

TLS Extension for SEED and HAS-160

[draft-ietf-tls-seedhas-00.txt](#)

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Introduction

This document proposes the addition of new cipher suites to the TLS protocol 1.0 [[TLS](#)] to support SEED and HAS-160.

The SEED algorithm is 128-bit symmetric block cipher algorithm. [[SEED](#)] The HAS-160 is 160-bit secure hash function, whose block size is 512 bit. [[HAS](#)] Both algorithms are developed in Korea since 1997 for stronger communication security. Currently, SEED is widely used and is the mandatory cipher in banking and stock applications in Korea.

HMAC of HAS-160

HMAC of HAS160 can be defined like HMAC_MD5 or HMAC_SHA1. Since HAS-160 is 512-bit block, 160-bit output secure hash algorithm, B=64 and L=20 as the notation of [[HMAC](#)].

The test values of HMAC_HAS160 is provided as appendix of this

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