CLAIMS

1. A split bearer control method, applied to a terminal, wherein a target split bearer is configured for the terminal, a data duplication function is configured for the target split bearer, the target split bearer comprises N transmission paths, and N is a positive integer greater than 2; and the method comprises:

receiving split bearer indication signaling sent by a network-side device; and

activating or deactivating the data duplication function in response to the split bearer indication signaling;

wherein the split bearer indication signaling comprises second media access control control element MAC CE signaling that carries first indication information, and the first indication information is used to indicate activation or deactivation of the N transmission paths;

wherein the activating or deactivating the data duplication function in response to the split bearer indication signaling comprises:

after the terminal executes the second MAC CE signaling, if all the N transmission paths are deactivated or only one of the N transmission paths is activated, deactivating the data duplication function,

wherein the second MAC CE signaling comprises a first field used to identify the target split bearer, and a second field used to indicate a status of a transmission path in the target split bearer.

2. The method according to claim 1, wherein after the terminal deactivates the data duplication function, the method further comprises:

determining, based on split bearer thresholds of the target split bearer and association relationships between the split bearer thresholds and transmission paths, a transmission path for transmitting uplink transmission data among the N transmission paths.

3. The split bearer control method according to claim 1, wherein configuration information of the target split bearer is configured in the terminal, the configuration information is sent by the network-side device to the terminal, and the configuration information comprises at least one of the following:

a split bearer identifier;

configuration information of N radio link control RLC entities associated with the split bearer, wherein the N RLC entities belong to different cell groups;

at least one split bearer threshold; or,

association relationships between split bearer thresholds and transmission paths.

4. The split bearer control method according to claim 3, wherein the association

relationships between the split bearer thresholds and transmission paths comprise the following information:

each split bearer threshold corresponds to one or more transmission paths, wherein a quantity of transmission paths corresponding to each split bearer threshold is less than N.

5. The split bearer control method according to claim 1, wherein the second MAC CE signaling comprises a cell group identifier and a logical channel identity.

6. The split bearer control method according to claim 1, wherein the second field is specifically used to indicate the status of a transmission path whose sequence number is i in the target split bearer, where i is an integer greater than or equal to 0 and less than N.

7. The split bearer control method according to claim 6, wherein a value of the second field is "1", the transmission path whose sequence number is i in the target split bearer is in an activated state; or

a value of the second field is "0", the transmission path whose sequence number is i in the target split bearer is in a deactivated state.

8. A split bearer control method, applied to a network-side device and comprising:

sending split bearer indication signaling to a terminal, wherein the split bearer indication signaling is used to instruct the terminal to activate or deactivate a data duplication function in response to the split bearer indication signaling, wherein

a target split bearer is configured for the terminal, the data duplication function is configured for the target split bearer, and the target split bearer comprises N transmission paths, N is a positive integer greater than 2;

wherein the split bearer indication signaling comprises second media access control control element MAC CE signaling that carries first indication information, and the first indication information is used to indicate activation or deactivation of the N transmission paths, wherein after the terminal executes the second MAC CE signaling, if all the N transmission paths are deactivated or only one of the N transmission paths is activated, the terminal deactivates the data duplication function,

wherein the second MAC CE signaling comprises a first field used to identify the target split bearer, and a second field used to indicate a status of a transmission path in the target split bearer.

9. The split bearer control method according to claim 8, wherein configuration information of the target split bearer is configured in the terminal, the configuration information is sent by the network-side device to the terminal, and the configuration information comprises at least one of the following:

a split bearer identifier;

configuration information of N radio link control RLC entities associated with the split bearer, wherein the N RLC entities belong to different cell groups;

at least one split bearer threshold; or,

association relationships between split bearer thresholds and transmission paths.

10. The split bearer control method according to claim 9, wherein the association relationships between the split bearer thresholds and transmission paths comprise the following information:

each split bearer threshold corresponds to one or more transmission paths, wherein a quantity of transmission paths corresponding to each split bearer threshold is less than N.

11. The split bearer control method according to claim 8, wherein the second MAC CE signaling comprises a cell group identifier and a logical channel identity.

