

SIPREC

Recording Metadata Model for SRS

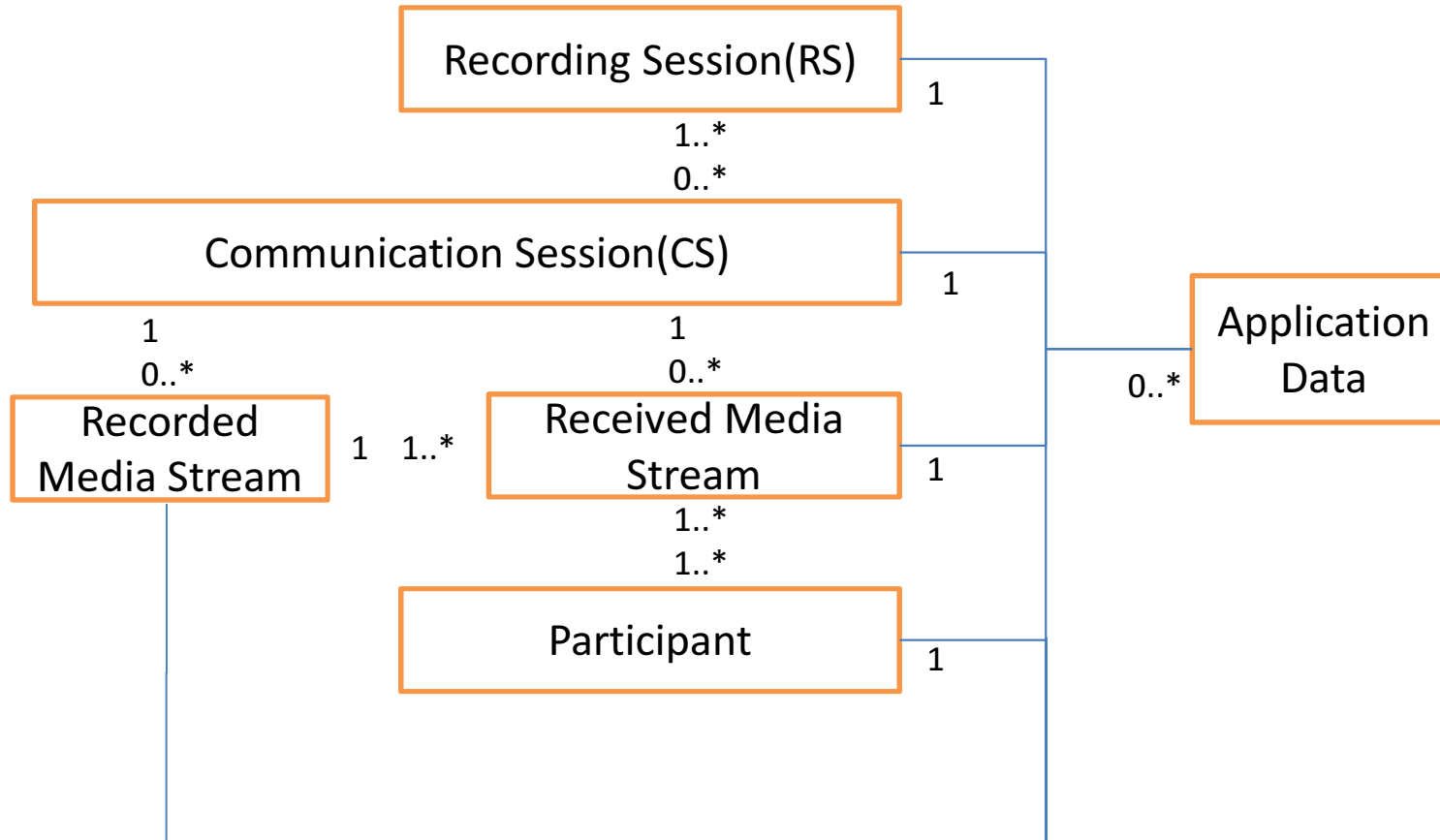
SIPREC Virtual Meeting 12-Oct-2010

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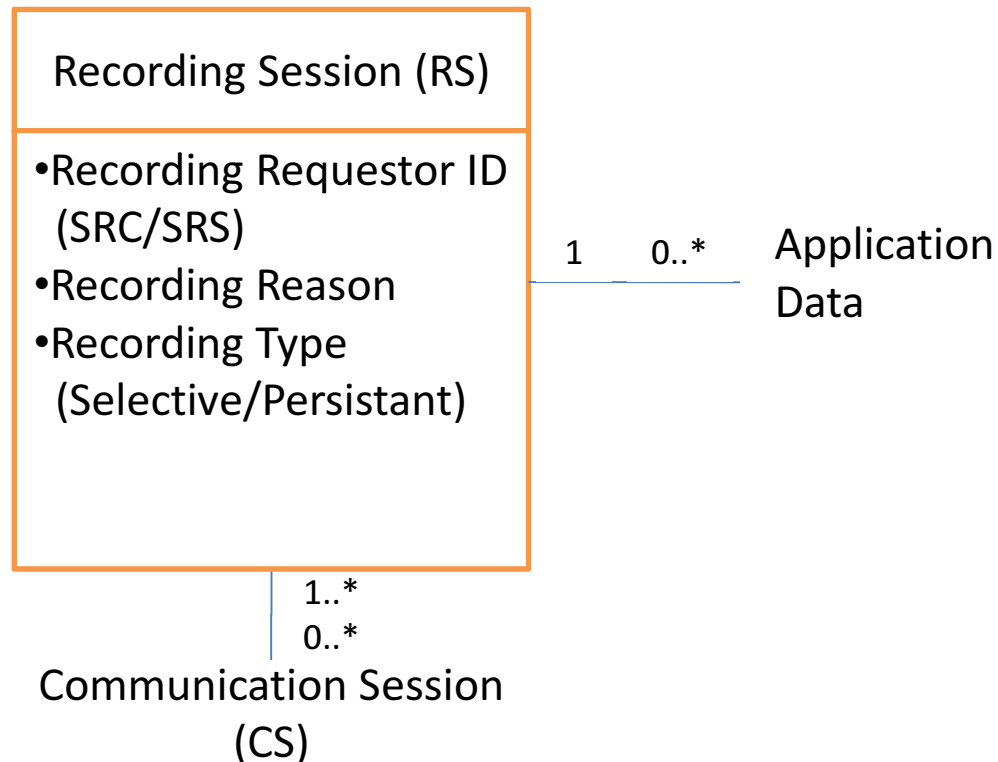
Agenda

