

# ONVIF™

## ONVIF Specification Version 2.6.1 Release Notes

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# 1. Summary

The ONVIF 2.6.1 release incorporates a number of major enhancements and minor clarifications for better interoperability among ONVIF conformant clients and devices. The changes themselves are described in details in the list below chapters 2 and 3.

## 2. Additions

### 2.1 Device IO

The Specification has been extended to support the configuration of Digital Inputs.

### 2.2 Media2 Services Specification

The Media Service Two Specification prepares support for future Video and Audio codecs. Explicitly support for H.265 has been added. The interfaces are backward compatible to the existing Media Service offering smooth transition.

An optional Lens Description has been added to the Video Source Configuration to guide clients on dewarping geometrically distorted Video.

### 3. Changes

Find below all errata from Version 2.6 to 2.6.1 in order to improve interoperability. The numbers correspond to the Change Request ticket numbers and are not necessarily continuously ascending.

If not noted otherwise the changes refer to the Core specification.

#### 1633 Remove DeviceIO method duplicates

In deviceio.wsdl,

Remove a media service name space description in wsdl:definitions,  
xmlns:trt="http://www.onvif.org/ver10/media/wsdl"

Remove media service name space import,

```
<wsdl:import namespace="http://www.onvif.org/ver10/media/wsdl"  
location="../ver10/media/wsdl/media.wsdl"/>
```

Add parameter element descriptions Get, GetResponse, and assign parameter type for GetVideoSources, GetAudioSources, GetAudioOutputs to tmd:Get and GetVideoSourcesResponse, GetAudioSourcesResponse, GetAudioOutputsResponse to tmd:GetResponse.

Change name space prefix from 'trt:' to 'tmd:' for parameter elements for the messages GetAudioOutputs, GetAudioOutputsResponse, GetVideoSources, GetVideoSourcesResponse, GetAudioSources and GetAudioSourcesResponse.

#### 1672 DeleteDot1XConfiguration and AddVideoAnalyticsConfiguration command names in WSDL NOT matching Spec

In section 8.4.7.5 Delete IEEE802.1X configuration in ONVIF core specification, replace the title of table 72,

Table 72: DeleteDot1XConfigurations command

by

Table 72: DeleteDot1XConfiguration command

And replace the title line in table 72.

DeleteDot1XConfigurations

by

DeleteDot1XConfiguration

In section 5.2.9 Add video analytics configuration to a profile in Media service specification, replace the title of table 10,

Table 10: AddVideoAnalytics command

by

Table 10: AddVideoAnalyticsConfiguration command

And replace the title line in table 10,

AddVideoAnalytics

by

AddVideoAnalyticsConfiguration

And replace the request message name in table 10,

AddVideoAnalyticsRequest

by

AddVideoAnalyticsConfigurationRequest

And replace a sentence of the request message description in table 10,

Contains a reference to the VideoAnalytics to add and the Profile where it shall be added.

by

Contains a reference to the VideoAnalyticsConfiguration to add and the Profile where it shall be added.

And replace the response message name in table 10,

AddVideoAnalyticsResponse

by

AddVideoAnalyticsConfigurationResponse

And replace a sentence of the fault code description for ter:NoConfig in table 10.

The VideoAnalytics indicated by the ConfigurationToken does not exist.

by

The VideoAnalyticsConfiguration indicated by the ConfigurationToken does not exist.

## 1677 Inconsistency in core spec for FirmwareUpgrade capabilities

Update table 12: The capabilities in the GetServiceCapabilities command and Annex A. Capability List of GetCapabilities:

FirmwareUpgrade

Indication if the device supports firmware upgrade as specified in Section 8.3.9

Replace

The device should support firmware upgrade through the UpgradeSystemFirmwarecommand.

by

This interface has been deprecated. A device shall implement this command if the capability FirmwareUpgrade is signaled.

## 1688 Deprecate old folder [www.onvif.org/ver10/event/wsd](http://www.onvif.org/ver10/event/wsd)

Remove the folder [www.onvif.org/ver10/event](http://www.onvif.org/ver10/event) including sub folders and files.

## 1700 GetPresetTourOptions - PTZ spec NOT matching WSDL

In section 5.8.3 GetPresetTourOptions in PTZ service specification, replace the description for GetPresetTourOptionsRequest in table 23,

The request message specifies the ProfileToken for how the preset tours can be configured  
tt:ReferenceToken ProfileToken [1][1]

by

The request message specifies the ProfileToken for how the preset tours can be configured. The PresetTourToken does not affect to the response.

tt:ReferenceToken ProfileToken [1][1]

tt:ReferenceToken PresetTourToken [0][1]

## 1701 Typos in PTZ.wsd documentation

In annotation text in RemovePreset operation in ptz.wsd, replace

Operation to remove a PTZ preset for the Node in the selected profile. The operation is supported if the PresetPosition capability exists for teh Node in the selected profile.

by

Operation to remove a PTZ preset for the Node in the selected profile. The operation is supported if the PresetPosition capability exists for the Node in the selected profile.

In annotation text in GetPresets operation in ptz.wsdl, replace

Operation to go to a saved preset position for the PTZNode in the selected profile. The operation is supported if there is support for at least on PTZ preset by the PTZNode.

by

Operation to go to a saved preset position for the PTZNode in the selected profile. The operation is supported if there is support for at least one PTZ preset by the PTZNode.

In annotation text in GotoPreset operation in ptz.wsdl, replace

Operation to request all PTZ presets for the PTZNode in the selected profile. The operation is supported if there is support for at least on PTZ preset by the PTZNode.

by

Operation to request all PTZ presets for the PTZNode in the selected profile. The operation is supported if there is support for at least one PTZ preset by the PTZNode.

## 1720 Recording search Xpath version

In section 5.20 Xpath dialect in Recording Search service specification, replace the description,

This section defines the XPATH dialect that a device that realises the search service shall implement to parse the Xpath strings that are passed to the methods of the search service.

by

This section defines the XPATH 1.0 dialect that a device that realises the search service shall implement to parse the Xpath strings that are passed to the methods of the search service.

W3C XML Path Language (XPath) Version 1.0

<<http://www.w3.org/TR/xpath/>>

## 1721 Wrong reference in 9.5.5 Message Content Filter

In section 9.5.5 Message Content Filter in ONVIF core specification, replace the first sentence of the description,

In the Subscription request, a client can filter notifications by TopicExpression (see Section 9.6.3) and by MessageContent. For the latter,

by

In the Subscription request, a client can filter notifications by TopicExpression (see Section 9.7.3) and by MessageContent. For the latter,

## 1729 Deprecate ONVIF Remote Discovery Proxy

Remove section 7.4 in ONVIF Core specification.

## 1730 Clarify Focus Mode

In the Imaging Specification and onvif.xsd replace annotation of FocusOptions20 from:

Mode of Auto Focus

- Auto
- Manual

by

Supported modes for auto focus.

- Auto The device supports automatic focus adjustment
- Manual The device supports manual focus adjustment

Changed annotation of FocusConfiguration20 from

Mode of Auto Focus

- Auto
- Manual

to

Mode of auto focus.

- Auto The device automatically adjusts focus
- Manual The device does not automatically adjust focus

Note: for devices supporting both manual and auto operation at the same time manual operation may be supported even if the Mode parameter is set to Auto.