SUMMARY

The embodiments of the present disclosure provide an indication information sending method, apparatus and system, a storage medium, and an electronic device to at least solve the problem that interworking across network systems for a user equipment (UE) can not be performed in the related art.

According to a first aspect of the present invention, there is provided an indication information sending method, comprising: sending, by a first access and mobility management function (AMF) in response to the first AMF receiving a request message in which a user equipment (UE) requests to set up a packet data unit (PDU) session, a PDU session setup request to a session management function (SMF), the PDU session setup request carrying first indication information; and sending, by the first AMF in response to the first AMF determining that a status parameter of interworking capability with a target network system of the PDU session changes, a PDU session modification request to the SMF, the PDU session modification request carrying the first indication information, wherein the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

As disclosed, there is provided an indication information sending method, comprising: sending, by a first access and mobility management function (AMF), second indication information to a unified data management (UDM), wherein the second indication information is used for indicating that the UDM stores data network name (DNN) interworking information, and the DNN interworking information comprises: DNN information, a session management function (SMF) address, and a packet data unit (PDU) gateway (PGW) address.

According to a second aspect of the present invention, there is provided an electronic apparatus, comprising a memory and a processor, wherein the memory is configured to store a computer program, and the processor is configured to execute the computer program to perform the steps comprising: sending, by a first access and mobility management function (AMF) in response to the first AMF receiving a request message in which a user equipment (UE) requests to set up a packet data unit (PDU) session, a PDU session setup request to a session management function (SMF), the PDU session setup request carrying first indication information; and sending, by the first AMF in response to the first AMF determining that a status parameter of

interworking capability with a target network system of the PDU session changes, a PDU session modification request to the SMF, the PDU session modification request carrying the first indication information, wherein the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

According to an aspect of the embodiments of the present disclosure, an indication information sending method is provided. The indication information sending method includes: sending, by a first AMF, first indication information to a first target network element, where the first indication information is used for indicating whether a PDU session is capable of interworking with a target network system.

Optionally, the step in which the first AMF sends the first indication information to the first target network element includes: in response to the first AMF receiving a request message in which a UE requests to set up a PDU session, sending, by the first AMF, a PDU session setup request to an SMF, where the PDU session setup request carries the first indication information, and the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

Optionally, the step in which the first AMF sends the first indication information to the first target network element includes: in response to the first AMF determining that status parameter of the PDU session changes, sending, by the first AMF, a PDU session modification request to an SMF, where the PDU session modification request carries the first indication information, and the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

Optionally, the step in which the first AMF sends the first indication information to the first target network element includes: in response to a inter-AMF mobility event in which a UE is transferred from the first AMF to a second AMF occurring, sending, by the first AMF, the first indication information to the second AMF, where the first indication information is used for indicating whether the PDU session of the UE under the first AMF is capable of interworking with the target network system.

Optionally, the step in which the first AMF sends the indication information to the second AMF includes: sending, by the first AMF, a UE context message to the second AMF, where the UE

What is claimed is:

1. An indication information sending method, comprising:

sending, by a first access and mobility management function (AMF) in response to the first AMF receiving a request message in which a user equipment (UE) requests to set up a packet data unit (PDU) session, a PDU session setup request to a session management function (SMF), the PDU session setup request carrying first indication information; and

sending, by the first AMF in response to the first AMF determining that a status parameter of interworking capability with a target network system of the PDU session changes, a PDU session modification request to the SMF, the PDU session modification request carrying the first indication information, wherein the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

2. The method of claim 1, further comprising:

sending, by the first AMF in response to occurrence of an inter-AMF mobility event in which the UE is transferred from the first AMF to a second AMF, the first indication information to the second AMF, wherein the first indication information is used for indicating to the second AMF whether the PDU session of the UE under the first AMF is capable of interworking with the target network system.

3. The method of claim 2, wherein sending, by the first AMF, the first indication information to the second AMF comprises:

sending, by the first AMF, a UE context message to the second AMF, wherein the UE context message carries the first indication information.

4. The method of claim 2, wherein the inter-AMF mobility event comprises at least one of:

a connected state handover process or an idle state mobility process.

5. The method of claim 1, further comprising:

sending, by the SMF in response to occurrence of an inter-AMF mobility event in which the UE is transferred from the first AMF to a second AMF, a message to the second AMF, wherein the message is used for indicating whether the PDU session under the SMF is capable of interworking with the target network system.

6. The method of claim 1, wherein the target network system comprises a fourth generation (4G) network system.

7. An electronic apparatus, comprising a memory and a processor, wherein the memory is configured to store a computer program, and the processor is configured to execute the computer program to perform the steps comprising:

sending, by a first access and mobility management function (AMF) in response to the first AMF receiving a request message in which a user equipment (UE) requests to set up a packet data unit (PDU) session, a PDU session setup request to a session management function (SMF), the PDU session setup request carrying first indication information; and

sending, by the first AMF in response to the first AMF determining that a status parameter of interworking capability with a target network system of the PDU session changes, a PDU session modification request to the SMF, the PDU session modification request carrying the first indication information, wherein the first indication information is used for indicating whether the PDU session is capable of interworking with the target network system.

8. The electronic apparatus of claim 7, wherein the steps the processor is configured to perform further comprises:

sending, by the first AMF in response to occurrence of an inter-AMF mobility event in which the UE is transferred from the first AMF to a second AMF, the first indication information to the second AMF, wherein the first indication information is used for indicating to the second AMF whether the PDU session of the UE under the first AMF is capable of interworking with the target network system.

9. The electronic apparatus of claim 7, wherein the steps the processor is configured to perform further comprises:

sending, by the SMF in response to occurrence of an inter-AMF mobility event in which the UE is transferred from the first AMF to a second AMF, a message to the second AMF, wherein the message is used for indicating whether the PDU session under the SMF is capable of interworking with the target network system.

10. The electronic apparatus of claim 7, wherein the target network system comprises a fourth generation (4G) network system.

11. A storage medium storing a computer program, which is configured to, when executed, perform the method of claim 1.