

Extended XML Schemas for API

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Introduction

The contents of this document will cover the RMX Series RMX 500C and RMX 1000C; All content is applicable to these two products if it is not specified.

RMX: The short form of the RMX 500C/1000C.

RMX add a new module COP, so we need to add/modify API to support COP.

RMX can get hardware monitor summaries information with a module, so we need to add new schemas to API.

This documentation mainly takes explanation about definition XML Schema for COP and Hardware Monitor in RMX API.

How does the third party work with RMX? Here we take CMA working with RMX as an example:

- If RMX is working on full transcoding mode, just same as old, no change.
- If RMX is working on COP mode:
 - a. If CMA is working in old schema:
 - RMX can detect xml message received from CMA, translate it to new API, and create a COP mode conference.
 - RMX then response CMA with old-style API, so CMA should think all is working well, CMA don't know the conference is really a COP conference.
 - Till now, CMA has only simple conference control function, no function is cared about COP, so all function should work well.
 - b. If CMA is working in new schema (future version, if possible):
 - CMA can determine which mode RMX is working on by MCU state info from RMX.
 - CMA will use new API to communicate with RMX.
 - RMX found COP-style API had been received, it will think peer client understand COP and will response with new sytle API.

The specific related operations are as follows:

- Sets up a new Meeting Room
- Update a Meeting Room

- Set COP info of an ongoing conference
- Sets up a new Conference

API can support the third party to create a conference without a specific profile. That is to say, the third party can create a conference with parameters.

- Adds a participant to an ongoing conference
- Update disconnected party
- Set COP info of connected party
- Sets up a new Profile
- Update a Profile
- Retrieves detail info of specified Conference
- Retrieves detail info of specified Meeting Room
- Retrieves detail info of specified Profile
- Retrieve information about the MCU
- Retrieve a resource report
- Retrieve hardware monitor information

Modifications of Schemas

Schema common_trans.xsd

Description: Get device mode of RMX. The third party can get the device mode of RMX from this schema after login.

Modifications:

Item	Description
MCUStateContent	Modified complex type. The following element should add to this type: <ul style="list-style-type: none">DEVICE_MODE Description: device mode of RMX.

Elements detailed information:

Element name	Description
DEVICE_MODE	Type: DeviceModeType Properties: content simple Used by: MCUStateContent, SUPPORT_DEVICE_MODE Facets: COP FULL_TRANSCODING DESKTOP Description: Indications the mode of device, including COP mode, FULL_TRANSCODING mode and DESKTOP mode.
DeviceModeType	Type: restriction of xsd:string Facets: COP FULL_TRANSCODING DESKTOP Used by: DEVICE_MODE Description: The type contains device mode.

Schema trans_mcu.xsd & response_trans_mcu.xsd

Description: Set device mode which the third party can support

Modifications of trans_mcu.xsd:

Item	Description
TRANS_MCU.ACTIONS	Modified group. The following element should add to this type: <ul style="list-style-type: none">• SUPPORT_DEVICE_MODE Description: device mode of the third party support.
SUPPORT_DEVICE_MODE	New element. Indicates set the device mode that the third party will support. Contains elements: <ul style="list-style-type: none">• DEVICE_MODE

Elements detailed information:

Element name	Description
DEVICE_MODE	Type: DeviceModeType Properties: content simple Used by: MCUSStateContent, SUPPORT_DEVICE_MODE Facets: COP FULL_TRANSCODING DESKTOP Description: Indications the mode of device, including COP mode, FULL_TRANSCODING mode and DESKTOP mode.
DeviceModeType	Type: restriction of xsd:string Facets: COP FULL_TRANSCODING DESKTOP Used by: DEVICE_MODE Description: The type contains device mode.

Modifications of schema response_trans_mcu:

Item	Description
RESPONSE_TRANS_MCU.ACTIONS	Modified group. The following elements were added to this group: <ul style="list-style-type: none">• SUPPORT_DEVICE_MODE
SUPPORT_DEVICE_MODE	New element. Indicates that the requested action was to set the device mode of the third party can support.

Schema obj_licensing_configuration.xsd

Description: Indicates whether or not the RMX is licensed to use UP_TO_H264_1080P mode.

