CLAIMS:

1. A data transmission method, characterized in comprising:

determining, by a terminal device according to a type of a basic parameter set supported by the terminal device, a type of scheduling request information;

sending, by the terminal device, the scheduling request information to a network device, the type of the scheduling request information being indicative of the type of the basic parameter set supported by the terminal device;

receiving, by the terminal device, uplink resource grant information from the network device, the uplink resource grant information indicating target uplink resource allocated for the terminal device, and being determined according to the scheduling request information; and

performing, by the terminal device, data transmission using the target uplink resource according to the uplink resource grant information.

2. The method according to claim 1, wherein the terminal device is configured with a plurality of types of scheduling request information.

3. The method according to claim 1, wherein the determining the type of the scheduling request information comprises:

determining, by the terminal device, a number of bits of the scheduling request information according to the type of the basic parameter set supported by the terminal device.

4. The method according to any one of claims 1 to 3, wherein the uplink resource grant information comprises dynamic priority indication information, the dynamic priority indication information is used to indicate priority information of at least one logical channel, the at least one logical channel is used to carry data of different service types, respectively; and

the performing, by the terminal device, data transmission using the target uplink

resource according to the uplink resource grant information comprises:

transmitting, by the terminal device using the target uplink resource, data carried on a logical channel according to the priority information of the at least one logical channel.

5. The method according to claim 4, wherein the priority information of the at least one logical channel is dynamically set.

6. A data transmission method, characterized in comprising:

receiving, by a network device, scheduling request information from a terminal device, and determining, by the network device according to a type of scheduling request information, a type of a basic parameter set supported by the terminal device, the type of the scheduling request information being indicative of the type of the basic parameter set supported by the terminal device; and

sending, by the network device, uplink resource grant information to the terminal device, the uplink resource grant information indicating target uplink resource allocated for the terminal device, being determined according to the scheduling request information, and causing the terminal device to perform data transmission using the target uplink resource according to the uplink resource grant information.

7. The method according to claim 6, further comprising:

configuring, by the network device, the terminal device with a plurality of types of scheduling request information.

8. The method according to claim 7, wherein the determining, by the network device, the type of the basic parameter set supported by the terminal device according to the type of the scheduling request information comprises:

determining, by the network device, the type of basic parameters supported by the terminal device according to a number of bits of the scheduling request information.

9. The method according to any one of claims 6 to 8, wherein the uplink resource grant

information comprises dynamic priority indication information, the dynamic priority indication information is used to indicate priority information of at least one logical channel, and the at least one logical channel is used to carry data of different service types, respectively.

10. The method according to claim 9, wherein the priority information of the at least one logical channel is dynamically set.

11. A terminal device, configured to perform the data transmission method according to any one of claims 1-5.

12. A network device, configured to perform the data transmission method according to any one of claims 6-10.

13. A software product, being stored in a storage medium and including instructions used to cause a computer device to perform the data transmission method according to any one of claims 1-10.