

CLAIMS

1. A method for resource configuration, comprising:

transmitting first information to a network device, wherein the first information comprises capability information, the capability information is for indicating a capability in simultaneous transmission and reception on multiple carriers, the multiple carriers comprises a first-type carrier and a second-type carrier, the first-type carrier is configured to transmit data on a Sidelink (SL) and the second-type carrier is configured to transmit data on at least one of a Uplink (UL), a Downlink (DL) and the SL; and

receiving second information from the network device, wherein the second information is for indicating a first transmission resource, allocated by the network device, for the first-type carrier and the second-type carrier and for indicating a valid time of the first transmission resource.

2. The method of claim 1, wherein the first information further comprises request information, and the request information is for requesting for aggregated data transmission on the multiple carriers.

3. The method of claim 1 or 2, before transmitting the first information to the network device, further comprising:

receiving third information from the network device, wherein the third information comprises first-type carrier information and is for instructing the network device to allocate a resource for the first-type carrier.

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

determining a second transmission resource based on the first transmission resource; and

transmitting data on the second transmission resource.

5. The method of claim 4, wherein determining the second transmission resource based on the first transmission resource comprises:

determining the second transmission resource from the first transmission resource.

6. The method of claim 5, wherein determining the second transmission resource from the first transmission resource comprises:

determining the second transmission resource from the first transmission resource according to at least one of a Channel Busy Ratio (CBR), the capability in simultaneous transmission and reception on the multiple carriers, transmitting power, and priority of a transmitted service.

7. The method of any one of claims 4-6, further comprising:

transmitting the data on the second transmission resource within the valid time of the first transmission resource.

8. The method of any one of claims 1-7, wherein the first transmission resource is a semi-persistent scheduling resource and/or a shared resource pool.

9. The method of any one of claims 1-8, further comprising:

receiving data on a third transmission resource, wherein the third transmission resource is configured by the network device through system information and comprises the first-type carrier.

10. The method of any one of claims 1-9, further comprising:

receiving data on a fourth transmission resource, wherein the fourth transmission resource is configured by the network device and comprises the second-type carrier.

11. A terminal device, comprising:

a transmitting unit, configured to transmit first information to a network device, wherein the first information comprises capability information, the capability information is for indicating a capability in simultaneous transmission and reception on multiple carriers, the multiple carriers comprises a first-type carrier and a second-type carrier, the first-type carrier is configured to transmit data on a Sidelink (SL) and

the second-type carrier is configured to transmit data on at least one of a Uplink (UL), a Downlink (DL) and the SL; and

a receiving unit, configured to receive second information from the network device, wherein the second information is for indicating a first transmission resource, allocated by the network device, for the first-type carrier and the second-type carrier and for indicating a valid time of the first transmission resource.

12. The terminal device of claim 11, wherein, before the transmitting unit transmits the first information to the network device, the receiving unit is further configured to receive third information from the network device, the third information comprising first-type carrier information and the third information being for instructing the network device to allocate a resource for the first-type carrier.

13. The terminal device of claim 11 or 12, further comprising:

a processing unit, configured to determine a second transmission resource based on the first transmission resource, wherein

the transmitting unit is further configured to transmit data on the second transmission resource.

14. The terminal device of any one of claims 11-13, wherein the transmitting unit is further configured to transmit the data on the second transmission resource within the valid time of the first transmission resource.

15. A terminal device, at least comprising:

a processor, and

a transceiver capable of being controlled by the processor for transmitting and receiving information,

wherein the processor is configured to implement operations of the method of any one of claims 1-10.