SDP: Session Description Protocol

draft-ietf-mmusic-rfc4566bis-14

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Major updates since the IETF 91

- Major clean up, simplifications and fixes in Section 6 regarding the ABNF definitions of SDP attributes
- Simplifications in SDP Grammar (Section 9) (Thanks to Paul K.)
- Clean up of the line vs. field mess (Thanks to Keith D.)
- Editorial clean up based on Jonathan L.’s feedback
- Proposed IANA updates are still in a separate draft pending integration to 4566bis
  draft-begen-mmusic-rfc4566bis-iana-updates-01
Outstanding Issues – a=ptime: and a=maxptime:

- Are these always integers?

- Paul K.'s suggestion:
  One possibility would be to allow the use of decimal fractions only when the fractional part is non-zero. E.g.,
  
  ptime-value = packet-time
  packet-time = integer | non-zero-real
  non-zero-real = (integer / "0") \." *"0" integer
  
  (Note that in SDP ABNF "integer" never starts with a "0".)

- This definition could also be used for framerate. It would guarantee that values that are an integral number of milliseconds never have a fractional part, which would provide some compatibility with implementations that expect only integers.

  Could framerate be 0?
  Do we want to give precision or range in the ABNF definition?
Outstanding Issues – a=quality:

- Usage of this attribute seems to be only defined for video. What about other media types?
- Are fractional values allowed?
- The ABNF has to allow for value 0, at the moment it is not. Any objections?
Outstanding Issues – RFC 5576 Attributes

- Should the source-level attributes defined in 5576 be included in the same new table structure in the IANA registry?
- We combine all the five “att-field” registries into one registry called “att-field” registry and use the following columns:
  
  Name | Usage Level | Dependent on charset? | Reference

- Note that the mux-attributes draft will add one more column