$\sim$ M\_9307 = coap\_version\_one  $\sim$ M 9308 = non confirmable  $\sim$ M\_9309 = bounded\_by(token\_9039)  $\sim$ M\_9310 = CoAP\_POSTCode  $\sim$ M\_9311 = messageid\_9040  $\sim$ M 9312 = token 9039  $\sim$ M\_9315 = partial\_iv\_9041  $\sim$ M 9316 = IDri 9014  $\sim$ M 9317 = idcontext 9010 ~M\_9314 = aeadEncrypt(HKDF(msecret\_9012,msalt\_9011, |(IDri\_9014,idcontext\_9010,AES\_CCM,label\_key),alg\_key\_length(| AES\_CCM,label\_key)),aeadNonce(IDri\_9014,partial\_iv\_9041, HKDF(msecret\_9012,msalt\_9011,(emptyId,idcontext\_9010, AES\_CCM,label\_iv),alg\_key\_length(AES\_CCM,label\_iv))), ((CoAP\_GETCode,isLightBulbTurnedOn),msg1id\_9042), (encrypt0,oscore\_version\_one,AES\_CCM,IDri\_9014, partial\_iv\_9041))  $\sim$ M\_9444 = coap\_version\_one  $\sim$ M\_9445 = non\_confirmable  $\sim$ M\_9446 = bounded\_by(token\_9017)  $\sim$ M\_9447 = CoAP\_POSTCode  $\sim$ M\_9448 = messageid\_9018  $\sim$ M\_9449 = token\_9017  $\sim$ M\_9452 = partial\_iv\_9016  $\sim$ M 9453 = IDri 9014  $\sim$ M 9454 = idcontext 9010 ~M\_9451 = aeadEncrypt(HKDF(msecret\_9012,msalt\_9011, (IDri\_9014,idcontext\_9010,AES\_CCM,label\_key),alg\_key\_length( AES\_CCM,label\_key)),aeadNonce(IDri\_9014,partial\_iv\_9016, HKDF(msecret\_9012,msalt\_9011,(emptyId,idcontext\_9010, AES\_CCM,label\_iv),alg\_key\_length(AES\_CCM,label\_iv))), ((CoAP\_GETCode,isLightBulbTurnedOn),msg1id\_9015), (encrypt0,oscore\_version\_one,AES\_CCM,IDri\_9014, partial\_iv\_9016))  $\sim$ M 9579 = coap\_version\_one  $\sim$ M\_9580 = non\_confirmable  $\sim$ M\_9581 = bounded\_by(token\_9081)  $\sim$ M\_9582 = CoAP\_POSTCode  $\sim$ M\_9583 = messageid\_9082  $\sim$ M 9584 = token 9081  $\sim$ M\_9587 = partial\_iv\_9083  $\sim$ M 9588 = IDir 9013  $\sim$ M 9589 = idcontext 9010 ~M\_9586 = aeadEncrypt(HKDF(msecret\_9012,msalt\_9011, (IDir 9013,idcontext 9010,AES CCM,label key),alg key length( AES\_CCM,label\_key)),aeadNonce(IDir\_9013,partial\_iv\_9083, HKDF(msecret\_9012,msalt\_9011,(emptyId,idcontext\_9010, AES\_CCM,label\_iv),alg\_key\_length(AES\_CCM,label\_iv))), ((CoAP\_GETCode,isLightBulbTurnedOn),msg1id\_9084),

(emptyId,~M\_9317,AES\_CCM,label\_iv),alg\_key\_length(AES\_CCM,label\_iv)))) = msg1id\_9015 in phase 1

Abbreviations

A trace has been found.

