

# Describing SCTP-based media transport using SDP

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[draft-fairlie-mmusic-sdp-sctp-00.txt](#)

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# Why is SCTP interesting?

SCTP provides many benefits:

- ◆ Media fault tolerance through multi-homing
- ◆ Chunk bundling of multiple media streams can result in greater bandwidth efficiency
- ◆ Partially connection-oriented (for *both* reliable and unreliable modes)
- ◆ Other SCTP features, e.g., transport-layer data fragmentation



# What is the draft?

This draft provides guidelines to...

- ◆ map SDP media announcements to SCTP streams.
- ◆ describe how the required SCTP association(s) are to be established.

The draft defines three new transport identifiers: **“SCTP”**, **“USCTP”** & **“RTP/AVP-USCTP”** (and four new SDP attributes).



# Differences to comedia model

- ◆ SCTP associations are not between SDP media endpoints (rather SCTP endpoints).
- ◆ Association establishment can occur independently of media announcements.
- ◆ The set of information required to reliably establish an association is greater than the information used to identify the media endpoint (in SDP media announcements).



# What next?

- ◆ WG thoughts on this draft
- ◆ U-SCTP status
- ◆ Other open issues:
  - ☞ track comedia issues & changes
    - => change *sctpAssn* attribute to use comedia *direction* attribute format directly]
  - ☞ do we need RTCP on separate association?
    - => might make sense to optionally allow the mapping of media announcements to an entire association