SDP-based Data Channel Negotiation:

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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 subprotol 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=dcmap: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:

<div align="center">

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

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- 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 regsitry – if yes, who will do it?