMAGING-1-1-9 (The fix for the problem of ImagingSettingsExtension elements parsing is not included in this version)
- Rattlesnake
    - o #538 Search-3-1-11 FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)

Project NOP

Version: **ONVIF Test Tool v. 13.12**
Date: 16 December 2013

Version type: The Final Release delivery of the ONVIF Device Test Tool as part of the Newcastle, OktoberFest, OktoberFest-Security and Peroni projects.

Description: The purpose of this delivery is to provide the Final Release version of the Newcastle, OktoberFest, OktoberFest-Security and Peroni Test Tool edition with all of the tests implemented and/or modified for the release, please see the details below.

General

Newcastle

No tickets has been addressed after the Release Candidate delivery for Newcastle.

OktoberFest

The following tickets have been addressed/implemented:

- #512 MaxNotificationProducers and MaxPullPoints are optional but treated as mandatory
- #489 RTSS-1-1-28 test tool internal error
- #283 Enhancement of Test Results Output Tab (a number of cosmetic changes done on the UI level)
- #456 Test Tool automatically exits in RTSS-3-1-11
- #469 Test Tool broke in RTSS-1-2-18
- #440 Failures in Compact Mode (the fix also included the update of the help file).

Peroni

The following tickets have been addressed/implemented, changes made:

- Profile G state changed to Release Candidate
- #470 after the device reboot the socket cannot be reused
- #429 Modification of test cases RE GetCompatibleSources attribute (Test spec had been updated).

OktoberFest-Security

The following tests had been implemented for the current release, some other changes made, tickets addressed:

- #486 CreateRSAKeyPair tests take very long for large key lengths
- A number of typos fixed in the test specification (see the relevant release notes).

Known issues

- The following tickets were not addressed in the release (have been or will have to be postponed till the next project):
  - Octoberfest
    - #103 Video streaming of Debug is automatically stopped
    - #477 IPCONFIG-1-1-1 IPV4 STATIC IP is not correct behavior
  - Peroni
    - #81 Issue with 'Onvif Video Viewer' used to display video in various replay testcases
    - #531 Clarification reg REPLAY-3-1-14 PLAYBACK VIDEO STREAMING – SEEK

Version: **ONVIF Test Tool v. NOP.131202**

Date: 02 December 2013

Version type: The Release Candidate delivery of the ONVIF Device Test Tool as part of the Newcastle, OktoberFest, OktoberFest-Security and Peroni projects.

Description: The purpose of this delivery is to provide the Release Candidate version of the Newcastle, OktoberFest, OktoberFest-Security and Peroni Test Tool edition with all of the tests implemented and/or modified for the release (please see the details below).

General

- Help files were updated based on the changes done as part of all of the projects.

Newcastle

The following tickets have been addressed/implemented:

- #484 AccessControl/Door event test cases fail
- #459 Move test case ACCESSCONTROL-9-1-1 to diagnostic mode only (additional changes included).

OktoberFest

The following tickets have been addressed/implemented:

- The test case IPCONFIG-1-1-5 (former 1-1-5) moved to conformance
- #303 Unicast IPv6 Test cases
- #483 the problem of test tool nop.131111
- #479 DoC: Profile G features section visible even though DUT does not support Profile G
- #467 Issue with Device-7-1-1 - GET IP ADDRESS FILTER
- #463 Test Tool does not decord for getting resolution in RTSS-1-1-48
- #455 IPv6 Multicast streaming is not supported in RFC2326
- #443 Is Discovery timeout according to specification?
- #442 Description of Discovery timeout is confusing
- #477 IPCONFIG-1-1-1 IPV4 STATIC IP is not correct behavior

- #475 Device-7-1-2 GetIPAddressFilterResponse validation fails on prefix of 32
  - #465 Possible bug with Imaging-1-1-9

Peroni

The following tickets have been addressed/implemented:

- #468 ONVIF Device Test Tool got crashed on REPLAY-3-2-8, REPLAY-3-2-9 Test Case Execution
- #450 Defect on Recording Test Case 2-1-3 (Version NOP.130902)
- #449 Clarification on JobState Event verification for Recording Test Cases 2-1-1 and 5-1-2
- #348 Test Tool Hangs - Possible Memory Corruption (verified with the available devices)
- #407 Proposal: To use MaxRecordingJobs capability in dynamic job configuration tests
- #478 Recording-2-1-14: Expecting PropertyOperation for non property event
- #472 Remove unnecessary Renew
- #437 Receiver-2-1-14CONFIG RECEIVER In Test Tool(version 13.06)
- #480 Clarification needed on PAUSE Response message validation - REPLAY tests
- #474 Receiver-2-1-7 requires outdate NVT hello
- #470 after the device reboot the socket cannot be reused (we suggest the error is fixed on the TT side, though can't reproduce the original problem with the devices we have and, hence, verify the fix appropriately)
- #466 RECORDING-3-1-7, RECORDING-5-1-15 and RECORDING-5-1-16 tests fail with Internal Error
- #473 Failure on Recorder with more than four active recordings
- #454 RECORDING-5-1-14 is not mandatory (certain updates were done to profile support check procedure, the case is moved back to conformance)
- #458 Job priority test cases - RECORDING-3-1-8 and RECORIDNG-3-1-9

OktoberFest-Security

The following tests had been implemented for the current release, some other changes made, tickets addressed:

- Create RSA key pair – status using event
- TLS Server Certificate – CA
- #461 Test tool v13.12: Run advanced security test cases in diagnostic mode only
- #451 Add test cases for capability-implied requirements
- #433 [ASTS - Review][A.5] Possible issues with validity start date of certificate

Known issues
- The following tickets were not addressed in the release:
  - Octoberfest
    - #103 Video streaming of Debug is automatically stopped
    - #456 Test Tool automatically exits in RTSS-3-1-11
    - #440 Failures in Compact Mode
  - Peroni
    - #81 Issue with 'Onvif Video Viewer' used to display video in various replay testcases

- Security
  - There is a bug in one of the tests covered by the ticket *#451 TestSpec: Add test cases for capability-implied requirements*: some devices erroneously returning different SignatureAlgorithms lists on GetServices and GetServiceCapabilities requests erroneously pass the test.

- Uninstallation doesn't work if launched from Start Menu (recommended to use Control Panel instead).
- Regarding the ticket #290 the old product types are imported from an old installation of the DTT.

Version: **ONVIF Test Tool v. NOP.131111**

Date: 11 November 2013

Version type: The Third Prototype delivery of the ONVIF Device Test Tool as part of the Newcastle, OktoberFest, OktoberFest-Security and Peroni projects.

Description: The purpose of this delivery is to provide the third prototype version of Newcastle, OktoberFest, OktoberFest-Security and Peroni Test Tool edition with certain tests/tickets implemented and/or modified for the release (please see the details below).

Newcastle

The following tickets have been addressed/implemented:

- #459 Move test case ACCESSCONTROL-9-1-1 to diagnostic mode only.
- #447 No PACS related product type on Conformance Tab:
  - The device types list has been updated in accordance with the TSC decision, please see the ticket #290 for details.

OktoberFest

The following tickets have been addressed/implemented:

- #180 bug in test case RTSS-1-1-16
- #431 IMAGING-1-1-9 internal error occurred during the configuration restoration after finishing all the test steps
- #225 IP Filtering test cases
- #299 Refactoring of IPCONFIG-1-1-4
- #322 Add filter and/or sort feature to Test Case Summary documents (Please see the specifications delivery communication for details).

- #416 Possible bug with EVENT-3-1-15
- #417 Possible bug with RTSS-1-1-27 (Note: please see the comment by Oksana Tyushkina in the ticket)
- #419 PTZ-7-4-4 fails for PTZ devices with only zoom spaces
- #438 IMAGING-1-1-9 error
- #336 Device 3-1-1, 3-1-2, 3-1-3 not returning camera to original state

Peroni
The following tickets have been addressed/implemented:

- #347 Test Tool Hangs while executing REPLAY-3-1-2
- #348 Test Tool Hangs - Possible Memory Corruption (not verified with certain devices)
- #349 Issue with REPLAY-3-3-11 (not verified with certain devices)
- #350 Issue with REPLAY-3-3-12 (not verified with certain devices)
- #429 Modification of test cases RE GetCompatibleSources attribute
- #343 Query regarding Profile-G Event Test Cases - RECORDING-5-1-1, RECORDING-5-1-14
- #427 New test case for PTZ GetMediaAttributes (PTZ)
- #428 Verification step for PTZ search test cases
- #430 Update Recording Control Test Spec A.5
- #452 RECORDING-5-1-3,4,5 will be failed even if the device supports these events
- #454 RECORDING-5-1-14 is not mandatory (the case moved temporarily to diagnostics)
- #464 RECORDING-2-1-17 checks JPEG encording even if JPEG is not supported as Recording
- #450 Defect on Recording Test Case 2-1-3 (Version NOP.130902)

OktoberFest-Security
The following tests had been implemented for the current release, some other changes made, tickets addressed:

