CLAIMS

What is claimed is:

1. A communication method, comprising:

determining, by a terminal device according to a first logical channel with to-be-transmitted data and an available uplink resource of the terminal device, whether to trigger a scheduling request (SR).

2. The communication method according to claim 1, wherein the uplink resource comprises a dynamically scheduled uplink resource and/or a semi-statically configured uplink resource.

3. The communication method according to claim 1 or 2, wherein when the terminal device determines whether to trigger the SR, a regular buffer status report (BSR) has been triggered by the first logical channel, and at least one triggered regular BSR is in a pending state.

4. The communication method according to any one of claims 1 to 3, wherein the determining, by a terminal device according to a first logical channel with to-be-transmitted data and an available uplink resource of the terminal device, whether to trigger a scheduling request (SR) comprises:

determining, by the terminal device according to whether a logical channel parameter configured for the first logical channel meets a logical channel prioritization (LCP) restriction of the available uplink resource, whether to trigger the SR.

5. The communication method according to claim 4, wherein determining, by the terminal device according to whether a logical channel parameter configured for the first logical channel meets a logical channel prioritization (LCP) restriction of the available uplink resource, whether to trigger the SR, comprises:

determining, by the terminal device according to whether the logical channel parameter configured for the first logical channel matches a parameter of the available uplink resource, whether to trigger the SR.

6. The communication method according to claim 4, wherein the first logical

channel comprises a plurality of logical channels, and the determining, by the terminal device according to whether a logical channel parameter configured for the first logical channel meets a logical channel prioritization (LCP) restriction of the available uplink resource, whether to trigger the SR comprises:

determining not to trigger the SR if the logical channel parameter configured for each logical channel in the first logical channel meets the LCP restriction of the available uplink resource; or

determining to trigger the SR if the logical channel parameter configured for at least one logical channel in the first logical channel does not meet the LCP restriction of the available uplink resource.

7. The communication method according to any one of claims 4 to 6, wherein the logical channel parameter is at least one parameter configured for the first logical channel by a network device, and the at least one parameter is used for determining whether the to-be-transmitted data on the first logical channel can be transmitted on the available uplink resource.

8. The communication method according to claim 7, wherein the logical channel parameter configured for the first logical channel comprises at least one of the following:

a first parameter used for indicating whether the to-be-transmitted data is allowed to be transmitted on a first configured uplink grant, a second parameter used for indicating whether the to-be-transmitted data is allowed to be transmitted on a second configured uplink grant, maximum physical uplink shared channel (PUSCH) transmission duration supported, an available subcarrier spacing, and an available carrier.

9. The communication method according to any one of claims 4 to 8, wherein the LCP restriction of the uplink resource is used for indicating at least one of the following:

whether the to-be-transmitted data is allowed to be transmitted on the first configured uplink grant, whether the to-be-transmitted data is allowed to be transmitted on the second configured uplink grant, and whether the to-be-transmitted data is

allowed to be transmitted on the dynamically scheduled uplink resource.

10. The communication method according to claim 8 or 9, wherein the first configured uplink grant is a granted resource configured by means of semi-static configuration, and the second configured uplink grant is a granted resource configured by means of semi-static configuration and dynamic triggering.

11. A terminal device, comprising:

a determining module, configured to determine, according to a first logical channel with to-be-transmitted data and an available uplink resource of the terminal device, whether to trigger a scheduling request (SR).

12. The terminal device according to claim 11, wherein the uplink resource comprises a dynamically scheduled uplink resource and/or a semi-statically configured uplink resource.

13. The terminal device according to claim 11 or 12, wherein when the terminal device determines whether to trigger the SR, a regular buffer status report (BSR) has been triggered by the first logical channel, and there is at least one triggered regular BSR is in a pending state.

14. The terminal device according to any one of claims 11 to 13, wherein the determining module is further configured to:

determine, according to whether a logical channel parameter configured for the first logical channel meets a logical channel prioritization (LCP) restriction of the available uplink resource, whether to trigger the SR.

15. The terminal device according to claim 14, wherein the determining module is configured to:

determine, according to whether the logical channel parameter configured for the first logical channel matches a parameter of the available uplink resource, whether to trigger the SR.