Abbreviations
~M_2880 = a1_2628
~M_2882 = a2_2629
~M_2883 = emptyset
~M_2878 = cellidSource_2818
~M_2879 = cellidTarget_2819

A trace has been found.

Honest Process

Attacker

{1}new a1_2628
{2}new a2_2629
{3}new keyAKA_2640
{4}new kenb_2641
{5}new skSE_2630
{6}new skTE_2642
{7}new skMME_2643
{11}new cellidSource_2818
{12}new cellidTarget_2819

(consset(~M_2880,consset(~M_2882,~M_2883)),~M_2878, ~M_2879) →

Beginning of process UE(consset(a1_2628,consset(a2_2629,emptyset)), kdf(cellidSource_2818,keyAKA_2640), cellidSource_2818)
{19}new radioSignal_3098
{20}new PCI_3099
{21}event UESendsMeasurementReport(radioSignal_3098, PCI_3099)

Beginning of process SeNodeB(consset(a1_2628,consset(a2_2629,emptyset)), kdf(cellidSource_2818,keyAKA_2640), cellidSource_2818, skSE_2630, spk(skTE_2642))

Beginning of process TeNodeB(cellidTarget_2819, kdf(cellidSource_2818,keyAKA_2640), skTE_2642, spk(skSE_2630), spk(skMME_2643))

Beginning of process MME(kdf(kdf(kdf(cellidSource_2818, keyAKA_2640),keyAKA_2640),keyAKA_2640), kdf(cellidSource_2818, keyAKA_2640), skMME_2643, spk(skTE_2642))

(~M_3102,~M_3103) = (radioSignal_3098,PCI_3099) →

← (a_2626,a_2627)

{31}event SNSendsHORequiredToTE(cellidSource_2818)
{32}event kenbstarSE(kenbstar)

~M_3123 = sign((kenbstar,consset(a1_2628,consset(a2_2629,emptyset))),skSE_2630) →

The attacker has the message 1-proj-2-tuple(getmsg(~M_3123)) = kenbstar in phase 2