Abbreviations

~M_1 = senckey((fAKID((fATID(SUPI,K),ID_MNO_5)),ID_AF_5, hmac((user_id,ID_AF_5),K_UE)),KEMkey(Encaps(pk(SK_MNO),rUE_1)))

A trace has been found.

ID_AF_5,hmac((user_id,ID_AF_5),K_UE)),KEMkey(Encaps(pk(SK_MNO),rUE_1))),KEMkey(Encaps(pk(SK_MNO),rUE_1)))

~M 2 = KEMCipher(Encaps(pk(SK_MNO),rUE_1))

 \sim M 3 = hmac(senckey((fAKID((fATID(SUPI,K),ID MNO 5)),

 \sim M 4 = ID MNO 5

