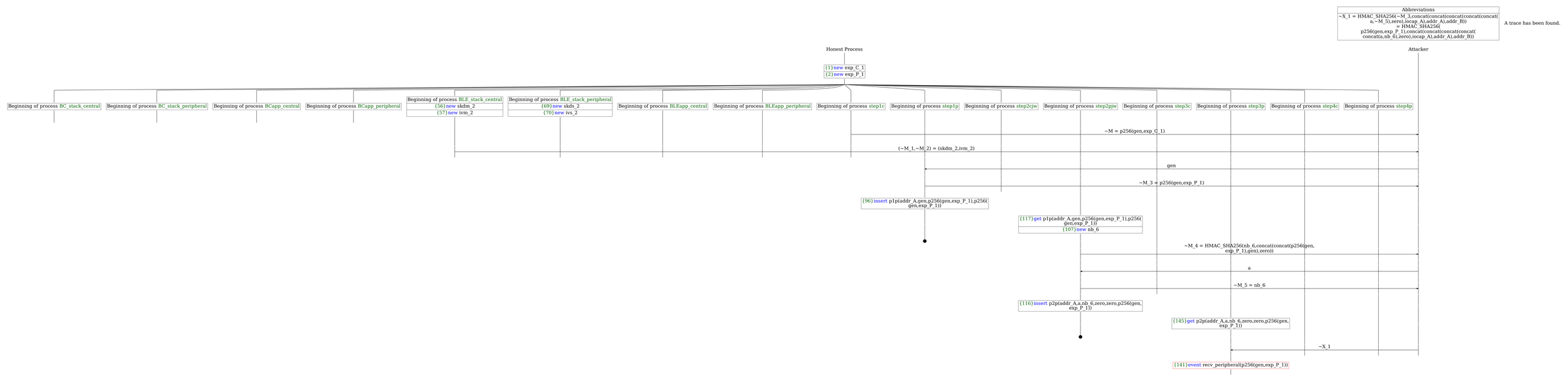
Abbreviations
~X_1 = HMAC_SHA256(~M_3,concat(concat(concat(concat(concat(
a,~M_5),zero),iocap_A),addr_A),addr_B))
= HMAC_SHA256(
p256(gen,exp_P_1),concat(concat(concat(
concat(a,nb_6),zero),iocap_A),addr_A),addr_B))
A trace has been found.
Honest Process
Attacker
{1}new exp_C_1
{2}new exp_P_1
Beginning of process BC_stack_central
Beginning of process BC_stack_peripheral
Beginning of process BCapp_central
Beginning of process BCapp_peripheral
Beginning of process BLE_stack_central
{56}new skdm_2
{57}new ivm_2
Beginning of process BLE_stack_peripheral
{69}new skds_2
{70}new ivs_2
Beginning of process BLEapp_central
Beginning of process BLEapp_peripheral
Beginning of process step1c
Beginning of process step1p
Beginning of process step2cjw
Beginning of process step2pjw
Beginning of process step3c
Beginning of process step3p
Beginning of process step4c
Beginning of process step4p
~M = p256(gen,exp_C_1)
(~M_1,~M_2) = (skdm_2,ivm_2)
gen
~M_3 = p256(gen,exp_P_1)
{96}insert p1p(addr_A,gen,p256(gen,exp_P_1),p256(
gen,exp_P_1))
{117}get p1p(addr_A,gen,p256(gen,exp_P_1),p256(
gen,exp_P_1))
{107}new nb_6
~M_4 = HMAC_SHA256(nb_6,concat(concat(p256(gen,
exp_P_1),gen),zero))
a
~M_5 = nb_6
{116}insert p2p(addr_A,a,nb_6,zero,zero,p256(gen,
exp_P_1))
{145}get p2p(addr_A,a,nb_6,zero,zero,p256(gen,
exp_P_1))
~X_1
{141}event recv_peripheral(p256(gen,exp_P_1))