CLAIMS

1. A CSI transmission method, performed by a first device and comprising:

controlling transmission of channel state information CSI based on a data type of the CSI, wherein

the data type comprises a type that requires a hybrid automatic repeat request HARQ feedback or a type that requires no HARQ feedback;

wherein the data type of the CSI is determined based on a data type of first data, wherein the first data comprises data having a higher priority than the CSI in the sidelink data to be transmitted; or the first data comprises data having a highest priority in data other than the CSI in the sidelink data to be transmitted.

2. The method according to claim 1, wherein the data type of the CSI is configured or predefined by a protocol.

3. The method according to claim 1, wherein the data type of the CSI is determined based on at least one of the following:

a resource type of a first transmission resource, wherein the first transmission resource is a resource used to transmit sidelink data to be transmitted, and the resource type is used to indicate a data type whose transmission is supported by the first transmission resource and

a transmission requirement of the CSI.

4. The method according to claim 3, wherein in a case that the data type of the CSI is determined based on the resource type of the first transmission resource, the data type of the CSI is the same as the data type whose transmission is supported by the first transmission resource.

5. The method according to claim 1, the data type of the CSI is the same as the data type of the first data.

6. The method according to claim 1, wherein in a case that a second transmission resource supports transmission of data requiring a HARQ feedback and data requiring

no HARQ feedback, the data type of the CSI is configured or predefined by a protocol; or

in a case that there is no data having a higher priority than the CSI in sidelink data to be transmitted, the data type of the CSI is configured or predefined by a protocol; or

in a case that a second transmission resource supports transmission of data requiring a HARQ feedback and data requiring no HARQ feedback, and that there is no data having a higher priority than the CSI in sidelink data to be transmitted, the data type of the CSI is configured or predefined by a protocol, wherein

the second transmission resource is a resource used to transmit the sidelink data to be transmitted.

7. The method according to claim 1, wherein in a case that a third transmission resource supports transmission of data requiring a HARQ feedback and data requiring no HARQ feedback, and that there is no data having a higher priority than the CSI in sidelink data to be transmitted, the data type of the CSI is determined based on at least one of the following:

a data type of second data, wherein the second data is data having a highest priority in data other than the CSI in the sidelink data to be transmitted; and

a transmission requirement of the CSI, wherein

the third transmission resource is a resource used to transmit the sidelink data to be transmitted.

8. The method according to claim 3 or 7, wherein the transmission requirement of the CSI is configured or predefined by a protocol.

9. The method according to claim 1, wherein the controlling transmission of channel state information CSI based on a data type of the CSI comprises:

controlling multiplex transmission of the CSI and third data, wherein

the third data is data of the same data type as the CSI in sidelink data to be transmitted.

10. The method according to claim 1, wherein the controlling transmission of channel state information CSI based on a data type of the CSI comprises:

controlling transmission of the CSI within a first time window based on the data type of the CSI, wherein

the first time window is a time window corresponding to trigger information received by the first device, and the trigger information is used to trigger reporting of the CSI.

11. The method according to claim 10, wherein time windows corresponding to CSI of different data types are different.

12. The method according to claim 10, further comprising:

in a case that the CSI is not transmitted within the first time window, dropping transmission of the CSI, or deleting the CSI.

13. The method according to claim 1, wherein the CSI carries first indication information, and the first indication information is used to indicate trigger information corresponding to the CSI.

14. The method according to claim 13, wherein the first indication information is a first trigger identifier, and the first trigger identifier is the same as a trigger identifier carried in first trigger information; or

the first indication information is feature information determined based on first trigger information; or

in a case that first trigger information carries a type identifier for indicating a reporting type of the CSI, the first indication information is reporting type information of the CSI, wherein

the first trigger information is trigger information used to trigger reporting of the CSI.

15. The method according to claim 14, wherein the feature information comprises transmission position information of the trigger information, or transmission position information of a reference signal corresponding to the trigger information.

16. A first device, comprising: a processor, a memory, and a computer program stored in the memory, wherein when the computer program is executed by the processor, the steps of the CSI transmission method according to any one of claims 1 to 15 are implemented.

17. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the CSI transmission method according to any one of claims 1 to 15 are implemented.