

Abbreviations	
~X_1 = Request(Header(~M_8960,~M_8961,~M_8962,~M_8963,~M_8964),~M_8953,CoAP_Option_OSCORE_Option_context(~M_8957,~M_8958,~M_8959),payload_from_ciphertext(~M_8956))	A trace has been found.
= Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(token_7504),CoAP_GETCode,messageID_7505),token_7504,CoAP_Option_OSCORE_Option_context(partial_iv_7501,IDir_7498,idcontext_7500),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_7499,IDir_7498,default_aead_algorithm,idcontext_7500),aead_nonce(IDir_7498,derive_common_iv_context(MasterSecret_7499,idcontext_7500,default_aead_algorithm),partial_iv_7501),(CoAP_POSTCode,payload_7506),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_7498,partial_iv_7501))))))	
~X_2 = Request(Header(a_7490,a_7491,a_7492,a_7493,a_7494),a_7495,CoAP_Option_OSCORE_Option_context(~M_8957,~M_8958,~M_8420),payload_from_ciphertext(~M_8956))	
= Request(Header(a_7490,a_7491,a_7492,a_7493,a_7494),a_7495,CoAP_Option_OSCORE_Option_context(partial_iv_7501,IDir_7498,idcontext_7500),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_7499,IDir_7498,default_aead_algorithm,idcontext_7500),aead_nonce(IDir_7498,derive_common_iv_context(MasterSecret_7499,idcontext_7500,default_aead_algorithm),partial_iv_7501),(CoAP_POSTCode,payload_7506),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_7498,partial_iv_7501))))))	
~X_3 = Request(Header(a_7490,a_7491,a_7492,a_7493,a_7494),a_7495,CoAP_Option_OSCORE_Option_context(~M_8957,~M_8958,~M_8420),payload_from_ciphertext(~M_8956))	
= Request(Header(a_7490,a_7491,a_7492,a_7493,a_7494),a_7495,CoAP_Option_OSCORE_Option_context(partial_iv_7501,IDir_7498,idcontext_7500),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_7499,IDir_7498,default_aead_algorithm,idcontext_7500),aead_nonce(IDir_7498,derive_common_iv_context(MasterSecret_7499,idcontext_7500,default_aead_algorithm),partial_iv_7501),(CoAP_POSTCode,payload_7506),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_7498,partial_iv_7501))))))	
~X_4 = Request(Header(~M_10495,~M_10496,~M_10497,~M_10498,~M_10499),~M_10491,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(~M_10494))	
= Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(a_7495),CoAP_CHANGEDCode,responseMessageId_10486),a_7495,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_7499,IDri_7497,default_aead_algorithm,idcontext_7500),aead_nonce(IDir_7498,derive_common_iv_context(MasterSecret_7499,idcontext_7500,default_aead_algorithm),partial_iv_7501),(generateResponseCode(CoAP_POSTCode,payload_7506),generateResponsePayload(CoAP_POSTCode,payload_7506)),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDri_7497,partial_iv_7501))))))	