Item	Description
LicensingAttributesContent	<p>Modified complex type.</p> <p>The following element should add to this type:</p> <ul style="list-style-type: none">• UP_TO_H264_1080P <p>Description: UP_TO_H264_1080P:</p> <p>Type: xsd:Boolean</p> <p>Indicates whether or not the RMX is licensed to use UP_TO_H264_1080P mode.</p> <p>Values are:</p> <p>true - the RMX is licensed to use UP_TO_H264_1080P mode</p> <p>false - the RMX is NOT licensed to use UP_TO_H264_1080P mode</p> <p>Default false.</p>

Schema obj_rsrc_report

Description: Retrieve a resource report, include ports and conference usage:
audio, video resource usage;
1080P,720P_50_60_FPS,
720P_DOUBLE,720P_ONLY,4CIF_4SIF_DOUBLE,4CIF_4SIF_ONLY, CIF_SIF
conference usage.

In brief, when RMX is working on COP mode, not only video/audio ports are limited resource; conference numbers will be a limited resource too; for example, when RMX report resource as following:

Available video ports number: 10

Available audio ports number: 10

Available 1080p style conference number: 0 ---- You can't schedule a conference in which endpoints can receive 1080p video;

Available 720p*1 style conference number: 0 --- You can't schedule a conference in which endpoints can receive 720p video

Available 4CIF/SIF*2 style conference number: 2 --- You can schedule another 2 4CIF/4SIF*2 style conference in which endpoints can receive 4CIF/4SIF video;

Even with CP mode conference's limitation, if video/audio ports left, you can still schedule more than one Video switching mode conference until ports used out; that means available VSW conference number is decided by available video/audio resources;

Note: Here we only declare first stream because it's maximum resolution, in fact every conference can have up to 4 different streams encoded for endpoints, and even if one endpoints can't meet each stream of them, it will participant the conference as a audio only endpoint.

Modifications of schema obj_rsrc_report:

Item	Description
RsrcReportItemType	Modified simple type. The following values were added to this type: <ul style="list-style-type: none">• CONF_1080P• CONF_720P_50_60_FPS• CONF_720P_DOUBLE• CONF_720P_ONLY• CONF_4CIF_4SIF_DOUBLE

Item	Description
	<ul style="list-style-type: none"> • CONF_4CIF_4SIF_ONLY • CONF_CIF_SIF <p>Description:</p> <p>CONF_1080P: A conference which support endpoint receiving 1080p stream;</p> <p>CONF_720P_50_60_FPS: A conference which support endpoint receiving 720p, 50/60fps stream;</p> <p>CONF_720P_DOUBLE: A conference which support encoding 2 different 720p streams(frame rate/line rate not same) for different endpoints;</p> <p>CONF_720P_ONLY: A conference which support encoding 1 720p streams;</p> <p>CONF_4CIF_4SIF_DOUBLE: A conference which support 2 different 4CIF/4SIF stream(video protocol/frame rate/line rate not same) for different endpoints;</p> <p>CONF_4CIF_4SIF_ONLY: A conference which support 1 4SIF/4CIF stream for endpoints</p> <p>CONF_CIF_SIF: A conference which support 1 SIF/CIF stream for endpoints</p> <p>In COP mode:</p> <p>Get the total, used, free number of 1080P,720P_50_60_FPS, 720P_DOUBLE,720P_ONLY,4CIF_4SIF_DOUBLE,4CIF_4SIF_ONLY, CIF_SIF conference.</p> <p>COP mode can support up to 1x1080P or 1x 720P_50_60_FPS or 1x720P_DOUBLE or 2x720P_ONLY or 2x4CIF_4SIF_DOUBLE or 4x4CIF/4SIF CP conferences.</p> <p>In DESKTOP mode:</p> <p>Get the total, used, free number of 4CIF_4SIF_ONLY and 4CIF_4SIF.</p>

Schema obj_reservation

Modifications:

Item	Description
ReservationContent	<p>Modified complex type.</p> <p>The following elements should add to this type:</p> <ul style="list-style-type: none">• COP_INFO <p>Description: indicates RMX COP parameters, include conference cop parameters, meeting room cop parameters and profile cop parameters.</p>