12. The split bearer control method according to claim 8, wherein the second field is specifically used to indicate the status of the transmission path whose sequence number is i in the target split bearer, where i is an integer greater than or equal to 0 and less than N.

13. The split bearer control method according to claim 12, wherein the value of the second field is "1", the transmission path whose sequence number is i in the target split bearer is in an activated state; or

the value of the second field is "0", the transmission path whose sequence number is i in the target split bearer is in a deactivated state.

14. A terminal, wherein a target split bearer is configured for the terminal, a data duplication function is configured for the target split bearer, the target split bearer comprises N transmission paths, and N is a positive integer greater than 2; and the terminal comprises:

a receiving module, configured to receive split bearer indication signaling sent by a network-side device; and

a control module, configured to activate or deactivate the data duplication function in response to the split bearer indication signaling;

wherein the split bearer indication signaling comprises second media access control control element MAC CE signaling that carries first indication information, and the first indication information is used to indicate activation or deactivation of the N transmission paths; and

wherein the control module is configured to:

after the terminal executes the second MAC CE signaling, if all the N transmission paths are deactivated or only one of the N transmission paths is activated, deactivate the data

duplication function,

wherein the second MAC CE signaling comprises a first field used to identify the target split bearer, and a second field used to indicate a status of a transmission path in the target split bearer.

15. The terminal according to claim 14, further comprising:

a determining module, configured to determine, based on split bearer thresholds of the target split bearer and association relationships between the split bearer thresholds and transmission paths, a transmission path for transmitting uplink transmission data among the N transmission paths.

16. The terminal according to claim 14, wherein configuration information of the target split bearer is configured in the terminal, the configuration information is sent by the network-side device to the terminal, and the configuration information comprises at least one of the following:

a split bearer identifier;

configuration information of N radio link control RLC entities associated with the split bearer, wherein the N RLC entities belong to different cell groups;

at least one split bearer threshold; or,

association relationships between split bearer thresholds and transmission paths.

17. The terminal according to claim 16, wherein the association relationships between the split bearer thresholds and transmission paths comprise the following information:

each split bearer threshold corresponds to one or more transmission paths, wherein a quantity of transmission paths corresponding to each split bearer threshold is less than N.

18. The terminal according to claim 14, wherein the second MAC CE signaling comprises a cell group identifier and a logical channel identity.

19. The terminal according to claim 14, wherein the second field is specifically used to indicate the status of the transmission path whose sequence number is i in the target split bearer, where i is an integer greater than or equal to 0 and less than N.

20. The terminal according to claim 19, wherein a value of the second field is "1", the transmission path whose sequence number is i in the target split bearer is in an activated state; or

a value of the second field is "0", the transmission path whose sequence number is i in the target split bearer is in a deactivated state.

21. A network-side device, comprising:

a sending module, configured to send split bearer indication signaling to a terminal,

wherein the split bearer indication signaling is used to instruct the terminal to activate or deactivate a data duplication function in response to the split bearer indication signaling, wherein

a target split bearer is configured for the terminal, the data duplication function is configured for the target split bearer, and the target split bearer comprises N transmission paths, N is a positive integer greater than 2;

wherein the split bearer indication signaling comprises second media access control control element MAC CE signaling that carries first indication information, and the first indication information is used to indicate activation or deactivation of the N transmission paths, wherein after the terminal executes the second MAC CE signaling, if all the N transmission paths are deactivated or only one of the N transmission paths is activated, the terminal deactivates the data duplication function, wherein the second MAC CE signaling comprises a first field used to identify the target split bearer, and a second field used to indicate a status of a transmission path in the target split bearer.

22. The network-side device according to claim 21, wherein configuration information of the target split bearer is configured in the terminal, the configuration information is sent by the network-side device to the terminal, and the configuration information comprises at least one of the following:

a split bearer identifier;

configuration information of N radio link control RLC entities associated with the split bearer, wherein the N RLC entities belong to different cell groups;

at least one split bearer threshold; or,

association relationships between split bearer thresholds and transmission paths.