SDP Identity Attribute

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draft-ietf-rtcweb-security-arch

christer.Holmberg@ericsson.com
BACKGROUND & ASSUMPTION

BACKGROUND:
— Some issues and questions related to the SDP Identity attribute were raised in the SDP directorate review of the attribute
  — https://www.ietf.org/mail-archive/web/rtcweb/current/msg17124.html

ASSUMPTION:
— The SDP Identity attribute is a generic attribute, that can be used to carry identity assertions in different environments
  — Not WebRTC specific
ISSUE: Non-fingerprint based identity assertion?

QUESTION:
— Is it allowed to use some other information than fingerprint to create the identity assertion?

ANSWER:
— From a protocol perspective, it is allowed to use other information
— Outside the scope of the rtcweb draft

WAY FORWARD:
— Indicate that it is allowed to user other information than fingerprint to create identity assertions
— Indicate that the associated procedures, JSON structure for the Identity attribute value etc must be defined
ISSUE: Updated identity

QUESTION:
— Is it allowed to update the identity in a subsequent offer/answer?
  — Could happen e.g., in a call transfer scenario where an endpoint receives a subsequent offer with SDP information associated with a new peer

ANSWER:
— From a protocol perspective, it is allowed to update the identity
— May not be supported by the receiver
  — WebRTC does not allow updating the identity of the peer

WAY FORWARD:
— Indicate that it is allowed to update the identity in a subsequent offer or answer
— Indicate that, if the receiver does not support the update, it must not accept the offer or answer
THE WAY FORWARD

— Create Pull Request(s)
  — Fix/clarify the technical issues
  — Adopt “template” for SDP attributes
    — Sending initial offer, Sending answer, etc.

— Existing Pull Request for related issues
  — https://github.com/rtcweb-wg/security-arch