MEDIACTRL

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Remote Logistics

• mp3 Feed: SPEAK INTO THE MICROPHONE!!!
  – http://videolab.uoregon.edu/events/ietf/ietf687.m3u
• Jabber
  – Server: jabber.ietf.org
  – Room: mediactrl
• Meeting Materials (Presentations, Agenda, etc.)
  – https://datatracker.ietf.org/public/meeting_materials.cgi?meeting_num=68
• Supplemental Web Site (NEW!)
  – http://www.standardstrack.com/ietf/mediactrl
Scribes and Transcribes

• Jabber Scribe
  – Shida
• Note Taker
  – Steve
Note Well

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- the IAB or any member thereof on behalf of the IAB,
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Agenda

- Agenda Bashing (Eric) (7 min)
- Brief Introduction to IETF Standards Process (Eric) (13 min)
- Charter Review (Eric) (15 min)
- Requirements Document (Roni) (45 min)*
- Media Control Framework (Chris/Scott) (20 min)*
- Next Steps (Eric) (15 min)

* First priority is Requirements Document; will take time from other documents if necessary.
The IETF Standards Process
Reading List

• After a meeting or two, worth reading RFC 2026 (The Internet Standards Process -- Revision 3)
• If you plan on opening your mouth, eyes, or listening read BCP 78 (IETF Rights in Contributions)
• If you have IPR, or think you will, read BCP 79 (Intellectual Property Rights in IETF Technology)
You Have a Proposal

• Best way to get a proposal considered is to write an Internet Draft
  – Individual submission: draft-burger-mediactrl-foo
• Internet Drafts have no standing as an IETF document
  – Time-limited; anyone can submit anything
  – Technically meaningless
• See http://www.ietf.org/ietf/1id-guidelines.html
• STRONGLY suggest using xml2rfc to write drafts. See http://xml.resource.org
What Happens Next

- Individual Draft becomes a workgroup document
  - draft-burger-mediactrl-foo becomes draft-ietf-mediactrl-foo

- A few things happen
  - The editor is assigned by the Chair, serving at the pleasure of the Chair
  - There are many situations where you will not be the document editor
  - Review BCP 78 and 79: if you want your proprietary protocol to become a standard, you will be giving ownership to the IETF
Problems We Like to Have

• A few steps for publication as RFC
  – id-nits, ABNF checker, IANA registrations
• Work Group Last Call (WGLC)
• Shepherding document (by Chair)
• Shepherding through IESG
• IETF Last Call
• RFC Editor Queue
Charter Review
Charter


- What are we talking about?
  - SIP-Controlled, Multifunction IP Media Servers:
    - One or more of:
      - Interactive Voice Response (IVR)
      - Conference Mixing (RTP Mixer/Relay)
      - VoiceXML Interpreter
  - Not SS7, ISDN, CAS/TDM Intelligent Peripherals
Requirements Document

• This document will identify and enumerate requirements for a suite of media server control protocols. Given that one of the common media server clients is a conference application server, we will consider the application server - media server requirements developed by the XCON work group. Likewise, we will consider media server control requirements from other standards groups, such as 3GPP SA2 and CT1.
Framework Document

• This document will describe the different network elements, their interrelationship, and the broad set of message flows between them.
Protocol(s)

- A protocol suite describing the embodiment of the framework document. There may be separate protocol PDU's for audio conference control, video conference control, interactive audio (voice) response, and interactive video (multimedia) response. The separation and negotiation of different PDU's is a working group topic. However, there will be one and only one (class) of PDU's defined by the work group.
Media Resource Broker

- Means for locating, and possibly establishing sessions to, media servers with appropriate resources at the request of clients. By appropriate, we mean the characteristics of a given media server required or desired for handling a given request. The expectation is such a means would build upon existing SIP, SNMP, and other protocol facilities. Such a means may or may not be an integral part of the item 3 deliverables above. This deliverable is an operational protocol that may rely on management protocols such as SNMP. We are neither creating a new management protocol nor a new provisioning protocol.
Things to be Aware of

- **3GPP**
  - ISC and Mr interfaces
  - Occasional discussion of MRF-B
- **ATIS/TISPAN**
  - Occasional discussion of MRB
- **JCP**
  - JSR 309: Uniform Java API for Media Server Control
    - Bindings for RFC 4722, MSML, MSCP, …
    - Binding for MEDIACTRL
  - Valuable to have API; IETF is protocol factory, not API factory
The History

• Group of folks started meeting un-officially over two years ago
• Born from discussions came a list of highly debated Requirements
• Requirements are documented requirements documents (over 2 years old)
  – SIP Control Framework aims to fulfill the appropriate requirements defined (over 1 year old)
Document Discussions

And so it begins…
Requirements Documents

Roni Even
Martin Dolly
Framework and Packages

Chris Boulton
Scott McGlashan
Tim Melanchuk
Asher Shiratzky
# Goals and Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Document Description</th>
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<tbody>
<tr>
<td>May 2007</td>
<td>Requirements Document WGLC</td>
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<tr>
<td>Jun 2007</td>
<td>Requirements Document to IESG (Informational)</td>
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<tr>
<td>Jun 2007</td>
<td>Framework Document WGLC</td>
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<td>Jul 2007</td>
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<tr>
<td>Nov 2007</td>
<td>Mixer Control Protocol WGLC</td>
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<td>Mixer Control Protocol to IESG (Standards Track)</td>
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<td>Mar 2008</td>
<td>IVR Control Protocol WGLC</td>
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<td>IVR Control Protocol to IESG (Standards Track)</td>
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<tr>
<td>Jun 2008</td>
<td>Broker Protocol WGLC</td>
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<tr>
<td>Jul 2008</td>
<td>Broker Protocol (Standards Track or BCP, TBD)</td>
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Thank You

MEDIACTRL