CLAIMS:

1. A method for scheduling resource, performed by an enhanced reduced capability (eRedCap) terminal, comprising:

in response to the eRedCap terminal having a first capability, reporting, to a network device, a quantity of parallel unicast physical downlink shared channels (PDSCHs) supported by the eRedCap terminal;

or

in response to the eRedCap terminal not having a first capability, not reporting, to a network device, a quantity of parallel unicast PDSCHs supported by the eRedCap terminal;

wherein the first capability comprises a processing capability of the eRedCap terminal for parallel unicast PDSCHs.

2. The method according to claim 1, wherein reporting, to the network device, the quantity of parallel unicast PDSCHs supported by the eRedCap terminal comprises:

reporting, to the network device, a quantity of first parallel unicast PDSCHs supported by the eRedCap terminal, wherein a quantity of resource blocks (RBs) occupied by the first parallel unicast PDSCHs is less than or equal to a first threshold;

wherein reporting, to the network device, the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal comprises:

sending a first capability reporting field in a capability signaling to the network device, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal;

or

defining a new capability reporting field to obtain a second capability reporting field, wherein the second capability reporting field comprises the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal; and sending the second capability reporting field in the capability signaling to the network device;

wherein a value set of the first capability reporting field is the same as or different from a value set of the second capability reporting field.

3. The method according to claim 2, wherein reporting, to the network device, the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal comprises:

in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset first delay threshold, reporting the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal to the network device;

or

reporting, to the network device, the quantity of the parallel unicast PDSCHs supported by the eRedCap terminal comprises:

reporting, to the network device, a quantity of second parallel unicast PDSCHs supported by the eRedCap terminal, wherein a quantity of RBs occupied by the second parallel unicast PDSCHs supported by the eRedCap terminal is not limited by a first threshold.

4. The method according to claim 3, wherein reporting, to the network device, the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal comprises:

sending a first capability reporting field in a capability signaling to the network device, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal;

or

defining a new capability reporting field to obtain a second capability reporting field, wherein the second capability reporting field comprises the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal; and sending the second capability reporting field in the capability signaling to the network device;

wherein a value set of the first capability reporting field is the same as or different from a value set of the second capability reporting field.

5. The method according to claim 3, wherein reporting, to the network device, the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal comprises:

in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset first delay threshold, reporting the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal to the network device.

6. The method according to claim 1, wherein reporting, to the network device, the quantity of parallel unicast PDSCHs supported by the eRedCap terminal comprises:

in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset second delay threshold, reporting a quantity of third parallel unicast PDSCHs supported by the eRedCap terminal to the network device, wherein the second delay threshold is greater than a preset first delay threshold, and the first delay threshold is a threshold of a processing delay of parallel unicast PDSCHs of a non-eRedCap terminal;

wherein the eRedCap terminal supports multiple quantities of the third parallel unicast PDSCHs, and the reporting the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal to the network device comprises:

reporting, to the network device, target quantities being all of the multiple quantities of the third parallel unicast PDSCHs supported by the eRedCap terminal;

or

reporting, to the network device, a target quantity being a maximum value of the multiple quantities of the third parallel unicast PDSCHs supported by the eRedCap terminal;

wherein the multiple quantities of the third parallel unicast PDSCHs correspond to different second delay thresholds.

7. The method according to claim 6, wherein reporting the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal to the network device comprises:

sending a first capability reporting field in a capability signaling to the network device, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal;

or

defining a new capability reporting field to obtain a second capability reporting field, wherein the second capability reporting field comprises the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal; and sending the second capability reporting field in a capability signaling to the network device;

wherein a value set of the first capability reporting field is the same as or different from a value set of the second capability reporting field.

8. A method for scheduling resource, performed by a network device, comprising:

receiving a quantity of parallel unicast physical downlink shared channels (PDSCHs) supported by an enhanced reduced capability (eRedCap) terminal reported by the eRedCap terminal in response to the eRedCap terminal having a first capability; and scheduling unicast PDSCH resources for the eRedCap terminal based on the quantity of the parallel unicast PDSCHs supported by the eRedCap terminal;

or

scheduling unicast PDSCH resources for the eRedCap terminal based on a processing capability of the eRedCap terminal for a single unicast PDSCH;

wherein the first capability comprises a processing capability of the eRedCap terminal for parallel unicast PDSCHs.

