

# **MMUSIC WG**

**54<sup>th</sup> IETF – Yokohama**

**18 July 2002**

# **All Presenters:**

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

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# **All Presenters:**

**You MUST notify the group of any IPR associated with your draft!**

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# MMUSIC Agenda (1)

- 0900 Agenda Bashing & Status Update** (chairs)  
Recent RFCs  
Documents close to completion  
Charter issues
- 0915 SDP Source Filters** (chairs)  
draft-ietf-mmusic-sdp-srcfilter-01.txt
- 0920 SDPng Update** (Kutscher)  
draft-ietf-mmusic-sdpng-05.txt
- 0935 SDPng: Video Payload Support** (Klemets)

# 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-gfmtpp-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**