Combo RSVP App-ID and Traffic Class preso

draft-polk-tsvwg-rsvp-app-id-vv-profiles

draft-polk-mmusic-traffic-class-for-sdp

29 July 11

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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
  - <u>But are now proposing new labels and meanings</u>
  - i.e., not just RTP, but which type of video?

- RSVP App-ID Object defined in RFC 2872
  - TSVWG ID defines profiles
    - WG hummed 100% for this, but not yet an official WG item

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What's changed in -02

- Changed framework of traffic label, now:
  - Grouped (human readable) category (based on characteristics) with application type
  - Allow for optional application 'adjectives' to further describe traffic type
  - Kept the flag for whether traffic is CAC admitted or not
  - Parts not understood are ignored

delimiter

a=trafficclass Category.application.adjective(s)._foo._bar.admitted

Proprietary delimiter

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New Attribute Format/Framework

- Category component now breaks from RFC 4594
  - No more
    - "telephony" for audio, and "multimedia-conferencing" for video
  - "Conversational" does most interactive AV
  - "Multimedia-streaming" can be buffered (a lot)
  - "Broadcast" (no longer "Broadcast-video") is not buffered much
- Application component defines (hey) the application
- Optional Adjective components further differentiate individual applications
- Standard and proprietary delimiters remain

delimiter

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Proprietary delimiter

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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
- Virtual-desktop (interactive)
- Remote-desktop
- Telemetry (e.g., NORAD missile control)
- Multiplex (i.e., combined streams)
- (something to cover theater quality Netflix movies)
- (something to cover YouTube)
- Webcast
- IPTV
- Live-events (though not the buffered ones)
- surveillance

Adjectives
- Immersive
- Desktop
- Realtime-Text
- web

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Known Open Issues

- Biggest issue: label now defined, but do folks agree with them
  - Want help to reach consensus within RAI/MMUSIC

- Transport Area doesn't like specific guidance of series of strings put together defining a single DSCP for everyone to use (i.e., "a service")

- Some in RAI think the opposite (is anyone surprised?)
  - i.e., provide a default that can be overridden within any domain

- Others…?

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What's next?

- Depends on how this was received in MMUSIC
  - i.e., am I bleeding too much right now?

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