

XCON BOF

IETF 57

Vienna, Austria

July 15, 2003

Administrivia

- Conscripting a Scribe
- Note Well announcement (Read Section 10 of RFC 2026)
- Blue Sheets

Agenda

- Welcome and Agenda Bashing (5 min)
- Problem Statement/Scope Overview (10 min)
- Charter Discussion (15 min)
- Open Discussion (30 min)

Problem Statement/Scope

- Defining protocols necessary for *participants* to control centralized conferences:
 - Conference Policy Control
 - Two objects and two sets of operations on:
 - General policy and membership
 - Media policy
 - Floor Control
- Motivated by SIP conferencing, but will be independent of call setup protocol.
- Protocols developed will not be SIP or SIP extensions

Conference Policy Control

- Conference Lifespan
- Who can participate (permissions)
- What each participant can do (roles)
- Notification of conference membership (roster)
- Related Documents:
 - draft-koskelainen-xcon-cpcp-reqs-00.txt
 - draft-koskelainen-xcon-xcap-cpcp-usage-00.txt
 - draft-levin-xcon-cpcp-00.txt

Media Policy Control

- Defines how media is combined, selected, and modified in a conference
- Multiple media types: audio, video, IM, etc.
- Result of floor control is an input
- Protocol defines how a topology is created, retrieved, and manipulated
- Related Documents:
 - draft-even-xcon-media-policy-requirements-00.txt
 - draft-mahy-xcon-media-policy-control-00.txt