9. The method according to claim 8, wherein receiving the quantity of the parallel unicast PDSCHs supported by the eRedCap terminal reported by the eRedCap terminal in response to the eRedCap terminal having the first capability comprises:

receiving a quantity of first parallel unicast PDSCHs supported by the eRedCap terminal, wherein a quantity of resource blocks (RBs) occupied by the first parallel unicast PDSCHs supported by the eRedCap terminal is less than or equal to a first threshold.

10. The method according to claim 9, wherein receiving the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal comprises:

receiving a first capability reporting field in a capability signaling, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal;

or

receiving a second capability reporting field in a capability signaling, wherein the second capability reporting field comprises the quantity of the first parallel unicast PDSCHs supported by the eRedCap terminal, and the second capability reporting field is a new capability reporting field defined by the eRedCap terminal;

wherein a value set of the first capability reporting field is the same as or different from a value set of the second capability reporting field.

11. The method according to claim 9 or 10, wherein quantity of the first parallel unicast PDSCHs is reported by the eRedCap terminal in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset first delay threshold;

or

receiving the quantity of the parallel unicast PDSCHs supported by the eRedCap terminal reported by the eRedCap terminal in response to the eRedCap terminal having the first capability comprises:

receiving a quantity of second parallel unicast PDSCHs supported by the eRedCap terminal, wherein a quantity of RBs occupied by the second parallel unicast PDSCHs supported by the eRedCap terminal is not limited by a first threshold.

12. The method according to claim 11, wherein receiving the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal comprises:

receiving a first capability reporting field in a capability signaling, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the second parallel unicast PDSCHs supported by the eRedCap terminal;

or

receiving a second capability reporting field in a capability signaling, wherein the second capability reporting field comprises the quantity of second parallel unicast PDSCHs supported by the eRedCap terminal, and the second capability reporting field is a new capability reporting field defined by the eRedCap terminal.

13. The method according to claim 11, wherein quantity of the second parallel unicast PDSCHs is reported by the eRedCap terminal in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset first delay threshold.

14. The method according to claim 8, wherein receiving the quantity of the parallel unicast PDSCHs supported by the eRedCap terminal reported by the eRedCap terminal in response to the eRedCap terminal having the first capability comprises:

receiving a quantity of third parallel unicast PDSCHs supported by the eRedCap terminal,

wherein the quantity of the third parallel unicast PDSCHs is reported by the eRedCap terminal in response to a processing delay of parallel unicast PDSCHs of the eRedCap terminal being less than or equal to a preset second delay threshold, wherein the preset second delay threshold is greater than a preset first delay threshold, and the first delay threshold is a threshold of a processing delay of parallel unicast PDSCHs of a non-eRedCap terminal;

wherein the eRedCap terminal supports multiple quantities of the third parallel unicast PDSCHs, and the receiving the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal comprises:

receiving target quantities from the eRedCap terminal, wherein the target quantities are all of the multiple quantities of the third parallel unicast PDSCHs supported by the eRedCap terminal;

or

receiving a target quantity from the eRedCap terminal, wherein the target quantity is a maximum value of the multiple quantities of the third parallel unicast PDSCHs supported by the eRedCap terminal;

wherein the multiple quantities of the third parallel unicast PDSCHs correspond to different second delay thresholds;

or

receiving the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal comprises:

receiving a first capability reporting field in a capability signaling, wherein the first capability reporting field is a predefined capability reporting field in the capability signaling, and the first capability reporting field comprises the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal;

or

receiving a second capability reporting field in a capability signaling, wherein the second capability reporting field comprises the quantity of the third parallel unicast PDSCHs supported by the eRedCap terminal, and the second capability reporting field is a new capability reporting field defined by the eRedCap terminal;

wherein a value set of the first capability reporting field is the same as or different from a value set of the second capability reporting field.

15. An apparatus for scheduling resource, comprising a processor and a memory, wherein the memory stores a computer program, and the processor executes the computer program stored in the memory to cause the apparatus to perform the method according to any one of claims 1 to 14.