1. Check RSA key pair private key status
2. Create PKCS#10
3. Upload certificate – keystore contains private key (negative test)
4. Upload certificate – keystore does not contain private key
5. Get certificate – CA
6. TLS Server Certificate - self-signed
7. Get certification path – CA
8. Get all certification paths – CA
9. Delete certification path – CA
10. Replace server certificate assignment – CA
11. Bouncy Castle encryption library removed from the Test Tool installer
12. #351 [ASTS - Review] No test cases ID
13. #426 TestSpec, Sect. 5.3.20 (Create Certification Path - CA): Wrong order of certificates in the path
14. #461 Test tool v13.12: Run advanced security test cases in diagnostic mode only

Known issues

- The following tickets were not addressed in the release, though they had originally been planned to be covered:
  - Octoberfest
    - #443 Is Discovery timeout according to specification?
    - #303 Unicast IPv6 Test cases

  - Peroni
    - #437 Receiver-2-1-14CONFIG RECEIVER In Test Tool(version 13.06)
  - Security

  - Help files have not been updated in accordance with the modified features.
  - Uninstallation doesn't work if launched from Start Menu (recommended to use Control Panel instead).
  - Regarding the ticket #290 the old product types are imported from an old installation of the DTT.
  - [ADVANCED_SECURITY-2-1-3] [Ticket 412] TT does not delete the certificate created

Version: **ONVIF Test Tool v. NOP.131007**
Date: 07 Oct 2013

Version type: The Second Prototype delivery of the ONVIF Device Test Tool as part of the Newcastle, OktoberFest, OktoberFest-Security and Peroni projects.

Description: The purpose of this delivery is to provide the second prototype version of Newcastle, OktoberFest, OktoberFest-Security and Peroni Test Tool edition with certain tests/tickets implemented and/or modified for the release (please see the details below).

Newcastle
The following tickets have been addressed/implemented:

- Seek Test cases (Note: the test cases have been tested with simulator only)
- #341 Bool value representation of 0 and 1 should be accepted in Enable Access Point test cases
- #340 5-1-1 ACCESS POINT ENABLED EVENT Fails

OktoberFest
The following tickets have been addressed/implemented:

- #309 Operation delay either confusing or buggy
- #96 Issue with IPv6 Multicast test cases.

- #282 Test tool behaviour during IPCONFIG test cases (Note: The ticket is tested only in IPv4 infrastructure)
- #290 Additional Info Field for Test Report – Partially implemented (Technical Support Website Url and General Support Mailing List Address are missing)
- #222 EVENT-2-1-3 and EVENT-3-1-3 should accept InvalidTopicExpressionFault
- #409 Problem with namespace test cases
- #338 GET/SET NETWORK PROTOCOLS CONFIG expects DUT to support RTSP protocol
- #402 PullMessage as keep alive test behaviour in case a long termination time

Peroni

The following tickets have been addressed/implemented:

- #344 RECORDING-2-1-8 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - MEDIA PROFILE (The ticket is actually closed and replaced with #430 – to be delivered on Nov. 11th)
- #345 Issue with validation in RECORDING-5-1-3
- #346 Issue with command sequence of RECORDING 5-1-2
- #292 Feature Discovery Mechanism for Live Streaming
- #254 Implementation of GetRecordingOptions Required (Fully implemented)

OktoberFest-Security

The following tests had been implemented for the current release:

15. Feature discovery functionality
16. Encryption library interfacing layer had been added to isolate operations with the library
17. Get all keys
18. Upload certificate – keystore contains private key
19. Get certificate – self-signed
20. Get all certificates – self signed
21. Get all certificates – CA
22. Delete certificate – CA
23. Create certification path – CA
24. Get certification path – self signed
25. Get all certification paths – self signed
26. Add server certificate assignment – CA
27. Replace server certificate assignment – self signed
28. Get assigned server certificate – self signed
29. Get assigned server certificate – CA
30. Remove server certificate assignment - CA

Known issues
- The following tickets were not addressed in the release, though they had originally been planned to be covered:
    - Octoberfest
        - #303 Unicast IPv6 Test cases – Not delivered

- Peroni
  - #343 Query regarding Profile-G Event Test Cases - RECORDING-5-1-1, RECORDING-5-1-14
  - #348 Test Tool Hangs - Possible Memory Corruption
  - #349 Issue with REPLAY-3-3-11
  - #350 Issue with REPLAY-3-3-12
  - #288 Profile G Features for DoC
- Security
  - Replace server certificate assignment – CA
  - Delete certification path – CA
  - Get all certification paths – CA
  - Get certification path – CA

- Bouncy Castle encryption library is present in the Test Tool installer – will be fixed for the next release.
- Help files have not been updated in accordance with the modified features.

Version: **ONVIF Test Tool v. NOP.130902**
Date: 02.09.2013

Version type: The First Prototype delivery of the ONVIF Device Test Tool as part of the Newcastle, OktoberFest, OktoberFest-Security and Peroni projects.

Description: The purpose of this delivery is to provide the first prototype version of Newcastle, OktoberFest, OktoberFest-Security and Peroni Test Tool edition with certain tests/tickets implemented and/or modified for the release (please see the details below).

Newcastle
No updates related to the Newcastle project had been included into the release NOP.130902.

OktoberFest
The following tickets have been addressed/implemented:

- #298 Promote Profile C and Profile G to Conformance
- #296 Add event test for PullMessage as keep alive
- #283 Enhancement of Test Results Output Tab (minor usability enhancements are also coming in the following releases).
- #284 Enhancement for Test case selection

Peroni
The following tickets have been addressed/implemented:

- #219 TestTool does not properly validate GetEventSearchResultsResponse

- #305 Issue with SEARCH-3-1-1
- #342 Correction required in RECORDING-3-1-2
- #148 Design & implement testcases for all Recording Control Events.
- #254 Implementation of GetRecordingOptions Required (Partially implemented: the first two test are covered: RECORDING-3-1-7 and RECORDING-5-1-15)
- #345   Issue with validation in RECORDING-5-1-3
- #346 Issue with command sequence of RECORDING 5-1-2

OktoberFest-Security

The following tests had been implemented for the current release:

- Create RSA key pair – status using polling
- Delete key
- Create self-signed certificate
- Delete certificate – self signed
- Create certification path – self signed
- Delete certification path – self signed
- Add server certificate assignment – self signed
- Remove server certificate assignment - self-signed

Known issues

- The test cases from the group EVENT-4-1-* fail due to regression problems.
- Feature discovery functionality is not implemented for Security features, therefore "Run if supported" option will not get the tests running (the tests are to be launched manually).

Project Kingfisher

Version: ONVIF Test Tool v. Kingfisher.1306
Date: 24.06.2013

Version type: The Final Release delivery of the ONVIF Device Test Tool as part of the Kingfisher, Leffe and Miller projects.

Description: The purpose of this delivery is to provide the Final Release version of Kingfisher, Leffe and Miller Test Tool edition with a set of bugfixes introduced to the Release Candidate version.

Miller

- Some test cases IDs had been changed as shown in the table below

Old ID	New ID	Access Point

ACCESSCONTROL-2-1-1	<No change in the ID>	GET ACCESS POINT INFO
ACCESSCONTROL-2-1-2	<No change in the ID>	GET ACCESS POINT INFO WITH INVALID TOKEN
ACCESSCONTROL-2-1-4	ACCESSCONTROL-2-1-3	GET ACCESS POINT INFO LIST – LIMIT
ACCESSCONTROL-2-1-5	ACCESSCONTROL-2-1-4	GET ACCESS POINT INFO LIST – START REFERENCE AND LIMIT
ACCESSCONTROL-2-1-14	ACCESSCONTROL-2-1-5	GET ACCESS POINT INFO LIST - NO LIMIT
ACCESSCONTROL-2-1-15	ACCESSCONTROL-2-1-6	GET ACCESS POINT INFO - TOO MANY ITEMS
ACCESSCONTROL-2-1-12	ACCESSCONTROL-2-1-7	GET ACCESS POINT STATE
ACCESSCONTROL-2-1-13	ACCESSCONTROL-2-1-8	GET ACCESS POINT STATE WITH INVALID TOKEN
ACCESSCONTROL-2-1-8	ACCESSCONTROL-2-1-9	ENABLE/DISABLE ACCESS POINT
ACCESSCONTROL-2-1-9	ACCESSCONTROL-2-1-10	ENABLE/DISABLE ACCESS POINT - COMMAND NOT SUPPORTED
ACCESSCONTROL-2-1-10	ACCESSCONTROL-2-1-11	ENABLE ACCESS POINT WITH INVALID TOKEN
ACCESSCONTROL-2-1-11	ACCESSCONTROL-2-1-12	DISABLE ACCESS POINT WITH INVALID TOKEN

