WHAT IS CLAIMED IS:

1. A method for indicating information, performed by a terminal, comprising:

receiving downlink control information (DCI) carrying a first indication field, wherein a part of code points in the first indication field indicates a sounding reference signal (SRS) resource set and an SRS resource indication/transmitted precoding matrix indicator (SRI/TPMI) field associated with a simultaneous transmission via multiple panels (STxMP) configuration scheduled by a single DCI and associated in a case where uplink data channel scheduling of the terminal is uplink transmission from a single antenna panel to a single transmission and reception point (TRP).

2. The method of claim 1, wherein the DCI comprises a first SRI/TPMI field and a second SRI/TPMI field;

in a case where a value of the first indication field is a first code point, the first code point indicates to the terminal that the SRS resource set associated in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is an x^{th} SRS resource set, and an SRI/TPMI field used is the first SRI/TPMI field; or

in a case where a value of the first indication field is a first code point, the first code point indicates to the terminal that the SRS resource set associated in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is an x^{th} SRS resource subset, and an SRI/TPMI field used is the first SRI/TPMI field;

wherein the first SRI/TPMI field fixedly associates an SRS resource set comprising a largest number of SRS resources in all SRS resource sets as a first SRS resource set, a number of bits corresponding to the first SRI field is greater than or equal to a number of bits of the second SRI field, and x is 1 or 2.

3. The method of claim 2, wherein the first code point is 00 or 01.

4. The method of claim 1, wherein the DCI comprises a first SRI/TPMI field and a second SRI/TPMI field;

in a case where a value of the first indication field is a second code point, the second code point indicates to the terminal that an SRS resource set to be used in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is a second SRS resource set, and an SRI/TPMI field used is the second SRI/TPMI field; or

in a case where a value of the first indication field is a second code point, the second code point indicates to the terminal that an SRS resource set to be used in the case where the uplink data

channel scheduling is the uplink transmission from the single antenna panel to the single TRP is a second SRS resource subset, and an SRI/TPMI field used is the second SRI/TPMI field.

5. The method of claim 4, wherein the second code point is 01.

6. The method of any one of claims 2 to 5, wherein the SRS resource set comprises: the first SRS resource set and the second SRS resource set;

the first SRS resource set corresponds to a first TRP, or the first SRS resource set corresponds to a first antenna panel; and

the second SRS resource set corresponds to a second TRP, or the second SRS resource set corresponds to a second antenna panel.

7. The method of any one of claims 2 to 5, wherein one SRS resource set exists, and the SRS resource set comprises: a first SRS resource subset and a second SRS resource subset;

the first SRS resource subset corresponds to a first TRP, or the first SRS resource subset corresponds to a first antenna panel; and

the second SRS resource subset corresponds to a second TRP, or the second SRS resource subset corresponds to a second antenna panel.

8. The method of any one of claims 1 to 7, wherein the first indication field is an SRS resource set indication field.

9. A method for indicating information, performed by a network device, comprising:

sending downlink control information (DCI) carrying a first indication field, wherein a part of code points in the first indication field indicates a sounding reference signal (SRS) resource set and an SRS resource indication/transmitted precoding matrix indicator (SRI/TPMI) field associated in a case where uplink data channel scheduling of the terminal is uplink transmission from a single antenna panel to a single transmission and reception point (TRP) under a simultaneous transmission via multiple panels (STxMP) configuration scheduled by a single DCI.

10. The method of claim 9, wherein the DCI comprises a first SRI/TPMI field and a second SRI/TPMI field;

in a case where a value of the first indication field is a first code point, the first code point indicates to the terminal that the SRS resource set associated in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is

an x^{th} SRS resource set, and an SRI/TPMI field used is the first SRI/TPMI field; or

in a case where a value of the first indication field is a first code point, the first code point indicates to the terminal that the SRS resource set associated in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is an x^{th} SRS resource subset, and an SRI/TPMI field used is the first SRI/TPMI field;

wherein the first SRI/TPMI field fixedly associates an SRS resource set comprising a largest number of SRS resources in all SRS resource sets as a first SRS resource set, a number of bits corresponding to the first SRI field is greater than or equal to a number of bits of the second SRI field, and x is 1 or 2;

optionally, the first code point is 00 or 01.

11. The method of claim 9, wherein the DCI comprises a first SRI/TPMI field and a second SRI/TPMI field;

in a case where a value of the first indication field is a second code point, the second code point indicates to the terminal that an SRS resource set to be used in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is a second SRS resource set, and an SRI/TPMI field used is the second SRI/TPMI field; or

in a case where a value of the first indication field is a second code point, the second code point indicates to the terminal that an SRS resource set to be used in the case where the uplink data channel scheduling is the uplink transmission from the single antenna panel to the single TRP is a second SRS resource subset, and an SRI/TPMI field used is the second SRI/TPMI field,

optionally, the second code point is 01.

12. The method of any one of claims 10 to 11, wherein the SRS resource set comprises: the first SRS resource set and the second SRS resource set;

the first SRS resource set corresponds to a first TRP, or the first SRS resource set corresponds to a first antenna panel; and

the second SRS resource set corresponds to a second TRP, or the second SRS resource set corresponds to a second antenna panel, or

wherein one SRS resource set exists, and the SRS resource set comprises: a first SRS resource subset and a second SRS resource subset;

the first SRS resource subset corresponds to a first TRP, or the first SRS resource subset corresponds to a first antenna panel; and

the second SRS resource subset corresponds to a second TRP, or the second SRS resource subset corresponds to a second antenna panel.

13. The method of any one of claims 9 to 12, wherein the first indication field is an SRS resource set indication field.

14. An apparatus for indicating information, comprising:

a receiving module configured to receive downlink control information (DCI) carrying a first indication field, wherein a part of code points in the first indication field indicates a sounding reference signal (SRS) resource set and an SRS resource indication/transmitted precoding matrix indicator (SRI/TPMI) field associated in a case where uplink data channel scheduling of the terminal is uplink transmission from a single antenna panel to a single transmission and reception point (TRP) under a simultaneous transmission via multiple panels (STxMP) configuration scheduled by a single DCI.

15. An apparatus for indicating information, comprising:

a sending module configured to send downlink control information (DCI) carrying a first indication field, wherein a part of code points in the first indication field indicates a sounding reference signal (SRS) resource set and an SRS resource indication/transmitted precoding matrix indicator (SRI/TPMI) field associated in a case where uplink data channel scheduling of the terminal is uplink transmission from a single antenna panel to a single transmission and reception point (TRP) under a simultaneous transmission via multiple panels (STxMP) configuration scheduled by a single DCI.

16. A terminal, comprising:

a processor; and

a transceiver coupled to the processor;

wherein the processor is configured to implement the method for indicating information of any one of claims 1 to 8.

17. A network device, comprising:

a processor; and

a transceiver coupled to the processor;

wherein the processor is configured to implement the method for indicating information of any one of claims 9 to 13.

18. A chip, comprising a programmable logic circuit and/or program instructions, and

configured to implement the method for indicating information of any one of claims 1 to 8 or the method for indicating information of any one of claims 9 to 13 when it runs.

19. A computer-readable storage medium having stored therein at least one instruction, at least one program, a code set, or an instruction set, which is configured to be loaded and executed by a processor to implement the method for indicating information of any one of claims 1 to 8 or the method for indicating information of any one of claims 9 to 13.

20. A computer program product comprising computer instructions, wherein the computer instructions, when read by a processor of a computer device and executed by the processor, cause the computer device to perform the method for indicating information of any one of claims 1 to 8 or the method for indicating information of any one of claims 9 to 13.