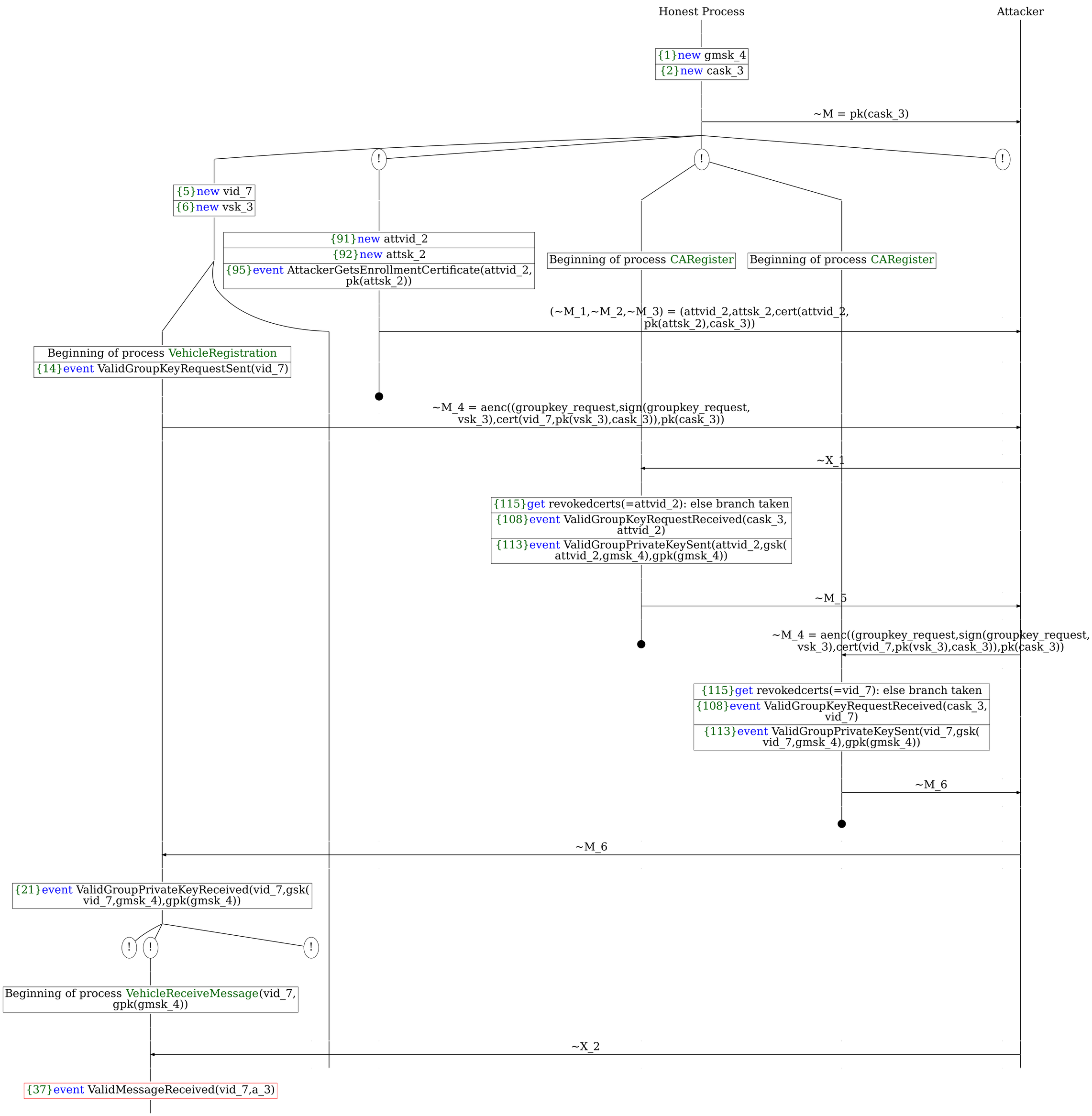
Abbreviations
~X_1 = aenc((groupkey_request,sign(groupkey_request,~M_2),~M_3),~M) = aenc((groupkey_request,sign(groupkey_request,attsk_2),cert(attvid_2,pk(attsk_2),cask_3)),pk(cask_3))
~M_5 = aenc(((groupkey_response,attvid_2,gsk(attvid_2,gmsk_4),gpk(gmsk_4)),sign((groupkey_response,attvid_2,gsk(attvid_2,gmsk_4),gpk(gmsk_4)),cask_3)),pk(attsk_2))
~M_6 = aenc(((groupkey_response,vid_7,gsk(vid_7,gmsk_4),gpk(gmsk_4)),sign((groupkey_response,vid_7,gsk(vid_7,gmsk_4),gpk(gmsk_4)),cask_3)),pk(vsk_3))
~X_2 = (a_3,sign(a_3,a_4),pseudocert(pk(a_4),3-proj-4-tuple(1-proj-2-tuple(adec(~M_5,~M_2))))) = (a_3,sign(a_3,a_4),pseudocert(pk(a_4),gsk(attvid_2,gmsk_4)))

A trace has been found.