CLAIMS

What is claimed is:

1. A communication method, comprising:

obtaining, by a terminal device, association information between first traffic description information and second traffic description information;

determining, by the terminal device, the first traffic description information and the second traffic description information for an application; and

sending, by the terminal device, a first request message and a second request message, wherein the first request message is used to request to establish a first session corresponding to the first traffic description information, the second request message is used to request to establish a second session corresponding to the second traffic description information,

the first request message and the second request message comprise same session pair information, and the session pair information comprised in the first request message and the second request message indicates that the first session and the second session are mutually redundant sessions.

2. The method according to claim 1, further comprising:

determining, by the terminal device based on the association information, that the first traffic description information is associated with the second traffic description information.

3. The method according to claim 1 or 2, wherein the obtaining, by a terminal device, association information between first traffic description information and second traffic description information comprises:

obtaining, by the terminal device, the association information between the first traffic description information and the second traffic description information from a route selection policy.

4. The method according to claim 3, wherein the route selection policy comprises a first rule corresponding to the first traffic description information and a second rule corresponding to the second traffic description information, the first rule comprises first information indicating that the first traffic description information is associated with the second traffic description information, and the second rule comprises second information indicating that the second traffic description information is associated with the first traffic description information.

5. The method according to claim 4, wherein the first information and the second information

correspond to same first indication information, and the first indication information indicates that the first traffic description information is associated with the second traffic description information.

6. The method according to claim 5, wherein the first indication information is the session pair information.

7. The method according to any one of claims 3 to 6, further comprising:

obtaining, by the terminal device, a locally configured route selection policy.

8. The method according to any one of claims 3 to 6, further comprising:

receiving, by the terminal device, a route selection policy from a policy control function device.

9. The method according to any one of claims 1 to 8, wherein the redundant session is used to provide a communication service for a same service, and corresponds to two mutually redundant communication links, and the two mutually redundant communication links comprise: a first communication link passing through a terminal, a first access network device, and a first user plane function network element, and a second communication link passing through the terminal, a second access network device, and a second user plane function network element.

10. A communication method, comprising:

learning of, by a policy control function device, association information between first traffic description information and second traffic description information;

generating, by the policy control function device, a route selection policy based on the association information; and

sending, by the policy control function device, the route selection policy to a terminal device, wherein the route selection policy is used to determine an association between a first session corresponding to the first traffic description information and a second session corresponding to the second traffic description information.

11. The method according to claim 10, wherein the route selection policy comprises a first rule corresponding to the first traffic description information and a second rule corresponding to the second traffic description information, the first rule comprises first information indicating that the first traffic description information is associated with the second traffic description information, and the second rule comprises second information indicating that the second traffic description information is associated with the first traffic description information.

12. The method according to claim 11, wherein the first information and the second

information correspond to same first indication information, and the first indication information indicates that the first traffic description information is associated with the second traffic description information; or

the first information comprises information about the second rule, and the second information comprises information about the first rule.

13. A communication method, comprising:

receiving, by a terminal device, first association information from a session management function device in a procedure of establishing a first session, wherein the first association information indicates that the first session is associated with a second session;

initiating, by the terminal device, a procedure of modifying the second session; and

sending, by the terminal device, second association information to the session management function device in the procedure of modifying the second session, wherein the second association information indicates that the first session is associated with the second session.

14. The method according to claim 13, wherein the second association information comprises an identifier of the first session.

15. A communication method, comprising:

configuring, by a data management function device, association information between first route description information and second route description information;

receiving, by the data management function device, the first route description information corresponding to a first session from a session management function device, wherein the data management function device stores a second session and the second route description information corresponding to the second session; and

sending, by the data management function device, an identifier of the second session to the session management function device based on the configured association information and the first route description information.

16. The method according to claim 15, wherein the sending, by the data management function device, an identifier of the second session to the session management function device based on the configured association information and the first route description information comprises:

determining, by the data management function, an association between the first route description information and the second route description information based on the configured association information and the first route description information;

determining, by the data management function, the identifier of the second session corresponding to the second route description information; and

sending, by the data management function, the identifier of the second session to the session management function device.

17. The method according to claim 15 or 16, wherein the sending, by the data management function, the identifier of the second session to the session management function device comprises:

sending, by the data management function, association information to the session management function device, wherein the association information comprises an identifier of the first session and the identifier of the second session.

18. A communication method, comprising:

sending, by a session management function device, first route description information corresponding to a first session to a data management function device;

receiving, by the session management function device, an identifier of a second session from the data management function device; and

sending, by the session management function device, association information to an access network device or a terminal device, wherein the association information indicates that the first session is associated with the second session.

19. The method according to claim 18, wherein the receiving, by the session management function device, an identifier of a second session from the data management function device comprises:

receiving, by the session management function device, association information from the data management function device, wherein the association information comprises an identifier of the first session and the identifier of the second session.

20. A communication apparatus, comprising a processor, wherein

the processor is configured to read a program from a memory and run the program, to implement the method according to any one of claims 1 to 9, or implement the method according to claim 13 or 14.

21. A communication apparatus, comprising a processor, wherein

the processor is configured to read a program from a memory and run the program, to implement the method according to any one of claims 10 to 12.

22. A communication apparatus, comprising a processor, wherein

the processor is configured to read a program from a memory and run the program, to implement the method according to any one of claims 15 to 17.

23. A communication apparatus, comprising a processor, wherein

the processor is configured to read a program from a memory and run the program, to implement the method according to claim 18 or 19.

24. A computer program product comprising instructions, wherein when the computer program product runs on a computer, the computer is enabled to perform the method according to any one of claims 1 to 19.

25. A computer-readable storage medium, wherein the computer-readable storage medium stores instructions, and when the instructions are run on a computer, a processor is enabled to perform the method according to any one of claims 1 to 19.

26. A communication system, comprising:

a data management function device, configured to perform the method according to any one of claims 15 to 17; and

a session management function device, configured to perform the method according to claim 18 or 19.