| Abbreviations |
|--|
| $\sim M_6233 = a1_6086$ |
| $\sim M_6235 = a2_6087$ |
| \sim M_6236 = emptyset |
| ~M_6231 = cellidSource_6084 |
| ~M_6232 = cellidTarget_6195 |
| ~M_6356 = sign((kdf(cellidSource_6084,kdf(cellidSource_6084, |

A trace has been found.

keyAKA_6085)),consset(a1_6086,consset(a2_6087, emptyset))),skSE_6091) **Honest Process** Attacker {1}new a1_6086 {2}new a2_6087 {3}new keyAKA_6085 {4}new skSE_6091 {5}new skTE_6090 {6}new skMME_6092 {10}new cellidSource_6084 {11}new cellidTarget_6195 (consset(~M_6233,consset(~M_6235,~M_6236)),~M_6231, ~M_6232) Beginning of process UE(consset(a1_6086,consset(a2_6087,emptyset)), kdf(cellidSource_6084,keyAKA_6085), cellidSource_6084) Beginning of process SeNodeB(consset(a1_6086,consset(a2_6087,emptyset)), kdf(cellidSource_6084,keyAKA_6085), cellidSource_6084, skSE_6091, spk(skTE_6090)) Beginning of process TeNodeB(cellidTarget_6195, kdf(cellidSource_6084,keyAKA_6085), skTE_6090, spk(skSE_6091), spk(skMME_6092)) Beginning of process MME(kdf(kdf(kdf(cellidSource_6084, keyAKA_6085),keyAKA_6085),keyAKA_6085), kdf(cellidSource_6084, keyAKA_6085), skMME_6092, spk(skTE_6090)) {17}new radioSignal_6088 {18}new PCI_6089 {19}event UESendsMeasurementReport(radioSignal_6088, PCI_6089) $(\sim M_6329, \sim M_6330) = (radioSignal_6088, PCI_6089)$ (a_6082,a_6083) (30) event SNSendsHORequiredToTE(cellidSource_6084) {32}event kenbstarSE(kdf(cellidSource_6084,kdf(cellidSource_6084,kdf(cellidSource_6084,kdf(cellidSource_6085))) ~M_6356 ~M_6356 [48] event TNReceivesHORequestFromSE(cellidTarget_6195) {49}event kenbstarTE(kdf(cellidSource_6084,kdf(cellidSource_6084,keyAKA_6085))) \sim M_6415 = sign((a1_6086,hndCMD),\$kTE_6090) $\sim M_6415 = sign((a1_6086,hndCMD),skTE_6090)$ \sim M_6427 = sign((kdf(cellidSource_6084,kdf(cellidSource_6084, keyAKA_6085)),hndCMDACK),skSE_6091) ~M_6427 = sign((kdf(cellidSource_6084,kdf(ce \sim M_6456 = okHandover ~M_6356 {60}event startTransfer((kdf(cellidSource_6084, kdf(cellidSource_6084, keyAKA_6085)),consset(a1_6086, consset(a2_6087, emptyset))))