What we claim is:

1. A method for wireless communication, comprising:

when a first terminal device and a second terminal device perform wireless communication via a first network device,

performing, by the first terminal device, a reporting process for link quality of a first link according to the link quality of the first link and a first code rate, wherein the first code rate is determined according to a code rate supported by the first terminal device, or determined according to a code rate supported by the second terminal device, wherein the first link is a link between the first terminal device and the first network device.

2. The method according to claim 1, wherein the first code rate is:

a smaller one of a maximum code rate supported by the first terminal device and a maximum code rate supported by the second terminal device, or

an intersection of a set of code rates supported by the first terminal device and a set of code rates supported by the second terminal device, or

a maximum code rate supported by the first terminal device, or

a set of code rates supported by the first terminal device, or

a maximum code rate supported by the second terminal device, or

a set of code rates supported by the second terminal device.

3. The method according to claim 1 or 2, wherein performing, by the first terminal device, the reporting process for the link quality of the first link according to the link quality of the first link and the first code rate comprises:

performing, by the first terminal device, the reporting process for the link quality of the first link according to a first relationship and a second relationship, wherein the first relationship is a relationship between the link quality of the first link and a predetermined first threshold of quality, the second relationship is a relationship between the first code rate and a recommended code rate, and the recommended code rate is a code rate that, before a current time, the first network device most recently indicates to be used by the first terminal device.

4. The method according to claim 3, wherein performing, by the first terminal device, the reporting process for the link quality of the first link according to the first relationship and the second relationship comprises:

when the first relationship is that the link quality of the first link is greater than or equal to the first threshold of quality and the second relationship is that the first code rate is less than the recommended code rate, not reporting, by the first terminal device, the link quality of the first link to the first network device; or

when the first relationship is that the link quality of the first link is greater than or equal to the first threshold of quality and the second relationship is that the first code rate is greater than or equal to the recommended code rate, reporting, by the first terminal device, the link quality of the first link to the first network device.

5. The method according to claim 3 or 4, wherein the method further comprises:

receiving, by the first terminal device, indication information of the first threshold of quality sent by the first network device.

6. The method according to any one of claims 3-5, wherein the first threshold of quality is determined according to the recommended code rate.

7. The method according to claim 1 or 2, wherein performing, by the first terminal device, the reporting process for the link quality of the first link according to the link quality of the first link and the first code rate comprises:

performing, by the first terminal device, the reporting process for the link quality of the first link according to a third relationship and a fourth relationship, wherein the third relationship is a relationship between the link quality of the first link and a predetermined second threshold of quality, the fourth relationship is a relationship between the link quality of the first link and a reference quality, and the reference quality is determined according to the first code rate.

8. The method according to claim 7, wherein performing, by the first terminal device, the reporting process for the link quality of the first link according to the third relationship and the fourth relationship comprises:

when the third relationship is that the link quality of the first link is less than or equal to the second threshold of quality and the fourth relationship is that the link quality of the first link is greater than or equal to a first reference quality, not reporting, by the first terminal device, the link quality of the first link to the first network device; or

when the third relationship is that the link quality of the first link is less than or equal to the second threshold of quality and the fourth relationship is that the link quality of the first link is less than a second reference quality, reporting, by the first terminal device, the link quality of the first link to the first network device.

9. The method according to claim 7 or 8, wherein the method further comprises:

receiving, by the first terminal device, indication information of the second threshold of quality and the reference quality that are sent by the first network device.

10. The method according to any one of claims 7-9, wherein the second threshold of quality is determined according to a recommended code rate.

11. The method according to any one of claims 1-10, further comprising:

sending, by the first terminal device, indication information of the first code rate to the first network device.

12. A method for wireless communication, comprising:

when a first terminal device and a second terminal device perform wireless communication via a first network device,

sending, by the first terminal device, indication information of link quality of a first link and indication information of a first code rate to the first network device, wherein the first code rate is determined according to a code rate supported by the first terminal device, or determined according to a code rate supported by the second terminal device, wherein the first link is a link between the first terminal device and the first network device.

13. The method according to claim 12, wherein the first code rate is:

a smaller one of a maximum code rate supported by the first terminal device and a maximum code rate supported by the second terminal device, or

an intersection of a set of code rates supported by the first terminal device and a set of

code rates supported by the second terminal device, or

a maximum code rate supported by the first terminal device, or

a set of code rates supported by the first terminal device, or

a maximum code rate supported by the second terminal device, or

a set of code rates supported by the second terminal device.

14. The method according to claim 12 or 13, wherein sending, by the first terminal device, indication information of the link quality of the first link and indication information of the first code rate to the first network device comprises:

after determining that the link quality of the first link is greater than or equal to a predetermined first threshold of quality, sending, by the first terminal device, the indication information of the link quality of the first link and the indication information of the first code rate to the first network device, or

after determining that the link quality of the first link is less than or equal to a predetermined second threshold of quality, sending, by the first terminal device, the indication information of the link quality of the first link and the indication information of the first code rate to the first network device.

15. The method according to claim 14, wherein the method further comprises:

receiving, by the first terminal device, indication information of the first threshold of quality or indication information of the second threshold of quality that is sent by the first network device.

16. The method according to claim 14 or 15, wherein the first threshold of quality or the second threshold of quality is determined according to a recommended code rate.

17. An apparatus for wireless communication, comprising:

a processing unit, configured to perform, according to link quality of a first link and a first code rate, a reporting process for the link quality of the first link when the apparatus and a second terminal device perform wireless communication via a first network device, wherein the first code rate is determined according to a code rate supported by the apparatus, or determined according to a code rate supported by the second terminal device, wherein the first link is a link

between the apparatus and the first network device.

18. The apparatus according to claim 17, wherein the first code rate is:

a smaller one of a maximum code rate supported by the first terminal device and a maximum code rate supported by the second terminal device, or

an intersection of a set of code rates supported by the first terminal device and a set of code rates supported by the second terminal device, or

a maximum code rate supported by the first terminal device, or

a set of code rates supported by the first terminal device, or

a maximum code rate supported by the second terminal device, or

a set of code rates supported by the second terminal device.

19. The apparatus according to claim 17 or 18, wherein the processing unit is configured to perform the reporting process for the link quality for the first link according to a first relationship and a second relationship, wherein the first relationship is a relationship between the link quality of the first link and a predetermined first threshold of quality, the second relationship is a relationship between the first code rate and a recommended code rate, and the recommended code rate is a code rate that, before a current time, the first network device most recently indicates to be used by the apparatus.

20. The apparatus according to claim 19, wherein,

the processing unit is configured to not report the link quality of the first link to the first network device, when the first relationship is that the link quality of the first link is greater than or equal to the first threshold of quality and the second relationship is that the first code rate is less than the recommended code rate; or

the processing unit is configured to report the link quality of the first link to the first network device, when the first relationship is that the link quality of the first link is greater than or equal to the first threshold of quality and the second relationship is that the first code rate is greater than or equal to the recommended code rate.