

RTP Payload Format for V-DMC

https://datatracker.ietf.org/doc/draft-ietf-avtcore-rtp-vdmc/

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Outline

- **The draft is in WGLC.**
- **Review of Updates Based on WGLC Comments**

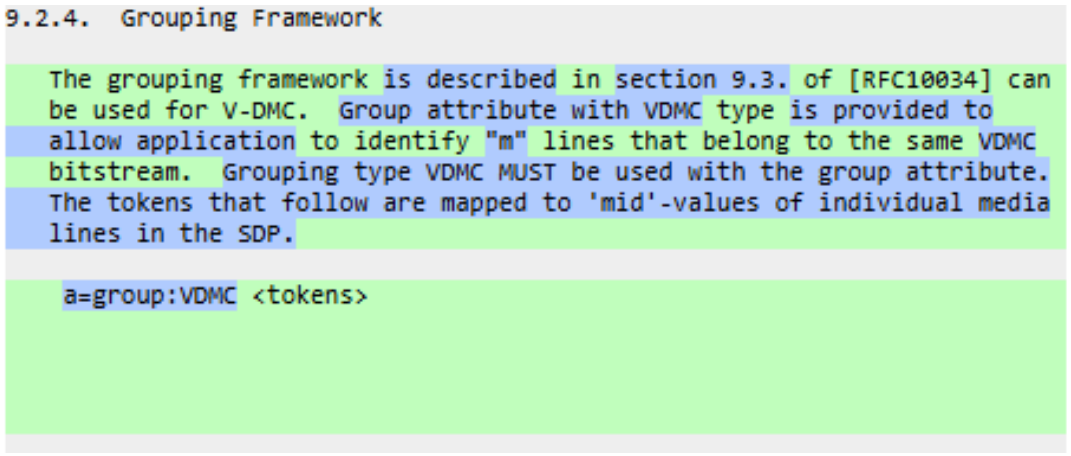
Updated section from 04

- ***Updated SDP signaling to use v3cfmtp instead of fmtp for V3C-specific parameters associated with V3C unit headers, including those for V-DMC components.***

9.1. V3C format parameters "v3cfmtp" attribute	9.1. V3C format parameters "v3cfmtp" attribute
The "v3cfmtp" SDP attribute is used to carry V3C specific media format parameters, which were defined in [ISO.IEC.23090-05]. This memo defines new values for one of these parameters, v3c-unit-type. New SDP parameters defined in this memo are carried with the "fmtp" attribute.	The "v3cfmtp" SDP attribute defined in RFC 10034 is used to convey V3C-level media format parameters, including V3C unit header and V3C parameter set information, regardless of whether the associated V3C unit type is defined in [ISO.IEC.23090-05] or [ISO.IEC.23090-29]. This document extends the permitted values of "sprop-v3c-unit-type" to support the V-DMC-specific unit types defined in [ISO.IEC.23090-29]. The new SDP parameters defined in this document are specific to the basemesh and arithmetic-coded displacement RTP payload formats and are carried using the "fmtp" attribute. This separation follows the distinction between V3C-level and component-level parameters established in [RFC10034].
9.2. Mapping of Payload Type Parameters to SDP	9.2. Mapping of Payload Type Parameters to SDP
The OPTIONAL parameters, when present, MUST be included in the "a=fmtp" line of SDP. This is expressed as a media type string, in the form of a semicolon-separated list of parameter=value pairs. Parameter values, including string values, MUST be written without quotation marks ("") in SDP. Parameter values that are strings are not case sensitive and SHOULD be written in lowercase.	The optional media type parameters newly defined in this document, when present, MUST be included in the "a=fmtp" attribute of the corresponding media description. For parameters inherited from [RFC10034], the SDP mapping rules specified in [RFC10034] apply, including the use of the "a=v3cfmtp" attribute for V3C-level parameters and the "a=fmtp" attribute for component-specific parameters, as applicable. Parameters carried in the "a=fmtp" attribute MUST be expressed as a semicolon-separated list of parameter=value pairs. Parameter values, including string values, MUST be written without quotation marks in SDP. String parameter values are case-insensitive and SHOULD be written in lowercase.

Updated section from 04

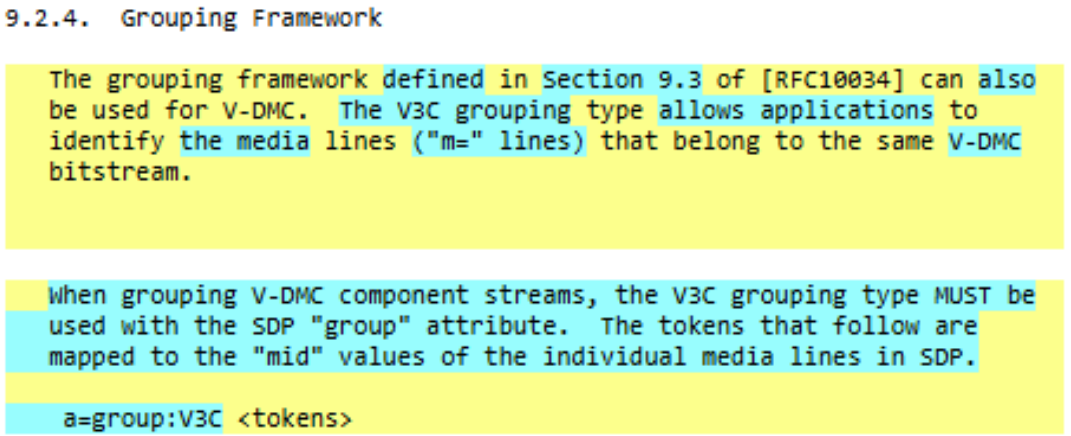
- ***Changed SDP grouping from a=group:VDMC to a=group:V3C, reusing the V3C grouping defined in RFC 10034.***
  - ***Removed the IANA registration request for the VDMC grouping type.***
  - ***Retained only the two media type registration requests: application/bmesh and application/vdmcd.***



9.2.4. Grouping Framework

The grouping framework is described in section 9.3. of [RFC10034] can be used for V-DMC. Group attribute with VDMC type is provided to allow application to identify "m" lines that belong to the same VDMC bitstream. Grouping type VDMC MUST be used with the group attribute. The tokens that follow are mapped to 'mid'-values of individual media lines in the SDP.

a=group:VDMC <tokens>



9.2.4. Grouping Framework

The grouping framework defined in Section 9.3 of [RFC10034] can also be used for V-DMC. The V3C grouping type allows applications to identify the media lines ("m=" lines) that belong to the same V-DMC bitstream.

When grouping V-DMC component streams, the V3C grouping type MUST be used with the SDP "group" attribute. The tokens that follow are mapped to the "mid" values of the individual media lines in SDP.

a=group:V3C <tokens>

Updated section from 04

- ***Update Additional information: (from mediaman WG)***

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Additional information: N/A
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Additional information:
    Magic number(s): N/A
    File extension(s): N/A
    Macintosh File Type Code(s): N/A
    Object Identifier(s) or OID(s): N/A
```

Next Step?