Abbreviations $\sim M_3 = \exp(g, \operatorname{privEK_AS_1})$ $\sim M_4 = \operatorname{appEUI_3}$

~M_5 = xor((cred_AS,AEAD_enc(HKDFexpand(HKDFextract(HKDFextract(emptyextractKey,exp(a,privEK_AS_1)), exp(a,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1),appEUI_3)),K_2m_constantstring), HKDFexpand(HKDFextract(HKDFextract(emptyextractKey,exp(a,privEK_AS_1)),exp(a,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1),appEUI_3)),IV_2m_constantstring),emptystring,(sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1),appEUI_3)),cred_AS))),HKDFexpand(HKDFextract(emptyextractKey,exp(a,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1),appEUI_3)),cred_AS))),hkDFexpand(HKDFextract(emptyextractKey,exp(a,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1)),sha256((a,devEUI_3,appEUI_3)),exp(g,privEK_AS_1),exp(g

A trace has been found.

