

SECURITY IN INTERSYSTEM MOBILITY**Abstract**

5 In accordance with the occurrence of a mobility event whereby user equipment moves
from accessing a source network to accessing a target network in a communication system
environment, the user equipment sends a control plane message to the target network
comprising an integrity verification parameter associated with the source network and an
integrity verification parameter associated with the target network. By providing integrity
10 verification parameters for both the source network and the target network in an initial
message sent by the user equipment to the mobility management element of the target
network, the mobility management element of the target network can verify the user
equipment on its own or seek the assistance of the source network.

15 (Fig. 1)