[00218] the interface 1102 is configured to execute the block S1 in FIG.2; the processor 1101 is configured to execute the block S2 in FIG.2.

[00219] For a case where the chip is configured to implement functions of the network device in embodiments of the present disclosure:

[00220] the interface ~~902~~ 1102 is configured to execute the block S10 in FIG.9; the processor 1101 is configured to execute the block S20 in FIG.9.

[00221] Optionally, the chip may further include a memory 1103, configured to store a necessary computer program and data.

[00222] Those skilled in the art may also understand that various illustrative logical blocks and steps listed in embodiments of the present disclosure can be implemented through electronic hardware, computer software, or a combination thereof. Whether such functions are implemented through hardware or software depends on a specific application and design requirements of an overall system. Those skilled in the art may use various methods to implement functions for each specific application, but such implementation should not be understood as beyond the scope of protection of embodiments of the present disclosure.

[00223] The present disclosed embodiment also provides a communication system, which includes a communication device as a terminal device (such as the terminal device in the aforementioned method embodiment) and a communication device as a network device in the aforementioned embodiment as described in the aforementioned embodiment of FIG. 10, or a communication device as a terminal device (such as the terminal device in the aforementioned method embodiment) and a communication device as a network device in the aforementioned embodiment as described in the aforementioned embodiment of FIG. 11.

[00224] The present disclosure also provides a computer-readable storage medium with instructions stored thereon; the instructions is configured to implement functions of any of the above method embodiments when executed by a computer.

[00225] The present disclosure also provides a computer program product, configured to implement functions of any of the above method embodiments when executed by a computer.

[00226] The beneficial effects of the computer-readable storage medium, the computer program product, and the computer program mentioned above are the same as those of the method for time domain resource assignment in some aforementioned embodiments, which will not be repeated herein.

[00227] All or part of the above embodiments can be implemented through software, hardware,

CLAIMS

1. A method for time domain resource assignment, performed by a terminal device, comprising:

acquiring a time domain resource assignment (TDRA) table, wherein the TDRA table comprises a first field, and a second field corresponding to the first field; and

performing time domain resource assignment according to the first field and the second field.

2. The method according to claim 1, wherein performing the time domain resource assignment according to the first field and the second field comprises:

acquiring a time domain resource assignment manner; and

performing the time domain resource assignment according to the first field, the second field, and the time domain resource assignment manner.

3. The method according to claim 2, further comprising:

determining a number of effective rows in the TDRA table based on the time domain resource assignment manner; and

performing the time domain resource assignment according to the first field, the second field, and the number of effective rows in the TDRA table.

4. The method according to claim 2, wherein the time domain resource assignment manner is applied to at least one of the following transmission manners:

a transport block processing over multi-slots (TBoMS) manner;

a repetition manner; or

a TBoMS with repetition manner.

~~5. The method according to claim 2, wherein acquiring the time domain resource assignment manner comprises:~~

~~acquiring a first symbol length of the first field and a second symbol length of the second~~

~~field; and~~

~~determining the time domain resource assignment manner based on the first symbol length and the second symbol length.~~

~~6. The method according to claim 2, wherein acquiring the time domain resource assignment manner comprises:~~

~~acquiring a first symbol length of the first field; and~~

~~determining the time domain resource assignment manner based on the first symbol length.~~

~~7~~5. The method according to claim 2, wherein acquiring the time domain resource assignment manner comprises:

receiving a first configuration signaling; and

determining the time domain resource assignment manner based on the first configuration signaling.

~~8~~6. The method according to claim ~~7~~5, wherein the first configuration signaling is ~~a remaining minimum system information (RMSI) signaling,~~ a radio resource control (RRC) signaling, or a downlink control information (DCI) signaling~~, or a media access control control element (MAC CE) signaling~~.

~~9~~7. The method according to claim 2, wherein acquiring the time domain resource assignment manner comprises:

acquiring configuration information of the terminal device; and

determining the time domain resource assignment manner based on the configuration information of the terminal device.

~~10~~8. The method according to claim ~~9~~7, wherein determining the corresponding time domain resource assignment manner based on the configuration information of the terminal device comprises:

acquiring a repetition number; and

determining the corresponding time domain resource assignment manner based on the configuration information of the terminal device and the repetition number.

