WHAT IS CLAIMED IS:

1. A method for feeding back a hybrid automatic repeat request-acknowledgment (HARQ-ACK), performed by a terminal device, comprising:

receiving first indication information, wherein the first indication information is configured to indicate M non-continuous time units；

receiving N physical downlink shared channels (PDSCHs) respectively over the M non-continuous time units; and

transmitting HARQ-ACK feedback information corresponding to the N PDSCHs;

wherein M and N are positive integers greater than 1, and N is less than or equal to M,

wherein transmitting the HARQ-ACK feedback information corresponding to the N PDSCHs comprises: transmitting the HARQ-ACK feedback information corresponding to the N PDSCHs based on a same physical uplink control channel, PUCCH, resource,

wherein transmitting the HARQ-ACK feedback information corresponding to the N PDSCHs based on the same PUCCH resource comprises: transmitting the HARQ-ACK feedback information corresponding to the N PDSCHs based on a specified codebook in the PUCCH resource, wherein HARQ-ACK feedback information corresponding to different PDSCHs correspond to different bits in the specified codebook,

wherein each PDSCH comprises at least one transmission block TB or at least one code block group CBG,

wherein HARQ-ACKs of different TBs in each PDSCH correspond to different bits, or HARQ-ACKs of different CBGs in each PDSCH correspond to different bits.

2. The method according to claim 1, wherein a time unit is at least one of: a slot, a mini-slot, a symbol or a subframe.

3. The method according to claim 1 or 2, wherein the first indication information is downlink control information (DCI).

4. The method according to any one of claims 1 to 3, further comprising:

receiving second indication information, wherein the second indication information is configured to indicate a PUCCH resource for transmitting the HARQ-ACK feedback information.

5. The method according to any one of claims 1 to 3, further comprising: determining a PUCCH resource for transmitting the HARQ-ACK feedback information based on a control resource set (CORESET); or determining a PUCCH resource for transmitting the HARQ-ACK feedback information based on attributes of split time units between a plurality of non-continuous time unit groups indicated based on the first indication information.

6. The method according to claim 5, wherein determining the PUCCH resource for

transmitting the HARQ-ACK feedback information based on the control resource set (CORESET) comprises at least one of: determining the PUCCH resource for transmitting the HARQ-ACK feedback information based on a number of control channel elements (CCEs) in the CORSET; or determining the PUCCH resource for transmitting the HARQ-ACK feedback information based on a position of a start CCE in the CORSET.

7. The method according to claim 5, further comprising one of:

in response to any one time unit group being a time unit group corresponding to a PDSCH required to feed back the HARQ-ACK, and each time unit located behind the any one time unit group being a non-downlink time unit, determining the non-downlink time unit as a time unit corresponding to the PUCCH resource;

in response to any one time unit group being a time unit group corresponding to a PDSCH required to feed back the HARQ-ACK, and a plurality of time units located behind the any one time unit group comprising a plurality of non-downlink time units, determining a first non-downlink time unit in the plurality of non-downlink time units as a time unit corresponding to the PUCCH resource; or

in response to any one time unit group being a time unit group corresponding to a PDSCH required to feed back the HARQ-ACK, and a plurality of time units located behind the any one time unit group being non-downlink time units, determining a non-downlink time unit with a time interval from the any one time unit group being greater than or equal to a specified value and being minimum as a time unit corresponding to the PUCCH resource.

8. The method according to claim 7, further comprising one of:

determining the specified value based on a performance of the terminal device;

determining the specified value based on third indication information; or

determining the specified value based on a protocol.

9. A method for feeding back a hybrid automatic repeat request-acknowledgment (HARQ-ACK), performed by a network device, comprising:

transmitting first indication information, wherein the first indication information is configured to indicate M non-continuous time units；

transmitting N physical downlink shared channels (PDSCHs) respectively over the M non-continuous time units; and

receiving HARQ-ACK feedback information corresponding to the N PDSCHs;

wherein M and N are positive integers greater than 1, and N is less than or equal to M,

wherein receiving the HARQ-ACK feedback information corresponding to the N PDSCHs, comprises: receiving HARQ-ACK feedback information corresponding to the N PDSCHs based

on a same physical uplink control channel, PUCCH, resource,

wherein receiving the HARQ-ACK feedback information corresponding to the N PDSCHs based on the same PUCCH resource comprises: receiving the HARQ-ACK feedback information corresponding to the N PDSCHs based on a specified codebook in the PUCCH resource, wherein HARQ-ACK feedback information corresponding to different PDSCHs correspond to different bits in the specified codebook,

wherein each PDSCH comprises at least one transmission block TB or at least one code block group CBG,

wherein HARQ-ACKs of different TBs in each PDSCH correspond to different bits, or HARQ-ACKs of different CBGs in each PDSCH correspond to different bits.

10. The method according to claim 9, wherein a time unit is at least one of: a slot, a mini-slot, a symbol or a subframe.

11. The method according to claim 9 or 10, wherein the first indication information is downlink control information (DCI).

12. The method according to any one of claims 9 to 11, further comprising:

transmitting second indication information, wherein the second indication information is configured to indicate a PUCCH resource for transmitting the HARQ-ACK feedback information .

13. A terminal device, comprising:

a processor; and

a memory storing instructions executable by the processor,

wherein the processor is configured to perform the method for feeding back a hybrid automatic repeat request-acknowledgment (HARQ-ACK) of any one of claims 1 to 8.