CLAIMS

What is claimed is:

1. An assistance information processing method, performed by a terminal and comprising:

receiving physical cell identifier PCI range information, wherein the PCI range information comprises a PCI range and network information corresponding to the PCI range; and

determining, based on the network information, a network corresponding to the PCI range; wherein

the network information comprises a network index; and

the determining, based on the network information, a network corresponding to the PCI range comprises:

determining, based on a network identifier list of a reference cell and the network index, the network corresponding to the PCI range.

2. The method according to claim 1, wherein after the step of determining, based on the network information, a network corresponding to the PCI range, the method further comprises:

in a case that a network corresponding to the network index is a network not supported by the reference cell, ignoring or discarding the PCI range information.

3. The method according to claim 1, wherein the reference cell is prescribed by a protocol or configured by a network-side device.

4. The method according to claim 3, wherein in a case that the reference cell is prescribed by a protocol, the reference cell is any one of the following:

a cell in which the terminal receives the PCI range information;

a cell of a preset type; and

a cell of a preset identifier.

5. The method according to claim 4, wherein the cell of the preset type is a primary cell or a primary secondary cell.

6. The method according to claim 4, wherein an identifier type of the preset identifier comprises cell identity, physical cell identifier, or cell global identifier.

7. The method according to claim 3, wherein in a case that the reference cell is configured by a network-side device, the PCI range information further comprises cell indication information, and the cell indication information is used for indicating the reference cell.

8. The method according to claim 7, wherein the cell indication information comprises any one of the following:

cell identity information;

physical cell identifier information;

cell global identifier information; and

cell type identifier information.

9. An assistance information sending method, performed by a network-side device and comprising:

sending physical cell identifier PCI range information to a terminal, wherein

the PCI range information comprises a PCI range and network information corresponding to the PCI range, wherein the network information comprises a network index, to cause the terminal to determine a network corresponding to the PCI range based on a network identifier list of a reference cell and the network index.

10. The method according to claim 9, wherein in a case that the network corresponding to the PCI range is a network supported by a reference cell, the network information comprises the network index.

11. The method according to claim 10, wherein the reference cell is prescribed by a protocol or determined by the network-side device.

12. The method according to claim 11, wherein in a case that the reference cell is prescribed by a protocol, the reference cell is any one of the following:

a cell in which the network-side device sends the PCI range information;

a cell of a preset type; and

a cell of a preset identifier.

13. The method according to claim 12, wherein the cell of the preset type is a primary cell or a primary secondary cell.

14. The method according to claim 12, wherein an identifier type of the preset identifier comprises cell identity, physical cell identifier, or cell global identifier.

15. The method according to claim 11, wherein in a case that the reference cell is determined by the network-side device, the PCI range information further comprises cell indication information, and the cell indication information is used for indicating the reference cell.

16. The method according to claim 15, wherein the cell indication information comprises any one of the following:

cell identity information;

physical cell identifier information;

cell global identifier information; and

cell type identifier information.

17. A terminal, comprising a memory, a processor, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the assistance information processing method according to any one of claims 1 to 8 are implemented.

18. A network-side device, comprising a memory, a processor, and a program or instructions stored in the memory and capable of running on the processor, wherein when the program or instructions are executed by the processor, the steps of the assistance information sending method according to any one of claims 9 to 16 are implemented.