Old ID	New ID	Access denied events
ACCESSCONTROL-9-1-14	ACCESSCONTROL-9-1-1	ACCESS CONTROL – ACCESS DENIED TO ANONYMOUS EVENT
ACCESSCONTROL-9-1-15	ACCESSCONTROL-9-1-2	ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT
ACCESSCONTROL-9-1-12	ACCESSCONTROL-9-1-3	ACCESS CONTROL – ACCESS DENIED WITH CREDENTIAL EVENT (CREDENTIAL NOT FOUND – CARD)

Kingfisher

The following tickets have been addressed/implemented:

- #265 Test Tool was broken in RTSS-1-1-26
- #300 RTSS-1-2-22 VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6) should be moved to diagnostic mode
- #304 PTZ-7-3-4 fails for a device without zoom support
- #103 Video streaming of Debug is automatically stopped
    - We couldn't reproduce the problem and hence fix it. We asked the reporter to retest it with the final release as it might get fixed after refactoring.
- #214 No Test Report Generated in Compact Mode
- #227 GUI Crash observed while executing RTSS-1-1-16
- #301 Internal error on Basic Notification test cases
- #328 Audio Configuration test cases not sorted by test-id

Leffe
The following tickets have been addressed/implemented, tests/features updated:

- Changes to the tickets [#77] FindEvents IncludeStartState=true, backward search, [#78] FindEvents IncludeStart=true mandatory as per comment https://wush.net/trac/onvif-ext/ticket/77#comment:15
- #193 Issue with REPLAY-3-3-5
- #203 Issue with REPLAY-3-1-10
- #208 Failure in REPLAY-3-1-12 and REPLAY-3-1-13
- #335 REPALY-3-1-12 does not find actual stream
- #265 Test Tool was broken in RTSS-1-1-26

Known issues

Version:　　　ONVIF Test Tool v. Kingfisher.130611
Date:　　　　11.06.2013

Version type:　The Release Candidate delivery of the ONVIF Device Test Tool as part of the Kingfisher, Leffe and Miller projects.

Description:　　The purpose of this delivery is to provide the Release Candidate version of Kingfisher, Leffe and Miller Test Tool edition with all of the tests/tickets implemented and/or modified for the release.

Miller
The following tickets have been addressed/implemented, tests/features updated:

- Updates based on the specification changes:
    - DOORCONTROL-2-1-6
    - DOORCONTROL-2-1-7
    - DOORCONTROL-2-1-8

- - DOORCONTROL-2-1-10
- Modification to FAIL tests consisting of the skipped steps
- [#253] Door/Changed and Door/Removed events to be moved under Profile conditional features;
- [#281] Some AccessControl test cases passes when no event has been received
- [#280] AccessTaken and AccessNotTaken test cases uses white space in TopicExpression in CreatePullPointSubscription
- [#276] Clarify that operation delay is used for PACS user interaction

Kingfisher

The following tickets have been addressed/implemented:

- Help file updated
- Installation guide updated
- [#274] DEVICE-3-1-10 GetSystemLog: Error creating a reader for the MTOM message. Fixed the bug in the Test Tool, moved the test case to diagnostics (as agreed on F2F in Singapore).
- [#211] listener for NOTIFY messages is created too late?
- [#221] Behaviors of RTSS-1-1-19, 20 and 21 are not correct
- [#251] Issue with IPCONFIG-1-1-2 IPV4 LINK LOCAL ADDRESS
- [#252] Issue with IMAGING-1-1-9 IMAGING COMMAND SETIMAGINGSETTINGS
- [#275] clarification regarding the test case Event-1-1-2 in ONVIF Device Test Tool Kingfisher.130520
- [#289] Internal error on PTZ-7-4-3/PTZ-7-4-4
- [#178] improvement for RTSS-4-1-1 (Metadata Streaming)
- [#186] Modification Required in Device-2-1-2
- [#206] Running EVENT-2-1-17 and EVENT-2-1-18 with short time between tests fails.
- [#216] Bug in RTSS-1-1-11 with GovLength not respecting range
- [#218] Deserialization error on large SimpleItem
- [#226] Issue with DEVICE-2-1-31 SET NETWORK DEFAULT GATEWAY CONFIGURATION - IPV6 – Partially fixed (more issues found in verification, see the details in the comments)
- [#248] Audio Test Cases for RTP/RTSP/TCP are Missing a Run Condition
- [#278] Resolution checking is misunderstood
- [#250] Unable to save management settings to .xml file if no device ip has been added in discovery tab
- [#291] Bye Message support isn't colored green using GetServices
- [#139] Installer should link to ffdshow or allow copying the URL

Leffe

The following tickets have been addressed/implemented, tests/features updated:

- [#148] Tests moved to diagnostics (as agreed on F2F in Singapore)
- [#197] Range header of PAUSE is not correct
- [#293] Add run condition for Replay test case of RTP/RTSP/TCP

- [#212] Issue with SEARCH-3-1-1
- Profile Detection and Test Case Summary for Profile G Conformance

Known issues
- Some PACS tests failed without warning if OperationDelay equals to 0
- [AC-5-1-2] Strange sequence of steps and warning message
- Profile G detection: Some device features are defined via DeviceIO service instead of Media service

Version: **ONVIF Test Tool v. Kingfisher.130520**
Date: 20.05.2013

Version type: The second delivery of the ONVIF Device Test Tool as part of the Kingfisher, Leffe and Miller projects.

Description: The purpose of this delivery is to provide the third version of Kingfisher, Leffe and Miller Test Tool edition with most (>90% of the scope) of the tests/tickets implemented and/or modified for the release.

Miller
The updates for the Miller project include the updates for the following features:

- Profile Detection and Test Case Summary for Profile C Conformance
- More exhaustive testing on the event mechanism updates (negative cases have been run), some errors fixed.

Kingfisher
The following tickets have been addressed/implemented:

- [#88] Clean up "timeout" values (added timing statistics shown in the log files)
- [#198] MEDIA-2-3-7 / VEC Usecount test cases problem
- [#224] Device Discovery Testcases need to be updated for new Profiles
- [#217] Issue with Predefined PTZ spaces Test Cases
- Profile S support check procedures updates

Leffe
The following tickets have been addressed/implemented:

- [#133] Remove WS-Base NOTification from Profile-G Test Cases
- [#148] Design & implement testcases for all Recording Control Events, the following test cases are included in the release (four tests are not included) (the test case now is finalized):
  - [RECORDING-5-1-6] RECORDING CONTROL – CREATE RECORDING EVENT
  - [RECORDING-5-1-7] RECORDING CONTROL – DELETE RECORDING EVENT
  - [RECORDING-5-1-8] RECORDING CONTROL – CREATE TRACK EVENT

- o [RECORDING-5-1-9] RECORDING CONTROL – DELETE TRACK EVENT
- o [RECORDING-5-1-10] RECORDING CONTROL – CREATE TRACK EVENT (CREATE RECORDING)
- o [RECORDING-5-1-11] RECORDING CONTROL – DELETE TRACK EVENT (DELETE RECORDING)
- o [RECORDING-5-1-12] RECORDING CONTROL – CREATE TRACK EVENT (CREATE TRACK)
- o [RECORDING-5-1-13] RECORDING CONTROL – CREATE TRACK EVENT (DELETE TRACK)
- o [RECORDING-5-1-14] RECORDING CONTROL – DELETE TRACK DATA EVENT

The following bugs have been addressed:

- #202 Conformance testing is not finished
- #255 Issue with SEARCH-5-1-6
- #194 TestTool expects the order even if it cyclicly counted

Known issues

- Installation guide has not been updated with the new screenshots (will be updated together with the help files in the end of the project).

Version: ONVIF Test Tool v. Kingfisher.130429
Date: 29.04.2013

Version type: The second delivery of the ONVIF Device Test Tool as part of the Kingfisher, Leffe and Miller projects.

Description: The purpose of this delivery is to provide the second version of Kingfisher, Leffe and Miller Test Tool edition with many tests/tickets implemented and/or modified for the release.

