

[0021] In an implementation, the 5G system or 5G network may also be referred to as an NR system or NR network.

[0022] FIG. 2 illustrates a network device and two terminal devices. In an implementation, the communication system 100 may include multiple network devices, and in the coverage area of each network device, there may be one or more terminal devices, which is not limited in the implementation of the present disclosure.

[0023] In an implementation, the communication system 100 may further include a network controller, a mobility management entity (MME), or other network entities, which is not limited in the implementation of the present disclosure.

[0024] It is to be understood that in the implementation of the present disclosure in a network/system, a device with a communication function can be called a communication device. The communication system 100 illustrated in FIG. 2 is taken as an example. The communication device may include the network device 110 and the terminal device 120 that have a communication function. The network device 110 and the terminal device 120 may be the devices described above, which is not repeated herein. The communication device may further include other devices in the communication system 100, such as the network controller, the MME, or other network entities, which is not limited in the implementation of the present disclosure.

[0025] As illustrated in FIG. 3, in an implementation of the present disclosure, an optional process flow of a method for data processing applied to a terminal device includes the following.

[0026] At block S201, the terminal device determines a data duplication behavior of a first entity according to first information.

[0027] Herein, the data duplication behavior is indicative of that the first entity transmits data to at least one second entity in at least three second entities corresponding to the first entity.

[0028] In some implementations, the terminal device configures at least three second entities for the first entity, and the data duplication behavior is indicative of that the first entity transmits data to which of the at least three second entities corresponding to the first entity.

[0029] In an implementation, the first entity is a PDCP entity, and the second entity is an RLC entity.

[0030] In some implementations, the first information includes at least one of the following:

What is claimed is:

1. A method for data processing, comprising:

determining, by a terminal device, a data duplication behavior of a first entity according to first information, wherein the data duplication behavior is indicative of that the first entity transmits data to at least one second entity in at least three second entities corresponding to the first entity, and the first information comprises information from a media access control (MAC) control element (CE);

wherein determining, by the terminal device, the data duplication behavior of the first entity according to the first information comprises:

determining, by the terminal device, a data duplication behavior of a second set according to the information from the MAC CE, wherein the second set is formed according to the at least three second entities and contains at least one second entity.

2. The method of claim 1, wherein the first information further comprises information from a radio resource control (RRC) layer.

3. The method of claim 2, wherein determining, by the terminal device, the data duplication behavior of the first entity according to the first information comprises:

determining, by the terminal device, a data duplication behavior of a first set according to the information from the RRC layer, wherein the first set is formed according to the at least three second entities and contains at least one second entity.

4. The method of any of claims 1 to 3, wherein the first information further comprises relevant information of the terminal device, wherein the relevant information is measured by the terminal device;

determining, by the terminal device, the data duplication behavior of the first entity according to the first information comprises:

determining, by the terminal device, a data duplication behavior of a third set according to the relevant information of the terminal device, wherein the third set is formed according to the at least three second entities and contains at least one second entity.

5. The method of claim 4, wherein the first set and the second set contain a same second entity, and/or the second set and the third set contain a same second entity, and/or the first set and the third set contain a same second entity.

6. The method of claim 4, wherein the first set and the second set do not contain a same second entity, and/or the second set and the third set do not contain a same second entity, and/or the first set and the third set do not contain a same second entity.

7. The method of claim 4, further comprising:

determining, by the terminal device, a data duplication behavior of a same second entity in two sets according to the first information, when the first set and the second set contain a same second entity, and/or the second set and the third set contain a same second entity, and/or the first set and the third set contain a same second entity.

8. The method of any of claims 1 to 7, wherein the information from the MAC CE comprises information from a MAC CE in a master node and/or information from a MAC CE in a secondary node.

9. The method of claim 8, wherein

the information from the MAC CE in the master node is 1-bit information, 2-bit information, 3-bit information, or 4-bit information; and

the information from the MAC CE in the secondary node is 1-bit information, 2-bit information, 3-bit information, or 4-bit information.

10. The method of claim 8 or 9, wherein the information from the MAC CE is configured to control the data duplication behavior of at least one second entity in the second set.

11. The method of any of claims 8 to 10, wherein

the information from the MAC CE in the master node is configured to control a first sub-set in the second set; and

the information from the MAC CE in the secondary node is configured to control a second

sub-set in the second set.

12. The method of claim 11, wherein the first sub-set and the second sub-set contain a same second entity.

13. The method of claim 11, wherein the first sub-set contains a second entity that is not contained in the second sub-set, or the second sub-set contains a second entity that is not contained in the first sub-set.

14. The method of claim 11, wherein the first sub-set and the second sub-set do not contain a same second entity.

15. The method of any of claims 11-14, wherein the first set, the second set, the third set, the first sub-set, and the second sub-set are determined according to RRC signals.

16. The method of any of claims 11-15, wherein the first set, the second set, the third set, the first sub-set, and the second sub-set are determined according to a third entity to which the second entity belongs, wherein the third entity is a MAC entity.

17. The method of any of claims 1 to 16, wherein the first entity is a packet data convergence protocol (PDCP) entity, and the second entity is a radio link control (RLC) entity.

18. A terminal device, comprising:

a processing unit configured to perform the method of any of claims 1 to 17.

19. A terminal device comprising:

a processor; and

a memory configured to store at least one computer program capable of being run in the processor;

the processor being configured to run the at least one computer program to execute the method for data processing of any of claims 1 to 17.

20. A storage medium storing at least one executable program, the at least one executable program being executed by a processor to implement the method for data processing of any of claims 1 to 17.