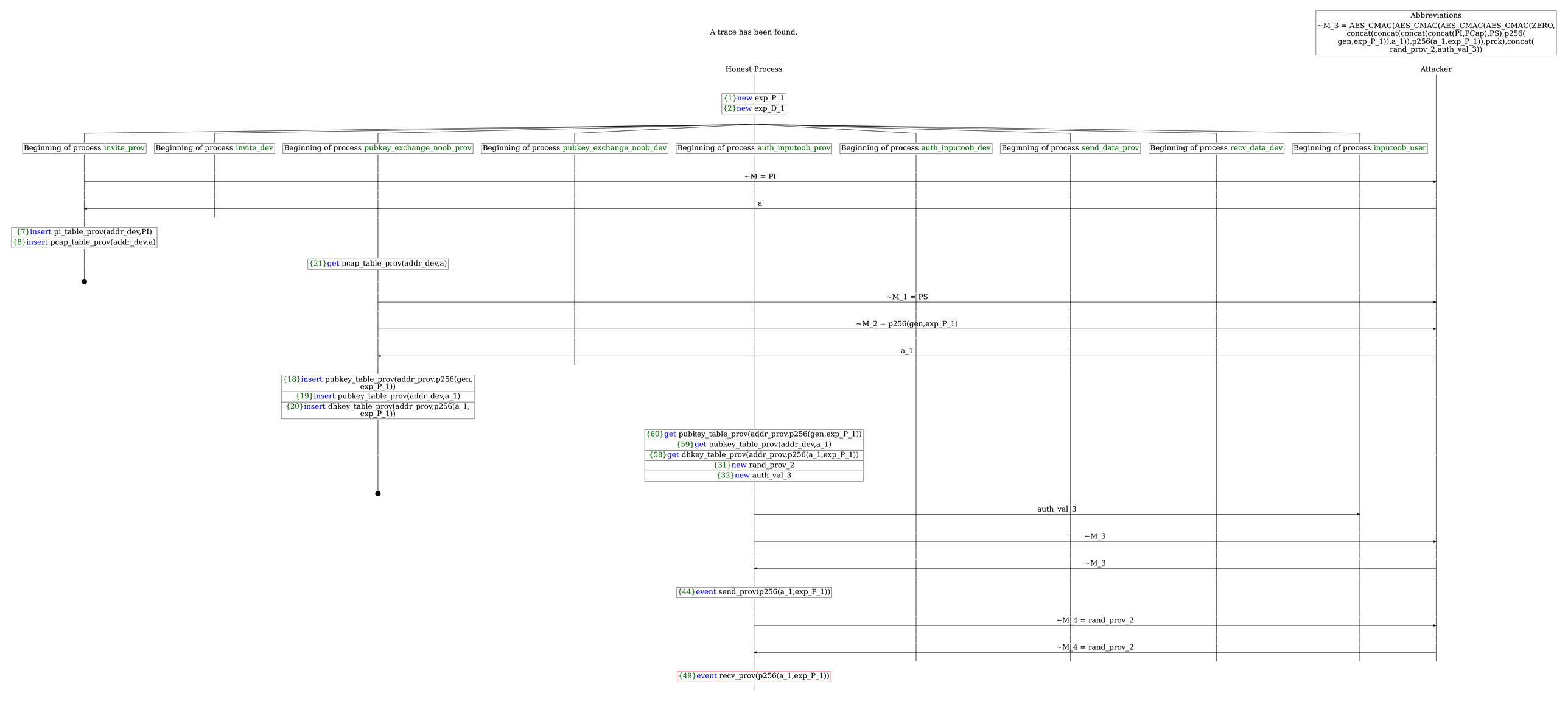
Abbreviations
~M_3 = AES_CMAC(AES_CMAC(AES_CMAC(AES_CMAC(ZERO,concat(concat(concat(concat(PI,PCap),PS),p256(gen,exp_P_1)),a_1)),p256(a_1,exp_P_1)),prck),concat(rand_prov_2,auth_val_3))
A trace has been found.
Honest Process
Attacker
{1}new exp_P_1
{2}new exp_D_1
Beginning of process invite_prov
Beginning of process invite_dev
Beginning of process pubkey_exchange_noob_prov
Beginning of process pubkey_exchange_noob_dev
Beginning of process auth_inputoob_prov
Beginning of process auth_inputoob_dev
Beginning of process send_data_prov
Beginning of process recv_data_dev
Beginning of process inputoob_user
~M = PI
a
{7}insert pi_table_prov(addr_dev,PI)
{8}insert pcap_table_prov(addr_dev,a)
{21}get pcap_table_prov(addr_dev,a)
~M_1 = PS
~M_2 = p256(gen,exp_P_1)
a_1
{18}insert pubkey_table_prov(addr_prov,p256(gen,exp_P_1))
{19}insert pubkey_table_prov(addr_dev,a_1)
{20}insert dhkey_table_prov(addr_prov,p256(a_1,exp_P_1))
{60}get pubkey_table_prov(addr_prov,p256(gen,exp_P_1))
{59}get pubkey_table_prov(addr_dev,a_1)
{58}get dhkey_table_prov(addr_prov,p256(a_1,exp_P_1))
{31}new rand_prov_2
{32}new auth_val_3
auth_val_3
~M_3
~M_3
{44}event send_prov(p256(a_1,exp_P_1))
~M_4 = rand_prov_2
~M_4 = rand_prov_2
{49}event recv_prov(p256(a_1,exp_P_1))