Change Log, v Kingfisher.130429

Miller
The updates for the Miller project include the updates for the following test cases with the notification mechanism refactored and changed to pullpoint (these are all the test cases that had been planned for the notification mechanism updates):

- ACCESSCONTROL-11-1-1
- ACCESSCONTROL-11-1-2
- ACCESSCONTROL-11-1-3
- ACCESSCONTROL-11-1-4
- ACCESSCONTROL-11-1-5
- ACCESSCONTROL-11-1-6
- ACCESSCONTROL-5-1-1
- ACCESSCONTROL-5-1-2
- ACCESSCONTROL-6-1-1
- ACCESSCONTROL-6-1-2

- ACCESSCONTROL-7-1-1
- ACCESSCONTROL-7-1-2
- ACCESSCONTROL-8-1-1
- ACCESSCONTROL-8-1-2
- ACCESSCONTROL-9-1-14
- ACCESSCONTROL-9-1-15
- ACCESSCONTROL-9-1-12
- ACCESSCONTROL-10-1-2
- ACCESSCONTROL-12-1-1
- ACCESSCONTROL-12-1-2
- ACCESSCONTROL-13-1-1
- ACCESSCONTROL-13-1-2
- DOORCONTROL-3-1-1
- DOORCONTROL-3-1-2
- DOORCONTROL-3-1-3
- DOORCONTROL-3-1-4
- DOORCONTROL-3-1-5
- DOORCONTROL-3-1-6
- DOORCONTROL-3-1-7
- DOORCONTROL-3-1-8
- DOORCONTROL-3-1-9
- DOORCONTROL-6-1-1
- DOORCONTROL-6-1-2
- DOORCONTROL-6-1-3
- DOORCONTROL-6-1-4
- DOORCONTROL-6-1-5
- DOORCONTROL-6-1-6
- DOORCONTROL-6-1-7
- DOORCONTROL-6-1-8
- DOORCONTROL-6-1-9
- DOORCONTROL-6-1-10
- DOORCONTROL-6-1-11
- DOORCONTROL-6-1-12
- DOORCONTROL-6-1-13
- DOORCONTROL-7-1-1
- DOORCONTROL-7-1-2

Common for all profiles
- Feature Discovery mechanism updated

Kingfisher
The following tickets have been addressed/implemented:

- [#1] Configuration Name Derivation
- [#2] Invalid Name Derivation
- [#88] Clean up "timeout" values (The default timeout values are updated, timing statistics not yet shown in the log files)
- [#145] Request to see RTSP requests & responses
- Installer updates (new installer had been implemented):
  - [#138] Request to allow Back in "Installation Complete" window
  - [#139] Installer should link to ffdshow or allow copying the URL (ffdshow download button is displayed in the UI, goes to the right page and starts downloading when pressed)
  - [#47] Installation of 2 test tool versions in parallel

Leffe

The following tickets have been addressed/implemented:

- [#134] Recording Control: RecordingSourceInformation
- [#142] Possible issue with RECORDING 3-1-3
- [#148] Design & implement testcases for all Recording Control Events, the following test cases are included in the release (four tests are not included):
  - RECORDING-5-1-1   RECORDING CONTROL – JOB STATE EVENT
  - RECORDING-5-1-2   RECORDING CONTROL – JOB STATE CHANGE EVENT
  - RECORDING-5-1-3   RECORDING CONTROL – RECORDING CONFIGURATION EVENT
  - RECORDING-5-1-4   RECORDING CONTROL – TRACK CONFIGURATION EVENT
  - RECORDING-5-1-5   RECORDING CONTROL – RECORDING JOB CONFIGURATION EVENT
- Notifications mechanism had been refactored in the following test cases:
  - RECORDING-2-1-1 START RECORDING ON MEDIA PROFILE
  - RECORDING-2-1-2 START RECORDING ON RECEIVER
  - RECORDING-2-1-3 STOP RECORDING ON MEDIA PROFILE - PUT JOB IN IDLE STATE
  - RECORDING-2-1-4 STOP RECORDING ON RECEIVER - PUT JOB IN IDLE STATE
  - RECORDING-2-1-5 STOP RECORDING ON RECEIVER - NEVER CONNECTED MODE
  - RECORDING-2-1-6 STOP RECORDING ON MEDIA PROFILE - DELETE JOB
  - RECORDING-2-1-7 STOP RECORDING ON MEDIA PROFILE - DELETE JOB
  - RECORDING-2-1-8 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - MEDIA PROFILE
  - RECORDING-2-1-9 MODIFY MEDIA ATTRIBUTE WHILE RECORDING - RECEIVER

The following bugs have been addressed:
- [#181] - PullMessages of Recording test cases does not have retry architecture
- [#200] - Invalid PullMessages request in RECORDING 2-1-1
- [#195] - xpath filter

- [#177] - Discovery-1-1-9 rollback
- [#188] - Issue with expected fault in RECORDING-4-1-6
- [#189] - Issue with expected fault in REPLAY-1-2-1
- [#136] - Crash observed with RTSS-1-2-7 and RTSS-1-2-8

Known issues

- Installation guide has not been updated with the new screenshots (will be updated together with the help files in the end of the project).
- The IDs of the tests below need to be renewed as follows (the updates to be included in the next releases):
  - RTSS-1-1-16   RTSS-1-1-46   VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
  - RTSS-1-2-1   RTSS-1-2-13   MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv4)
  - RTSS-1-2-2   RTSS-1-2-14   MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv4)
  - RTSS-1-2-3   RTSS-1-2-15   MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv4)
  - RTSS-1-2-4   RTSS-1-2-16   MEDIA STREAMING – JPEG (RTP-Multicast/UDP, IPv6)
  - RTSS-1-2-5   RTSS-1-2-17   MEDIA STREAMING – MPEG4 (RTP-Multicast/UDP, IPv6)
  - RTSS-1-2-6   RTSS-1-2-18   MEDIA STREAMING – H.264 (RTP-Multicast/UDP, IPv6)
  - RTSS-1-2-7   RTSS-1-2-19   VIDEO ENCODER CONFIGURATION – MULTICAST PORT (IPv4)
  - RTSS-1-2-8   RTSS-1-2-20   VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS (IPv4)
  - RTSS-1-2-9   RTSS-1-2-21   VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv4)
  - RTSS-1-2-10   RTSS-1-2-22   VIDEO ENCODER CONFIGURATION – MULTICAST ADDRESS AND PORT IN RTSP SETUP (IPv6)
  - RTSS-1-2-11   RTSS-1-2-23   MEDIA STREAMING – GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP) (ALL VIDEO SOURCE CONFIGURATIONS)
  - DEVICE-5-1-4   DEVICE-5-1-11   IO COMMAND SETRELAYOUTPUTSETTINGS – INVALID TOKEN
  - DEVICE-5-1-10   DEVICE-5-1-12   IO COMMAND SETRELAYOUTPUTSTATE – INVALID TOKEN

Version: **ONVIF Test Tool v. Kingfisher.130401**
Date: 01.04.2013

Version type: The first delivery of ONVIF Device Test Tool as part of the Kingfisher, Leffe and Miller projects.

Description: The purpose of this delivery is to provide the first version of Kingfisher, Leffe and Miller Test Tool edition with many tests/tickets implemented and/or modified for the release.

Change Log, v Kingfisher.130401

Miller

The updates for the Miller project include the updates for the following test cases with the logic and notification mechanism updates (the other test cases contain errors and have been disabled therefore):

- ACCESSCONTROL-6-1-1
- ACCESSCONTROL-6-1-2
- ACCESSCONTROL-9-1-14
- ACCESSCONTROL-9-1-15
- ACCESSCONTROL-9-1-12
- DOORCONTROL-3-1-2
- DOORCONTROL-3-1-3
- DOORCONTROL-3-1-4
- DOORCONTROL-3-1-5
- DOORCONTROL-3-1-6
- DOORCONTROL-3-1-7
- DOORCONTROL-3-1-8
- DOORCONTROL-3-1-9

Kingfisher

The following tickets have been addressed/implemented:

- [#171] Merge Project Jackhammer Test Tool
- [#97] Request for errata handling (IMAGING-1-1-6)
- [#104] Correct test cases for set default gateway
- [#136] Crash observed with RTSS and RTSS-1-2-8
- [#16] Test all video resolutions
- [#17] Test all encodings supported by a VideoEncoderConfiguration
- [#18] Validate Multistreaming capabilities
- [#19] Validation of Multicast IPv4 address
- [#107] Bug in RTSS-1-1-20
- [#135] Improve discovery in Test Tool - Part 2
- [#140] MEDIA-2-1-7 and encoding NOT present in the GetGuaranteedNumberOfVideoEncoderInstancesResponse
- [#8] WS-BaseNotification no validation of WS-Addressing Action element

Leffe

- [#77] FindEvents IncludeStartState=true, backward search
- [#78] FindEvents IncludeStart=true mandatory

The following bugs has been addressed:

- [#181] - PullMessages of Recording test cases does not have retry architecture
- [#79] - Issue with REPLAY-3-1-12
- [#209] - event 4-1-x subscription termination

- [#205] - find unused port in EVENT-2-1-17 and EVENT-2-1-18

Project Heineken

Version: **ONVIF Test Tool v. Heineken.121112**
Date: 12.11.2012

Version type: 3rd Prototype

Description: 3rd Prototype of ONVIF Device Test Tool version "Heineken" (official name "version Heineken.121112") with all planned test cases and new features implemented.

