CLAIMS

1. A method implemented by a first user equipment, wherein the method comprises:

sending data to a second user equipment over a sidelink (SL); and

initializing a counter or keeping a count value of the counter unchanged when the first user equipment does not receive feedback information,

wherein the feedback information indicates whether the second user equipment successfully receives the data,

wherein the first user equipment keeps the count value unchanged when reception of the feedback information conflicts with transmission of the data and when a first priority of the reception of the feedback information is lower than or equal to a second priority of the transmission, and

wherein the counter is for radio link failure (RLF) detection.

2. The method of claim 1, further comprising:

making an identification that the first user equipment receives the feedback information

and the first user equipment fails to receive the feedback information; and

increasing, in response to the identification, the count value by 1.

3. The method of claim 1, wherein initializing the counter comprises initializing the count value to 0.

4. The method of claim 1, wherein a signal quality between the first user equipment and the second user equipment is greater than or equal to a threshold.

5 The method of claim 1, further comprising:

making an identification that a signal quality between the first user equipment and the second user equipment is less than or equal to a threshold and the first user equipment fails to receive the feedback information; and

increasing, in response to the identification, the count value by 1.

6. The method of claim 1, further comprising transmitting the feedback information on a physical sidelink feedback channel (PSFCH).

7. The method of claim 1, further comprising:

making an identification that the count value is greater than or equal to a threshold; and sending, to a network device and in response to the identification, indication information indicating that the first user equipment has detected the RLF.

8. A first user equipment, comprising:

a memory configured to store instructions; and

at least one processor coupled to the memory and configured to execute the instructions to cause the first user equipment to:

send data to a second user equipment over a sidelink (SL); and

initialize a counter or keep a count value of the counter unchanged when feedback information is not received,

wherein the feedback information indicates whether the second user equipment successfully receives the data,

wherein the first user equipment keeps the count value unchanged when reception of the feedback information conflicts with transmission of the data and when a first priority of the reception of the feedback information is lower than or equal to a second priority of the transmission, and

wherein the counter is for radio link failure (RLF) detection.

9. The first user equipment of claim 8, wherein the at least one processor is further configured to execute the instructions to cause the first user equipment to:

receive the feedback information and fail to obtain the feedback information; and

increase, in response to receiving the feedback information and failing to obtain the feedback information, the count value by 1.

10. The first user equipment of claim 8, wherein the at least one processor is further configured to execute the instructions to cause the first user equipment to initialize the count value to 0.

11. The first user equipment of claim 8, wherein a signal quality between the first user equipment and the second user equipment is greater than or equal to a threshold.

12. The first user equipment of claim 8, wherein the at least one processor is further configured to execute the instructions to cause the first user equipment to:

make an identification that a signal quality between the first user equipment and the second user equipment is less than or equal to a threshold and the feedback information fails to be received; and

increase, in response to the identification, the count value by 1.

13. The first user equipment of claim 8, wherein the at least one processor is further configured to execute the instructions to cause the first user equipment to transmit the feedback information on a physical sidelink feedback channel (PSFCH).

14. The first user equipment of claim 8, wherein the at least one processor is further configured to execute the instructions to cause the first user equipment to:

make an identification that the count value is greater than or equal to a threshold; and

send, to a network device and in response to the identification, indication information indicating that the first user equipment has detected the RLF.

15. A non-transitory computer-readable medium comprising computer-executable instructions that, when executed by at least one processor, cause a first user equipment to:

send data to a second user equipment over a sidelink (SL); and

initialize a counter or keep a count value of the counter unchanged when feedback information is not received,

wherein the feedback information indicates whether the second user equipment successfully receives the data,

wherein the first user equipment keeps the count value unchanged when reception of the feedback information conflicts with transmission of the data and when a first priority of the reception of the feedback information is lower than or equal to a second priority of the transmission, and

wherein the counter is for radio link failure (RLF) detection.

16. The non-transitory computer-readable medium of claim 15, wherein the computer-executable instructions further cause the first user equipment to:

receive the feedback information and fail to obtain the feedback information; and increase, in response to receiving the feedback information and failing to obtain the feedback information, the count value by 1.

17. The non-transitory computer-readable medium of claim 16, wherein the computer-executable instructions further cause the first user equipment to receive the feedback information and fail to obtain the feedback information when a radio link between the first user equipment and the second user equipment is abnormal.

18. The non-transitory computer-readable medium of claim 15, wherein the computer-executable instructions further cause the first user equipment to trigger the RLF when the count value of the first counter is greater than or equal to a threshold.

19. The non-transitory computer-readable medium of claim 15, wherein the computer-executable instructions further cause the first user equipment to keep the count value unchanged when a signal quality between the first user equipment and the second user equipment is greater than or equal to a first threshold.

20. The non-transitory computer-readable medium of claim 19, wherein the computer-executable instructions further cause the first user equipment to increase the count value by 1 when the signal quality is less than a second threshold and the first user equipment fails to successfully receive the first feedback information.