Schema obj_party:

Modifications:

Item	Description
PartyContent	<p>Modified complex type.</p> <p>The following elements were added to this type:</p> <ul style="list-style-type: none">• CALL_STREAM
CALL_STREAM	<p>Type: CallStreamType</p> <p>Properties: content simple</p> <p>Facets:</p> <p>AUTO</p> <p>STREAM1</p> <p>STREAM2</p> <p>STREAM3</p> <p>STREAM4</p> <p>AUDIO_ONLY</p> <p>Used by: PartyContent</p> <p>Description:</p> <p>Indicates call stream of endpoint. User can specify the stream index when creating or modifying participants list for conference.</p>

Item	Description
CallStreamType	<p>Type: restriction of xsd:string</p> <p>Facets:</p> <p>AUTO</p> <p>STREAM1</p> <p>STREAM2</p> <p>STREAM3</p> <p>STREAM4</p> <p>AUDIO_ONLY</p> <p>Used by: CALL_STREAM RECORD_CALL_STREAM</p> <p>Description:</p> <p>The type contains call stream.</p>

Schema obj_ongoing_party:

Modifications:

Item	Description
OngoingPartyContent	<p>Modified complex type.</p> <p>The following elements were added to this type:</p> <ul style="list-style-type: none">IS_ENABLE_I_FRAME_SUPPRESSIONI_FRAME_SUPPRESSION_INTERVALIS_FORBIDDEN_TO_BE_LECTURE <p>Description:</p> <p>IS_ENABLE_I_FRAME_SUPPRESSION: Indications if enable I Frame Suppression. Values are: true , false The value of I-frame suppression should be false by default.</p> <p>I_FRAME_SUPPRESSION_INTERVAL: Only applicable if I Frame Suppression is enabled. Indications I Frame Suppression interval. The I-frame suppression interval time is limited to [10-1800] seconds.</p> <p>IS_FORBIDDEN_TO_BE_LECTURE: Indications if the party be forbidden to be lecture.</p>
IS_ENABLE_I_FRAME_SUPPRESSION	<p>Type: xsd:boolean</p> <p>Properties: content simple, default false</p> <p>Used by: OngoingPartyContent, SET_PARTY_COP_INFO</p> <p>Description:</p> <p>Indications if enable I Frame Suppression. Values are: true , false The value of I-frame suppression should be false by default.</p>
I_FRAME_SUPPRESSION_INTERVAL	<p>Type: xsd:integer</p> <p>Properties: content simple</p> <p>Used by: OngoingPartyContent, SET_PARTY_COP_INFO</p> <p>Description:</p> <p>Only applicable if I Frame Suppression is enabled. Indications I Frame Suppression interval. The I-frame suppression interval time is limited to [10-1800] seconds.</p>
IS_FORBIDDEN_TO_BE_LECTURE	<p>Type: xsd:boolean</p> <p>Properties: content simple, default false</p> <p>Used by: OngoingPartyContent, SET_PARTY_COP_INFO</p>

Item	Description
	<p>Description:</p> <p>Indications if the party be forbidden to be lecture.</p> <p>Values are:</p> <p>true , false</p> <p>The value IS_FORBIDDEN_TO_BE_LECTURE should be false by default.</p>

Schema trans_conf_1

Description: set party's cop information.

Modifications of trans_conf_1:

Item	Description
ACTIONS	<p>Modified group.</p> <p>The following elements were added to this group:</p> <ul style="list-style-type: none"> SET_PARTY_COP_INFO <p>Description:</p> <p>Set the Party COP parameters. Note: only can update the connected participants.</p>
SET_PARTY_COP_INFO	<p>New element.</p> <p>Indicates set the party COP information.</p> <p>Specify the conference ID in the ID element</p> <p>Specify the party ID in the PARTY_ID element</p> <p>Contains elements:</p> <ul style="list-style-type: none"> ID PARTY_ID IS_ENABLE_I_FRAME_SUPPRESSION I_FRAME_SUPPRESSION_INTERVAL IS_FORBIDDEN_TO_BE_LECTURE <p>Description:</p> <p>IS_ENABLE_I_FRAME_SUPPRESSION:</p> <p>Indications if enable I Frame Suppression.</p> <p>Values are:</p> <p>true , false</p> <p>The value of I-frame suppression should be false by default.</p> <p>I_FRAME_SUPPRESSION_INTERVAL:</p> <p>Only applicable if I Frame Suppression is enabled.</p> <p>Indications I Frame Suppression interval.</p> <p>The I-frame suppression interval time is limited to [10-1800]</p>