- Recording Metadata model for SRS
- Open Issues
- Next Steps

Metadata Model



Metadata Model: Recording Session



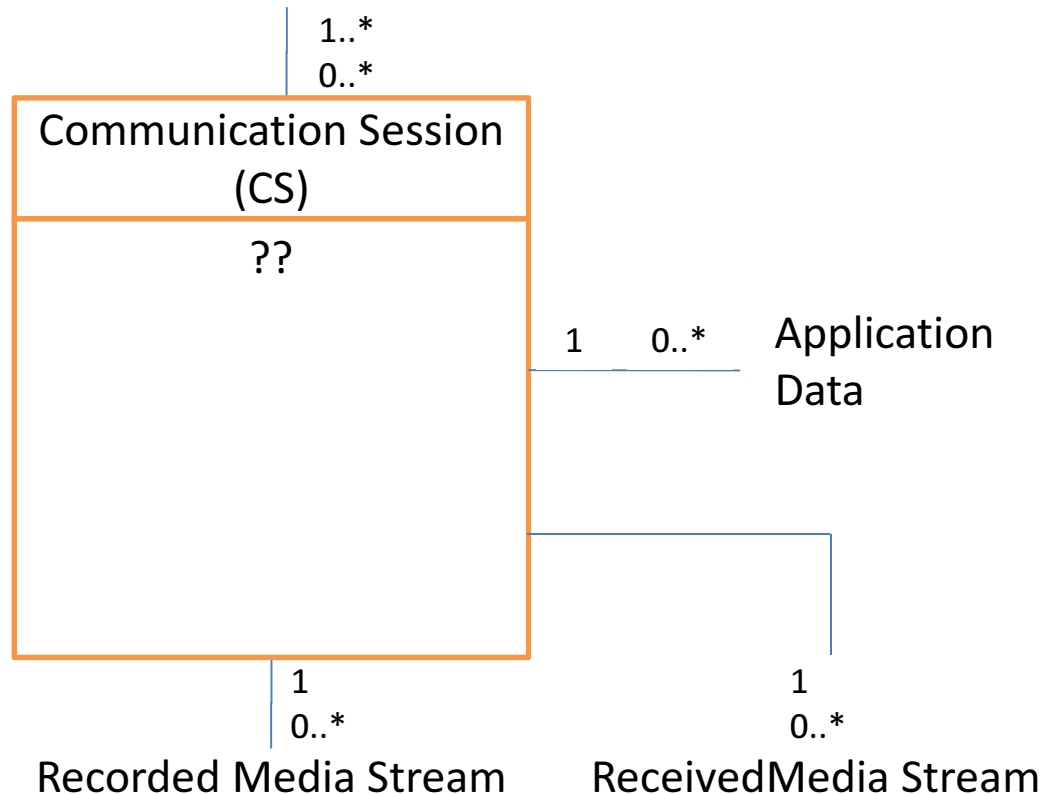
- 0 or more CS per RS
 - 0 for persistent recording where there has been no CS

