MMUSIC WG

54\textsuperscript{th} IETF – Yokohama

18 July 2002
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Please send us a copy of your slides
(if you have not done so already)

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# MMUSIC Agenda (1)

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<td>0935</td>
<td>SDPng: Video Payload Support</td>
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MMUSIC Agenda (2)

0950  MMUSIC: Conference/Media Control   (chairs)

1005  SDP Attributes for Media Control   (Even)
       draft-even-mmusic-video-media-control-00.txt

1020  Metadata Update Protocol   (Nomura, chairs)
       draft-nomura-mmusic-pguide-requirements-00.txt
       draft-nomura-cdi-mmusic-mupdate-00.txt

1035  Revised RTSP Spec   (Westerlund)
       draft-ietf-mmusic-rfc2326bis-01.txt

1130  Wrap-up   (chairs)
WG Status

• Recent RFCs
  RFC 3259: Message Bus Transport
  RFC 3264: Offer / Answer
  RFC 3266: SDP for IPv6

• In IETF Last Call
  draft-ietf-mmusic-fid-06.txt
  draft-andreasen-mmmusic-sdp-simcap-05.txt
  draft-ietf-mmusic-sdp-new-10.txt
WG Status (2)

- **Further Finished Stuff**
  
  - draft-ietf-mmusic-sdp-comedia-03.txt
  - draft-ietf-mmusic-sdp4nat-02.txt
  - draft-ietf-mmusic-sdp-kmgmt-ext-05.txt

- **Other WG Documents**
  
  - SDPng Transition
    
    - draft-ietf-mmusic-sdpng-trans-01.txt
  - Misc RTSP Stuff
  - GFMTTP
    
    - draft-rajeshkumar-mmusic-gfmttp-02.txt
  - SDP Source Filters
    
    - draft-ietf-mmusic-sdp-srcfilter-01.txt
WG Milestones

✓ SDP simcap for PS
✓ SDP FID for PS
✓ IPv6 Extensions to SDP for PS
✓ Revised SDP spec for PS (or Draft)
✓ SIP's offer/answer use for Proposed
✓ SDP4NAT for PS
✓ SDP key management for Proposed

SDPng transition       well on its way
SDPng base spec for PS close to completion
SDPng audio profile for PS close to completion

Revised RTSP spec will take some more time
RTSP MIB       yet to be done
Potential Work Items

• Dissemination of Program Scheduling Information (EPGs)

• Conference Control
  – Floor control
  – Media control
  – Interactive real-time control (RTSP extensions)
  – ...

• Out-of-scope for current charter
  – Correct home yet to be decided...

• Need to do some charter update...
SDP Source Filters

- Revived after two years
- Fairly straightforward
- Suitable for supporting SSM

- Read it!
SDP Key Management

• draft-ietf-mmusic-kmgmt-ext-05.txt
• Basically done, but...

• Philosophical argument over encoding kmgmt attributes
  – Explicitly in SDP
  – Tunneled in a blob in SDP

• Pick one!
Conference / Media Control

• Navigating spatially in media streams
  – Select resolution, area, ...
  – Potential extension of RTSP

• Conference / floor control
  – Origin: Conferencing for SIP
  – Joint work with SIPPING
  – Do the requirements first
  – Design new / use of existing protocol

• Commands / indications
  – Media stream control for video conferencing
  – Possibly media mixing matrix control
  – Other control aspects: camera control, ...?

• What fits on our plate / in our charter?
Session Announcements and Notifications
Two Proposals

- draft-nomura-cdi-mmusic-mupdate
  - Points to MPEG-7 for meta information
  - Uses SIP NOTIFY messages to indicate availability of updates
  - Uses e.g. HTTP to fetch updated EPGs

- Why MMUSIC?

- DVB/IPI Working group
  - Uses SDPng for describing session
  - Uses SAP for pushing announcements
  - Uses HTTP for retrieval
Possible Way Ahead

• Both approaches have merit
  – Choose a hybrid solution

• What is needed?
  – Content format
    • SDPng, MPEG-7, others
    • Don’t mandate a single one; keep it open
  – Content-indirection format
  – Retrieval and distribution models
    • Push for Multicast
    • Notifications for Unicast
    • Client-server retrieval for both
    • Other…

• MMUSIC may do the SAP and SDPng parts