A Taxonomy of Grouping Semantics for RTP Sources

draft-ietf-avtext-rtp-grouping-taxonomy-01

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Changes Since -00

- Amended description of SVC SST and MST encodings
  - Since then, mailing list discussions continued
- Moved a number of level 4 sections to body text
- Removed reference to UML, since not used anymore
- Editorial improvements

Presentation Goal

- Brief recapitulation of the proposed concepts
- WG consensus on way forward

Concepts

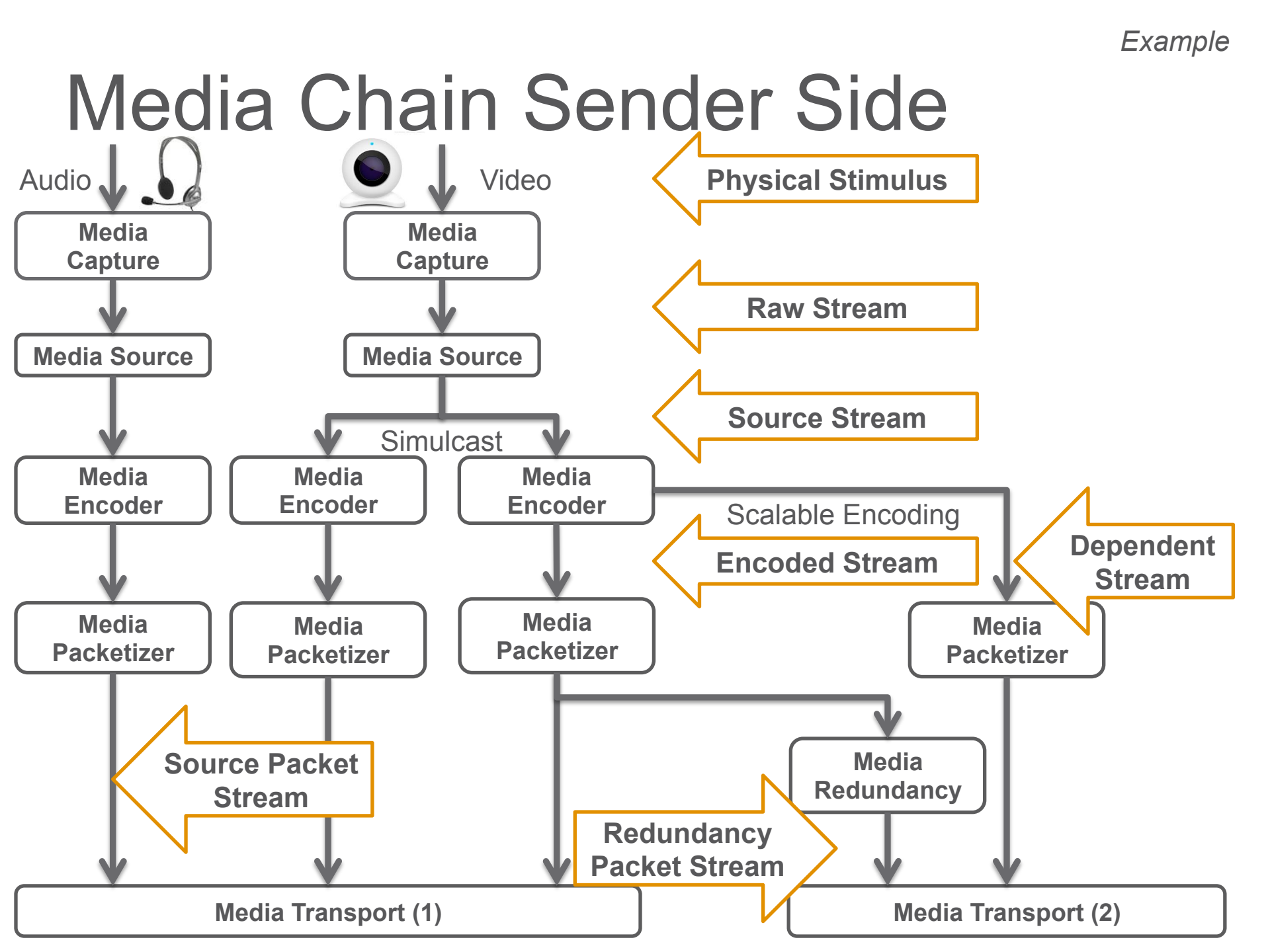
- Stream
  - Has a type
  - Has one source Transformation and one or more sink Transformations
  - Does not change unless passing through a Transformation
  - Can be forwarded from a Transformation output to any number of inputs on other Transformations supporting that type of Stream
- Transformation
  - Has zero or more input Streams and one or more output Streams
  - Has no formal limitation on number of connected Streams
  - Connected Streams can include loops, if required

