SIP/SDP overlap with RTSP
(draft-lindquist-mmusic-sip-rtsp-00.txt)

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Presentation Outline

• Background

• Motivation

• Overview of protocol interaction

• Protocol Interaction requirements

• Conclusion
Background

- ETSI TISPAN - "Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); IMS-based IPTV Stage 3 Specification", ETSI TS 183 063 v2.1.0 (2008-06).
  - Plug-fest jointed setup with MSF


- OIPF - "Open IPTV Forum - Release 1 Specification; Volume 4 - Protocols", V1.0 (January 6, 2009).
  - Plug-fest under discussion for later in the year.
Motivation

• Reuse of existing architectures (SIP based but could be other architecture or protocol)
  – Authentication
  – Authorization
  – Accounting
  – Security
  – Network resource management

• Advanced media applications
  – Service blending with other SIP based on presence and instant messaging
Overview of protocol interaction

Controller

UE

Media Server

Session Management Protocol (SIP)

Content Control Protocol (RTSP)

Media Server Control Protocol
Protocol interaction requirements

Focus on Session Management Protocol and Content Control Protocol.

• REQ-1 The content control protocol needs to be able to access and use resources that have been configured and established by the session management protocol (e.g. IP address/port).
• REQ-2 The session management protocol is responsible for negotiating media transport related information.
• REQ-3 The session management protocol and the content control protocol need to perform session termination in a coordinated way.
Conclusion

• Ongoing work in other standard forums (ETSI TISPAN, 3GPP, OIPF, OMA, etc)

• The ”Session Management Protocol” may be based on SIP or other protocol.

• Suggestion for way forward:
  – Analyze interworking between RTSP and SIP/SDP
  – Consider extensions to RTSP
  – Define new SIP SDP attributes

• Should a WG item be created for this work?