Change Log, v. Heineken121012
1. Ticket #94 implemented
2. Testing is in progress at AS side. The following cases have been verified:
    a. RTSS-3-2-14   VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT PORTS
    b. RTSS-3-2-15   VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT ADDRESS
    c. SEARCH-6-1-3   FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
    d. SEARCH-6-1-5   FIND PTZ POSITIONS WITH RECORDING INFORMATION FILTER
    e. RTSS-1-1-24 MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)
    f. RTSS-1-2-9 VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS AND PORT IN RTSP Setup (IPv4)
    g. RTSS-1-2-10 VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS AND PORT IN RTSP Setup (IPv6)
    h. RTSS-1-2-7 VIDEO ENCODER CONFIGURATION - MULTICAST PORT (IPv4)
    i. RTSS-1-2-8 VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS (IPv4)
    j. RTSS-1-1-16 VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION
    k. RTSS-1-1-17 VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION
    l. RTSS-1-1-18 VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION
    m. RTSS-1-1-19 MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP)
    n. RTSS-1-1-20 MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)
    o. RTSS-1-1-21 MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP)
    p. RTSS-1-1-22 MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES RTP/RTSP/TCP

      q. RTSS-1-1-23 MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)

3. The following bugs reported at wush are fixed:
      a. #75
      b. #96
      c. #99
      d. #100
      e. #101
      f. #102
      g. #105
      h. #106

Known Limitations, v121101

1. Limited testing

Change Log, v. Heineken121001

1. Following test cases have been added:

      a. Recording Control Service

         i. [RECORDING-1-1-1] RECORDING CONTROL SERVICE CAPABILITIES
        ii. [RECORDING-1-1-2] GET SERVICES AND GET RECORDING CONTROL SERVICE CAPABILITIES CONSISTENCY
        iii. [RECORDING-2-1-1] START RECORDING ON MEDIA PROFILE
        iv. [RECORDING-2-1-2] START RECORDING ON RECEIVER
        v. [RECORDING-2-1-3] STOP RECORDING ON MEDIA PROFILE - PUT JOB IN IDLE STATE
        vi. [RECORDING-2-1-4] STOP RECORDING ON RECEIVER - PUT JOB IN IDLE STATE
        vii. [RECORDING-2-1-5] STOP RECORDING ON RECEIVER - NEVER CONNECTED MODE
        viii. [RECORDING-2-1-6] STOP RECORDING ON MEDIA PROFILE - DELETE JOB
        ix. [RECORDING-2-1-7] STOP RECORDING ON RECEIVER - DELETE JOB
        x. [RECORDING-2-1-8] MODIFY MEDIA ATTRIBUTE WHILE RECORDING - MEDIA PROFILE
        xi. [RECORDING-2-1-9] MODIFY MEDIA ATTRIBUTE WHILE RECORDING - RECEIVER
        xii. [RECORDING-3-1-1] DYNAMIC RECORDINGS CONFIGURATION
        xiii. [RECORDING-3-1-2] DYNAMIC TRACKS CONFIGURATION
        xiv. [RECORDING-3-1-3] RECORDING JOB CONFIGURATION - DIFFERENT PRIORITIES
        xv. [RECORDING-4-1-1] GET RECORDINGS
        xvi. [RECORDING-4-1-2] GET RECORDING CONFIGURATION
        xvii. [RECORDING-4-1-3] GET RECORDING CONFIGURATION - INVALID TOKEN
        xviii. [RECORDING-4-1-4] GET RECORDING JOBS
        xix. [RECORDING-4-1-5] GET RECORDING JOB CONFIGURATION
        xx. [RECORDING-4-1-6] GET RECORDING JOB CONFIGURATION - INVALID TOKEN
        xxi. [RECORDING-4-1-7] GET RECORDING JOB STATE

xxii. [RECORDING-4-1-8] GET RECORDING JOB STATE WITH INVALID TOKEN
xxiii. [RECORDING-4-1-9] GET TRACK CONFIGURATION
xxiv. [RECORDING-4-1-10] GET TRACK CONFIGURATION WITH INVALID TOKEN

b. Recording Search Service

i. [SEARCH-2-1-13] FIND RECORDINGS WITH RECORDING INFORMATION FILTER (ONLY AUDIO)
ii. [SEARCH-2-1-14] FIND RECORDINGS WITH RECORDING INFORMATION FILTER (ONLY METADATA)
iii. [SEARCH-2-1-15] FIND RECORDINGS WITH RECORDING INFORMATION FILTER (VIDEO AND AUDIO)
iv. [SEARCH-2-1-16] FIND RECORDINGS WITH RECORDING INFORMATION FILTER (VIDEO AND METADATA)
v. [SEARCH-5-1-2] FIND METADATA – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS)
vi. [SEARCH-5-1-3] FIND METADATA – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
vii. [SEARCH-5-1-4] FIND METADATA (MAXMATCHES = 1)
viii. [SEARCH-5-1-5] FIND METADATA (NO RESULTS)
ix. [SEARCH-6-1-1] FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS EQUAL TO RECORDING ENDPOINTS)
x. [SEARCH-6-1-2] FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS OUTSIDE RECORDING ENDPOINTS)
xi. [SEARCH-6-1-3] FIND PTZ POSITION – FORWARD AND BACKWARD SEARCH (SEARCH ENDPOINTS INSIDE RECORDING ENDPOINTS)
xii. [SEARCH-6-1-4] FIND PTZ POSITION (MAXMATCHES = 1)
xiii. [SEARCH-6-1-5] FIND PTZ POSITIONS WITH RECORDING INFORMATION FILTER
xiv. [SEARCH-6-1-6] FIND PTZ POSITION – SEARCHING IN A CERTAIN POSITION
xv. [SEARCH-6-1-7] GET PTZ POSITION SEARCH RESULTS WITH INVALID SEARCHTOKEN

c. Replay Service

i. [REPLAY-3-2-5] REVERSE PLAYBACK AUDIO STREAMING – RTP-Unicast/UDP
ii. [REPLAY-3-2-6] REVERSE PLAYBACK AUDIO STREAMING – RTP-Unicast/RTSP/HTTP/TCP
iii. [REPLAY-3-2-7] REVERSE PLAYBACK AUDIO STREAMING – RTP/RTSP/TCP
iv. [REPLAY-3-3-5] REVERSE PLAYBACK METADATA STREAMING – RTP-Unicast/UDP
v. [REPLAY-3-3-6] REVERSE PLAYBACK METADATA STREAMING – RTP-Unicast/RTSP/HTTP/TCP
vi. [REPLAY-3-3-7] REVERSE PLAYBACK METADATA STREAMING – RTP/RTSP/TCP
vii. [REPLAY-3-4-5] REVERSE PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RTP-Unicast/UDP
viii. [REPLAY-3-4-6] REVERSE PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RTP-Unicast/RTSP/HTTP/TCP
ix. [REPLAY-3-4-7] REVERSE PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RTP/RTSP/TCP
d. Media Service

       i.   [MEDIA-2-1-7] GET GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES AND GET VIDEO ENCODER CONFIGURATION OPTIONS CONSISTENCY

       ii.   [MEDIA-2-3-11] VIDEO ENCODER CONFIGURATIONS – ALL SUPPORTED VIDEO ENCODERS

       iii.   [MEDIA-3-3-11] AUDIO ENCODER CONFIGURATION OPTIONS AND AUDIO ENCODER CONFIGURATIONS CONSISTENCY (BITRATE AND SAMPLERATE)

       iv.   [MEDIA-3-1-11] SET AUDIO ENCODER CONFIGURATION

e. PTZ Service

       i.   [PTZ-5-1-3] PTZ – HOME POSITION OPERATIONS (USAGE OF FIXEDHOMEPOSITION FLAG)

f. Real-Time Streaming

       i.   [RTSS-2-2-1] AUDIO ENCODER CONFIGURATION - MULTICAST PORT (IPv4)

       ii.   [RTSS-2-2-2] AUDIO ENCODER CONFIGURATION - MULTICAST ADDRESS (IPv4)

       iii.   [RTSS-1-2-7] VIDEO ENCODER CONFIGURATION - MULTICAST PORT (IPv4)

       iv.   [RTSS-1-2-8] VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS (IPv4)

       v.   [RTSS-1-2-9] VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS AND PORT IN RTSP Setup (IPv4)

       vi.   [RTSS-1-2-10] VIDEO ENCODER CONFIGURATION - MULTICAST ADDRESS AND PORT IN RTSP Setup (IPv6)

       vii.   [RTSS-1-1-16] VIDEO ENCODER CONFIGURATION – JPEG RESOLUTION

       viii.   [RTSS-1-1-17] VIDEO ENCODER CONFIGURATION – MPEG4 RESOLUTION

       ix.   [RTSS-1-1-18] VIDEO ENCODER CONFIGURATION – H.264 RESOLUTION

       x.   [RTSS-1-1-19] MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/UDP)

       xi.   [RTSS-1-1-20] MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Multicast/UDP)

       xii.   [RTSS-1-1-21] MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (RTP-Unicast/RTSP/HTTP/TCP)

       xiii.   [RTSS-1-1-22] MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES RTP/RTSP/TCP

       xiv.   [RTSS-1-1-23] MEDIA STREAMING –GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES (MIX OF TRANSPORT TYPES)

       xv.   [RTSS-2-1-10] AUDIO STREAMING – G.711 (RTP-Unicast/UDP)

       xvi.   [RTSS-2-1-11] AUDIO STREAMING – G.711 (RTP-Unicast/RTSP/HTTP/TCP)