Concepts (cont'd)

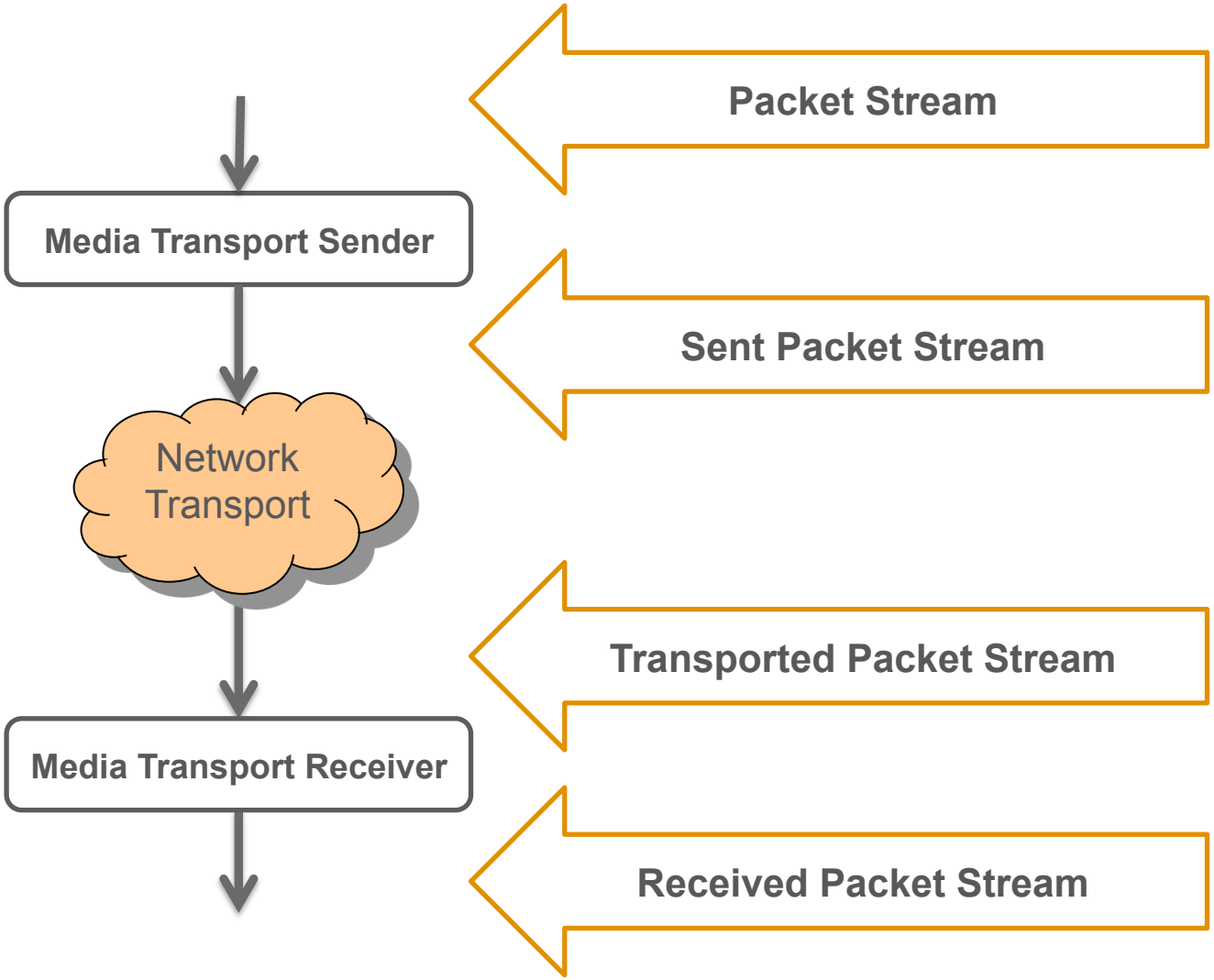
- Media Chain
  - The media signal Stream undergoes a series of Transformations from the Source to the Sink
  - In reality, Media Chains will sometimes not contain all defined types of Transformations, and thus also not all types of Streams

