

# Trafficclass Attribute in SDP at IETF83

draft-ietf-mmusic-traffic-class-for-sdp-01

26 March 12

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# What this Draft is About

- Traffic Classification attribute of sessions for
  - DSCP marking (individual or in groups)
  - BW pool allocations (per traffic type or per mark)
  - Network resource allocations
  - Monitoring specific types of traffic across network
  - Etc
- Started with labels created by RFC 4594
  - But are now proposing new labels and meanings
  - i.e., “not just RTP, or port #, but which type of video”?
- RSVP App-ID Object defined in RFC 2872
  - TSVWG ID defines profiles
    - WG hummed 100% for adoption, but not yet an official WG item

# What's changed in WG-01

- Changed framework of traffic label, now:
  - Added the ability to have 2 different kinds of adjectives
    - Qualified
    - Nonqualified
  - Qualified have additional text stating what that adjective applies to (e.g., aq:admitted, tq:scpt)

delimiter ————— ↓ ↓ ↓ ↓ ↓  
a=trafficclass Category.application.adjective(s).\_foo.\_bar  
Proprietary delimiter ——— ↑ ↑

# Individual Component Parts

## Categories

- Conversational
- Multimedia Conferencing
- Real-Time Interactive
- Multimedia Streaming
- Broadcast

## Applications

- Audio
- Video
- Text
- application-sharing
- Presentation-data
- Whiteboarding
- Web (conference) chat/instant messaging
- Gaming
- Virtualized-desktop
- Remote-desktop
- Telemetry (e.g., NORAD missile control)
- Multiplex (i.e., combined streams)
- (something to cover theater quality Netflix movies) 'removed'
- (something to cover YouTube) 'removed'
- Webcast
- IPTV
- Live-events (though not the buffered ones)
- Video-surveillance

## Unqualified Adjectives

- Immersive
- **avconf**
- Realtime-Text
- web

## Qualified Adjectives

- Aq:admitted
- Aq:nonadmitted
- Aq:none

# What else changed in WG-01

- Removed the non-SDP applications ‘Netflix’ and ‘VOD’, therefore may remove gaming, virtualized-desktop and remote desktop
- switched the adjective 'desktop' to 'avconf’
- clarified the differences between Multimedia-Streaming and Broadcast categories.
- created an IANA registry for qualified adjectives
- defined Video-surveillance
- general clean-up of the doc.

# What wasn't done in WG-01

- add the ability to have more than one trafficclass attribute based on the codec chosen, as feedback indicated this was a bad idea.
- no swap of the Multimedia-Conferencing category with the offered Collaboration category, as doing this did not solve any perceived problems.
- add more to the 'how does this get processed' portion of Section 3. That will come in the next revision.

# Open Issues and What's next?

- Paul K.'s comment about creating IANA registry templates for each of the string components still needs to be considered (and remove components from ABNF).
- Need more reviewers