Item	Description
	seconds. IS_FORBIDDEN_TO_BE_LECTURE: Indications if the party be forbidden to be lecture.
IS_ENABLE_I_FRAME_SUPPRESSION	Type: xsd:boolean Properties: content simple, default false Used by: OngoingPartyContent, SET PARTY COP INFO Description: Indications if enable I Frame Suppression. Values are: true , false The value of I-frame suppression should be false by default.
I_FRAME_SUPPRESSION_INTERVAL	Type: xsd:integer Properties: content simple Used by: OngoingPartyContent, SET PARTY COP INFO Description: Only applicable if I Frame Suppression is enabled. Indications I Frame Suppression interval. The I-frame suppression interval time is limited to [10-1800] seconds.
IS_FORBIDDEN_TO_BE_LECTURE	Type: xsd:boolean Properties: content simple, default false Used by: OngoingPartyContent, SET PARTY COP INFO Description: Indications if the party be forbidden to be lecture. Values are: true , false The value IS_FORBIDDEN_TO_BE_LECTURE should be false by default.

Schema Trans_conf_2

Description: set the conference COP parameters.

Additions & Modifications:

Item	Description
ACTIONS	Modified group. The following elements were added to this group: <ul style="list-style-type: none"> SET CONF COP INFO

Item	Description
	Description: Sets the conference COP parameters.
SET_CONF_COP_INFO	New element. Indicates set the CONF COP information. Specify the conference ID in the ID element Contains elements: <ul style="list-style-type: none"> ID COP_INFO Description: COP_INFO: conference's COP information.

Schema response_trans_conf

Modifications of response_trans_conf:

Item	Description
ACTIONS	Modified group. The following elements were added to this group: <ul style="list-style-type: none"> SET_PARTY_COP_INFO SET_CONF_COP_INFO Description: SET_PARTY_COP_INFO : Indicates that the requested action was to set the conference COP information. SET_CONF_COP_INFO : Indicates that the requested action was to set the party COP information.
SET_CONF_COP_INFO	New element. Indicates that the requested action was to set the conference COP information.
SET_PARTY_COP_INFO	New element. Indicates that the requested action was to set the party COP information.

Get hardware monitor:

Description: get hardware monitors information.

New Schemas:

Schema Name	Description
obj_hwmonitor_info	Holds hardware monitor summaries
trans_hwmonitor_info	Used to retrieve hardware monitor summaries.
response_trans_hwmonitor_info	Contains the response to the trans_hwmonitor_info schema, which is used to retrieve hardware monitor summaries

Elements detailed information:

Element name	Description
TRANS_HWMONITOR_INFO	Properties: content complex Children: TRANS_COMMON_PARAMS GET ACTION Description: The TRANS_HWMONITOR_INFO element is used to retrieve hardware monitor information.
GET	Used by: ACTIONS Description: Retrieves hardware monitor information.
RESPONSE_TRANS_HWMONITOR_INFO	Properties: content complex Children: RETURN_STATUS GET ACTION Description: The RESPONSE_TRANS_HWMONITOR_INFO element contains the response to the TRANS_HWMONITOR_INFO schema, which is used to retrieve hardware monitor information.
GET	Properties: content complex Children: OBJ_INFO_LIST AREA_INFO_LIST FAN_INFO_LIST Used by: ACTIONS Description: Indicates that the requested action was to retrieve hardware monitor information for the RMX, and contains the requested information.
OBJ_INFO_LIST	Type: ObjInfoListContent Properties: content complex Children: OBJ_INFO Used by: GET Description: This element contains obj information of hardware monitor information for an RMX.
AREA_INFO_LIST	Type: AreaInfoListContent Properties: content complex Children: AREA_INFO Used by: GET Description: This element contains area information of hardware monitor information for a RMX.

