CLAIMS

1. A method for wireless communication, comprising:

determining, by a user equipment (UE), according to a mapping relationship, an uplink scheduling request format corresponding to sidelink data needing to be sent, wherein the mapping relationship comprises a mapping relationship from different sidelink data to different uplink scheduling request formats; and

sending, by the UE, according to the uplink scheduling request format, an uplink scheduling request to a network device;

wherein the different sidelink data comprises: sidelink data with different quality of service (QoS) attribute values, and/or sidelink data in different sidelink logical channels or different sidelink logical channel groups.

2. The method according to claim 1, wherein before determining, by the UE, according to the mapping relationship, the uplink scheduling request format corresponding to the sidelink data needing to be sent, the method further comprises:

receiving, by the UE, from the network device, the mapping relationship.

3. The method according to claim 2, wherein before receiving, by the UE, from the network device, the mapping relationship, the method further comprises:

sending, by the UE, user capability information of the UE to the network device.

4. The method according to claim 3, wherein the user capability information comprises at least one of:

whether the UE supports use of a short transmission time interval (TTI) based uplink scheduling request format; or

whether the UE supports use of a specific-length TTI based uplink scheduling

request format.

5. The method according to any one of claims 1 to 4, wherein the different sidelink data comprises sidelink data with different ProSePer-Packet Priority (PPPP) values.

6. The method according to any one of claims 1 to 4, wherein the different sidelink data comprises sidelink data with different ProSePer-Packet Reliablity (PPPR) values.

7. The method according to any one of claims 1 to 6, wherein the different uplink scheduling request formats comprise uplink scheduling request formats based on different physical uplink control channel (PUCCH) formats.

8. User equipment (UE), comprising:

a determination unit, configured to determine, according to a mapping relationship, an uplink scheduling request format corresponding to sidelink data needing to be sent, wherein the mapping relationship comprises a mapping relationship from different sidelink data to different uplink scheduling request formats; and

an uplink scheduling request sending unit, configured to send, according to the uplink scheduling request format, an uplink scheduling request to a network device;

wherein the different sidelink data comprises: sidelink data with different quality of service (QoS) attribute values, and/or sidelink data in different sidelink logical channels or different sidelink logical channel groups.

9. The UE according to claim 8, further comprising:

a mapping relationship receiving unit, configured to receive, from the network device, the mapping relationship.

10. The UE according to claim 8 or 9, further comprising:

a user capability information sending unit, configured to send user capability information of the UE to the network device.

11. The UE according to claim 10, wherein the user capability information comprises at least one of:
whether the UE supports use of a short transmission time interval (TTI) based uplink scheduling request format; or
whether the UE supports use of a specific-length TTI based uplink scheduling request format.

12. The UE according to any one of claims 8 to 11, wherein the different sidelink data comprises sidelink data with different ProSePer-Packet Priority (PPPP) values.

13. The UE according to any one of claims 8 to 11, wherein the different sidelink data comprises sidelink data with different ProSePer-Packet Reliablity (PPPR) values.

14. The UE according to any one of claims 8 to 11, wherein the different sidelink data comprises sidelink data with different service identifiers.

15. The UE according to any one of claims 8 to 11, wherein the different sidelink data comprises sidelink data with different destination addresses.

16. The UE according to any one of claims 8 to 15, wherein the different uplink scheduling request formats comprise uplink scheduling request formats based on different physical uplink control channel (PUCCH) formats.