WHAT IS CLAIMED IS:

1. A method for allocating time domain resources, applied to a base station, the method comprising:

transmitting downlink control information, DCI, signaling by the base station, the DCI signaling being configured to indicate a time domain resource used by a terminal to perform physical uplink shared channel, PUSCH, transmission, the time domain resource comprising at least one slot, or at least one mini-slot, or both the at least one slot and the at least one mini-slot.

2. The method of claim 1, wherein the DCI signaling is further configured to indicate a starting symbol, or an ending symbol, or both the starting symbol and the ending symbol of the time domain resource;

the starting symbol being configured to indicate a starting symbol of the PUSCH transmission performed by the terminal, and the ending symbol being configured to indicate an ending symbol of the PUSCH transmission performed by the terminal.

3. The method of claim 2, wherein,

the time domain resource is at least one slot, and a scheduling mode of the time domain resource is scheduling based on each slot.

4. The method of claim 3, comprising (a), or (b), or both (a) and (b):

(a) the starting symbol of the time domain resource is set for a first one or each one of the at least one slot;

(b) the ending symbol of the time domain resource is set for a last one or each one of the at least one slot.

5. The method of claim 3 or 4, wherein, the DCI signaling is further configured to indicate N redundancy versions, RVs, and the terminal uses a respective RV to perform the PUSCH transmission in each slot of the time domain resource,

where N is the number of the slots in the time domain resource indicated by the DCI signaling.

6. The method of claim 2, wherein the time domain resource is at least one mini-slot, and a scheduling mode of the time domain resource is scheduling based on each mini-slot.

7. The method of claim 6, wherein, the starting symbol of the time domain resource is set for a first mini-slot or each mini-slot, and the DCI signaling is further configured to indicate the number of symbols included in each mini-slot; or

the starting symbol of the time domain resource is set for each mini-slot, and an adjacent symbol before the starting symbol of an S^{th} mini-slot is the ending symbol of a $(S-1)^{th}$ mini-slot.

8. The method of claim 6 or 7, wherein, the DCI signaling is further configured to indicate M redundancy versions, RVs, and the terminal uses a respective RV to perform the PUSCH transmission in each mini-slot of the time domain resource,

where, M is the number of the mini-slots in the time domain resource indicated by the DCI signaling.

9. The method of claim 2, wherein, the time domain resource is at least one slot and at least one mini-slot, and a scheduling mode of the time domain resource includes scheduling based on each slot for the at least one slot and scheduling based on at least one mini-slot for the at least one mini-slot.

10. The method of claim 9, comprising (c), or (d), or both (c) and (d):

(c) the starting symbol of the time domain resource is set for (i) each one or a first one of the at least one slot, or (ii) a first one or each one of the least one mini-slot, or both (i) and (ii);

(d) the ending symbol of the time domain resource is set for (iii) each one or a last one of the at least one slot, or (iv) each one of the at least one mini-slot, or both (iii) and (iv).

11. The method of claim 9 or 10, wherein, the DCI signaling is further configured to indicate K redundancy versions, RVs, and the terminal uses a respective RV to perform the PUSCH transmission in each slot and each mini-slot of the time domain resource,

where, K is the number of the slots and the mini-slots in the time domain resource indicated by the DCI signaling.

12. The method of any one of claims 1 to 11, wherein each slot comprises 14 symbols, and the starting symbol is any one of the 14 symbols.

13. The method of any one of claims 2 to 12, wherein in a case where a scheduling mode of the time domain resource is scheduling based on each slot, each slot has at least one starting symbol.

14. A method for transmitting data, applied to a terminal, the method comprising:

receiving, by the terminal, downlink control information, DCI, signaling transmitted by a base station, the DCI signaling being configured to indicate a time domain resource used by the terminal to perform physical uplink shared channel, PUSCH, transmission

performed by the terminal, the time domain resource comprising at least one slot, or at least one mini-slot, or both the at least one slot and the at least one mini-slot; and

performing the PUSCH transmission by the terminal based on the DCI signaling.

15. The method of claim 14, wherein the DCI signaling is further configured to indicate a starting symbol, or an ending symbol, or both the starting symbol and the ending symbol of the time domain resource; and

performing the PUSCH transmission by the terminal based on the DCI signaling comprises (e), or (f), or both (e) and (f):

(e) determining a starting symbol of the PUSCH transmission based on the starting symbol;

(f) determining an ending symbol of the PUSCH transmission based on the ending symbol by the terminal.

16. The method of claim 15, wherein a position near the starting symbol of the PUSCH transmission in each slot or mini-slot is a PUSCH transmission starting position.

17. The method of claim 16, wherein performing the PUSCH transmission by the terminal based on the DCI signaling comprises one of:

performing, by the terminal, the PUSCH transmission by taking the starting symbol of the PUSCH transmission in each slot or mini-slot as the PUSCH transmission starting position;

performing, by the terminal, the PUSCH transmission by taking a position away from and after the starting symbol of the PUSCH transmission by a preset duration in each slot or mini-slot as the PUSCH transmission starting position;

performing, by the terminal, the PUSCH transmission by taking a position away from and after the starting symbol of the PUSCH transmission by a preset duration plus a timing advance, TA, in each slot or mini-slot as the PUSCH transmission starting position; or

performing, by the terminal, the PUSCH transmission by taking a starting position of an adjacent symbol after the starting symbol of the PUSCH transmission as the PUSCH transmission starting position.

18. The method of any one of claims 14 to 17, further comprising:

receiving, by the terminal, control signaling transmitted by the base station, the control signaling being configured to indicate a stopping position of listen before talk, LBT, monitoring performed by the terminal, the control signaling comprising one or a combination of radio resource control, RRC, signaling, media access control, MAC, signaling, and the DCI signaling; or

obtaining a stopping position of listen before talk, LBT, monitoring from a chip.

19. A base station for allocating time domain resources, comprising:

a processor; and

a memory, configured to store instructions executable by the processor;

wherein the processor is configured to execute a method for allocating time domain resources of any one of claims 1 to 13.

20. A terminal for transmitting data, comprising:

a processor; and

a memory, configured to store instructions executable by the processor;

wherein the processor is configured to execute a method for transmitting data of any one of claims 14 to 18.