

CLAIMS

1. A method for processing network slices, applied to a network device, the method comprising:
mapping, based on first information of a serving cell, at least one network slice supported by a neighboring cell into at least one slice group, the first information representing mapping relationships between network slices and slice groups, and
sending second information, the second information at least comprising at least one slice group identifier.
2. The method of claim 1, wherein the second information further comprises a frequency priority of the at least one slice group.
3. The method of claim 1, wherein the first information corresponds to one or more tracking areas (TAs).
4. The method of claim 1, further comprising:
acquiring the mapping relationships between the network slices and the slice groups.
5. The method of claim 4, wherein acquiring the mapping relationships between the network slices and the slice groups comprises:
receiving the mapping relationships between the network slices and the slice groups configured by a network management device; or
receiving the mapping relationships between the network slices and the slice groups sent by a core network device.
6. The method of claim 5, wherein in a case of receiving the mapping relationships between the network slices and the slice groups configured by the network management device, the method further comprises:
sending, to the core network device, a subset or a universal set of the mapping relationships between the network slices and the slice groups configured by the network management device.

7. The method of claim 1, further comprising:

acquiring the at least one network slice supported by the neighboring cell.

8. The method of claim 7, wherein acquiring the at least one network slice supported by the neighboring cell comprises:

receiving the at least one network slice supported by the neighboring cell sent by a network device of the neighboring cell.

9. The method of claim 1, further comprising:

in a case that at least one slice of the at least one network slice supported by the neighboring cell cannot be mapped into slice group(s) based on the first information, sending third information to a core network device, wherein the third information is at least used for requesting to assign mapping relationship(s) to the at least one slice that cannot be mapped into the slice group(s);

receiving new mapping relationship(s) sent by the core network device; and mapping the at least one slice that cannot be mapped into the slice group(s) into slice group(s) by using the new mapping relationship(s); and.

updating the first information by using the new mapping relationship(s).

10. The method of any one of claims 1 to 9, wherein the second information is broadcast.

11. A method for processing network slices, applied to a terminal, the method comprising:

receiving second information, the second information at least comprising at least one slice group identifier of a neighboring cell;

determining at least one network slice supported by the neighboring cell based on the second information and fourth information, the fourth information representing mapping relationships between network slices and slice groups; and

performing cell reselection based on the at least one network slice supported by the neighboring cell.

12. The method of claim 11, wherein the second information further comprises a frequency priority of the at least one slice group.

13. The method of claim 11, wherein the fourth information corresponds to one or more tracking areas (TAs).

14. The method of claim 11, wherein the method further comprises:
acquiring the fourth information.

15. The method of claim 14, wherein acquiring the fourth information comprises:
receiving the fourth information sent by network side.

16. The method of claim 11, wherein performing the cell reselection based on the at least one network slice supported by the neighboring cell comprises:
determining a frequency priority of the at least one network slice supported by the neighboring cell; and
performing the cell reselection based on the frequency priority of the at least one network slice supported by the neighboring cell.

17. The method of claim 11, wherein receiving the second information comprises:
receiving the second information from broadcast.

18. The method of any one of claims 11 to 17, further comprising:
when a TA is updated, acquiring mapping relationship(s) between network slice(s) and slice group(s) of the updated TA; and
updating the fourth information by using the updated mapping relationship(s) between the network slice(s) and the slice group(s).

19. A network device, comprising a first processor and a first memory configured to store a computer program capable of running on a processor,
wherein the first processor is configured to perform operations of the method of any one of claims 1 to 10 when running the computer program.

20. A terminal comprising a second processor and a second memory configured to store a

computer program capable of running on a processor,

wherein the second processor is configured to perform operations of the method of any one of claims 11 to 18 when running the computer program.