

IDMS

draft-ietf-avtcore-idms-06

IETF 84

Vancouver

August 3, 2012

Ray van Brandenburg

Status of IDMS draft

- Three new versions since Paris meeting
- Went through WGLC (-05 version)
 - Received lots of useful comments
 - Most comments addressed in -06 version
 - Rest will follow in -07 version

Updates since WGLC version - 1

- Clarified status of IDMS XR report block
 - References normative ETSI spec, included here for sake of completeness
- Rewritten section on use of IDMS SDP parameters
 - Subsection on SDP offer/answer
 - Subsection on declarative SDP (e.g. RTSP)
- Clarified use of IDMS in case where both ETSI and IETF clients are used
 - IETF RTCP Packet Type is preferred
 - If ETSI and IETF clients are part of same group, MSAS sends both packets

Updates since WGLC version - 2

- Clarified case where SC may be participant in multiple synchronization groups
 - SC sends multiple XR report blocks, one for each group
 - Implementation needs to deal with which group takes precedence
- Clarified use of IDMS in multiple RTP stream scenarios
 - SC only reports on one stream, as identified by SDP (e.g. audio)
 - Inter-stream synchronization is performed using lip-sync
- Improved IANA section
 - Clarified the relevant registries
 - Requested RTCP Packet Type number from IANA
- One open issue: picking RTP packets to report on

Open Issue: RTP packet to report on

- RTCP timing rules indicate when an SC is allowed to send an IDMS XR report block
- Question is which RTP packet the SC should report on
- Earlier versions of the draft left this up to the implementation
- Current version of the draft specifies:
“When the RTCP reporting timer allows an SC to send an IDMS report, the SC SHOULD report on the latest RTP packet received or played out (depending on whether presentation timestamps are used)”
- This results in random reporting

Open Issue: RTP packet to report on - 2

- Another option would be to leave this up to the implementation
 - Allows for more complex implementations reporting on most-delayed or average-delayed packets (useful for specific applications, such as networked speakers)

“When the RTCP reporting timer allows an SC to send an IDMS report, the SC SHOULD report on an RTP packet received during the period since the last IDMS XR Report Block was sent”

- Any ideas?

Next steps

- Make decision on open issue
- Create -07 version
 - Including comments not yet addressed in -06
- Check with WGLC reviewers whether all comments are addressed
- If all WGLC comments are addressed, move to next step