       xvii.   [RTSS-2-1-12] AUDIO STREAMING – G.711 (RTP/RTSP/TCP)

       xviii.   [RTSS-2-1-13] AUDIO STREAMING – G.726 (RTP-Unicast/UDP)

       xix.   [RTSS-2-1-14] AUDIO STREAMING – G.726 (RTP-Unicast/RTSP/HTTP/TCP)

       xx.   [RTSS-2-1-15] AUDIO STREAMING – G.726 (RTP/RTSP/TCP)

       xxi.   [RTSS-2-1-16] AUDIO STREAMING – AAC (RTP-Unicast/UDP)

       xxii.   [RTSS-2-1-17] AUDIO STREAMING – AAC (RTP-Unicast/RTSP/HTTP/TCP)

       xxiii.   [RTSS-2-1-18] AUDIO STREAMING – AAC (RTP/RTSP/TCP)

       xxiv.   [RTSS-3-2-8] MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv4)

       xxv.   [RTSS-3-2-9] MEDIA STREAMING – G.711 (RTP-Multicast/UDP, IPv6)

       xxvi.   [RTSS-3-2-10] MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv4)

       xxvii.   [RTSS-3-2-11] MEDIA STREAMING – G.726 (RTP-Multicast/UDP, IPv6)

       xxviii.   [RTSS-3-2-12] MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv4)

       xxix.   [RTSS-3-2-13] MEDIA STREAMING – AAC (RTP-Multicast/UDP, IPv6)

      xxx.   [RTSS-5-1-4] START AND STOP MULTICAST STREAMING – G.711 (IPv4, ONLY AUDIO PROFILE)

      xxxi.   [RTSS-5-1-5] START AND STOP MULTICAST STREAMING – G726 (IPv4, ONLY AUDIO PROFILE)

      xxxii.   [RTSS-5-1-6] START AND STOP MULTICAST STREAMING – AAC (IPv4, ONLY AUDIO PROFILE)

      xxxiii. [RTSS-3-2-14] VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT PORTS

      xxxiv. [RTSS-3-2-15] VIDEO AND AUDIO ENCODER CONFIGURATION – DIFFERENT ADDRESS

      xxxv.   [RTSS-1-1-16] MEDIA STREAMING – JPEG (VALIDATING RTP HEADER EXTENSION)

2. Possibility to save and load configuration file has been added (Ticket #36)
3. Handling JPEG RTP Extension added (Ticket #9)
4. Grouping devices after getting Discovery reply has been improved (Ticket #70)
5. "Halt" handling has been added in stream waiting (Ticket #73)
6. DHCPv6 checking added (Ticket #50)
7. Possibility to send scopes in Discovery request added (Ticket #71)

Known Limitations, v121101

2. Very limited testing
3. Ticket #94, appeared during development cycle, not included.

Change Log, v. Heineken121001

1. Merge Project Guinness Test Tool (Ticket #68)
2. RTSS-5-1-2 ends abruptly in the test tool delivered on 31/05/2012 (Ticket #57)
3. Problems with RTSS-1-1-15, RTSS-5-1-1, RTSS-5-1-3 (Ticket #58)
4. DISCOVERY-1-1-9 incorrectly tries to use same tcp connection after reboot (Ticket #72)
5. IPv6 Multicast test cases (Ticket #25)
6. Request to check test tool test cases for scope parameters (Ticket #49)
7. Following test cases were added:

    g. Receiver Service

      i.   [RECEIVER-1-1-1] RECEIVER SERVICE CAPABILITIES

      ii.   [RECEIVER-1-1-2] GET SERVICES AND GET RECIEVER SERVICE CAPABILITIES CONSISTENCY

      iii.   [RECEIVER-2-1-1] GET RECEIVERS

      iv.   [RECEIVER-2-1-2] GET RECEIVER

      v.   [RECEIVER-2-1-3] GET RECEIVER WITH INVALID TOKEN

      vi.   [RECEIVER-2-1-4] GET RECEIVER STATE

      vii. [RECEIVER-2-1-5] GET RECEIVER STATE WITH INVALID TOKEN

      viii. [RECEIVER-2-1-6] CREATE RECEIVER

      ix.   [RECEIVER-2-1-7] CREATE RECEIVER - PERSISTANCE

      x.   [RECEIVER-2-1-8] CREATE RECEIVER - MAX NAMBER OF RECIEVERS

      xi.   [RECEIVER-2-1-9] DELETE RECIEVER

      xii. [RECEIVER-2-1-10] DELETE RECIEVER WITH INVALID TOKEN

      xiii. [RECEIVER-2-1-11] SET RECEIVER MODE

xxiii. [REPLAY-3-4-3] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RTP-Unicast/RTSP/HTTP/TCP

xxiv. [REPLAY-3-4-4] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RTP/RTSP/TCP

xxv. [REPLAY-3-4-8] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – PAUSE WITHOUT

xxvi. [REPLAY-3-4-9] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – PAUSE WITH RANGE

xxvii. [REPLAY-3-4-10] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – STOP OF PLAYING

xxviii. [REPLAY-3-4-11] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – RATECONTROL

xxix. [REPLAY-3-4-12] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – IMMEDIATE HEADER

xxx. [REPLAY-3-4-13] PLAYBACK VIDEO, AUDIO, AND METADATA STREAMING – SEEK

8. Includes latest bugfixes

Known Limitations, v121001

1. Very limited testing
2. Test logic is not updated according the latest WG members comments

Project Erdinger

Change Log, v. Erdinger120613

1. Changes in WS-addressing validation for Event service
2. Changes in IP v6 Multicast
3. WSDL schemas updated
4. Help file updated.
5. Installation Guide updated

Known Limitations, v120613

1. IPv6 Multicast is unstable
2. JPEG RTP Extension problem still not solved.

Change Log, v. Erdinger120531

1. Validation of PTZPosition in move test cases is too strict (Ticket #21)
2. Provide a warning if some necessary fields are empty (Ticket #10)
3. Fix for PTZ test (Ticket #44). Configurable timeout as for other operations is used.
4. Strange warning for Event test cases (Ticket #22)

Known Limitations, v120531

1. IPv6 Multicast is unstable
2. JPEG RTP Extension problem still not solved.
3. Help file updated partially.
4. Installation Guide not updated
5. WSDL schemas not updated.

Change Log, v. Erdinger120521

1. TestTool request templates location issue (Ticket #34)
2. Decoder updated to latest stable ffdshow release (Ticket #31)
3. Support for 64 bits Windows OS (Ticket #33)
4. Test implementation for GetServices and GetServiceCapabilities (Ticket #24, Ticket #27)
5. Multiple profile support (Ticket #29)
6. Silent mode (Ticket #30)
7. Digest authentication test cases (Ticket #23)
8. Improved socket handling (Ticket #32)
9. Postponed Multicast streaming (IPv4, IPv6) test cases added (Ticket #25, #26)
10. WS-Addressing Action elements in response message for Event service tests implementation (Ticket #8)
11. Test details observation while other test cases are running (Ticket #3)
12. AutoRepeat current test run (Ticket #6)
13. Rtsp-over-Http using line breaks in Base64 encoding test cases (Ticket #7)
14. Setting invalid AudioEncoderConfiguration (Ticket #13)
15. PTZ position validation (Ticket #21)

Known Limitations, v120521

1. Help file not updated
2. Very limited testing
3. "Multiple profiles" support is "invisible", since this verison has only one profile

Change Log, v11.12

1. Includes latest bugfixes.
2. Official version assigned

Older Versions

Change Log, vDecember.111213

1. Includes latest bugfixes.

Change Log, vDecember.111207
1. Help file updated.

Known Limitations, vDecember.111207
1. Version can include bugs.

Change Log, v1.02.5.5
1. "During feature definition, consider any fault as "action not supported" when method is called to check feature support" logic implemented.
2. Documents generation completed.
3. PTZ Tests restored
4. Detailed output for profiles definition process (displayed when user selects profile in profiles tree).

Known Limitations, v1.02.5.5
1. Version can include bugs.

Change Log, v1.02.5.4
1. "Allow errors during feature definition, run conformance assuming undefined = supported" logic implemented.
2. Documents generation requirement is partially fulfilled:
   a. DoC generation possibility added accordingly to the template received (changes are expected)
   b. Test Report (pdf) generation is updated (previous version worked with only a subset of features currently considered)
   c. Debug Report (xml) generation added
3. Media Tests restored
4. Discovery updated in order not to require "Core 2.1" behavior
5. CR for Hugo (SetVideoEncoderConfiguration test cases with 3 iterations) – included
6. CR from Baldvin (Postpone all test cases for GetService and GetServiceCapabilites. Not use GetService and GetServiceCapabilites in feature detection in this release) - included

Known Limitations, v1.02.5.4
1. Some of the test cases could include bugs.
2. No detailed output during profile definition process.
3. PTZ tests not included.
4. "Features list" document is not generated.

Change Log, v1.02.5.3
1. Features tree updated accordingly last requirements
2. Stable features definition process.
3. Preliminary profiles tree coloring before test execution.

