CLAIMS

1. A method for transmitting data, comprising:

determining uplink data to be transmitted;

acquiring, according to a service attribute of the uplink data, a numerology used to send the uplink data; and

sending the uplink data to a network device according to the numerology.

2. The method of claim 1, wherein acquiring, according to the service attribute of the uplink data, the numerology used to send the uplink data comprises:

determining the numerology according to the service attribute and configured correspondences between service attributes and numerologies.

3. The method of claim 1, wherein acquiring, according to the service attribute of the uplink data, the numerology used to send the uplink data comprises:

sending to the network device identification information used to identify the service attribute; and

receiving the numerology sent by the network device, the numerology being determined according to the identification information.

4. The method of any one of claims 1-3, wherein the service attribute comprises at least one of: a logical channel used to send the uplink data, a bearer used to send the uplink data, a data stream used to send the uplink data, a data volume of the uplink data, or a quality of service level of the uplink data.

5. The method of claim 2, further comprising:

sending auxiliary information of the numerology to the network device, the auxiliary information of the numerology being information used for the network device to acquire the numerology.

6. The method of claim 2, further comprising:

responsive to it is determined that auxiliary information of the numerology is the same as auxiliary information of a stored numerology, not sending the auxiliary

information of the numerology to the network device, the auxiliary information of the numerology being information used for the network device to acquire the numerology.

7. The method of claim 2, further comprising:

receiving the configured correspondences between the service attributes and the numerologies from the network device.

8. A terminal device for transmitting data, comprising:

a determination unit, configured to determine uplink data to be transmitted;

an acquisition unit, configured to acquire, according to a service attribute of the uplink data, a numerology used to send the uplink data; and

a sending unit, configured to send the uplink data to a network device according to the numerology.

9. The terminal device of claim 8, wherein the acquisition unit is specifically configured to:

determine the numerology according to the service attribute and preconfigured correspondences between service attributes and numerologies.

10. The terminal device of claim 8, wherein the acquisition unit is specifically configured to:

send to the network device identification information used to identify the service attribute; and

receive the numerology sent by the network device, the numerology being determined according to the identification information.

11. The terminal device of any one of claims 8-10, wherein the service attribute comprises at least one of: a logical channel used to send the uplink data, a bearer used to send the uplink data, a data stream used to send the uplink data, a data volume of the uplink data, or a quality of service level of the uplink data.

12. The terminal device of claim 9, wherein the sending unit is specifically configured to:

send auxiliary information of the numerology to the network device, the auxiliary information being information used for the network device to acquire the numerology.

13. The terminal device of claim 9, wherein the determination unit is further configured to:

responsive to it is determined that auxiliary information of the numerology is the same as auxiliary information of a stored numerology, not send the auxiliary information of the numerology to the network device, the auxiliary information of the numerology being information used for the network device to acquire the numerology.

14. The terminal device of claim 13, wherein the auxiliary information of the stored numerology comprises auxiliary information of a numerology for previous uplink data, auxiliary information of a preconfigured numerology or auxiliary information of a default numerology.

15. The terminal device of any one of claims 12-14, wherein the auxiliary information comprises at least one of: an identifier of the numerology used to send the uplink data or next uplink data, an identifier of a logical channel, an identifier of a bearer, an identifier of a data volume, or an identifier of a quality of service level.

16. The terminal device of claim 12, wherein the sending unit is specifically configured to:

send the auxiliary information to the network device through a Media Access Control (MAC) Protocol Data Unit (PDU) or high-layer signaling; and

the terminal device is further configured to receive, from the network device, an uplink grant used to schedule the uplink data.

17. The terminal device of claim 12, wherein the sending unit is specifically configured to:

send the auxiliary information to the network device through an uplink physical channel; and

send the uplink data to the network device through the uplink physical channel

according to the numerology.

18. The terminal device of claim 9, further comprising:

a receiving unit, configured to receive the preconfigured correspondences between the service attributes and the numerologies from the network device.

19. A network device for transmitting data, comprising:

a determination unit, configured to determine a numerology used to receive uplink data to be transmitted, according to whether auxiliary information of the numerology is received from a terminal device, the auxiliary information being information used for a network device to acquire the numerology; and

a receiving unit, configured to receive the uplink data according to the numerology.

20. The network device of claim 19, wherein the determination unit is specifically configured to:

when the auxiliary information sent by the terminal device is received, determine the numerology according to the auxiliary information; or

when no the auxiliary information sent by the terminal device is received, determine a stored numerology as the numerology.