A trace has been found.

Abbreviations \sim M 3 = sci A 3

 \sim M_4 = enc(key_enc(sak_2,kdf(szk_3,10)),key_dec(key_enc(sak_2,kdf(szk_3,10)),kdf(szk_3,10))) \sim M_5 = hmac(enc(key_enc(sak_2,kdf(szk_3,10)),key_dec(

key_enc(sak_2,kdf(szk_3,10)),kdf(szk_3,10))),1, 2,key_dec(key_enc(sak_2,kdf(szk_3,10)),kdf(szk_3,

 \sim M = sci A 3