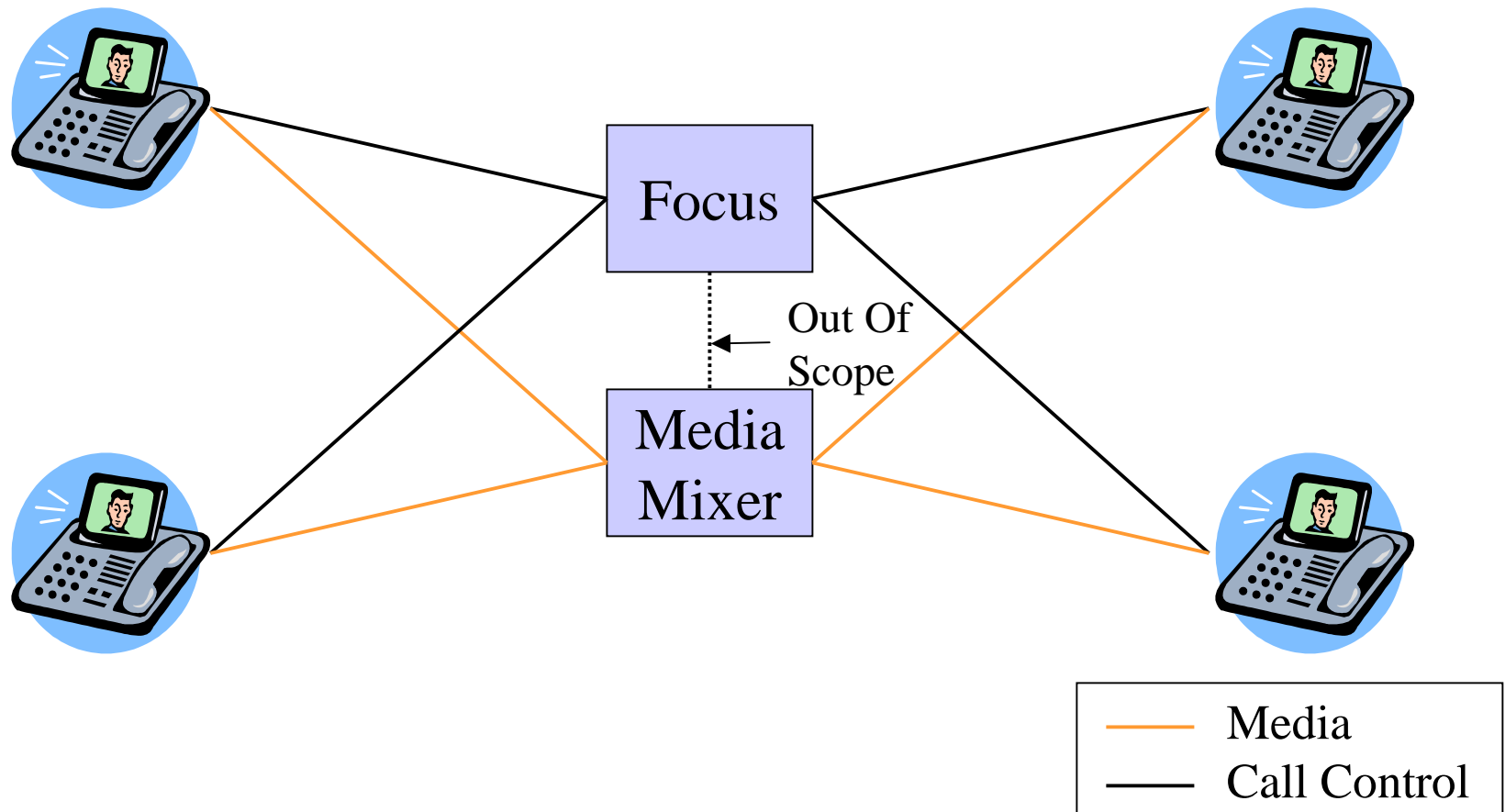
Floor Control

- Floor Definition
 - Temporary permission for a conference participant to access or manipulate a specific shared resource or group of resources.
- Examples include:
 - Who gets to be heard or be seen by all participants
 - Who can control a shared whiteboard pointer
- Floor Control Protocol Operations
 - Floor creation (related to media policy)
 - Floor requesting, granting, and releasing
- Related Document:
 - draft-koskelainen-xcon-floor-control-req-00.txt