- What other attributes are needed?

Comment received : should we have indication what media was requested to be recorded and *reason* why a stream was not recorded? (comment received in alias)

Metadata Model: Communication Session

Recording Session (RS)



- 1 or more RS per CS (we agreed on having only 1 RS per CS in first phase)
- 0 or more Recorded Media Stream and Received Media Stream per CS
 - Different media
 - Starting/stopping media?
- What attributes? (This needs attention)

Comments received: Have Call Id, Initiator, Direction as CS attributes.

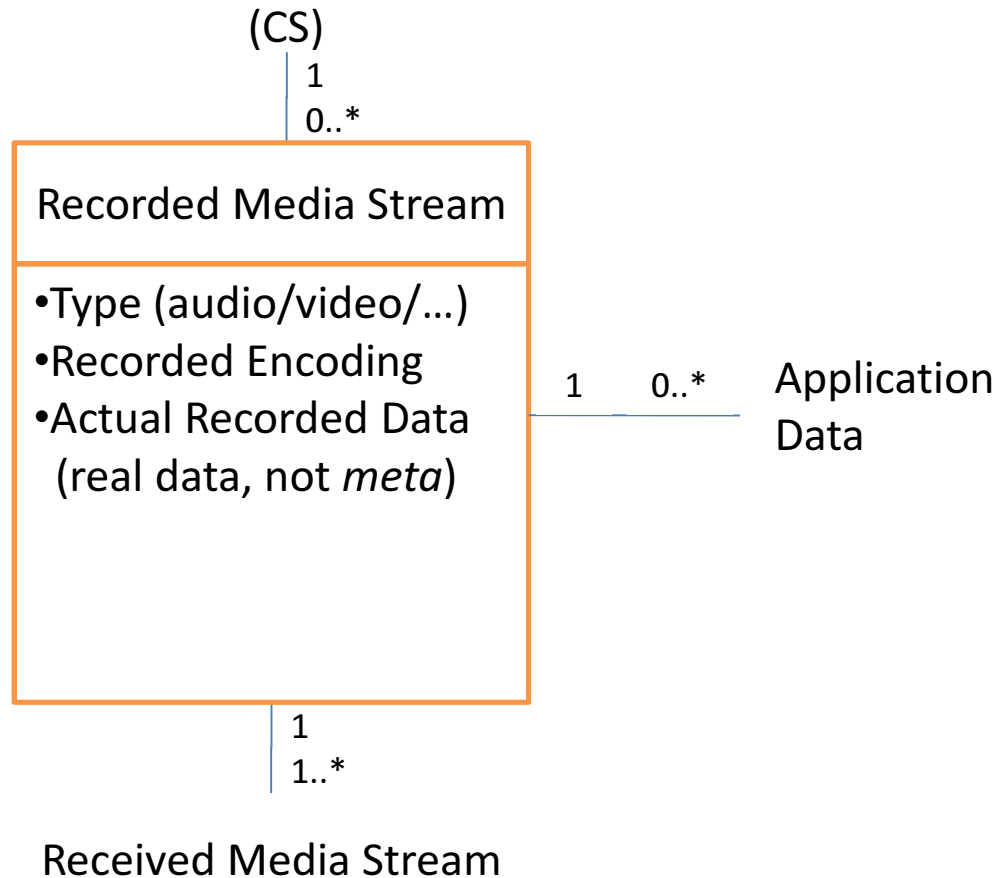
Are these attributes needed ?

Should it be call ID or or some other unique ID taking in to consideration B2BUA that can act as SRC ?

