

# BUNDLE -05

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# (1) MAJOR CHANGES



## › EDITORIAL CHANGES

- SDP Offerer procedures updated
- SDP Answerer procedures updated
- ‘bundle-only’ added to Offerer/Answerer procedures

## › -05 SUBMITTED OCTOBER 14<sup>th</sup>

## (2) SHARED ADDRESS



”An address:port that has been assigned to multiple m- lines within a BUNDLE group of an SDP Offer.”

# (3) QUESTIONS (Q6)



- › **Q6:** Do we allow a **shared address** in an Offer, **before** the Answerer has indicated BUNDLE support in an Answer (associated with the dialog)?
  
- › **PROPOSAL:** No.
  - Once, within a dialog, the Answerer has indicated BUNDLE support, a shared address (e.g. a determined BUNDLE address) can be assigned to multiple m- lines in subsequent Offers.
  - Once the Offerer and Answerer have indicated support of BUNDLE, it is assumed that the support remains for the duration of the dialog.

# (4) QUESTIONS (Q8)



- › **Q8:** How do we ensure, before the Answerer has indicated BUNDLE support, that a ‘**bundle-only**’ m- line is only accepted if the Answerer supports BUNDLE?
  
- › **PROPOSAL:** Use port zero
  - Once the Answerer has indicated support of BUNDLE, the BUNDLE address is assigned to ‘bundle-only’ m- lines in subsequent Offers (including the BAS offer)
    - › **ISSUE: 3264 does not allow answering with a non-zero value to a zero value offer**
      - **SOLUTION: Need specification work**
    - › **ISSUE: Intermediaries will not route media correctly (until BAS Offer is sent)**
      - **SOLUTION: Will be taken care of by the BAS Offer**

# (5) QUESTIONS (Q1/Q2/Q7)



› **Q9:** What are the criteria for allowing usage of the same PT value within multiple m- lines?

## › INPUT

- Decoder agnostic
  - › It shall be possible to switch decoders between media flows using the same PT value
- Codec agnostic
  - › The criteria shall be applicable to any codec

## › OUTCOME

- SDP **rtptime** and **fmtp** attribute values must be **equal** (order of attribute parameters not significant)
  - › All parameters must be included
    - Explicitly
    - Implicitly, if a default value is defined for the parameter
  - › Parameters not included are assigned their default values (if defined)
- Decoder maximum memory and buffer sizes shall be assumed to match
- **NOTE: Further work is needed – can we agree on this as a base?**

# (6) QUESTIONS (Q1/Q2/Q7)



- › **PROPOSAL:** Use proposal as base
  - Continue work regarding details on individual SDP attributes etc.

# (7) NON-RTP MEDIA



- › **Q12:** Scope of non-RTP media de-mux procedures in BUNDLE?
  
- › **1. RTP/RTCP + Data channel/SCTP**
  
- › **2. None**
  
- › **3. Others?**
  
- › **NOTE:** BUNDLE itself does not restrict which media types can be multiplexed – the question is which media types will be covered by the base BUNDLE spec.



NOTHING ELSE



THANK YOU FOR  
LISTENING!