4. Profiles tree coloring after execution
5. Updated discovery and discovery tests.
6. Capabilities exchange style and authentication type can be selected at Debug tab.
7. Capabilities exchange style and authentication type are defined automatically for requests at "Management" tab.
    NOTE: some Golden Unit we have require authentication for methods with "PRE_AUTH" access class. Test Tool allows this.
8. Device information for report is defined automatically
9. CR for IPCONFIG-1-1-2 implemented
10. CR for MEDIA-1-1-2 DYNAMIC MEDIA PROFILE CONFIGURATION implemented
11. List of Test cases included in current version you could find in Total Test List.xlsx (see column Included in Current Version)

Known Limitations, v1.02.5.3

1. "Allow errors during feature definition, run conformance assuming undefined = supported" logic not included.
2. Most of decisions made at F2F are not implemented yet.
3. Some of the test cases could include bugs.

Change Log, v1.02.5.2

1. Profiles information is reflected in the Tool (one more tree at Diagnostic page)
2. Profiles tree is colored after tests execution (in conformance mode, or with using Run All in diagnostic)

Known Limitations, v1.02.5.2

1. Tests which need to be changed are excluded from this release except media tests (for those tests which required just changing requirement level from "MUST" to "MUST IF Media Service" requirement level has been changed in this version)
2. Features discovery could be unstable in the part of Get Snapshot URI and Configurable Home position detection

Change Log, v1.02.5.1

1. Features are defined via communicating with DUT, not by test operator.
2. Features defined are displayed at the tree located at the Diagnostic page.
3. User input is reduced where possibly. The following is selected before tests:
    -   Operation which requires authorization
    -   Event topic
    -   Event subscription timeout
4. Miscellaneous GUI changes requested (Application information removed; Requests tab moved to Device page, no radiobuttons for Conformance/Diagnostic mode).

Known Limitations, v1.02.5.1

1. Tests which need to be changed are excluded from this release except media tests (for those tests which required just changing requirement level from "MUST" to "MUST IF Media Service" requirement level has been changed in this version)
2. Report functionality has not been changed.

Change Log, v1.02.4.3

1. Bugs with session timeout (reported by Kitaoka) fixed.
2. Profile name generation algorithm updated to use only [a-z, A-Z] symbols (problem reported by Kitaoka)

Known Limitations, v1.02.4.3

1. RTSS tested only with limited number of devices.
2. For Event service, xs:datetime values without timezone information are treated as local time.

Number 1.02.4.2 has been skipped, since binaries in delivery 1.02.4.1 were by mistake marked as 1.02.4.2.

Change Log, v1.02.4.1

1. Bugs in PTZ test are fixed. Tests are corrected to handle null values more user-friendly.
2. Tests set corrected according to decisions made during F2F meeting.
3. Discovery module no more conflicting with system services.
4. Problem with NIC selection is fixed
5. Discovery module no more conflicts with system services (bug reported by Arie Muijnck).
6. Tests numbering updated; postponed tests removed.

Known Limitations, v1.02.4.1

1. RTSS tested only with limited number of devices.
2. For Event service, xs:datetime values without timezone information are treated as local time.

Change Log, v1.02.3.8

1. Time Synchronization has been removed from the beginning of the test procedure. Attempts to synchronize time after tests which affects DUTs time have been left.
2. HTTP Digest authentication has been added.
3. Bug "Root element is missing" (reported by Bosch) has been fixed.
4. Bug "SetSystemDateAndTime with NTP fails to correctly compare the timezone" reported by Bosch has been fixed.
5. Bug "Strange Relay Settings" has been fixed.
6. Following test cases were added (position of test in test tree is object to discuss):
   a. Media configuration -> [NEW] (Name is subject to be changed)

x. DEVICEIO-1-1-10 IO COMMAND SETRELAYOUTPUTSTATE – INVALID TOKEN
c. PTZ -> PTZ Configuration
    i. PTZ-2-1-6 PTZ CONFIGURATIONS AND PTZ CONFIGURATION CONSISTENCY
    ii. PTZ-2-1-7 PTZ CONFIGURATIONS AND PTZ NODES CONSISTENCY
    iii. PTZ-2-1-8 PTZ CONFIGURATIONS AND PTZ CONFIGURATION OPTIONS CONSISTENCY
d. General -> Namespaces
    i. GENERAL-1-1-1 DEVICE MANAGEMENT - NAMESPACES (DEFAULT NAMESPASES FOR EACH TAG)
    ii. GENERAL-1-1-2 DEVICE MANAGEMENT - NAMESPACES (DEFAULT NAMESPASES FOR PARENT TAG)
    iii. GENERAL-1-1-3 DEVICE MANAGEMENT - NAMESPACES (NOT STANDARD PREFIXES)
    iv. GENERAL-1-1-4 DEVICE MANAGEMENT - NAMESPACES (DIFFERENT PREFIXES FOR THE SAME NAMESPACE)
    v. GENERAL-1-1-5 DEVICE MANAGEMENT - NAMESPACES (THE SAME PREFIX FOR DIFFERENT NAMESPACES)
    vi. GENERAL-1-2-1 EVENT - NAMESPACES (DEFAULT NAMESPASES FOR EACH TAG)
    vii. GENERAL-1-2-2 EVENT - NAMESPACES (DEFAULT NAMESPASES FOR PARENT TAG)
    viii. GENERAL-1-2-3 EVENT - NAMESPACES (NOT STANDARD PREFIXES)
    ix. GENERAL-1-2-4 EVENT - NAMESPACES (DIFFERENT PREFIXES FOR THE SAME NAMESPACE)
    x. GENERAL-1-2-5 EVENT - NAMESPACES (THE SAME PREFIX FOR DIFFERENT NAMESPACES)

Known Limitations, v1.02.3.8

1. Not tested new test cases could contain any bugs.
2. Position of new test cases in test tree is temporary.
3. Digest authentication has been tested with DUT simulator under IIS 6.0 and with DUT simulator with Digest Authentication Module (http://www.rassoc.com/gregr/weblog/2002/07/09/web-services-security-http-digest-authentication-without-active-directory/). No devices for testing are available now.
4. Changes in Media Specification (from "(MEDIA) Test Specification Draft Part2 20110517.docx" document) are not incorporated into this version.

Change Log, v1.02.3.7

1. Time Synchronization was update to start test cases even if Time Synchronization failed.
2. Bug with wrong namespace of Action tags in Event command headers was fixed.
3. Bug about local data and time in Security header was fixed.
4. Following test cases were added (position of test in test tree is object to discuss):
    a. Device Management -> I/O
    b. Device Management -> System Log
    c. Imaging
    d. Real Time Streaming -> Video Streaming
    e. Real Time Streaming -> Audio and Video Streaming
    f. Real Time Streaming -> Audio Streaming

Known Limitations, v1.02.3.7

1. Not tested new test cases could contain any bugs.

2. Following bug were found in Device Management -> I/O and Device Management -> System Log:
   a. [DEVICE-5-1-4] Fault check too strict
   b. [DEVICE-5-1-4] Invalid DelayTime format in the test with invalid token
   c. [DEVICE-5-1-5] [DEVICE-5-1-6] [DEVICE-5-1-7] [DEVICE-5-1-8] [DEVICE-5-1-9] Message box for user must contains more information
   d. [DEVICE-5-1-5] Wrong order of open/close check
   e. [DEVICE-5-1-10] Too strict fault validation
   f. [DEVICE-6-1-1] Deserialization error for some cases
3. Position of new test cases in test tree is temporary.

Change Log, v1.02.3.6
1. Validation of DUT response according to XML Schema was included in version.
2. Time Synchronization before test cases and after some test case with possible time change was included in version.
3. New ID for test cases was included in version.
4. GUI for Management tab was updated. Also administrator credentials were moved to Discovery tab.
5. List of failed test cases was added to report.

Known Limitations, v1.02.3.6
1. No validation according to XML schema for notifications in events tests.
2. There are some bugs connected to control alignment and tab order for GUI changes.

Change Log, v1.02.3.5
1. SetSynchronizationPoint issue was included in version.
2. Copyright date was updated in About.

Change Log, v1.02.3.4
1. "[CR # 218 Errata #] Missing BitRateRange in Mpeg4Options and H264Options" was included in version.
2. "[CR][AXIS][6.2.24] Add new capabilites check in 6.2.24" was included in version.
3. "[CR][AXIS][9.3.7] Remove PullMessages request with invalid parameters" was included in version.
4. "[AXIS]Onvif Conformance report - Onvif Test Summary" was fixed in version.
5. Help pages were updated.

Known Limitations, v1.02.3.4
1. Session timeout issue (test case 9.4.1) was not tested (there is no camera with such issue).

