WHAT IS CLAIMED IS:

1. A cell determination method, performed by a terminal, comprising:

determining (S101) a target slice to be accessed and at least one frequency associated with the target slice;

determining (S102) one or more candidate cells supporting the target slice in one or more cells corresponding to the at least one frequency;

determining a list of target slices supported by the at least one frequency; and

determining one or more cells to which the list is applicable based on indication information of a network device.

2. The method of claim 1, further comprising:

determining (S301) priorities of frequencies associated with the target slice; and

performing (S302) a cell reselection in the one or more candidate cells based on the priorities of the frequencies;

wherein the target slice is at least one slice in expected slices of the terminal;

the target slice comprises a slice with a highest priority in the expected slices.

3. The method of claim 2, wherein determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining whether the one or more cells corresponding to the at least one frequency support the slice with the highest priority based on indication information of a network device; and

in response to determining that all cells of the one or more cells corresponding to the at least one frequency support the slice with the highest priority, determining the one or more cells corresponding to the at least one frequency as the one or more candidate cells.

4. The method of claim 2, wherein determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining one or more slices supported by the one or more cells corresponding to the at least one frequency based on indication information of a network device; and

determining one or more cells supporting the slice with the highest priority in the one or more cells corresponding to the at least one frequency as the one or more candidate cells.

5. The method of claim 2, wherein determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining, based on indication information of a network device, a cell list comprising one

or more cells that support the slice with the highest priority in the one or more cells corresponding to the at least one frequency; and

determining the one or more cells in the cell list as the one or more candidate cells.

6. The method of claim 2, wherein performing (S302) the cell reselection in the one or more candidate cells based on the priorities of the frequencies comprises:

determining (S401) one or more candidate cells corresponding to a frequency with a highest priority associated with the slice with the highest priority;

determining (S402) a target cell based on a signal quality in the one or more candidate cells corresponding to the frequency with the highest priority;

in response to determining no target cell in the one or more candidate cells corresponding to the frequency with the highest priority, repeatedly performing (S403) a step of determining the target cell based on the signal quality in one or more candidate cells corresponding to a frequency with a one-level lower priority, until the target cell is determined or no target cell is determined in candidate cells corresponding to frequencies with all priorities;

sorting (S404) target cells based on the signal quality; and

performing (S405) the cell reselection in the sorted target cells based on an order of the target cells.

7. The method of claim 6, further comprising:

in response to determining no target cell in cells corresponding to all frequencies associated with the slice with the highest priority, performing the cell reselection based on priorities of the frequencies indicated by a network device.

8. The method of claim 6, wherein the target slice further comprises other slices in the expected slices, performing (S302) the cell reselection in the one or more candidate cells based on the priorities of the frequencies further comprises:

in response to determining no target cell in cells corresponding to all frequencies associated with the slice with the highest priority, repeatedly performing (S501) a step of determining a slice with a one-level lower priority in the other slices and determining the target cell based on the signal quality in one or more candidate cells corresponding to a frequency associated with the slice with the one-level lower priority, until the target cell is determined or no target cell is determined in cells corresponding to frequencies associated with target slices with all priorities.

9. The method of claim 8, wherein determining the target cell based on the signal quality in the one or more candidate cells corresponding to the frequency associated with the slice with the one-level lower priority comprises:

determining one or more candidate cells corresponding to a frequency with a highest priority associated with the slice with the one-level lower priority;

determine the target cell based on the signal quality in the one or more candidate cells corresponding to the frequency with the highest priority; and

in response to determining no target cell in the one or more candidate cells corresponding to the frequency with the highest priority, repeatedly performing the step of determining the target cell based on the signal quality in one or more candidate cells corresponding to a frequency with a one-level lower priority, until the target cell is determined or no target cell is determined in candidate cells corresponding to frequencies with all priorities.

10. The method of claim 8, wherein the target cell is determined in the one or more candidate cells corresponding to the frequency associated with the slice with the one-level lower priority, performing the cell reselection in the target cells based on the order of the target cells comprises:

reselecting a target cell with a highest order corresponding to the frequency associated with the slice with the one-level lower priority, wherein the target cell with the highest order is a suitable cell.

