

KEY IDENTIFIER GENERATION METHOD AND RELATED APPARATUS

ABSTRACT

Embodiments of this application disclose a key identifier generation method and a related
5 apparatus. The method includes: An authentication management function AUSF receives an
authentication request message from an access and mobility management function AMF, where
the authentication request message carries a subscription concealed identifier SUCI. The AUSF
sends an authentication vector get request message to a unified data management UDM function,
where the authentication vector get request message carries the SUCI. The AUSF receives an
10 authentication vector get response message from the UDM, where the authentication vector get
response message includes authentication and key management for application AKMA indication
information. The AUSF generates, based on the AKMA indication information, an authentication
and key management for application-key identifier based on a routing indicator RID in the SUCI.
The AUSF stores the RID. In an authentication and key management for application AKMA
15 procedure, the AUSF stores the RID, to ensure that the AUSF can generate, when the
authentication vector get request message received by the AUSF carries a SUPI, a new A-KID by
using a parameter related to the RID, thereby ensuring that the AKMA procedure is successfully
performed.

Fig. 4

20