

RFC4960 - Stream Control Transmission Protocol

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Table 1: Data sheet for RFC4960 Stream Control Transmission Protocol (SCTP)

Title	Stream Control Transmission Protocol
Acronym	SCTP
Version	2007
Document Number	RFC4960
Release Date	September 2007
Reference	https://tools.ietf.org/html/rfc4960

Note: The following is an excerpt from the official IETF RFC. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

Introduction

This document obsoletes RFC 2960 and RFC 3309. It describes the [Stream Control Transmission Protocol \(SCTP\)](#). SCTP is designed to transport Public Switched Telephone Network (PSTN) signaling messages over [Internet Protocol \(IP\)](#) networks, but is capable of broader applications.

SCTP is a reliable transport protocol operating on top of a connectionless packet network such as IP. It offers the following services to its users:

- acknowledged error-free non-duplicated transfer of user data,
- data fragmentation to conform to discovered path MTU size,
- sequenced delivery of user messages within multiple streams, with an option for order-of-arrival delivery of individual user messages,
- optional bundling of multiple user messages into a single SCTP packet, and
- network-level [fault tolerance](#) through supporting of multi-homing at either or both ends of an association.

The design of SCTP includes appropriate congestion avoidance behavior and resistance to flooding and masquerade attacks.

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