

SECURITY CONTEXT OBTAINING METHOD AND APPARATUS, AND COMMUNICATIONS SYSTEM

ABSTRACT

Embodiments of this application provide a security context obtaining method. After user
5 equipment UE is handed over from a 4G communications system to a 5G communications system,
a first AMF providing an access and mobility management service for the UE in the 5G system
may obtain a security context of the UE from a second AMF in the 5G communications system
according to the method. The method includes: The UE sends a first registration request message
to the first AMF, where the first registration request message carries a second registration request
10 message. The first AMF sends the second registration request message to the second AMF, where
the second registration request message is integrity protected using a native security context
between the UE and the second AMF. After successfully validating integrity of the second
registration request message, the second AMF returns the security context of the UE to the first
AMF. This method can improve a possibility that the first AMF successfully obtains the security
15 context of the UE from the second AMF.

Figure 4