CLAIMS

1. A method for determining a data transmission mode, as applied to a network device, the method comprising:

obtaining at least one input parameter, wherein the at least one input parameter comprises related information of a network side or transmission related information reported by a terminal device;

determining a data transmission mode for the terminal device based on the at least one input parameter; and

sending the data transmission mode to the terminal device.

2. The method according to claim 1, wherein the at least one input parameter comprises transmission related information reported by a terminal device and related information of a network side.

3. The method according to claim 1 or 2, wherein the sending the data transmission mode to the terminal device comprises:

sending an order comprising the data transmission mode to the terminal device in a form of a media access control, MAC, control element, CE, or

wherein the sending the data transmission mode to the terminal device comprises:

sending an order comprising the data transmission mode to the terminal device in a form of a physical downlink control channel order or radio resource control, RRC, signaling.

4. The method according to claim 1 or 2, wherein the sending the data transmission mode to the terminal device comprises:

sending an order comprising bearer information for indicating to change the data transmission mode.

5. The method according to claim 1, wherein the data transmission mode for the terminal device comprises one of the following:

a link aggregation mode, a link switching mode, a carrier aggregation mode, a packet duplication mode.

6. The method according to any of the previous claims, wherein the transmission related information reported by the terminal device comprises at least one of the following:

a channel-specific measurement value reported by the terminal device;

data transmission mode indication information reported by the terminal device.

7. The method according to claim 1, wherein the related information of the network side comprises at least one of the following:

a quality of service QoS requirement of the terminal device;

an uplink channel condition obtained by the network side through measurement;

a data receiving error ratio obtained by the network side through statistics;

load information of the network side.

8. A network device, comprising:

a communications unit configured to:

obtain at least one input parameter, wherein the at least one input parameter comprises related information of a network side or transmission related information reported by a terminal device; and send a data transmission mode to the terminal device;

a processing unit configured to determine the data transmission mode for the terminal device based on the at least one input parameter.

9. The network device according to claim 9, wherein the at least one input parameter comprises transmission related information reported by a terminal device and related information of a network side.

10. The network device according to claim 8 or 9, wherein the communications unit is configured to send an order comprising the data transmission mode to the terminal device in a form of a media access control, MAC, control element, CE, or

wherein the communications unit is configured to send an order comprising the data transmission mode to the terminal device in a form of a physical downlink control channel order or radio resource control, RRC, signaling.

11. The network device according to claim 8 or 9, wherein the communications unit is configured to send an order comprising:

bearer information for indicating to change the data transmission mode.

12. The network device according to claim 8, wherein the data transmission mode for the terminal device comprises one of the following:

a link aggregation mode, a link switching mode, a carrier aggregation mode, a packet duplication mode.

13. The network device according to claim 8, wherein the transmission related information reported by the terminal device comprises at least one of the following:

a channel-specific measurement value reported by the terminal device;

data transmission mode indication information reported by the terminal device.

14. The network device according to claim 8, wherein the related information of the network side comprises at least one of the following:

a quality of service QoS requirement of the terminal device;

an uplink channel condition obtained by the network side through measurement;

a data receiving error ratio obtained by the network side through statistics;

load information of the network side.

15. A computer storage medium, wherein the computer storage medium stores a computer executable instruction, and when the computer executable instruction is executed, a step of the method according to any one of claims 1 to 7 is implemented.