Multiple RTP Sessions on a Single Lower-Layer Transport

draft-westerlund-avtcore-transport-multiplexing-04

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Status and Next Steps

› Current version of the draft:
  – Implements a prefixed SHIM with 14-bit session ID field
  – Proposing to change DTLS-SRTP key-derivation for SRTP
    › generate different keys for all used RTP sessions
    › Based on a single hand-shake
  – Signalling an open issue due to "BUNDLE" discussion

› Only multiplexing solution that supports multiple full RTP sessions on a single 5-tuple

› Has been discussed and matured over several meetings

› Agreement in Quebec City IETF to provide this solution in addition to documenting how to use multiple media within a single RTP session

› Request adoption as AVTCORE working group draft