Stream Control Transmission Protocol (SCTP) Network Address Translation Support
draft-ietf-tsvwg-natsupp-22.txt

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Status

• Reviews received from
  – Magnus Westerlund
  – Claudio Porfiri
  – Martin Duke

• Some of the comments can be addressed
  (clarification, corrections, additions)

• Claudio / Magnus bring up a fundamental issue
SCTP NAT

• A NAT can change the source/destination addresses of a packet, but not the source/destination port numbers.
• Multihoming support requires special handling due to consistent handling of NAT functions on different paths.
• How to handle local port number collisions?
Two Ways of Doing NAT

• Using the port numbers with the verification tag as a association identifier
  – 46-bit of randomness
  – Requires changes in association lookup in the end-points

• Classical way of doing NAT (not NAPT)
  – Needs the end-points to take care of port number collisions
  – No changes in association lookup