RFC 4895bis: SCTP Authentication

draft-tuexen-tsvwg-rfc4895-bis-02

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Motivation

• Incorporate relevant changes from draft-nagesh-sctp-auth-4895bis-00
• Add more algorithms, potentially retire HMAC-SHA-1.
• Add socket API considerations allowing applications to query which algorithms are used for sending and to get notified about changes of parameters when receiving.
• Use part of the common header in the computation of the MAC to mitigate reflection attacks. Recently brought up by Ericsson.
• Improve handling of using direction specific algorithms (using key derivation, for example). Recently brought up by Ericsson.
Status

- draft-tuexen-tsvwg-rfc4895-bis-00
  Submit RFC 4895 as an ID.
- draft-tuexen-tsvwg-rfc4895-bis-01
  Update to xmlv3.
- draft-tuexen-tsvwg-rfc4895-bis-02
  Wordsmithing and updating references.
Next Steps

• Incorporate any additional feedback.
• Working group adoption?