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

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

~~a configuration made by the network device, the configuration indicating a relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;~~

~~wherein the method further comprises:~~

~~receiving configuration information sent by the network device, wherein the configuration information is used to configure the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;~~

~~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~~.

~~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 at a specific detection time period or a specific detection time point according to the detection result of the first signal or~~

~~channel and the configuration made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel.~~

~~3. The method according to claim 2, wherein the specific detection time period or the specific detection time point is at least one detection time period or time point in periodic detection time periods or time points.~~

~~4. The method according to claim 3, wherein the specific detection time period or the specific detection time point is an on duration in a discontinuous reception DRX cycle; or, the specific detection time point is at least one paging occasion in periodic paging occasions.~~

~~5~~2. The method according to claim 1~~4~~, 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 ~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel; or~~

~~determining whether to detect the second signal or channel at a current paging occasion, according to the detection result of the first signal or channel at a specific time or time period before the current paging occasion and the configuration made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~.

~~6~~3. The method according to ~~any one of claims 1 to 5~~claim 1 or 2, wherein the second signal or channel is a physical downlink control channel PDCCH or paging signaling.

~~7~~4. The method according to any one of claims 1 to ~~6~~3, wherein the configuration

information~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~ 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.

~~8~~5. The method according to claim ~~7~~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.

~~9~~6. The method according to any one of claims 1 to ~~6~~3, wherein the configuration information ~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~ 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.

~~10~~7. The method according to claim ~~9~~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.

~~11. The method according to claim 1, wherein the method further comprises:~~

~~determining whether to detect the second signal or channel according to a preset rule when the first signal or channel is detected; wherein the preset rule is used to indicate that detection of the second signal or channel is performed when the second field of the first signal or channel carries a fifth value; or that detection of the second signal or channel is not~~

~~performed when the second field of the first signal or channel carries a sixth value.~~

~~12~~8. The method according to any one of claims 1 to ~~11~~7, wherein the first signal or channel is a specific signal sequence, or is a physical channel.

~~13~~9. A wireless communication method, comprising:

determining, by a network device (500), configuration information, wherein the configuration information is used to ~~indicate a configuration of~~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 method further comprises:~~

~~sending configuration information to the terminal device, wherein the configuration information is used to configure the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;~~

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~~4~~. 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 thea first signal or channel sent by thea 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 thea detection result of the first signal or channel and the relationship configured by the configuration informationa configuration made by the network device, the configuration indicating a relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;

wherein the communication unit (410) is further configured to:

receive configuration information sent by the network device, wherein the configuration information is used to configure the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;

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.

15. The terminal device according to claim 14, wherein the processing unit (420) is further configured to:

determine whether to detect the second signal or channel at a specific detection time period or a specific detection time point according to the detection result of the first signal or channel and the configuration made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel.

16. The terminal device according to claim 15, wherein the specific detection time period or the specific detection time point is at least one detection time period or time point in periodic detection time periods or time points.

17. The terminal device according to claim 16, wherein the specific detection time

~~period or the specific detection time point is an on duration in a discontinuous reception DRX cycle; or, the specific detection time point is at least one paging occasion in periodic paging occasions.~~

1~~7~~10. The terminal device according to claim ~~17~~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 ~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel; or~~

~~determine whether to detect the second signal or channel at a current paging occasion according to the detection result of the first signal or channel at a specific time or time period before the current paging occasion and the configuration made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~.

1~~8~~29. The terminal device according to any one of claims 1~~0~~04 to 1~~7~~18, wherein the second signal or channel is a physical downlink control channel PDCCH or paging signaling.

~~19~~2013. The terminal device according to any one of claims 1~~0~~04 to 1~~8~~29, wherein the configuration information ~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~ 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.

~~20~~2114. The terminal device according to claim ~~19~~2013, 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.

~~22~~15. The terminal device according to any one of claims ~~14~~ 10 to ~~21~~14, wherein the configuration information~~made by the network device regarding the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel~~ 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.

~~23~~16. The terminal device according to claim ~~22~~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.

~~24. The terminal device according to claim 14, wherein the processing unit is further configured to:~~

~~determine whether to detect the second signal or channel according to a preset rule when the communication unit detects the first signal or channel; wherein, the preset rule is used to indicate that detection of the second signal or channel is performed when the second field of the first signal or channel carries a fifth value; or that detection of the second signal or channel is not performed when the second field of the first signal or channel carries a sixth value.~~

~~25~~17. The terminal device according to any one of claims ~~14~~ 10 to ~~24~~16, wherein the

first signal or channel is a specific signal sequence or a physical channel.

~~26~~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 ~~indicate a configuration of~~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 that the communication unit (510) is configured to:~~

~~send configuration information to the terminal device, wherein the configuration information is used to configure the relationship between the detection result of the first signal or channel and whether to detect the second signal or channel;~~

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.