FAN_INFO_LIST	<p>Type: FanInfoListContent</p> <p>Properties: content complex</p> <p>Children: FAN_INFO</p> <p>Used by: GET</p> <p>Description: This element contains fan information of hardware monitor information for an RMX.</p>
OBJ_INFO	<p>Type: ObjInfoContent</p> <p>Properties: content complex</p> <p>Children: OBJ_NAME OBJ_PRESENT OBJ_USGE OBJ_USAGE_STATUS</p> <p>Used by: ObjInfoListContent</p> <p>Description: This element contains hardware monitor information for one type.</p>
AREA_INFO	<p>Type: AreaInfoContent</p> <p>Properties: content complex</p> <p>Children: AREA_NAME AREA_PRESENT AREA_TEMP AREA_TEMP_STATUS</p> <p>Used by: AreaInfoListContent</p> <p>Description: This element contains hardware monitor information for one type.</p>
FAN_INFO	<p>Type: FanInfoContent</p> <p>Properties: content complex</p> <p>Children: FAN_NAME FAN_PRESENT FAN_SPEED FAN_SPEED_STATUS</p> <p>Used by: FanInfoListContent</p> <p>Description: This element contains hardware monitor information for one type.</p>
OBJ_NAME	<p>Type: ObjNameType</p> <p>Properties: content simple</p>

	<p>Used by: ObjInfoContent</p> <p>Facets: CONTROL_PROCESSOR MEMORY DSP</p> <p>Description: This element contains name of hardware monitor information for one type.</p>
OBJ_PRESENT	<p>Type: xsd:boolean</p> <p>Properties: content simple</p> <p>Used by: ObjInfoContent</p> <p>Description: Values are: true false</p>
OBJ_USGE	<p>Type: xsd:integer</p> <p>Properties: content simple</p> <p>Used by: ObjInfoContent</p> <p>Description: The element contains usage information of hardware monitor information for one type.</p>
OBJ_USAGE_STAT US	<p>Type: UsageStatusType</p> <p>Properties: content simple</p> <p>Used by: ObjInfoContent</p> <p>Facets: Normal Major Critical</p> <p>Description: This element contains the usage status of hardware.</p>
AREA_NAME	<p>Type: AreaNameType</p> <p>Properties: content simple</p> <p>Used by: AreaInfoContent</p> <p>Facets: CONTROL_PROCESSOR_1 CONTROL_PROCESSOR_2 CONTROL_BOARD_SENSOR_1 CONTROL_BOARD_SENSOR_2 MEMORY DSP_BOARD_SENSOR_1 DSP_BOARD_SENSOR_2</p> <p>Description: This element contains name of hardware monitor information for one type.</p>
AREA_PRESENT	<p>Type: xsd:boolean</p>

	Properties: content simple Used by: AreaInfoContent Description: Values are: true false
AREA_TEMP	Type: xsd:integer Properties: content simple Used by: AreaInfoContent Description: This element contains area temperature.
AREA_TEMP_STATUS	Type: UsageStatusType Properties: content simple Used by: ObjInfoContent Facets: Normal Major Critical Description: This element contains the usage status of hardware.
FAN_NAME	Type: FanNameType Properties: content simple Used by: FanInfoContent Facets: FAN_1 FAN_2 FAN_3 Description: This element contains name of hardware monitor information for one type.
FAN_PRESENT	Type: xsd:boolean Properties: content simple Used by: FanInfoContent Description: Values are: true false
FAN_SPEED	Type: xsd:integer Properties: content simple Used by: FanInfoContent Description: This element contains fan speed.
FAN_SPEED_STATUS	Type: UsageStatusType Properties: content simple Used by: ObjInfoContent Facets: Normal