I am still not clear with initiator and Direction. In cases where SRC is B2BUA, originator of the CS would be one of the end points. How do we determine what is the direction w.r.t Recording Session ? And What should be the initiator ? should it be the end point's information ? if so what ?

Metadata Model: Recorded Media Stream

Communication Session



- 1 or more CS per Recorded Media Stream
 - Does >1 make sense?
- 1 or more Received MS per Recorded MS
 - Historical tracking of data sources otherwise lost in the mix
- Permits the recorded data to be encoded differently from the received media
- This *may* be enough

Comment received:

Representing of Recorded Media Stream is somewhat internal for SRS. SRS keeps lots of additional data for each recorded media - encryption keys (for storage), handles, paths, retention attributes etc.

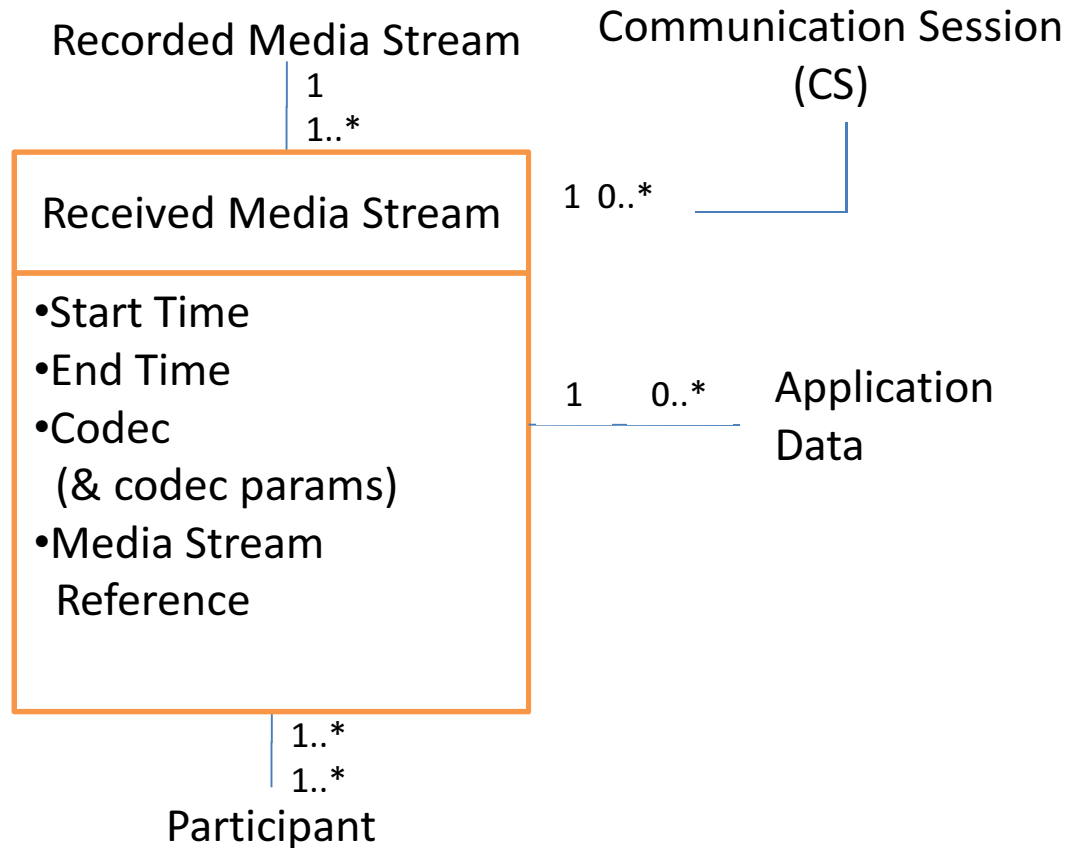
Should this be part of model as these things may be a policy at SRS and may not need anything to be sent from SRC to SRS ?

