Abbreviations
~M_1120 = a1_978
~M_1122 = a2_979
~M_1123 = emptyset
~M_1118 = cellidSource_976
~M_1119 = cellidTarget_975

A trace has been found.

Honest Process

Attacker

{1}new a1_978

{2}new a2_979

{3}new keyAKA_977

{4}new skSE_980

{5}new skTE_981

{6}new skMME_982

{10}new cellidSource_976

{11}new cellidTarget_975

(consset(~M_1120,consset(~M_1122,~M_1123)),~M_1118, ~M_1119)

Beginning of process UE(consset(a1_978,consset(a2_979,emptyset)), kdf(cellidSource_976,keyAKA_977), cellidSource_976)

{17}new radioSignal_1214

{18}new PCI_1215

Beginning of process SeNodeB(consset(a1_978,consset(a2_979,emptyset)), kdf(cellidSource_976,keyAKA_977), cellidSource_976, skSE_980, spk(skTE_981))

Beginning of process TeNodeB(cellidTarget_975, kdf(cellidSource_976,keyAKA_977), skTE_981, spk(skSE_980), spk(skMME_982))

Beginning of process MME(kdf(kdf(kdf(cellidSource_976, keyAKA_977),keyAKA_977),keyAKA_977), kdf(cellidSource_976, keyAKA_977), skMME_982, spk(skTE_981))

(a_973,a_974)

{30}event SNSendsHORequiredToTE(cellidSource_976)

{32}event kenbstarSE(kdf(cellidSource_976,kdf(cellidSource_976,keyAKA_977)))

~M_1239 = sign((kdf(cellidSource_976,kdf(cellidSource_976, keyAKA_977)),consset(a1_978,consset(a2_979,emptyset))), skSE_980)

~M_1239 = sign((kdf(cellidSource_976,kdf(cellidSource_976, keyAKA_977)),consset(a1_978,consset(a2_979,emptyset))), skSE_980)

{48}event TNReceivesHORequestFromSE(cellidTarget_975)