CLAIMS

What is claimed is:

1. An information processing method, applied to a terminal and comprising:

determining a priority of first information; and

performing, based on the priority of the first information, an operation associated with the priority of the first information; wherein

a radio access technology RAT corresponding to the first information is new radio NR; and

the priority of the first information is a first priority corresponding to the first information or a dedicated priority; or the priority of the first information is determined according to a predefined rule.

2. The method according to claim 1, wherein the first priority corresponding to the first information is any one of the following:

a priority in a PC5 quality of service indicator PQI corresponding to the first information;

a priority indicated by an application layer and corresponding to the first information;

a priority in a quality of service QoS parameter corresponding to the first information;

a priority of a logical channel corresponding to the first information;

a priority of a bearer corresponding to the first information;

a PC5 quality of service flow indicator PFI corresponding to the first information; and

a fixed priority specified by a protocol.

3. The method according to claim 1, wherein the dedicated priority is any one of the following:

indicated by an upper layer of the terminal to a physical layer;

configured by a network device; and

pre-configured.

4. The method according to claim 3, wherein in a case that the dedicated priority is indicated by the upper layer of the terminal to the physical layer, the dedicated priority is determined based on at least one of the following:

a PQI corresponding to the first information;

a priority indicated by an application layer and corresponding to the first information;

a QoS parameter corresponding to the first information;

a PFI corresponding to the first information;

a priority of a logical channel corresponding to the first information;

a priority of a bearer corresponding to the first information; and

a fixed priority specified by a protocol.

5. The method according to claim 4, wherein in a case that the dedicated priority is determined based on the priority of the logical channel corresponding to the first information, the dedicated priority is obtained by processing, in a preset processing manner, the priority of the logical channel corresponding to the first information;

or

in a case that the dedicated priority is determined based on the priority of the bearer corresponding to the first information, the dedicated priority is obtained by processing, in a preset processing manner, the priority of the bearer corresponding to the first information.

6. The method according to claim 3, wherein in a case that the dedicated priority is configured by the network device or pre-configured, the dedicated priority is any one of the following:

a priority carried in sidelink control information SCI when the physical layer is transmitting the SCI;

a priority of a logical channel corresponding to the first information; and

a priority of a bearer corresponding to the first information.

7. The method according to claim 1, wherein in a case that the first information and the second information need to be transmitted/received simultaneously, the

performing, based on the priority of the first information, an operation associated with the priority of the first information comprises:

preferentially transmitting/receiving higher-priority information in the first information and the second information.

8. The method according to claim 7, wherein the higher-priority information is determined by using at least one of the following:

comparing the priority of the first information with a priority of the second information;

comparing a second priority with first mapping information based on a preset correspondence between preset priorities and mapping information, wherein the second priority is the priority of the first information, and the first mapping information is obtained by mapping a priority of the second information; or the second priority is a priority of the second information, and the first mapping information is obtained by mapping the priority of the first information;

comparing the priority of the first information with a first threshold, and comparing a priority of the second information with a second threshold;

comparing the priority of the first information with a third threshold;

comparing a priority of the second information with a fourth threshold; and

presetting a priority order.

9. The method according to claim 7, wherein in a case that the first information and the second information correspond to different hybrid automatic repeat request HARQ processes, the preferentially transmitting/receiving higher-priority information in the first information and the second information comprises:

transmitting/receiving the higher-priority information by using a first HARQ process, wherein the first HARQ process corresponds to the higher-priority information; and

the method further comprises:

dropping a second HARQ process, wherein the second HARQ process corresponds to lower-priority information in the first information and the second information.

10. The method according to claim 1 or 7, wherein the first information comprises any one of the following:

sidelink data, PC5 media access control control element MAC CE, PC5 discovery related message, PC5 synchronization related message, PC5 radio resource control RRC message, and PC5-S message.

11. The method according to claim 7, wherein the second information comprises any one of the following:

sidelink data, PC5 MAC CE, PC5 discovery related message, PC5 synchronization related message, PC5-RRC message, PC5-S message, Uu data, Uu MAC CE, and Uu RRC message.

12. The method according to claim 1, wherein the predefined rule comprises any one of the following:

that a PC5 synchronization related message has a highest priority;

priorities of a MAC CE and a signaling radio bearer being higher than a priority of a data radio bearer;

a priority of a first-type MAC CE being higher than a priority of a second-type MAC CE;

a priority of a first-type signaling radio bearer being higher than a priority of a second-type signaling radio bearer;

a descending order of priority being preset as: third-type MAC CE, signaling radio bearer, fourth-type MAC CE, and data radio bearer; and

a descending order of priority being preset as: signaling radio bearer, fifth-type MAC CE, and data radio bearer.

13. The method according to claim 1, wherein the priority of the first information is indicated by a priority indication carried in NR SCI.

14. A terminal, comprising:

a determining module, configured to determine a priority of first information; and

an execution module, configured to perform, based on the priority of the first information, an operation associated with the priority of the first information;

wherein a RAT corresponding to the first information is NR; and

the priority of the first information is a first priority corresponding to the first information or a dedicated priority; or the priority of the first information is determined according to a predefined rule.

15. The terminal according to claim 14, wherein the first priority corresponding to the first information is any one of the following:

a priority in a PC5 quality of service indicator PQI corresponding to the first information;

a priority indicated by an application layer and corresponding to the first information;

a priority in a quality of service QoS parameter corresponding to the first information;

a priority of a logical channel corresponding to the first information;

a priority of a bearer corresponding to the first information;

a PC5 quality of service flow indicator PFI corresponding to the first information; and

a fixed priority specified by a protocol.

16. The terminal according to claim 14, wherein the dedicated priority is any one of the following:

indicated by an upper layer of the terminal to a physical layer;

configured by a network device; and

pre-configured.

17. The terminal according to claim 14, wherein the execution module is specifically configured to: in a case that the first information and the second information need to be transmitted/received simultaneously, preferentially transmit/receive higher-priority information in the first information and the second information.

18. The terminal according to claim 14, wherein the predefined rule comprises any one of the following:

that a PC5 synchronization related message has a highest priority;

priorities of a MAC CE and a signaling radio bearer being higher than a priority of a data radio bearer;

a priority of a first-type MAC CE being higher than a priority of a second-type MAC CE;

a priority of a first-type signaling radio bearer being higher than a priority of a second-type signaling radio bearer;

a descending order of priority being preset as: third-type MAC CE, signaling radio bearer, fourth-type MAC CE, and data radio bearer; and

a descending order of priority being preset as: signaling radio bearer, fifth-type MAC CE, and data radio bearer.

19. A terminal, comprising a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the information processing method according to any one of claims 1 to 13 are implemented.

20. A computer-readable storage medium storing a computer program thereon, wherein when the computer program is executed by a processor, the steps of the information processing method according to any one of claims 1 to 13 are implemented.