11. The method of claim 6, wherein the target slice further comprises other slices in the expected slices, determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining a list of target slices supported by the at least one frequency;

determining whether the list is applicable to all of one or more cells corresponding to the at least one frequency based on indication information of the network device; and

in response to determining that the list is applicable to all of the one or more cells corresponding to the at least one frequency, determining all of the one or more cells corresponding to the at least one frequency as one or more candidate cells corresponding to the target slices associated with the at least one frequency.

12. The method of claim 6, wherein the target slice further comprises other slices in the expected slices, determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining the one or more cells as one or more candidate cells corresponding to the target slices associated with the at least one frequency.

13. The method of claim 6, wherein the target slice further comprises other slices in the expected slices, determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining, based on indication information of the network device, one or more slices supported by one or more cells corresponding to each frequency; and

determining, in the one or more cells corresponding to each frequency, one or more cells

supporting target slices associated with the at least one frequency as one or more candidate cells corresponding to the target slices associated with the at least one frequency.

14. The method of any of claims 6 to 13, wherein the cell reselection comprises at least one of a same-priority frequency cell reselection or a low-priority frequency cell reselection, and the method further comprises:

measuring a signal quality of at least one of a same-priority frequency cell or a low-priority frequency cell of the current serving cell in the one or more candidate cells, wherein a signal quality of a current serving cell is lower than a first quality threshold or the current serving cell does not support the target slice.

15. The method of claim 14, wherein the signal quality of the same-priority frequency cell of the current serving cell is measured in the one or more candidate cells, determining (S102) the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining one or more candidate cells supporting the target slice in one or more same-priority frequency cells of the current serving cell, wherein the cell reselection is the same-priority frequency cell reselection.

16. The method of claim 14, wherein the signal quality of the low-priority frequency cell of the current serving cell is measured in the one or more candidate cells, the method further comprises:

determining a cell supporting the target slice and having a signal quality higher than a third quality threshold in one or more low-priority frequency cells of the current serving cell as a candidate cell, wherein the signal quality of the current serving cell is lower than a second quality threshold, the cell reselection is the low-priority frequency cell reselection.

17. The method of claim 14, wherein the cell reselection comprises a high-priority frequency cell reselection, and the method further comprises:

determining whether there is a frequency with a higher priority compared to the current serving cell, wherein the frequency with the higher priority is a frequency associated with the target slice; and

in response to determining that there is the frequency with the higher priority compared to the current serving cell, measuring a signal quality of a high-priority frequency cell;

wherein the method further comprises:

determining a cell supporting the target slice and having a signal quality higher than a fourth quality threshold in one or more high-priority frequency cells of the current serving cell as a candidate cell, wherein the cell reselection is the high-priority frequency cell reselection;

wherein the method further comprises:

measuring a signal quality of an intra-frequency cell of the current serving cell in the one or more candidate cells, wherein the signal quality of the current service cell is lower than the second quality threshold or the current service cell does not support the target slice, and there is a cell supporting the target slice in one or more intra-frequency cells of the current serving cell;

wherein determining the one or more candidate cells supporting the target slice in the one or more cells corresponding to the at least one frequency comprises:

determining a cell supporting the target slice in the one or more intra-frequency cells of the current serving cell as a candidate cell.

18. The method of claim 1, further comprising:

determining (S601) priorities of frequencies associated with the target slice;

sorting (S602) cells corresponding to the frequencies based on the priorities of the frequencies; and

determining (S603) a cell with a highest order and supporting the target slice in the sorted cells as a target cell for the cell reselection;

wherein determining (S603) the cell with the highest order and supporting the target slice in the sorted cells as the target cell for the cell reselection comprises:

determining whether the cell with the highest order supports the target slice;

in response to determining that the cell with the highest order supports the target slice, determining the cell with the highest order as the target cell;

in response to determining that the cell with the highest order does not support the target slice, repeatedly performing a step of determining whether a cell with a one-level lower order supports the target slice, until the cell supporting the target slice is determined or it is determined that no cell supports the target slice.

19. The method of claim 18, wherein the target slice comprises expected slices of the terminal, the method further comprises:

performing the steps in claim 18 for a slice with a highest priority in the expected slices; and

in response to determining no target cell, repeatedly performing a step of performing the steps in claim 18 for a slice with a one-level lower priority in the expected slices, until the target cell is determined or no target cell is determined for all slices in the expected slices.

20. A terminal, comprising:

a processor;

a memory configured to store a computer program;

wherein when the computer program is executed by the processor, the processor is caused to perform the cell determination method of any one of claims 1-19.