BUNDLE

CHRISTER HOLMBERG HARALD ALVESTRAND CULLEN JENNINGS

IETF#91

Honolulu, USA.

(2) WGLC COMMENTS

- SYMMETRIC RTP
- BUNDLE-ONLY DEFAULT CANDIDATE
- MOVING SOURCES

(3) SYMMETRIC RTP

FACTS

- BUNDLE is about receiving media associated with multiple m- lines on a single address:port
- Media must be sent from a single address:port

QUESTION

- Do we mandate using the same address:port for sending and receiving media?
 - Sometimes mandatory due to other extensions, i.e. ICE.

(4) SYMMETRIC RTP

SUGGESTION

- Mandate symmetric RTP
- No technical justification
- Predictability
- Many functions assume symmetric RTP

(5) BUNDLE-ONLY DEFAULT CANDIATE

FACTS

- Current text says that identical ICE candidate
 values are assigned to all bundle-only m- lines
- In case of m- line with zero port value, there
 needs to be a candidate with a zero port value
 - Due to ICE rules for default candidate

(6) BUNDLE-ONLY DEFAULT CANDIATE

ALTERNATIVES

- Alt 1: Do not assign ICE candidates to bundleonly m- lines with zero port value
- Alt 2: Assign ICE candidate with zero port value
- Alt 3: Copy ICE candidates from non-bundle-only m- lines
- Alt 4: Change ICE rules to make default candidate optional (in case of zero port value)

(7) MOVE SOURCES

QUESTION

– Is it valid for an RTP stream (SSRC) to move between bundled m-lines, or be shared between several bundled m-lines?

SUGGESTION

- Do not allow
 - Would add complexity
 - Nobody seemed to want to possibility in Toronto

(8) MOVE SOURCES

SUGGESTED TEXT

"A given SSRC MUST, at any given time, only transmit RTP/RTCP packets associated with a single "m=" line. An SSRC can leave the session and re-join under a different "m=" line. If the SSRC does that, after it has sent an RTCP BYE packet [RFC3550], it MUST wait for a timeout interval of 5 times the RTCP reporting interval before it starts to transmit RTP/RTCP packets associated with the new "m=" line. The RTCP BYE packet and the timeout interval ensure that any remaining packets and state associated with the SSRC on the previous "m=" line will be considered invalid [RFC3550]."

THE END

THANK YOU FOR LISTENING!