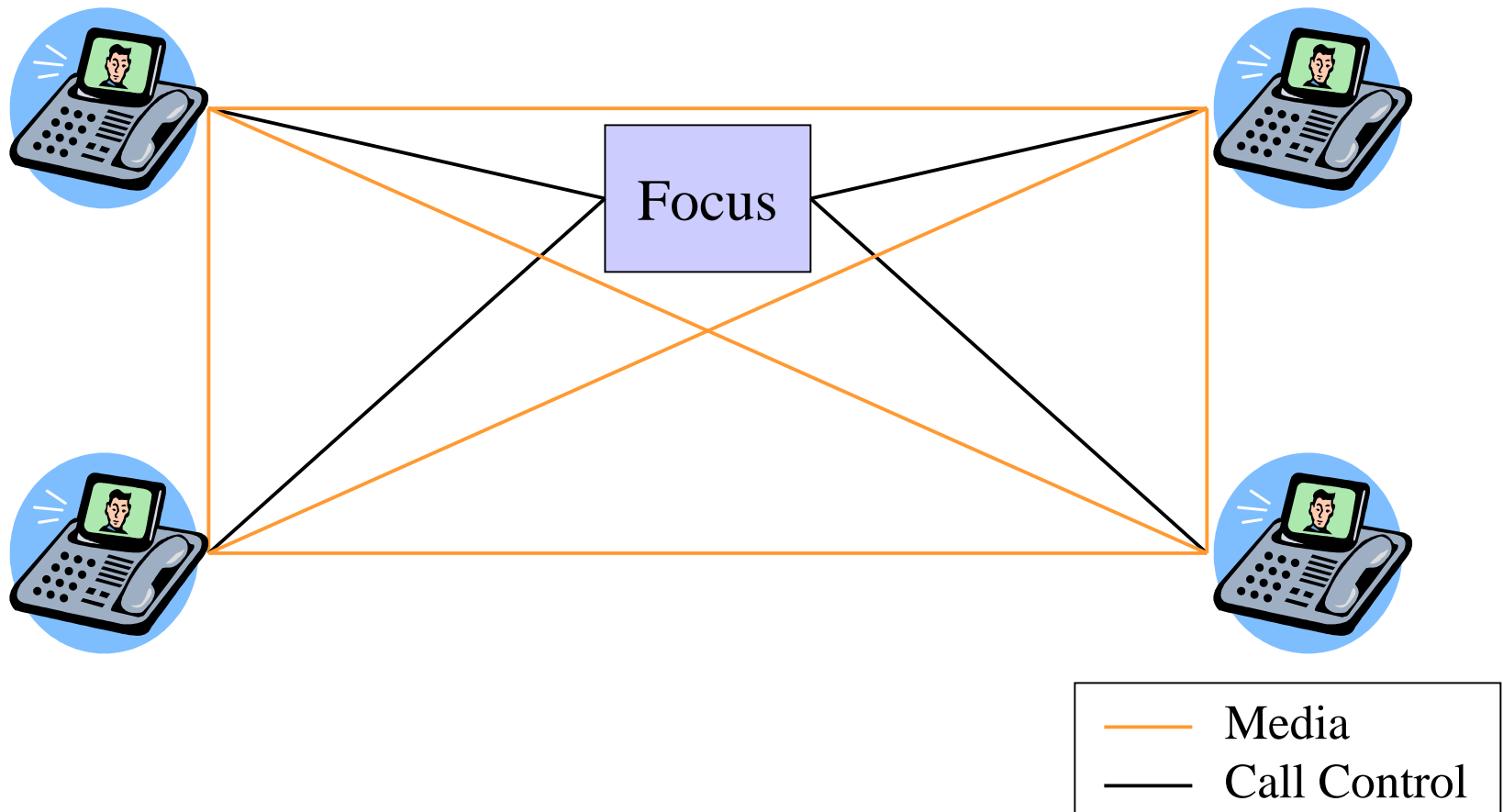
Example Use Scenario

- User is invited to a conference (dials in) and learns they are in a conference
- Subscribes to the conference package and learns the roster and the conference policy URIs
- Uses **media policy** and discovers that the conference is a "lecture" with audio and video and as a result enables video to fully participate in the conference.
- Uses **conference policy** to establish a sidebar (sub-conference) with another participant
- Uses **floor control** to request the floor to ask a question
- draft-even-xcon-conference-scenarios-00.txt