	Major Critical Description: This element contains the usage status of hardware.
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Types detailed information:

type	Description
ObjInfoListContent	Children: OBJ_INFO Used by: OBJ_INFO_LIST Description: This type contains hardware monitor information.
AreaInfoListContent	Children: AREA_INFO Used by: AREA_INFO_LIST Description: This type contains hardware monitor information.
FanInfoListContent	Children: FAN_INFO Used by: FAN_INFO_LIST Description: This type contains hardware monitor information.
ObjInfoContent	Children: OBJ_NAME OBJ_PRESENT OBJ_USGE Used by: OBJ_INFO Description: This type contains hardware monitor information for one type.
AreaInfoContent	Children: AREA_NAME AREA_PRESENT AREA_TEMP Used by: AREA_INFO Description: This type contains hardware monitor information for one type.
FanInfoContent	Children: FAN_NAME FAN_PRESENT FAN_SPEED Used by: FAN_INFO Description:

type	Description
	This type contains hardware monitor information for one type.
ObjNameType	Type: restriction of xsd:string Used by: OBJ_NAME Description: This type identifies the type of hardware monitor information for one type
AreaNameType	Type: restriction of xsd:string Used by: AREA_NAME Description: This type identifies the type of hardware monitor information for one type
FanNameType	Type: restriction of xsd:string Used by: FAN_NAME Description: This type identifies the type of hardware monitor information for one type
UsageStatusType	Type: restriction of xsd:string Used by: OBJ_USAGE_STATUS AREA_TEMP_STATUS FAN_SPEED_STATUS Description: This element contains the usage status of hardware.

Elements and type detailed information of COP_INFO

Elements detailed information:

Element name	Description
COP_INFO	<p>Type: CopInfoContent</p> <p>Properties: content complex</p> <p>Children:</p> <ul style="list-style-type: none">IS_AUTO_REDIALINGAUTO_REDIALING_TIMESAUTO_REDIALING_INTERVALIS_CP_AUTO_TO_SWFIRST_VIDEO_DEFINITIONRECORD_CALL_STREAMSTREAM_COUNTCOP_STREAM_LIST <p>Used by: ReservationContent, SET_CONF_COP_INFO</p> <p>Description: Indicates COP information in a conference, Meeting room and profile.</p>
IS_AUTO_REDIALING	<p>Type: xsd:boolean</p> <p>Properties: content simple, default false</p> <p>Used by: CopInfoContent</p> <p>Description: Indicates whether support auto-redialing. The values are true false</p>
AUTO_REDIALING_TIMES	<p>Type: xsd:integer</p> <p>Properties: content simple, default 5</p> <p>Used by: CopInfoContent</p> <p>Description: Only applicable if auto redialing is enabled. Indicates auto-redialing times.</p>
AUTO_REDIALING_INTERVAL	<p>Type: xsd:integer</p>

Element name	Description
NG_INTERVAL	Properties: content simple, default 10 Used by: CopInfoContent Description: Only applicable if auto redialing is enabled. Indicates auto-redialing intervals.
IS_CP_AUTO_T O_SW	Type: xsd:boolean Properties: content simple, default true Used by: CopInfoContent Description: Indicates whether switch to video switching conference with auto mode when CP resource is not available.
FIRST_VIDEO_ DEFINITION	Type: FirstVideoDefinitionType Properties: content simple Used by: CopInfoContent Description: Indicates the first video definition. Values are: UP_TO_H264_CIF/SIF UP_TO_H264_4CIF/4SIF UP_TO_H264_720P UP_TO_H264_1080P
RECORD_CALL_ _STREAM	Type: CallStreamType Properties: content simple Facets: AUTO STREAM1 STREAM2 STREAM3 STREAM4 AUDIO_ONLY Used by: PartyContent Description: Indicates call stream of endpoint.
STREAM_COUN T	Type: xsd:integer Properties: content simple Used by: CopStreamListContent Description: Indications the count of stream. In COP mode, there are 4 streams, so the value is '4'; In DESKTOP mode, there is 1 stream, so the value is '1'.
COP_STREAM_	Type: CopStreamListContent

Element name	Description
LIST	Properties: content complex Children: <ul style="list-style-type: none"> COP_STREAM Used by: CopInfoContent Description: Contains a list of COP stream and their parameters.
COP_STREAM	Type: CopStreamContent Properties: content complex Children: <ul style="list-style-type: none"> STREAM_ID STREAM_VIDEO_PROTOCOL STREAM_VIDEO_FORMAT STREAM_LINE_RATE STREAM_FRAME_RATE Used by: CopStreamListContent Description: Contains the parameters of a COP stream.
STREAM_ID	Type: xsd:integer Properties: content simple Used by: CopStreamContent Description: Indications the id of stream. In COP mode, there are 4 streams; In DESKTOP mode, there is 1 stream.
STREAM_VIDEO_PROTOCOL	Type: StreamVideoProtocolType Properties: content simple Facets: AUTO H.261 H.263 H.264 Used by: CopStreamContent Description: Indicates stream video protocol.
STREAM_VIDEO_FORMAT	Type: StreamVideoFormatType Properties: content simple Facets: AUTO QCIF CIF/SIF 4CIF/4SIF_4:3

