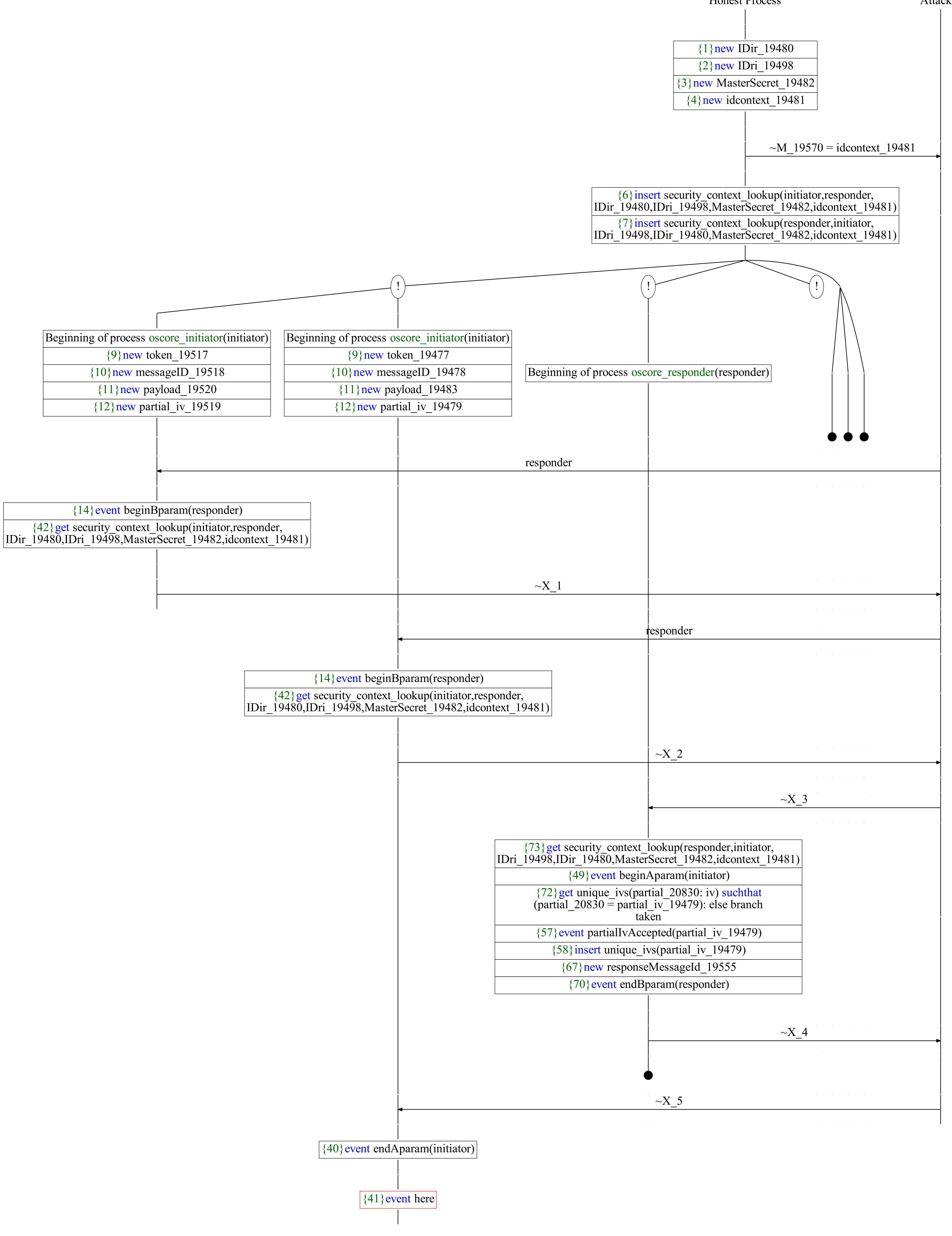
Abbreviations \sim X_1 = Request(Header(\sim M_20110, \sim M_20111, \sim M_20112, \sim M_20113, ~M_20114),~M_20103,CoAP_Option_OSCORE_Option_context(~M 20107,~M 20108,~M 20109),payload from ciphertext(~M 20106)) = Request(Header(CoAP versionOne,CoAP nonConfirm, CoAP_tokenLength(token_19517),CoAP_GETCode,messageID_19518), token 19517, CoAP Option OSCORE Option context(partial_iv_19519,IDir_19480,idcontext_19481),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_19482, IDir 19480, default aead algorithm, idcontext 19481), aead nonce(IDir 19480,derive_common_iv_context(MasterSecret_19482,idcontext_19481,default_aead_algorithm), partial_iv_19519),(CoAP_POSTCode,payload_19520), AAD(encrypt0_context,encrypt0(oscore_version_one, default aead algorithm, IDir 19480, partial iv 19519))))) \sim X 2 = Request(Header(\sim M 20545, \sim M 20546, \sim M 20547, \sim M 20548, ~M_20549),~M_20538,CoAP_Option_OSCORE_Option context(~M 20542,~M 20543,~M 20544),payload from ciphertext(~M 20541)) = Request(Header(CoAP versionOne,CoAP nonConfirm, CoAP tokenLength(token 19477), CoAP GETCode, messageID 19478), token 19477, CoAP Option OSCORE Option context(partial iv 19479,IDir 19480,idcontext 19481),payload from ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_19482, IDir 19480, default aead algorithm, idcontext 19481), aead nonce(IDir 19480,derive_common_iv_context(MasterSecret 19482, idcontext 19481, default aead algorithm), partial iv 19479),(CoAP_POSTCode,payload_19483), AAD(encrypt0_context,encrypt0(oscore_version_one, default aead algorithm, IDir 19480, partial iv 19479))))) \sim X 3 = Request(Header(a 19470,a 19471,a 19472,a 19473, a_19474),a_19469,CoAP Option OSCORE Option context(~M 20542,~M 20108,~M 19570),payload from ciphertext(\sim M 20541)) = Request(Header(a 19470,a 19471,a 19472, a_19473,a_19474),a_19469,CoAP_Option_OSCORE_Option_context(partial iv 19479,IDir 