Abbreviations \sim M_83162 = non_confirmable \sim M 83163 = CoAP POSTCode ~M 83164 = messageid 82688 \sim M 83165 = token 82681 \sim M 83168 = partial iv 82685 \sim M 83169 = IDri 82682 \sim M 83170 = idcontext 82684 ~M_83167 = aeadEncrypt(HKDF(msecret_82686,msalt 82687, (IDri_82682,idcontext_82684,AES_CCM,label_key, alg_key_length(AES_CCM,label_key))),aeadNonce(IDri 82682, partial iv 82685, HKDF (msecret 82686, msalt_82687,(emptyId,idcontext_82684,AES_CCM,label_iv, alg key length(AES CCM,label iv)))),((CoAP GETCode, isLightBulbTurnedOn),msg1(a 82669,a 82670)),(encrypt0, oscore version one, AES CCM, IDri_82682, partial_iv_82685)) $\sim X_1 = (a_82679, a_82678, a_82677, a_82676, (\sim M 83168, \sim M 82970,$ ~M 82971),~M 83167) = (a 82679,a 82678,a 82677, a 82676,(partial iv 82685,IDri 82682,idcontext 82684), aeadEncrypt(HKDF(msecret 82686,msalt 82687,(IDri 82682, idcontext 82684,AES CCM,label key,alg key length(AES_CCM,label_key))),aeadNonce(IDri_82682,partial_iv_82685, HKDF(msecret 82686,msalt 82687,(emptyId,idcontext 82684, AES_CCM,label_iv,alg_key_length(AES_CCM,label_iv)))), ((CoAP GETCode, is LightBulbTurnedOn), msg1(a 82669,

A trace has been found.

 \sim M_83405 = non_confirmable \sim M_83406 = CoAP_CHANGEDCode \sim M_83407 = responseId_82731

a 82670)),(encrypt0,oscore version one,AES CCM,

IDri 82682, partial iv 82685)))

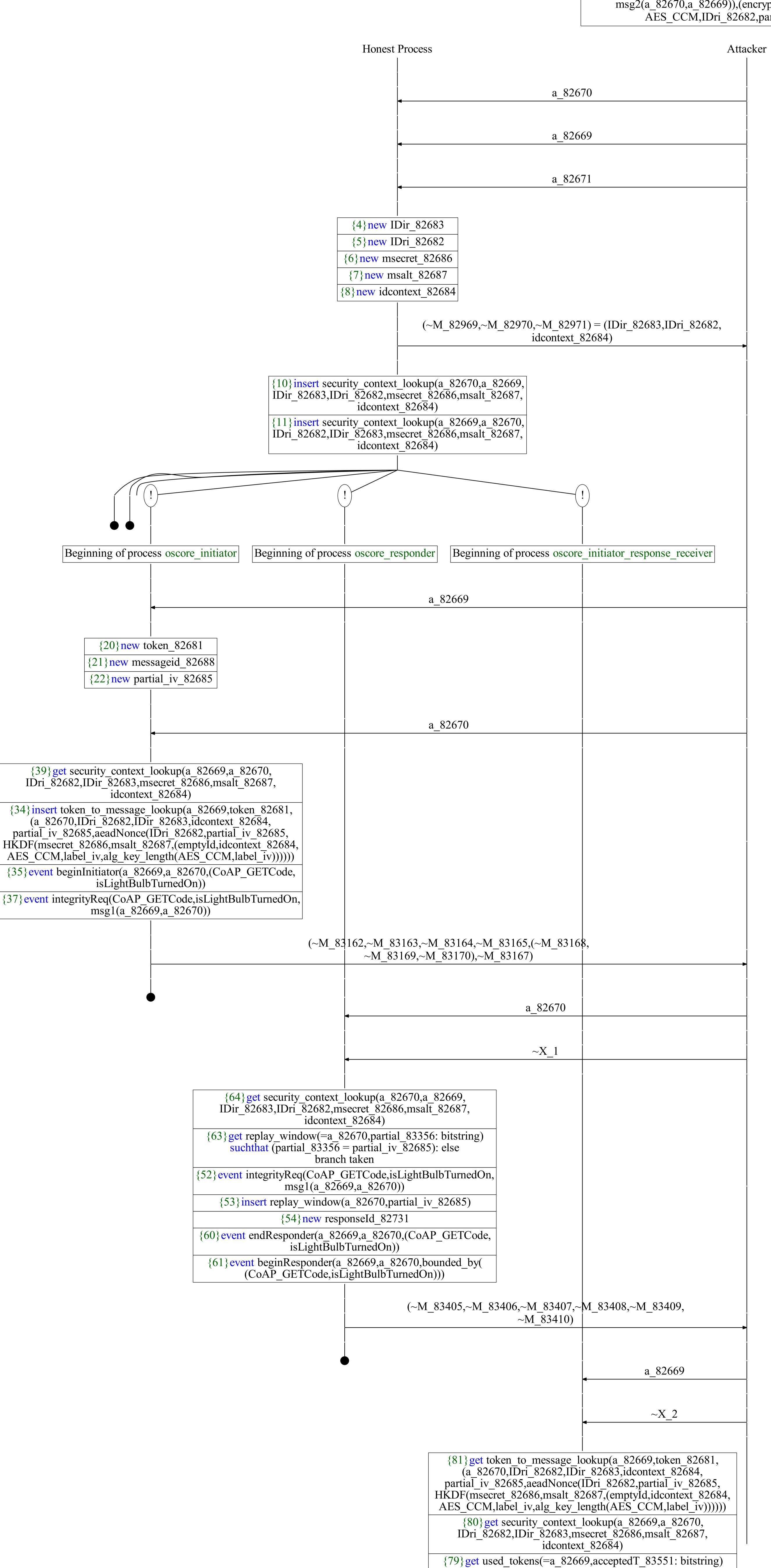
 \sim M_83408 = a_82676

 \sim M_83409 = empty

~M_83410 = aeadEncrypt(HKDF(msecret_82686,msalt_82687, (IDir_82683,idcontext_82684,AES_CCM,label_key, alg_key_length(AES_CCM,label_key))),aeadNonce(IDri_82682,partial_iv_82685,HKDF(msecret_82686, msalt_82687,(emptyId,idcontext_82684,AES_CCM,label_iv, alg_key_length(AES_CCM,label_iv)))),((CoAP_CONTENTCode, bounded_by((CoAP_GETCode,isLightBulbTurnedOn))), msg2(a_82670,a_82669)),(encrypt0,oscore_version_one, AES_CCM,IDri_82682,partial_iv_82685))

 \sim X_2 = (\sim M_83165,a_82673,a_82674,a_82675,empty, \sim M_83410)

(token_82681,a_82673,a_82674,a_82675,empty,aeadEncrypt(
HKDF(msecret_82686,msalt_82687,(IDir_82683,idcontext_82684,
AES_CCM,label_key,alg_key_length(AES_CCM,label_key))),
aeadNonce(IDri_82682,partial_iv_82685,HKDF(msecret_82686,
msalt_82687,(emptyId,idcontext_82684,AES_CCM,label_iv,
alg_key_length(AES_CCM,label_iv))),((CoAP_CONTENTCode,
bounded_by((CoAP_GETCode,isLightBulbTurnedOn))),
msg2(a_82670,a_82669)),(encrypt0,oscore_version_one,
AES_CCM,IDri_82682,partial_iv_82685)))



suchthat (acceptedT_83551: bitstring)

branch taken

{75}insert used_tokens(a_82669,token_82681)

{76} event match(a_82675,(CoAP_CONTENTCode,bounded_by(CoAP_GETCode,isLightBulbTurnedOn))))