

Abbreviations	
~X_1 = Request(Header(~M_16480,~M_16481,~M_16482,~M_16483,~M_16484),~M_16473,CoAP_Option_OSCORE_Option_context(~M_16477,~M_16478,~M_16479),payload_from_ciphertext(~M_16476)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(token_15891),CoAP_GETCode,messageID_15892),token_15891,CoAP_Option_OSCORE_Option_context(partial_iv_15893,IDir_15854,idcontext_15855),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_15856,IDir_15854,default_aead_algorithm,idcontext_15855),aead_nonce(IDir_15854,derive_common_iv_context(MasterSecret_15856,idcontext_15855,default_aead_algorithm),partial_iv_15893),(CoAP_POSTCode,payload_15894),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_15854,partial_iv_15893))))))	
~X_2 = Request(Header(~M_16915,~M_16916,~M_16917,~M_16918,~M_16919),~M_16908,CoAP_Option_OSCORE_Option_context(~M_16912,~M_16913,~M_16914),payload_from_ciphertext(~M_16911)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(token_15851),CoAP_GETCode,messageID_15852),token_15851,CoAP_Option_OSCORE_Option_context(partial_iv_15853,IDir_15854,idcontext_15855),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_15856,IDir_15854,default_aead_algorithm,idcontext_15855),aead_nonce(IDir_15854,derive_common_iv_context(MasterSecret_15856,idcontext_15855,default_aead_algorithm),partial_iv_15853),(CoAP_POSTCode,payload_15857),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_15854,partial_iv_15853))))))	
~X_3 = Request(Header(a_15844,a_15845,a_15846,a_15847,a_15848),a_15843,CoAP_Option_OSCORE_Option_context(~M_16912,~M_16478,~M_15944),payload_from_ciphertext(~M_16911)) = Request(Header(a_15844,a_15845,a_15846,a_15847,a_15848),a_15843,CoAP_Option_OSCORE_Option_context(partial_iv_15853,IDir_15854,idcontext_15855),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_15856,IDir_15854,default_aead_algorithm,idcontext_15855),aead_nonce(IDir_15854,derive_common_iv_context(MasterSecret_15856,idcontext_15855,default_aead_algorithm),partial_iv_15853),(CoAP_POSTCode,payload_15857),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_15854,partial_iv_15853))))))	A trace has been found.
~X_4 = Request(Header(~M_17266,~M_17267,~M_17268,~M_17269,~M_17270),~M_17262,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(~M_17265)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(a_15843),CoAP_CHANGEDCode,responseMessageId_15929),a_15843,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_15856,IDri_15872,default_aead_algorithm,idcontext_15855),aead_nonce(IDir_15854,derive_common_iv_context(MasterSecret_15856,idcontext_15855,default_aead_algorithm),partial_iv_15853),(generateResponseCode(CoAP_POSTCode,payload_15857),generateResponsePayload(CoAP_POSTCode,payload_15857)),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDri_15872,partial_iv_15853))))))	
~X_5 = Request(Header(a_15837,a_15838,a_15839,a_15840,a_15841),~M_16908,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(~M_17265)) = Request(Header(a_15837,a_15838,a_15839,a_15840,a_15841),token_15851,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_15856,IDri_15872,default_aead_algorithm,idcontext_15855),aead_nonce(IDir_15854,derive_common_iv_context(MasterSecret_15856,idcontext_15855,default_aead_algorithm),partial_iv_15853),(generateResponseCode(CoAP_POSTCode,payload_15857),generateResponsePayload(CoAP_POSTCode,payload_15857)),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDri_15872,partial_iv_15853))))))	