Retention (minimum time for storage) and Force Deletion (maximum time for storage) attributes may be useful

There may be cases where an SRC might want to delete a stream that is being recorded and it could send a request with

Force Deletion value set to 0

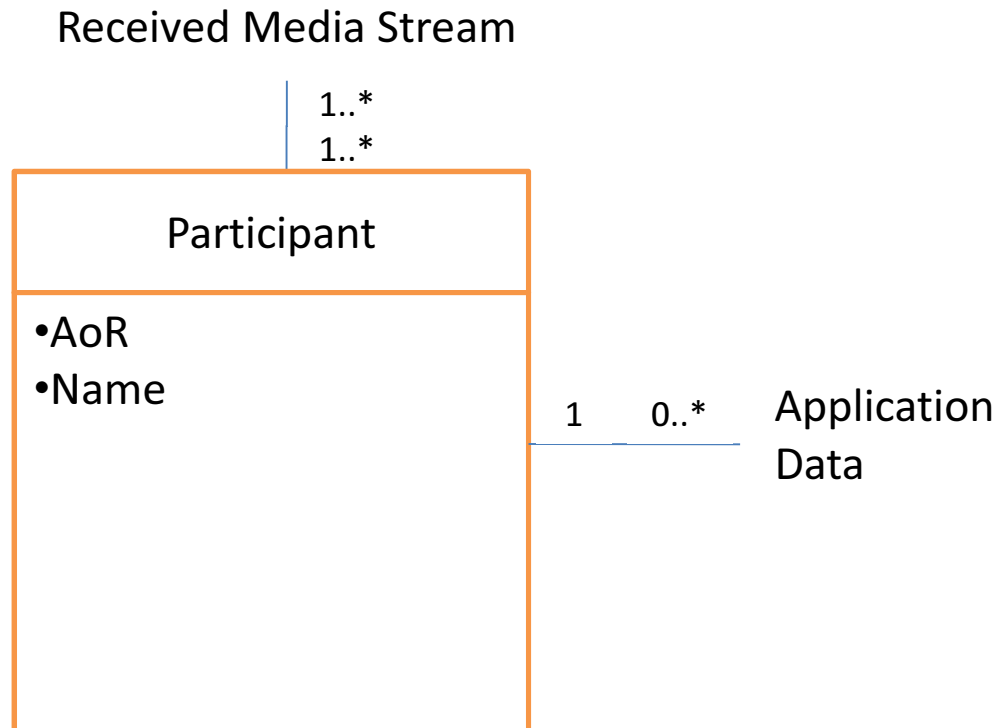
Metadata Model: Received Media Stream



- 1 or more Participants
 - When mixing done before delivery to SRS (e.g. conf focus)
- Do we need the codec info, distinct from the recorded encoding?
- How do we represent codec params (SDP snippets?)
- Media stream reference only needed while recording

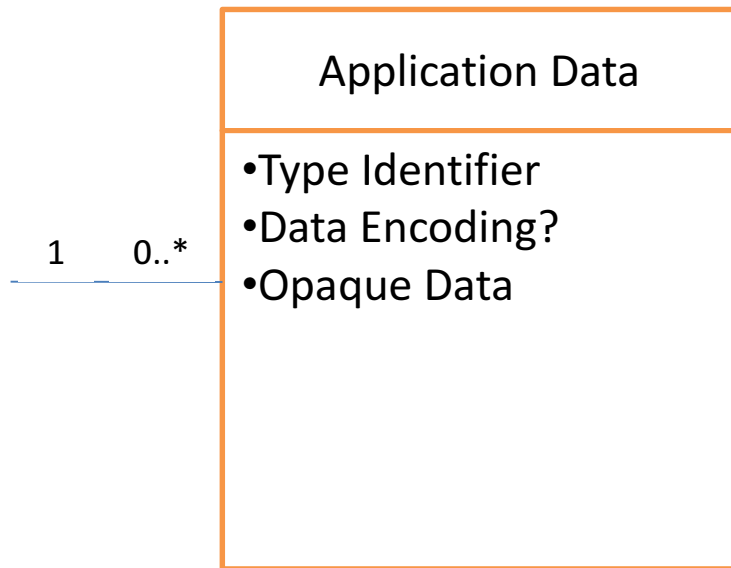
Comment received: Should we need to consider cases like Whisper calls (where supervisor can have side conversations with Agent) ? If so how do we represent them ?

Metadata Model: Participant



- 1 or more Received Media Streams per Participant
 - Same participant provides multiple streams (e.g. audio & video)
- Is there other data we could plausibly get about a participant?

Metadata Model: Application Data



- Allowing any number of application data objects attached to any of the others.
 - Any we can eliminate?
- We need a type identifier.
 - What namespace?
 - What assignment rules?
- Do we need a data encoding type separate from type id?
- How do we represent / transmit the opaque data?
 - Text/binary