Change Log, v1.02.3.3
1. All futures for prototype were disabled:
   a. No Core Specification selection
   b. No device type selection
2. Following errata were included in version:
   a. [CR # 207 Errata # 2.15] Update to new Name ONVIF™
   b. [CR # 219 Errata #] GetSystemDateAndTime – UTCDateTime Mandatory (test cases 6.3.1, 6.3.2, 6.3.4, 6.3.5)

3. Following bugs from RfQ were fixed:
    a. DNS issue (test cases 6.2.6, 6.2.7)
    b. Session timeout issue (test case 9.4.1)

Known Limitations, v1.02.3.3

1. [CR # 218 Errata #] Missing BitRateRange in Mpeg4Options and H264Options doesn't work because of xs:any element parsing/schema issue (see e-mail [ONVIF Test Tool] possible schema issue for more details)
2. Session timeout issue (test case 9.4.1) was not tested (there is no camera with such issue).

Change Log, v1.02.3.2

1. Two bugs from Hikvision were fixed:
    a. Bug 10501: [Hikvision][9.3.7] Internal error occurred: '.', hexadecimal value 0x00, is an invalid character. Line 53, position 1.
    b. Bug 10505: [Hikvision][9.2.8,9.3.8] Internal error occurred: Object reference not set to an instance of an object.
2. Core Specification selection was added on Setup tab. Selected Core Specification is included in report. If Core Specification 1.02 Device Type selection will be disabled and only NVT will be selected.
3. Management tab was redesigned to include Device Type options.
4. Device Type selection was added on Management tab.
5. Device Services were added in Product Features tree.
6. Test selection depending on Device Type and selected Services was added with limitation. (Test selection now works in general way as example. For example no dependence between Device Type and Capabilities tests.)
7. Selected test services included in report.

Known Limitations, v1.02.3.2

1. There is no Device Type in Report.
2. There is no compatibility for old saved settings.
3. "NVT" is still present in Test cases.
4. Core Specification selection doesn't save after close/open application.
5. Mandatory tests count and conformance pass/failed decision in Report not depend on Device Type and Service selection.
6. Test selection in Conformance Mode depending on Service Selection and Device Type implemented in general way as example.
7. There is no information about service and device type in test tool tips.

Change Log, v1.02.3.1

1. Events test cases are included in current version: 9.1.1, 9.2.1-8, 9.3.1-8, 9.4.1
2. Last version of WSDL for events was integrated

Change Log, v1.02.2.3

1. Updated user interface
    1) Extended environment settings on Management tab (PTZNode added)

2) Updated Device -> Media tab: Profile selection, Bitrate limit, and Framerate limit added

3) Updated Device -> PTZ tab: Relative move added

2. Updated help pages

3. Added test cases (Note: Detailed description of test cases is covered in Release Notes document of ONVIF Test Specification, v1.02)

    1) Event handling

        a. 9.1.1, 9.2.1-8, 9.3.1-8.

        b. Under construction: 9.4.1

    2) Security

        a. 11.1

4. IPv6 real-time streaming is partially supported (will be fully supported in a next version)

5. Following CR was implemented:

    1) [CR8] 'fixed' attribute in media profiles

    2) [CR10] Guaranteed number of video encoder instances

    3) [CR27] Session Timeout comparison – JPEG

    4) [CR29] Session Timeout comparison – H264

    5) [CR30] Session Timeout comparison – G711

    6) [CR31] Session Timeout comparison – G726

    7) [CR32] Session Timeout comparison – AAC

    8) [CR33] SetHostname error case

    9) [CR9] 'fixed' attribute in media profiles

    10) [CR28] Session Timeout comparison – MPEG

    11) [CR34] NVT Security Command Delete Users Delete All Users

    12) [CR35] NVT System Command Factory Default Soft

    13) [CR36] NVT Network Command SetHostname Test

    14) [CR37] Remove Administrator user creation in Test case 6.4.2

Known Limitations, v1.02.2.3

1. Event handling test 9.4.1 are under construction

2. RTP/TCP real-time streaming is not supported. Pending for comments from WG. Probably will be removed from Phase-2 scope.

3. It is not possible to stream JPEG with RTP with resolution larger than 2040

4. Test with details in fault and type ResourceUnknown doesn't recognize it (there was question to WG)

5. IPv6 real-time streaming is not fully supported yet

6. Bugs in new functionality are possible

Change Log, v1.02.2.1

1. Updated user interface

    1) Extended environment settings on Management tab (for IPv6 and Gateway)

    2) Implemented Device -> Media tab (not fully tested yet)

    3) Implemented Device -> PTZ tab (not fully tested yet. Note: PTZ works according new wsdl of 1.02 version and doesn't support old version 1.01)

    4) Implemented Request tab (not fully tested yet. Note: now there is only several requests in templates, just for example)

2. Updated help pages
3. Added test cases (Note: Detailed description of test cases is covered in Release Notes document of ONVIF Test Specification, v1.02)
    1) Device Management, Capabilities: 6.1.5, 6.1.6
    2) Device Management, Network: 6.2.5 , 6.2.7, 6.2.8, 6.2.10, 6.2.13, 6.2.14, 6.2.16-6.2.29
    3) Device Management, Security (this group is not tested yet): 6.4.1-6.4.8
    4) Media configuration: 7.4.1
    5) Real Time Streaming (this group is not tested yet): 8.1.11, 8.1.16
    6) Event handling
        a. Done but not tested: 9.3.1, 9.3.7, 9.3.8.
        b. Under construction: all other 9.*.* tests
    7) PTZ 1.02 (this group is not tested yet): 10.1.1-10.1.3, 10.2.1-10.2.5, 10.3.1-10.3.5, 10.4.1-10.4.3, 10.4.3, 10.5.1, 10.5.2, 10.6.1, 10.7.1.1, 10.7.1.2, 10.7.2.1, 10.7.2.2, 10.7.3.1, 10.7.3.2, 10.7.4.1, 10.7.4.2

Known Limitations, v1.02.2.1

1. Event handling test are under construction. Only : 9.3.1, 9.3.7, 9.3.8 are finished and ready for testing
2. RTP/TCP real-time streaming is not supported. Pending for comments from WG. Probably will be removed from Phase-2 scope.
3. Test case 11.1 NVT USER TOKEN PROFILE is not implemented yet. AstroSoft has a question to WG
4. IPv6 real-time streaming is not supported yet
5. It is not possible to stream JPEG with RTP with resolution larger than 2040

Change Log, v1.02.1.9

1. Conformance mode
   Management tab is now close to proposed layout
2. Fixing
   Please look into provided list of issues

Change Log, v1.02.1.8

1. CR apply
   Applied CR ## 13, 22-25
2. Fixing
   Please look into provided list of issues
3. Test Set
   RTP/TCP streaming had been withdrawn
   G.726 had been added

Change Log, v1.02.1.7

1. Minor improvements
   Improved tests 4.2.1, 4.2.3, 4.2.4 (bypassing AcceptRouterAdvert parameters)
   AV improvements (key-frame identification, time markers)

Change Log, v1.02.1.6

1. Discovery module re-factored
2. AV engine works with time labels more correctly
   AV now more stable and with less latencies

3. Several minor fixes

Change Log, v1.02.1.5

1. CR Apply

   CRs ## 7, 11, 15-21 adopted
2. Management GUI redesign

   Management tab had been renewed to adopt CR. Hope it will look better
3. HELP renewed

   Help file had been reviewed and renewed
4. RTSP fixes

   HTTP/TCP transport stabilized, mis-configuration of TCP fixed
   Decoding is more stable, as video resolution is not deduced but configured from ONVIF data

Change Log, v1.02.1.4

1. CR Apply

   CRs ## 1, 2, 3, 5, 13 adopted. CRs ## 7 & 11 to be included into v1.02.1.6. CR4 to be included into v1.02.2.x
2. Stabilization

   Most of known bugs had been fixed

Change Log, v1.02.1.3

1. Error 400

   New HTTP transport facility had been introduced. So, now error 400 is properly handled
2. Test Sequences

   Reported bugs in test sequences had been fixed
3. Conformance Mode

   New style of conformance mode had been introduced. Now, in conformance mode it is not possible to change anything affecting to test procedure. This guarantees that all tests had been done in the same conditions as specified at the first page if test report. So, all settings should be done on Custom mode.
4. Media and RTSP tests

   New tests had been added (see list of tests above)

Change Log, v1.02.1.2

1. Discovery matching rule

   Matching rule attribute removed from Probe request
2. Test Settings

   "Profiles" functionality from management tab had been renamed to "Test Settings", to avoid confusing with "Profiles" as it described in Core spec.
   Also, buttons for settings saving and applying had been relocated, to avoid confusing user with what GUI element they are working with (Apply with the list, Save with edit box)
3. Credentials / Security

   Reported bug with security header had been fixed (misprint in scope, wrong hash calculation)
4. Hello/ Bye catching

   Reported bug with failing to catch valid Hello and Bye had been fixed
5. Device / Device Management functionality

   Set IP Address now operates with both address and network prefix
   Set Gateway button had been introduced

6. Setup /Get From Device and Discovery / Check functionality
   Functionality is now conforming rules (moved out GUI thread)