SDP-based Data Channel Negotiation:
draft-ietf-mmusic-data-channel-sdpneg-21

Roni Even
SDP-based Data Channel Negotiation - Recap

• Data channel setup can be done using either the in-band Data Channel Establishment Protocol (DCEP) or using out-of-band non-DCEP protocol

• This document specifies how the SDP offer/answer exchange can be used to achieve an out-of-band non-DCEP negotiation

• Normative referenced by CLUE data channel document and CLUE signaling.
SDP-based Data Channel Negotiation – open issue

• The SDP DCSA attribute allows the negotiation of a data channel subprotopol attribute

• The DCSA attributes are SDP attributes that are specified to be used on the DCSA level. This is similar to the SSRC attribute (RFC5576) that has its own registry
  
  Name: dcsa
  Value: dcsa-value
  Usage Level: media
  Charset Dependent: no
  Syntax: dcsa-value = stream-id SP attribute attribute = <from-RFC4566>
  Example:
  a=dcsa:2
  subprotocol="MSRP";ordered=true;label="MSRP"
  a=dcsa:2 accept-types:text/plain

• The current IANA considerations in section 9.3 introduces a new dcsa usage level of the SDP media description to the IANA SDP att-field registry.

• The proposal is to define a new registry “"att-field (dcsa level)“. There is no option to add a usage level to the current “att-field” registries.
SDP-based Data Channel Negotiation – open issue

- Paul Kyzivat mentioned that a re-organization of the att-field registry was discussed in the past.

- Currently we have the following att-fields:

  att-field (session level)
  att-field (both session and media level)
  att-field (media level only)
  att-field (source level)
  att-field (unknown level)

- The proposal was to create one att-field registry that will have a usage level column listing the relevant usage level for the attribute.
Way forward

• For SDP-based Data Channel Negotiation create a new registry
• Do we want to change the att-field registry – if yes, who will do it?