

CLAIMS

1. A method for data transmission, comprising:

transmitting status information to a network device, wherein the status information indicates that a terminal device is to perform a target service and the target service comprises at least one of a data duplication service or a short Transmission Time Interval (sTTI)-based transmission service.

2. The method of claim 1, wherein the status information comprises at least one of: identification information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, priority information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, or destination address information for the at least one of the data duplication service or the sTTI-based transmission service.

3. The method of claim 1 or 2, further comprising:

associating, according to priority information of multiple logical channels and a correspondence between a logical channel group and the priority information, part or all of the multiple logical channels with the logical channel group, wherein the logical channel group is a logical channel group for the target service.

4. The method of claim 3, further comprising:

before associating part or all of the multiple logical channels with the logical channel group according to the priority information of the multiple logical channels and the correspondence between the logical channel group and the priority information, receiving second information transmitted by the network device, wherein the second information indicates the correspondence between the logical channel group and the priority information.

5. The method of claim 3 or 4, wherein associating part or all of the multiple logical channels with the logical channel group according to the priority information of the multiple logical channels and the correspondence between the logical channel group and the priority information comprises:

associating, according to the priority information of each of the multiple logical channels and the correspondence between the logical channel group and the priority information, at least one of the multiple logical channels with the logical channel group.

6. The method of any one of claims 3-5, further comprising:

after associating part or all of the multiple logical channels with the logical channel group, transmitting a buffer status report to the network device, wherein the buffer status report carries at least one of: identification information of the logical channel group or destination address index information, wherein the destination address index information indicates destination address information for the target service.

7. The method of claim 1 or 2, further comprising: when the status information comprises identification information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service,

receiving third information transmitted by the network device, wherein the third information indicates a correspondence between the logical channel corresponding to the identification information and a logical channel group, wherein the logical channel group is a logical channel group for the target service; and

associating, according to the third information, the logical channel corresponding to the identification information with the logical channel group.

8. The method of claim 7, further comprising:

after associating the logical channel corresponding to the identification information with the logical channel group, transmitting a buffer status report to the network device, wherein the buffer status report carries at least one of: identification information of the logical channel group or destination address index information, wherein the destination address index information indicates destination address information for the target service.

9. A terminal device, comprising:

a transmission unit, configured to transmit status information to a network

device, wherein the status information indicates that the terminal device is to perform a target service and the target service comprises at least one of a data duplication service or a short Transmission Time Interval (sTTI)-based transmission service.

10. The terminal device of claim 9, wherein the status information comprises at least one of: identification information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, priority information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, or destination address information for the at least one of the data duplication service or the sTTI-based transmission service.

11. The terminal device of claim 9 or 10, further comprising:

a processing unit, configured to associate, according to priority information of multiple logical channels and a correspondence between a logical channel group and the priority information, part or all of the multiple logical channels with the logical channel group, wherein the logical channel group is a logical channel group for the target service.

12. The terminal device of claim 11, further comprising a receiving unit, wherein

before the processing unit associates part or all of the multiple logical channels with the logical channel group according to the priority information of the multiple logical channels and the correspondence between the logical channel group and the priority information,

the receiving unit is configured to receive second information transmitted by the network device, wherein the second information indicates the correspondence between the logical channel group and the priority information.

13. The terminal device of claim 11 or 12, wherein the processing unit is configured to associate, according to the priority information of each of the multiple logical channels and the correspondence between the logical channel group and the priority information, at least one of the multiple logical channels with the logical channel group.

14. The terminal device of any one of claims 11-13, wherein after the processing unit associates part or all of the multiple logical channels with the logical channel group, the transmission unit is further configured to transmit a buffer status report to the network device, wherein the buffer status report carries at least one of: identification information of the logical channel group or destination address index information, wherein the destination address index information indicates destination address information for the target service.

15. The terminal device of claim 9 or 10, further comprising a receiving unit and a processing unit, wherein

when the status information comprises identification information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service,

the receiving unit is configured to receive third information transmitted by the network device, wherein the third information indicates a correspondence between the logical channel corresponding to the identification information and a logical channel group, wherein the logical channel group is a logical channel group for the target service; and

the processing unit is configured to associate, according to the third information, the logical channel corresponding to the identification information with the logical channel group.

16. The terminal device of claim 15, wherein after the processing unit associates the logical channel corresponding to the identification information with the logical channel group, the transmission unit is further configured to transmit a buffer status report to the network device, wherein the buffer status report carries at least one of: identification information of the logical channel group or destination address index information, wherein the destination address index information indicates destination address information for the target service.

17. The terminal device of any one of claims 9-16, wherein the terminal device is applied to a vehicle networking system.

18. A terminal device, comprising:

a receiving unit, configured to receive configuration information transmitted by a network device, wherein the configuration information indicates a logical channel or a logical channel group for a target service, the target service comprises at least one of a data duplication service or a short Transmission Time Interval (sTTI)-based transmission service and the logical channel group comprises at least one logical channel; and

a processing unit, configured to perform the target service according to the configuration information.

19. The terminal device of claim 18, further comprising a transmission unit, wherein

before the receiving unit receives the configuration information transmitted by the network device,

the transmission unit is configured to transmit status information to the network device, wherein the status information comprises at least one of: identification information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, priority information of a logical channel for the at least one of the data duplication service or the sTTI-based transmission service, or destination address information for the at least one of the data duplication service or the sTTI-based transmission service.

20. The terminal device of claim 18 or 19, wherein when the configuration information indicates logical channels for the target service at a granularity of a logical channel group, the processing unit is configured to:

perform the target service on all logical channels in the logical channel group according to the configuration information.