

Media Resource Broker

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Status Update

- Released first MediaCtrl WG version of the document
- Continued definition of MRB publishing interface
- Completed 'in-line' MRB strawman proposal
 - Published proposal for comment - <http://tinyurl.com/mu3w7r>

In-line MRB Strawman

- Current proposal based on key assumption
 - The mechanisms defined for interaction between client and MRB remain consistent for both Query and In-line model.
 - Why have two methods?
 - For ‘in-line’ MRB only transport changes
 - SIP as opposed to HTTP used for standard Consumer interface definition

In-line MRB Strawman (Cont)

- In-line Unaware MRB Mode (IUMM)
 - Included for completeness to allow deployment of MRB entity in existing networks
 - Works with existing deployed applications without code modification
 - Makes decisions based on MRB intelligence and information provided from Media Server Publishing interface

In-line MRB Strawman (Cont)

- IUMM has the following properties:
 - From Application Server perspective just a SIP compliant entity
 - No different to a normal Media Server directed request
 - From Media Server perspective a fully functional MRB entity
 - Implementation of full MRB Publishing interface to gather Media Server information

In-line MRB Strawman (Cont)

- Inclusion of IUMM concept is important for MRB adoption and migration
 - Does the group agree?
- Are there any important details related to IUMM that are not present in the current strawman version?

In-line MRB Strawman (Cont)

- In-line Aware MRB Mode (IAMM)
 - Included to allow deployment of MRB for use by clients that comply to this specification
 - Makes decisions based on detail provided by the resource consuming client and information provided from the Media Server Publishing interface

In-line MRB Strawman (Cont)

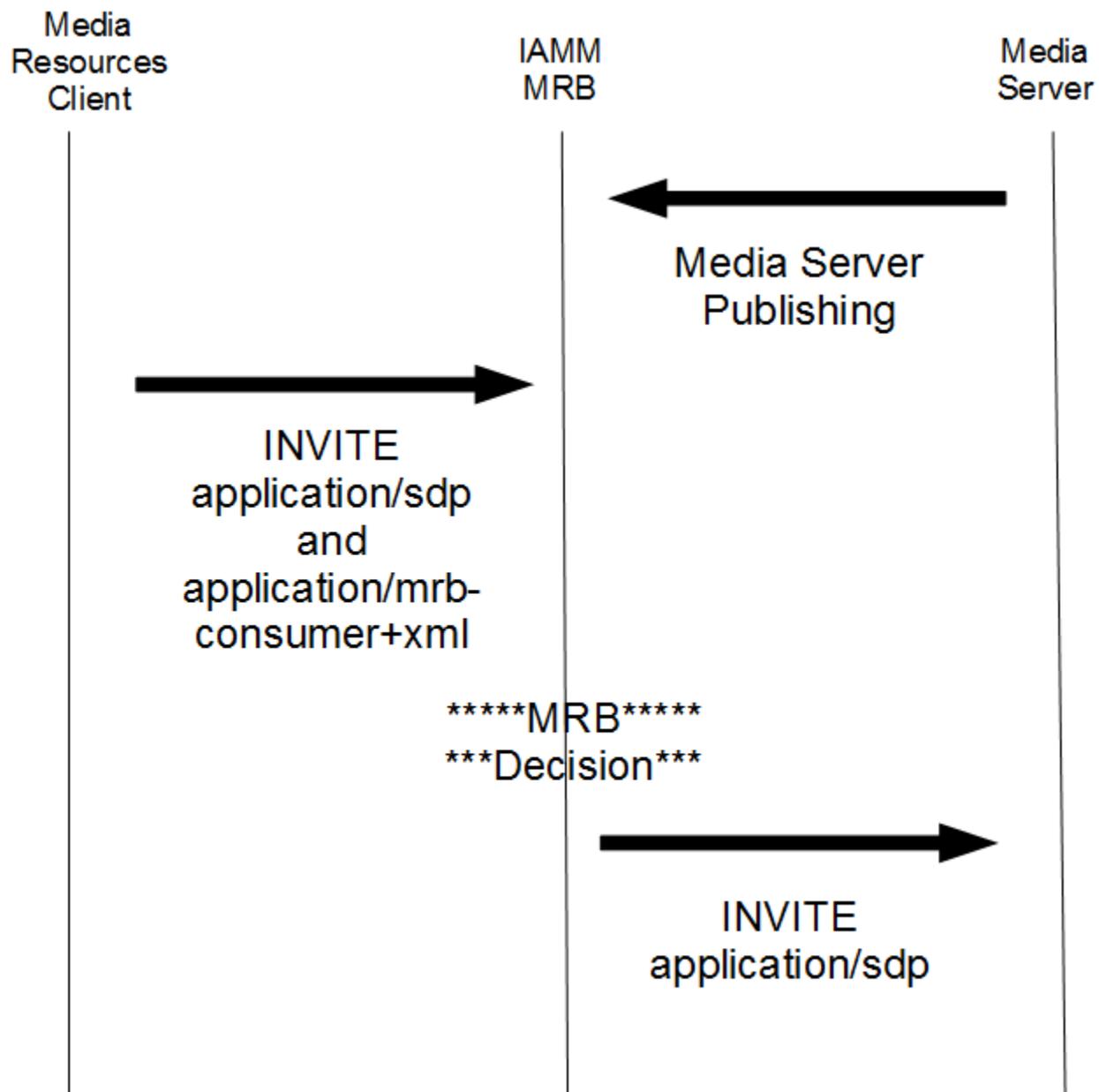
- IAMM has the following properties:
 - Allows client requiring media services to include appropriate contextual information in a request for media services
 - Re-use of XML schema defined for use with Consumer interface
 - Provides consistency in tool kit model
 - Simplifies decision logic of underlying MRB

In-line MRB Strawman (Cont)

- IAMM – How is this achieved:
 - Client of media services constructs INVITE request to connect to MS
 - Uses MIME content type of multipart/mixed
 - Include application/sdp part for connecting to a media server (as per Media Channel Framework)
 - Include application/mrb-consumer+xml part providing MRB with contextual information

In-line MRB Strawman (Cont)

- IAMM – How is this achieved (cont):
 - MRB receives INVITE request and extracts the MIME content type of multipart/mixed
 - Uses application/mrb-consumer+xml part to help make Media Server decision
 - Uses application/sdp part to construct new SIP INVITE which is then sent to the selected Media Server (B2BUA)



In-line MRB Strawman (Cont)

- Is the group happy with this approach?
 - Any problems from a SIP signalling perspective?
 - Multipart/mixed type?
 - B2BUA?
- Feasible alternatives?

In-line MRB Strawman (Cont)

- Consumer interface has the ability to ‘update’ a request to provide additional contextual information to an existing request
 - To align with Consumer interface the IAMM should include request ‘update’ mechanism
 - Is the use of re-INVITE and UPDATE acceptable?

Publish Interface

- Some progress made on publishing interface since IETF 74
 - 11 of the group suggestions sent to list with suggested definitions to be used in specification
 - Still another 17 to go + any new ones that emerge
 - Need to progress in parallel with In-line work

Publish Interface

- Editors suggestion:
 - It would be good to set up a dedicated team to nail down the rest of the Publishing interface
 - Volunteers required with expert Media Server experience to help populate interface properly

STEP FORWARD PLEASE!!!!

Next Steps....

- Publish new version of draft
 - Contains updated In-line MRB text
 - Current Publishing interface details
- Publish interface team to collaborate and produce Publish interface detail
- Progression of Publish interface will feed into light weight Consumer interface