CLAIMS

1. A communication method, comprising:

determining, by an access point AP, a first communication frame, wherein the first communication frame comprises first information, the first information indicates N candidate time periods for sensing measurement, and N is a positive integer; and

sending, by the AP, the first communication frame to a station STA.

2. The method according to claim 1, wherein the first information comprises one or more of the following information: a start moment, duration, or a periodicity of each of the N candidate time periods.

3. The method according to claim 1 or 2, wherein the method further comprises:

receiving, by the AP, a second communication frame from the STA, wherein the second communication frame comprises second information, the second information indicates M candidate time periods in the N candidate time periods, the M candidate time periods are time periods in which the STA supports sensing measurement, and M is a positive integer less than or equal to N; and

initiating, by the AP, a sensing measurement instance in one or more of the M candidate time periods.

4. The method according to claim 3, wherein the second communication frame further comprises third information, and the third information indicates that a response status is success.

5. The method according to claim 3 or 4, wherein

the second information is a bit sequence, the bit sequence comprises bits corresponding to the N candidate time periods, and a bit corresponding to one candidate time period indicates that the corresponding candidate time period is or is not a time period in which the STA supports sensing measurement; or

the second information comprises one or more of the following information: a start moment, duration, or a periodicity of each of the M candidate time periods.

6. The method according to claim 1 or 2, wherein the method further comprises:

receiving, by the AP, a second communication frame from the STA, wherein the second communication frame comprises fourth information, the fourth information indicates K candidate time periods, the K candidate time periods are time periods that are recommended by the STA and that are for sensing measurement, and K is a positive integer.

7. The method according to claim 6, wherein the second communication frame further comprises fifth information, and the fifth information indicates that a response status is rejection

carrying a change suggestion.

8. The method according to any one of claims 3 to 7, wherein the first communication frame is a sensing measurement setup request frame, and the second communication frame is a sensing measurement setup response frame.

9. A communication method, comprising:

receiving, by a station STA, a first communication frame from an access point AP, wherein the first communication frame comprises first information, the first information indicates N candidate time periods for sensing measurement, and N is a positive integer; and

determining, by the STA, the N candidate time periods based on the first communication frame.

10. The method according to claim 9, wherein the first information comprises one or more of the following information: a start moment, duration, or a periodicity of each of the N candidate time periods.

11. The method according to claim 9 or 10, wherein the method further comprises:

sending, by the STA, a second communication frame to the AP, wherein the second communication frame comprises second information, the second information indicates M candidate time periods in the N candidate time periods, the M candidate time periods are time periods in which the STA supports sensing measurement, and M is a positive integer less than or equal to N.

12. The method according to claim 9 or 10, wherein the method further comprises:

sending, by the STA, a second communication frame to the AP, wherein the second communication frame comprises fourth information, the fourth information indicates K candidate time periods, the K candidate time periods are time periods that are recommended by the STA and that are for sensing measurement, and K is a positive integer.

13. The method according to claim 12, wherein the second communication frame further comprises fifth information, and the fifth information indicates that a response status is rejection carrying a change suggestion.

14. The method according to any one of claims 11 to 13, wherein the first communication frame is a sensing measurement setup request frame, and the second communication frame is a sensing measurement setup response frame.

15. The method according to claim 9, wherein before receiving, by the STA, the first communication frame from the AP, the method further comprises:

sending, by the STA, a third communication frame to the AP, wherein the third communication frame comprises sixth information, the sixth information indicates L candidate time periods, the L candidate time periods are time periods in which the STA supports sensing

measurement, the N candidate time periods are N of the L candidate time periods, and L is an integer greater than or equal to N.

16. The method according to claim 15, wherein the STA is an associated STA that establishes an association with the AP, and the third communication frame is a sensing measurement setup query frame, a probe request frame, an association request frame, or a reassociation request frame.17. A communication apparatus, comprising a processor, wherein the processor is configured to execute a computer program stored in a memory, to enable the communication apparatus to perform the method according to any one of claims 1 to 8, or to perform the method according to any one of claims 9 to 16.

18. The apparatus according to claim 17, wherein the processor comprises the memory.

19. A communication apparatus, comprising: a logic circuit and a communication interface, wherein the logic circuit is configured to process to-be-processed information to obtain processed information, and the communication interface is configured to obtain the to-be-processed information and/or output the processed information, to enable the communication apparatus to perform the method according to any one of claims 1 to 8, or to perform the method according to any one of claims 9 to 16.

20. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is run, the method according to any one of claims 1 to 8 or the method according to any one of claims 9 to 16 is implemented.