Element name	Description
	4CIF/4SIF_16:9 720P 1080 Used by: CopStreamContent Description: Indicates stream video format.
STREAM_LINE_RATE	Type: StreamLineRateType Properties: content simple Facets: 64 128 192 256 320 384 512 768 1024 1280 1536 1920 2048 2560 3072 4096 Used by: CopStreamContent Description: Indicates stream line rate.
STREAM_FRAME_RATE	Type: StreamFrameRateType Properties: content simple, default 25 Facets: AUTO 12.5 15 25 30 50 60 Used by: CopStreamContent Description: Indicates stream frame rate.

Types detailed information:

type	Description
CopInfoContent	<p>Children:</p> <ul style="list-style-type: none"> IS_AUTO_REDIALING AUTO_REDIALING_TIMES AUTO_REDIALING_INTERVAL IS_CP_AUTO_TO_SW FIRST_VIDEO_DEFINITION RECORD_CALL_STREAM STREAM_COUNT COP_STREAM_LIST <p>Used by: COP_INFO</p> <p>Description:. This type contains COP information in a conference and Meeting room.</p>
FirstVideoDefinition Type	<p>Type: restriction of xsd:string</p> <p>Facets: UP_TO_H264_CIF/SIF UP_TO_H264_4CIF/4SIF UP_TO_H264_720P UP_TO_H264_1080P</p> <p>Used by: FIRST_VIDEO_DEFINITION</p> <p>Description: This type contains stream video protocol.</p>
CopStreamListContent	<p>Children: COP_STREAM</p> <p>Used by: COP_STREAM_LIST</p> <p>Description:. This type contains a list of COP stream and their parameters.</p>
CopStreamContent	<p>Children: STREAM_ID STREAM_VIDEO_PROTOCOL STREAM_VIDEO_FORMAT STREAM_LINE_RATE STREAM_FRAME_RATE</p> <p>Used by: COP_STREAM</p> <p>Description:. This type is used for the parameters of a COP stream.</p>
StreamVideoProtocolType	<p>Type: restriction of xsd:string</p> <p>Facets:</p>

type	Description
	<p>AUTO</p> <p>H.261</p> <p>H.263</p> <p>H.264</p> <p>Used by: STREAM_VIDEO_PROTOCOL</p> <p>Description:</p> <p>Indicates stream video protocol.</p>
StreamVideoFormatType	<p>Type: restriction of xsd:string</p> <p>Facets:</p> <p>AUTO</p> <p>QCIF</p> <p>CIF/SIF</p> <p>4CIF/4SIF_4:3</p> <p>4CIF/4SIF_16:9</p> <p>720P</p> <p>1080</p> <p>Used by: STREAM_VIDEO_FORMAT</p> <p>Description:</p> <p>This type contains stream video protocol.</p>
StreamLineRateType	<p>Type: restriction of xsd:string</p> <p>Facets:</p> <p>64</p> <p>128</p> <p>192</p> <p>256</p> <p>320</p> <p>384</p> <p>512</p> <p>768</p> <p>1024</p> <p>1280</p> <p>1536</p> <p>1920</p> <p>2048</p> <p>2560</p> <p>3072</p> <p>4096</p> <p>Used by: STREAM_LINE_RATE</p> <p>Description:</p> <p>This type contains line rate of stream.</p>
StreamFrameRateType	<p>Type: restriction of xsd:string</p> <p>Facets:</p>

type	Description
	<p>AUTO</p> <p>12.5</p> <p>15</p> <p>25</p> <p>30</p> <p>50</p> <p>60</p> <p>Used by: STREAM_FRAME_RATE</p> <p>Description:</p> <p>This type contains stream frame rate.</p>