Example

Media Chain Sender Side

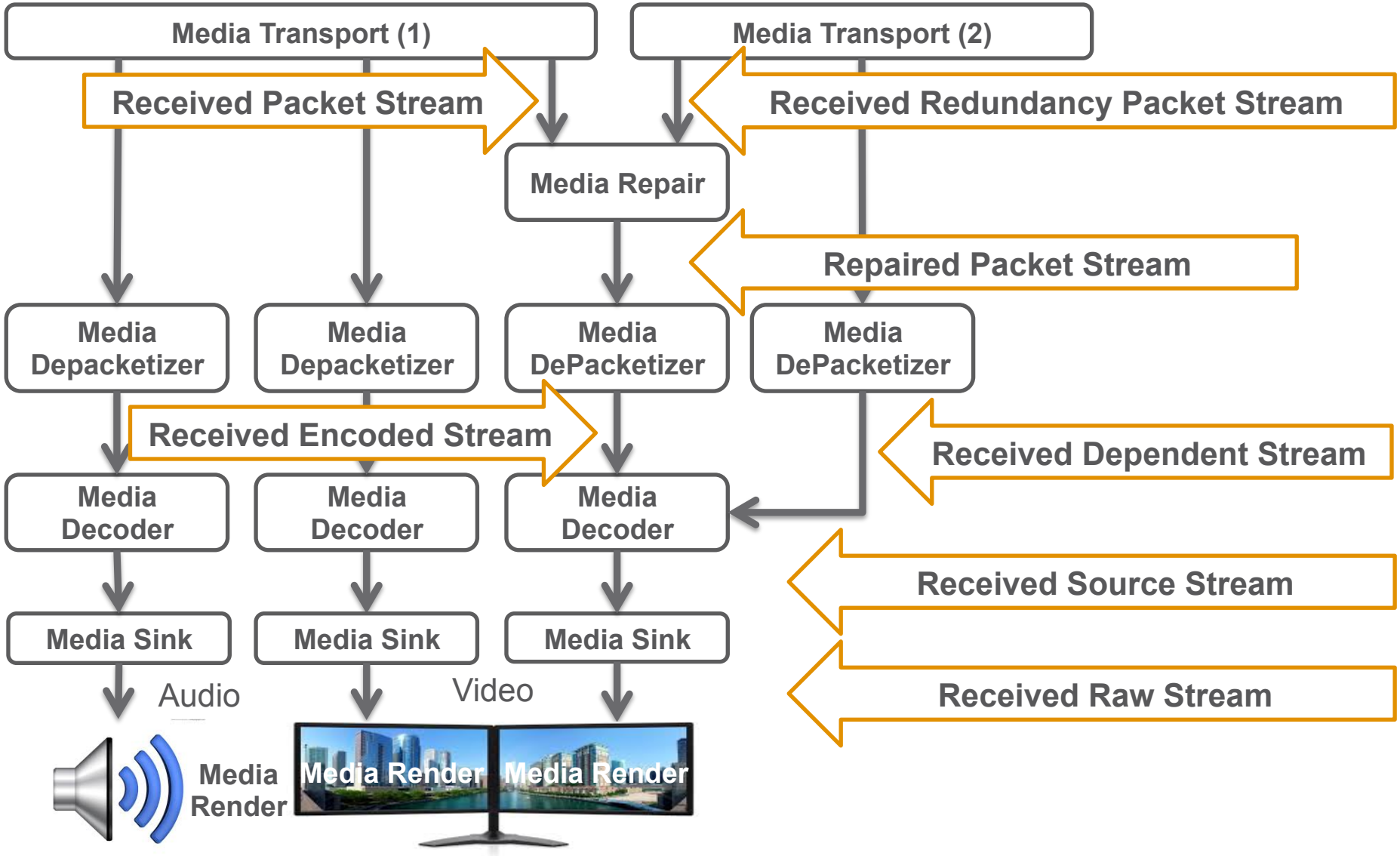


Media Transport Detailed

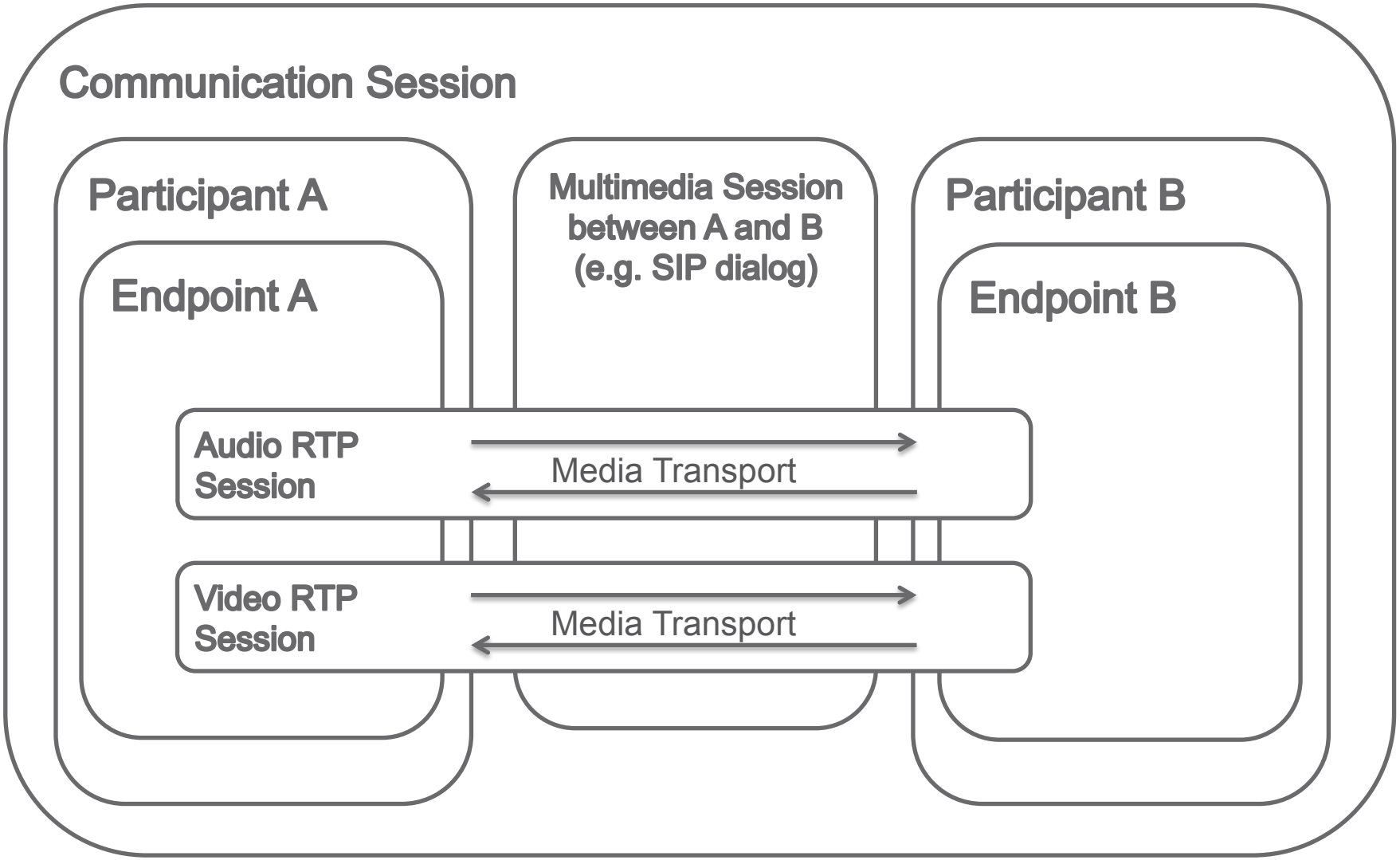


Example

Media Chain Receiver Side



Communication Entities



Scalable Media Transmission Modes

- Most recent mailing list conclusion
  - Not yet in the draft
- SST
  - RFC 6190: Single Session Transmission
  - Should be: Single Stream Transmission
- MST
  - RFC 6190: Multi-Session Transmission
  - Should be: Multi-Stream Transmission
- Irrespective of use of RTP Sessions

Way Forward

- Ready for WG last call?