WHAT IS CLAIMED IS:

1. A wireless communication method, comprising:

receiving, by a terminal device configured with discontinuous reception DRX cycle including on duration and opportunity for DRX, configuration information sent by a network device, wherein the configuration information is used to configure a relationship between a detection result of a first signal or channel and whether to detect a second signal or channel in an on duration in a discontinuous reception DRX cycle, and the configuration information is carried in a system message, radio resource control RRC dedicated signaling, PDCCH signaling, or a media access control MAC control element CE;

performing, by the terminal device, detection (210) of a first signal or channel sent by the network device; and

determining (220), by the terminal device, whether to detect the second signal or channel in the on duration in the discontinuous reception DRX cycle according to the detection result of the first signal or channel and the relationship configured by the configuration information

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2. The method according to claim 1, wherein determining whether to detect a second signal or channel comprises:

determining whether to detect the second signal or channel in the on duration of a current DRX cycle, according to the detection result of the first signal or channel at a specific time or time period in an opportunity for DRX of a previous DRX cycle of the current DRX cycle, and the relationship configured by the configuration information.

3. The method according to claim 1 or 2, wherein the second signal or channel is a physical downlink control channel PDCCH or paging signaling.

4. The method according to any one of claims 1 to 3, wherein the configuration information comprises a first configuration; wherein

the first configuration is used to indicate that detection of the second signal or channel is performed when the first signal or channel is not detected.

5. The method according to claim 4, wherein the first configuration is further used to indicate that detection of the second signal or channel is performed when the first signal or channel is detected and a first field of the first signal or channel carries a first value; or that detection of the second signal or channel is not performed when the first signal or channel is detected and the first field of the first signal or channel carries a second value.

6. The method according to any one of claims 1 to 3, wherein the configuration information comprises a second configuration; wherein

the second configuration is used to indicate that detection of the second signal or channel is not performed when the first signal or channel is not detected.

7. The method according to claim 6, wherein the second configuration is further used to indicate that detection of the second signal or channel is performed when the first signal or channel is detected and a second field of the first signal or channel carries a third value; or that detection of the second signal or channel is not performed when the first signal or channel is detected and the second field of the first signal or channel carries a fourth value.

8. The method according to any one of claims 1 to 7, wherein the first signal or channel is a specific signal sequence, or is a physical channel.

9. A wireless communication method, comprising:

determining, by a network device (500), configuration information, wherein the configuration information is used to configure a relationship between a detection result of a first signal or channel obtained by a detection performed by a terminal device configured with discontinuous reception DRX cycle including on duration and opportunity for DRX and whether to detect, by the terminal device, a second signal or channel in an on duration in a discontinuous reception DRX cycle; and

sending, by the network device (500), the configuration information to the terminal device;

wherein the configuration information is carried in a system message, radio resource control RRC dedicated signaling, PDCCH signaling, or a media access control MAC control element CE.

10. A terminal device (400), comprising a communication unit (410) and a processing unit (420), the terminal device (400) being configured with discontinuous reception DRX cycle including on duration and opportunity for DRX, wherein:

the communication unit (410) is configured to receive configuration information sent by a network device (500), wherein the configuration information is used to configure a relationship between a detection result of a first signal or channel and whether to detect a second signal or channel in an on duration in a discontinuous reception DRX cycle, and the configuration information is carried in a system message, radio resource control RRC dedicated signaling, PDCCH signaling, or a media access control MAC control element CE;

the communication unit (410) is configured to perform detection of the first signal or channel sent by the network device (500); and

the processing unit (420) is configured to determine whether to detect a second signal or channel in the on duration in the discontinuous reception DRX cycle according to the detection result of the first signal or channel and the relationship configured by the configuration information.

11. The terminal device according to claim 10, wherein the processing unit (420) is further configured to:

determine whether to detect the second signal or channel in the on duration of a current DRX cycle, according to the detection result of the first signal or channel at a specific time or time period in an opportunity for DRX of a previous DRX cycle of the current DRX cycle and the relationship configured by the configuration information.

12. The terminal device according to any one of claims 10 to 11, wherein the second signal or channel is a physical downlink control channel PDCCH or paging signaling.

13. The terminal device according to any one of claims 10 to 12, wherein the configuration information comprises a first configuration; wherein

the first configuration is used to indicate that detection of the second signal or channel is performed when the first signal or channel is not detected.

14. The terminal device according to claim 13, wherein the first configuration is further used to indicate that detection of the second signal or channel is performed when the first signal or channel is detected and a first field of the first signal or channel carries a first value; or that the detection of the second signal or channel is not performed when the first signal or channel is detected and a first field of the first signal or channel carries a second value.

15. The terminal device according to any one of claims 10 to 14, wherein the configuration information comprises a second configuration; wherein

the second configuration is used to indicate detection of the second signal or channel is not performed when the first signal or channel is not detected.

16. The terminal device according to claim 15, wherein the second configuration is further used to indicate that detection of the second signal or channel is performed when the first signal or channel is detected and a second field of the first signal or channel carries a third value; or that detection of the second signal or channel is not performed when the first signal or channel is detected and the second field of the first signal or channel carries a fourth value.

17. The terminal device according to any one of claims 10 to 16, wherein the first signal or channel is a specific signal sequence or a physical channel.

18. A network device (500), comprising a processing unit (520) and a communication unit (510), wherein:

the processing unit (520) is configured to determine configuration information, wherein

the configuration information is used to configure a relationship between a detection result of a first signal or channel obtained by a detection performed by a terminal device (400) configured with discontinuous reception DRX cycle including on duration and opportunity for DRX and whether to detect a second signal or channel in an on duration in a discontinuous reception DRX cycle; and

the communication unit (510) is configured to send the configuration information to the terminal device (400);

wherein the configuration information is carried in a system message, radio resource control RRC dedicated signaling, PDCCH signaling, or a media access control MAC control element CE.