

CLAIMS

What is claimed is:

1. A data processing method, comprising:

determining, by a terminal device, a relation of size between an amount of data to be sent of a first split bearer of the terminal device and a preset threshold of the first split bearer, wherein the amount of the data to be sent comprises total amount of data volume in a packet data convergence protocol PDCP layer of the first split bearer and data volume in a first radio link control RLC layer and a second RLC layer, that are configured by a network side for transmitting data by default, of the first split bearer; and

determining, by the terminal device among two or more cell groups corresponding to the first split bearer, a target cell group used to process the data to be sent, according to the relation of size.

2. The method according to claim 1, wherein the determining, by the terminal device among two or more cell groups corresponding to the first split bearer, a target cell group used to process the data to be sent, according to the relation of size comprises:

determining, by the terminal device, a cell group corresponding to the first RLC layer or the second RLC layer as the target cell group if the amount of the data to be sent is less than the threshold.

3. The method according to claim 1, wherein the determining, by the terminal device among two or more cell groups corresponding to the first split bearer, a target cell group used to process the data to be sent, according to the relation of size comprises:

determining, by the terminal device, at least two cell groups corresponding to at least two RLC layers of the first split bearer as target cell groups if the amount of the data to be sent is greater than or equal to the threshold.

4. The method according to claim 3, wherein the at least two RLC layers comprise the first RLC layer and the second RLC layer.

5. The method according to any one of claims 1 to 4, further comprising:

submitting, by the terminal device, at least part of data in the PDCP layer to the first RLC layer and the second RLC layer of the first split radio bearer corresponding to the target cell group before the terminal device receives an uplink grant used for transmitting the data to be sent.

6. The method according to any one of claims 1 to 5, further comprising:

sending, by the terminal device, the data to be sent to the target cell group on condition that the terminal device receives the uplink grant from the target cell group for transmitting the data to be sent.

7. The method according to any one of claims 1 to 6, wherein the first split bearer comprises two RLC layers, and cell groups corresponding to the two RCL layers comprise a master cell group and a secondary cell group.

8. A terminal device, comprising:

a first determining unit, configured to determine a relation of size between an amount of data to be sent of a first split bearer of the terminal device and a preset threshold of the first split bearer, wherein the amount of the data to be sent comprises total amount of data volume in a packet data convergence protocol PDCP layer of the first split bearer and data volume in a first radio link control RLC layer and a second RLC layer, that are configured by a network side for transmitting data by default, of the first split bearer; and

a second determining unit, configured to determine, among two or more cell groups corresponding to the first split bearer, a target cell group used to process the data to be sent, according to the relation of size.

9. The terminal device according to claim 8, wherein the second determining unit is specifically configured to:

determine a cell group corresponding to the first RLC layer or the second RLC layer as the target cell group if the amount of the data to be sent is less than the threshold.

10. The terminal device according to claim 8, wherein the second determining unit is specifically configured to:

determine at least two cell groups corresponding to at least two RLC layers of the first split bearer as target cell groups if the amount of the data to be sent is greater than or equal to the threshold.

11. The terminal device according to claim 10, wherein the at least two RLC layers comprise the first RLC layer and the second RLC layer.

12. The terminal device according to any one of claims 8 to 11, further comprising:

a first sending unit, configured to send a buffer status report BSR to the target cell group, wherein the BSR is used to indicate the amount of the data to be sent.

13. The terminal device according to any one of claims 8 to 12, further comprising:

a second sending unit, configured to submit, before the terminal device receives an uplink grant used for transmitting the data to be sent, at least part of data in the PDCP layer to the first RLC layer and the second RLC layer of the first split bearer corresponding to the target cell group.

14. The terminal device according to any one of claims 8 to 13, further comprising:

a third sending unit, configured to send the data to be sent to the target cell group on condition that the terminal device receives the uplink grant from the target cell group for transmitting the data to be sent.

15. The terminal device according to any one of claims 8 to 14, wherein the first determining unit is specifically configured to:

determine the relation of size on condition that the terminal device is to send the BSR used for indicating the amount of the data to be sent; or

determine the relation of size on condition that the first RLC layer preprocesses at least part of the data to be sent; or

determine the relation of size on condition that the terminal device receives the uplink grant used for transmitting the data to be sent.