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_4)), pk(cask_4))

~M_5 = aenc(((groupkey_response, attvid_2, gsk(attvid_2, gmsk_4), gpk(gmsk_4)), sign((groupkey_response, attvid_2, gsk(attvid_2, gsk(attvid_2, gsk(attvid_2, gsk(attvid_2, gsk(attvid_2, gsk(gmsk_4)), cask_4)), 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_4)), pk(vsk_4))

~X_2 = (a_4, sign(a_4, a_5), pseudocert(pk(a_5), 3-proj-4-tuple(

A trace has been found.

| The structure of the