19480,idcontext 19481),payload from ciphertext(enc COSE ciphertext(derive key context(MasterSecret 19482, IDir_19480,default_aead_algorithm,idcontext 19481), aead nonce(IDir 19480, derive common iv context(MasterSecret 19482, idcontext 19481, default aead algorithm), partial iv 19479),(CoAP POSTCode,payload 19483), AAD(encrypt0 context,encrypt0(oscore version one, default aead algorithm, IDir 19480, partial iv 19479))))) \sim X_4 = Request(Header(\sim M_20896, \sim M_20897, \sim M_20898, \sim M_20899, ~M 20900),~M 20892,CoAP Option OSCORE Option empty, payload from ciphertext(~M 20895)) = Request(Header(CoAP versionOne,CoAP nonConfirm,CoAP tokenLength(a 19469), CoAP CHANGEDCode, responseMessageId 19555), a 19469, CoAP Option OSCORE Option empty, payload from_ciphertext(enc COSE ciphertext(derive key context(MasterSecret 19482, IDri_19498,default_aead_algorithm,idcontext_19481), aead nonce(IDir 19480, derive common iv context(MasterSecret 19482, idcontext 19481, default aead algorithm), partial_iv_19479),(generateResponseCode(CoAP_POSTCode, payload_19483),generateResponsePayload(CoAP_POSTCode, payload 19483)),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDri_19498, partial iv 19479))))) \sim X_5 = Request(Header(a_19463,a_19464,a_19465,a_19466, a 19467),~M 20538,CoAP Option OSCORE Option empty, payload from ciphertext(~M 20895)) = Request(Header(a_19463,a_19464,a_19465,a_19466,a_19467),token_19477, CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_19482, IDri 19498, default aead algorithm, idcontext 19481), aead nonce(IDir 19480,derive_common_iv_context(MasterSecret 19482, idcontext 19481, default aead algorithm), partial iv 19479),(generateResponseCode(CoAP POSTCode, payload 19483), generateResponsePayload(CoAP POSTCode, payload 19483)), AAD(encrypt0_context, encrypt0(oscore version one, default aead algorithm, IDri 19498, partial_iv_19479))))) **Honest Process** Attacker



A trace has been found.