~~11. The method according to claim 10, wherein acquiring the repetition number comprises:~~

~~receiving a repetition number set carried by an RMSI signaling or an RRC signaling; and~~

~~receiving a DCI signaling or an MAC CE signaling, and selecting the repetition number from the repetition number set based on the DCI signaling or the MAC CE signaling.~~

~~12. The method according to claim 10, wherein acquiring the repetition number comprises:~~

~~acquiring a repetition number setting identifier; and~~

~~determining the repetition number based on the repetition number setting identifier.~~

~~13~~9. The method according to claim ~~10~~8, wherein acquiring the repetition number comprises:

acquiring whether the TDRA table comprises state information of a repetition number field; and

determining the repetition number based on the state information.

~~14. The method according to claim 1, wherein a plurality of TDRA tables are provided, and each TDRA table corresponds to one time domain resource assignment manner.~~

~~15. The method according to claim 14, wherein the plurality of TDRA tables comprises a first TDRA table and a second TDRA table, and the second TDRA table further comprises a repetition number relative to the first TDRA table.~~

~~16. The method according to any one of claims 1 to 15, wherein the first field comprises~~

~~one or more of:~~

~~a symbol length occupied by each transport block (TB) segment;~~

~~a symbol length occupied by a transmission opportunity;~~

~~a frequency hopping time domain granularity;~~

~~a symbol length occupied by a coding block (CB)/coding block group (CBG); or~~

~~a length of a joint channel estimation window.~~

~~17. The method according to claim 16, wherein the second field comprises one or more of:~~

~~a number of TB segments;~~

~~a total number of transmission opportunities;~~

~~a number of hops;~~

~~a number of CBs/CBGs; or~~

~~a number of joint channel estimations.~~

~~18. The method according to any one of claims 1 to 17, wherein the first field is carried by an L field in the TDRA table.~~

~~19. The method according to any one of claims 1 to 17, wherein the second field is carried by a repetition number field in the TDRA table.~~

~~20~~10. A method for time domain resource assignment, performed by a base station, comprising:

configuring a time domain resource assignment (TDRA) table for a terminal device, wherein the TDRA table comprises a first field, and a second field corresponding to the first field; and

performing time domain resource assignment according to the first field and the second field.

~~21~~11. The method according to claim ~~20~~10, wherein performing the time domain

resource assignment according to the first field and the second field comprises:

configuring a time domain resource assignment manner for the terminal device; and

performing the time domain resource assignment according to the first field, the second field, and the time domain resource assignment manner.

~~22~~12. The method according to claim ~~21~~11, further comprising:

determining a number of effective rows in the TDRA table based on the time domain resource assignment manner; and

performing the time domain resource assignment according to the first field, the second field, and the number of effective rows in the TDRA table.

~~23~~13. The method according to claim ~~21~~11, wherein the time domain resource assignment manner comprises at least one of the following transmission manners:

a transport block processing over multi-slots (TBoMS) manner;

a repetition manner; or

a TBoMS with repetition manner.

~~24. The method according to claim 21, wherein acquiring the time domain resource assignment manner comprises:~~

~~receiving a first symbol length of the first field and a second symbol length of the second field; and~~

~~determining the time domain resource assignment manner based on the first symbol length and the second symbol length.~~

~~25. The method according to claim 21, wherein acquiring the time domain resource assignment manner comprises:~~

~~receiving a first symbol length of the first field; and~~

~~determining the time domain resource assignment manner based on the first symbol length.~~

~~26~~14. The method according to claim ~~21~~11, wherein acquiring the time domain resource assignment manner comprises:

receiving a first configuration signaling; and

determining the time domain resource assignment manner based on the first configuration signaling.

~~27~~15. The method according to claim ~~26~~14, wherein the first configuration signaling is a ~~remaining minimum system information (RMSI) signaling,~~ a radio resource control (RRC) signaling, or a downlink control information (DCI) signaling~~, or a media access control control element (MAC CE) signaling~~.

~~28~~16. The method according to claim ~~21~~11, wherein acquiring the time domain resource assignment manner comprises:

receiving configuration information of the terminal device; and

determining the time domain resource assignment manner based on the configuration information of the terminal device.

