SCTP Overlay Link Protocols

- RELOAD recommends to use in priority protocols that do not suffer from Head-of-Line blocking, but none of the protocols defined in -base follows this recommendation.

- This document defines 2 new Overlay Links based on SCTP.

- Both are very simple as they do not require framing or retransmission.
DTLS-SCTP-NO-ICE

- Uses DTLS over native SCTP (RFC 6083)

- SCTP does not work behind most NAT, so no point of defining DTLS-SCTP.
DTLS-SCTP-UDP

- Uses DTLS over an UDP encapsulation of SCTP (RFC 6083 and draft-ietf-tsvwg-sctp-udp-encaps) to simplify NAT traversal.

- No point of defining DTLS-SCTP-UDP-NO-ICE as DTLS-SCTP-NO-ICE will probably be more efficient.
Next

- WG item?

- Plan for a reference implementation for DTLS-SCTP-NO-ICE.