

CLAIMS

1. A method for transmitting data, comprising:

receiving, by a terminal device, a plurality of granted uplink resources, wherein different granted uplink resources correspond to different numerologies, the terminal
5 device has a plurality of logical channels, and each of the logical channels corresponds to at least one numerology; and

allocating, by the terminal device, the plurality of granted uplink resources to the plurality of logical channels according to priorities of the plurality of logical channels and a priority of the at least one numerology corresponding to each of the logical
10 channels;

wherein the plurality of logical channels comprise a first logical channel and a second logical channel, the first logical channel corresponds to a plurality of numerologies, and the allocating, by the terminal device, the plurality of granted uplink resources to the plurality of logical channels according to priorities of the plurality of
15 logical channels and a priority of the at least one numerology corresponding to each of the logical channels comprises:

allocating, with precedence over the second logical channel, a granted uplink resource to the first logical channel according to the plurality of numerologies corresponding to the first logical channel if a priority of the first logical channel is
20 higher than a priority of the second logical channel;

wherein the allocating a granted uplink resource to the first logical channel according to the plurality of numerologies corresponding to the first logical channel comprises:

allocating the granted uplink resource to the first logical channel according to a
25 priority order of the plurality of numerologies corresponding to the first logical channel.

2. The method according to claim 1, wherein the plurality of numerologies comprise a first numerology and a second numerology, and the allocating the granted uplink resource to the first logical channel according to a priority order of the plurality

of numerologies corresponding to the first logical channel comprises:

allocating, by the terminal device, a granted uplink resource corresponding to the first numerology which takes precedence from the plurality of granted uplink resources, to the first logical channel if a priority of the first numerology is higher than a priority of the second numerology.

3. The method according to claim 2, wherein the allocating the granted uplink resource to the first logical channel according to a priority order of the plurality of numerologies corresponding to the first logical channel further comprises:

allocating, by the terminal device, a remaining granted uplink resource of the first logical channel from a granted uplink resource corresponding to the second numerology if the granted uplink resource corresponding to the first numerology in the plurality of granted uplink resources cannot meet a priority bit rate (PBR) of the first logical channel.

4. The method according to any one of claims 1 to 3, wherein each of the logical channels corresponds to a set of logical channel priority parameters, and the set of logical channel priority parameters comprises: a PBR, a Bucket Size Duration (BSD) and a priority.

5. A device for transmitting data, comprising:

a communication module, configured to receive a plurality of granted uplink resources, wherein different granted uplink resources correspond to different numerologies, a terminal device has a plurality of logical channels, and each of the logical channels corresponds to at least one numerology; and

an allocating module, configured to allocate the plurality of granted uplink resources to the plurality of logical channels according to priorities of the plurality of logical channels and a priority of the at least one numerology corresponding to each of the logical channels;

wherein the plurality of logical channels comprise a first logical channel and a second logical channel, the first logical channel corresponds to a plurality of numerologies, and the allocating module is specifically configured to:

allocate, with precedence over the second logical channel, a granted uplink resource to the first logical channel according to the plurality of numerologies

corresponding to the first logical channel if a priority of the first logical channel is higher than a priority of the second logical channel;

wherein the granted uplink resource is allocated to the first logical channel according to a priority order of the plurality of numerologies corresponding to the first
5 logical channel.

6. The device according to claim 5, wherein the plurality of numerologies comprise a first numerology and a second numerology, and the allocating module is specifically configured to:

allocate, to the first logical channel, a granted uplink resource corresponding to
10 the first numerology which takes precedence from the plurality of granted uplink resources if a priority of the first numerology is higher than a priority of the second numerology.

7. The device according to claim 6, wherein the allocating module is specifically configured to:

15 allocate a remaining granted uplink resource of the first logical channel from a granted uplink resource corresponding to the second numerology if the granted uplink resource corresponding to the first numerology in the plurality of granted uplink resources cannot meet a priority bit rate (PBR) of the first logical channel.

8. The device according to any one of claims 5 to 7, wherein each of the logical
20 channels corresponds to a set of logical channel priority parameters, and the set of logical channel priority parameters comprises: a PBR, a Bucket Size Duration (BSD) and a priority.

9. A computer readable storage medium, wherein the computer readable storage medium stores one or more programs, the one or more programs comprises instructions
25 which, when executed by a portable electronic device comprising a plurality of applications, cause the portable electronic device to perform the method according to any one of claims 1 to 4.