~~29~~17. The method according to claim ~~28~~16, wherein determining the corresponding time domain resource assignment manner based on the configuration information of the terminal device comprises:

acquiring a repetition number; and

determining the corresponding time domain resource assignment manner based on the configuration information of the terminal device and the repetition number.

~~30. The method according to claim 29, wherein acquiring the repetition number comprises:~~

~~configuring a repetition number set carried by an RMSI signaling or an RRC signaling for the terminal device; and~~

~~configuring a DCI signaling or an MAC CE signaling for the terminal device, and selecting the repetition number from the repetition number set based on the DCI signaling or~~

~~the MAC CE signaling.~~

~~31. The method according to claim 29, wherein acquiring the repetition number comprises:~~

~~acquiring a repetition number setting identifier; and~~

~~determining the repetition number based on the repetition number setting identifier.~~

~~32~~18. The method according to claim ~~29~~17, wherein acquiring the repetition number comprises:

acquiring whether the TDRA table comprises state information of a repetition number field; and

determining the repetition number based on the state information.

~~33. The method according to claim 20, wherein a plurality of TDRA tables are provided, and each TDRA table corresponds to one time domain resource assignment manner.~~

~~34. The method according to claim 33, wherein the plurality of TDRA tables comprises a first TDRA table and a second TDRA table, and the second TDRA table further comprises a repetition number relative to the first TDRA table.~~

~~35. The method according to any one of claims 20 to 34, wherein the first field comprises one or more of:~~

~~a symbol length occupied by each transport block (TB) segment;~~

~~a symbol length occupied by a transmission opportunity;~~

~~a frequency hopping time domain granularity;~~

~~a symbol length occupied by a coding block (CB)/coding block group (CBG); or~~

~~a length of a joint channel estimation window.~~

~~36. The method according to claim 35, wherein the second field comprises one or more of:~~

~~a number of TB segments;~~

~~a total number of transmission opportunities;~~

~~a number of hops;~~

~~a number of CBs/CBGs; or~~

~~a number of joint channel estimations.~~

~~37. The method according to any one of claims 20 to 36, wherein the first field is carried by an L field in the TDRA table.~~

~~38. The method according to any one of claims 20 to 36, wherein the second field is carried by a repetition number field in the TDRA table.~~

~~39. A communication device, comprising:~~

~~a transceiver module, configured to acquire a time domain resource assignment (TDRA) table, wherein the TDRA table comprises a first field, and a second field corresponding to the first field; and~~

~~a processing module, configured to perform time domain resource assignment according to the first field and the second field.~~

~~40. A communication device, comprising:~~

~~a transceiver module, configured to configure a time domain resource assignment (TDRA) table for a terminal device, wherein the TDRA table comprises a first field, and a second field corresponding to the first field; and~~

~~a processing module, configured to perform time domain resource assignment according to the first field and the second field.~~

~~41~~19. A communication device, comprising a processor and a memory having a computer program stored thereon, wherein the processor is configured to execute the computer program stored in the memory, causing the device to implement the method according to any one of claims 1 to ~~19~~18.

~~42. A communication device, comprising a processor and a memory having a computer program stored thereon, wherein the processor is configured to execute the computer program stored in the memory, causing the device to implement the method according to any one of claims 20 to 38.~~

~~43. A communication device, comprising a processor and an interface circuit, wherein,~~

~~the interface circuit is configured to receive code instructions and transmit the code instructions to the processor;~~

~~the processor is configured to run the code instructions to execute the method according to any one of claims 1 to 19.~~

~~44. A communication device, comprising a processor and an interface circuit, wherein,~~

~~the interface circuit is configured to receive code instructions and transmit the code instructions to the processor;~~

~~the processor is configured to run the code instructions to execute the method according to any one of claims 20 to 38.~~

~~45~~20. A computer-readable storage medium having instructions stored thereon, wherein the instructions are configured to be executed, causing the method according to any one of claims 1 to ~~19~~ 18 to be implemented.

~~46. A computer-readable storage medium having instructions stored thereon, wherein the instructions are configured to be executed, causing the method according to any one of claims 20 to 38 to be implemented.~~