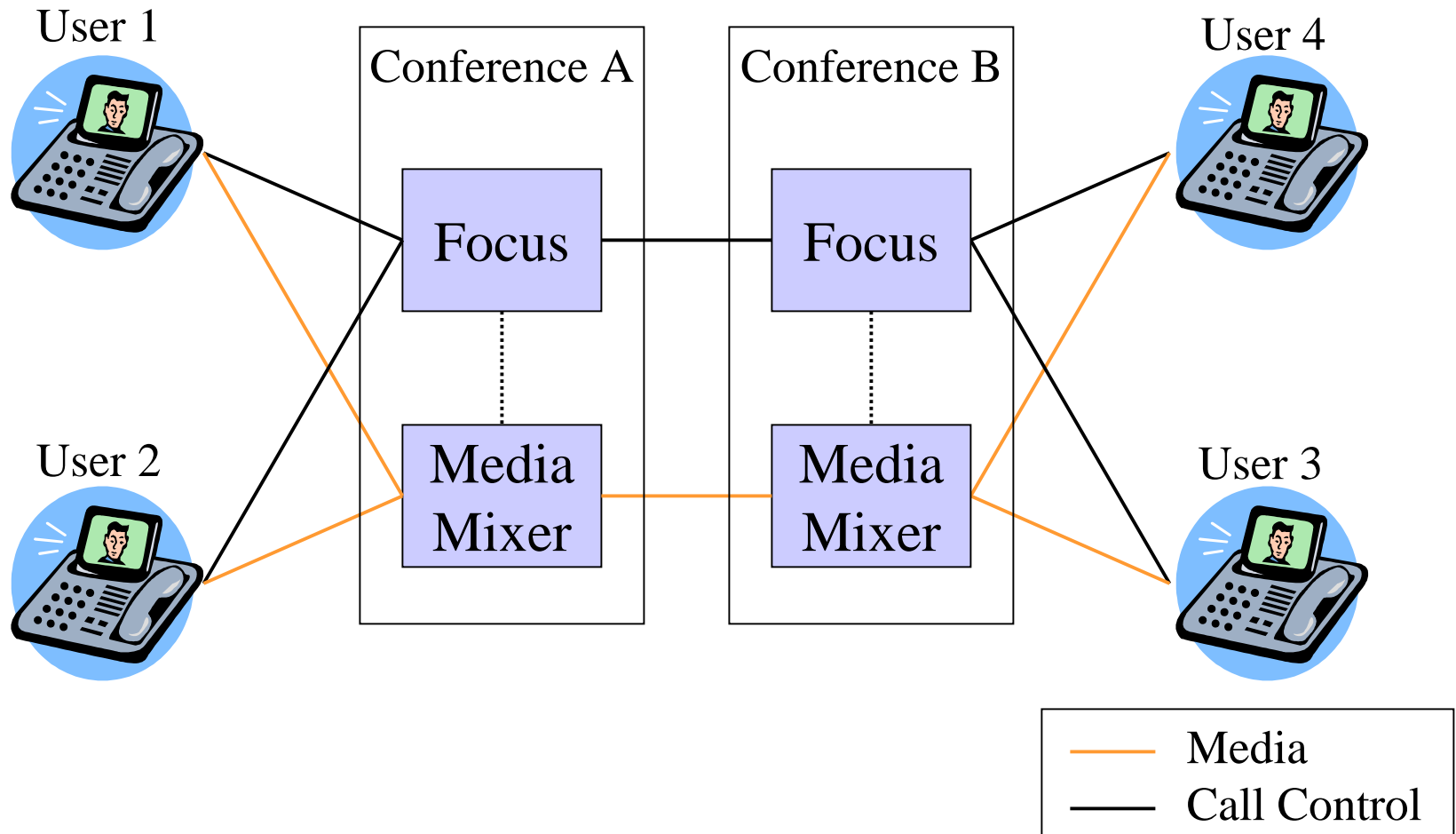
Example Topology: Central Control and Mixing



Example Topology: Central Control, Full-Mesh Media



Example Topology: Cascaded Conferences



Relation to Other WGs

- SIPPING
- MMUSIC
- AVT
- SIP
- W3C SMIL

Charter (1/4): Deliverables

- A mechanism for membership and authorization control
- A mechanism to manipulate and describe media "layout" or "topology" for multiple media types
- A mechanism for notification of conference related events/changes (policy/floor events)
- A basic floor control protocol

Charter (2/4): NON-Deliverables

- Voting
- Multicast media (due to security concerns)
- Fully distributed conferences
- Loosely-coupled conferences (no central point of control)
- Far-end device control
- Protocol used between the conference controller and the mixer(s)
- Capabilities negotiation of the mixer(s)
- Master-slave cascaded conferences

Charter (3/4): External Inputs

- draft-ietf-sipping-conferencing-requirements-00.txt
 - draft-ietf-sipping-conferencing-framework-00.txt
 - draft-ietf-sipping-cc-conferencing-01.txt
 - draft-ietf-sipping-cc-framework-02.txt
 - draft-ietf-sipping-conference-package-01.txt
- (get copy from <http://ee.wustl.edu/~alan/sip-conf/>)

Charter (4/4): Proposed Items

- draft-even-xcon-conference-scenarios-00.txt
- draft-koskelainen-xcon-cpcp-reqs-00.txt
- draft-even-xcon-media-policy-requirements-00.txt
- draft-koskelainen-xcon-floor-control-req-00.txt
- draft-koskelainen-xcon-xcap-cpcp-usage-00.txt
- draft-levin-xcon-cpcp-00.txt
- draft-mahy-xcon-media-policy-control-00.txt

Next Steps/Issues

- Consensus/Approval for Charter
- Finalize Conference Policy Requirements
- Decide on protocol
 - XCAP/SOAP/XML-RPC
- Continue work on Media Policy
- Create policy notification packages
- Define interface between Media Policy and Floor Control

Open Discussion

Further Info

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