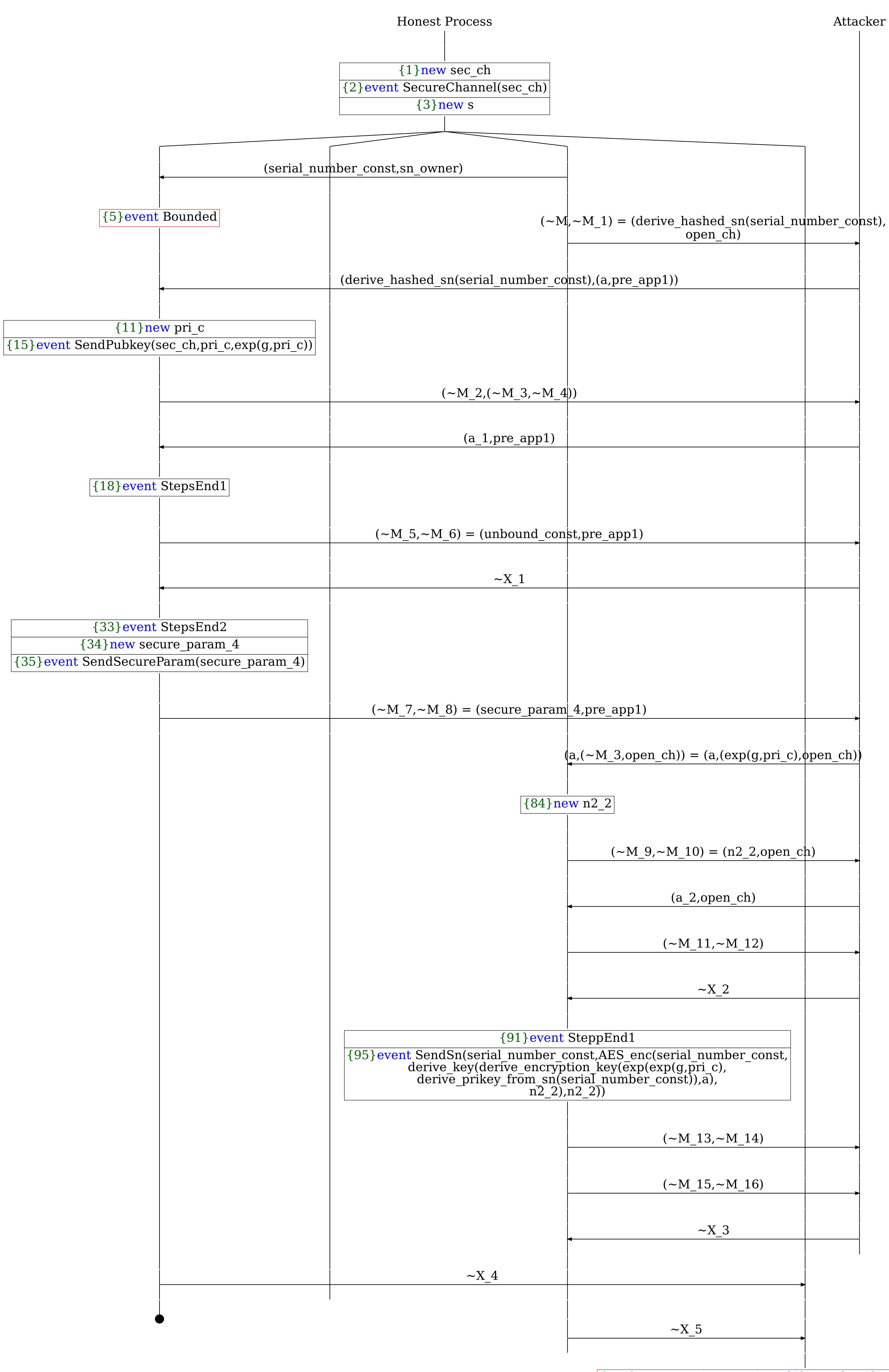
Abbreviations ~M_2 = derive_encryption_key(exp(exp(g,derive_prikey_from_sn(serial number const)),pri c),a) \sim M_3 = exp(g,pri_c) \sim M 4 = pre_app1 $\sim X 1 = (serial_number_const,(\sim M_2,pre_app1)) =$ (serial number const, (derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)),a),pre_app1)) ~M_11 = AES_enc(smartthings_const,derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),bleAuthentication const),a 2) \sim M 12 = open ch \sim X 2 = (AES enc(smartthings_const,derive_key(\sim M_2,bleAuthentication_const), \sim M 9), open ch) = (AES_enc(smartthings_const,derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)),a),bleAuthentication_const), n2 2), open ch) ~M_13 = AES_enc(serial_number_const,derive_key(derive_encryption_key(A trace has been found. exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),n2_2),n2_2) \sim M 14 = open_ch ~M_15 = AES_enc(serial_number_const,derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),n2 2),n2 2) \sim M 16 = open_ch $\sim X_3 = (AES_enc(\sim M_7, derive_key(\sim M_2, \sim M_9), \sim M_9), open_ch)$ (AES_enc(secure_param_4,derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),n2 2),n2 2),open ch) ~X_4 = (get_id(derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),privacy_const),secure_param_4,secure_param_4, secure_param 4), id s) ~X_5 = (get_id(derive_key(derive_encryption_key(exp(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),privacy_const),secure_param_4,secure_param_4, secure param 4), id p)



{107} event PairSuccess(get_id(derive_key(derive_encryption_key(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),privacy_const),secure_param_4,secure_param_4, secure_param_4),get_id(derive_key(derive_encryption_key(exp(g,pri_c),derive_prikey_from_sn(serial_number_const)), a),privacy_const),secure_param_4,secure_param_4, secure_param_4)