CLAIMS

1. A communication method, wherein the method comprises:

receiving configuration information, wherein the configuration information comprises a mapping relationship between a plurality of access points Aps and a plurality of pieces of indication information, the plurality of APs comprise a first AP, a second AP, and at least one third AP, the plurality of pieces of indication information comprise first indication information and second indication information, the first indication information is used to identify a first basic service set BSS to which an AP group comprising the first AP and the second AP belongs, and the second indication information is used to identify a second BSS to which any third AP belongs; and

performing communication based on the configuration information.

2. The method according to claim 1, wherein performing communication based on the configuration information comprises:

receiving a first physical layer protocol data unit PPDU, wherein the first PPDU comprises the first indication information; and

determining, based on the configuration information and the first PPDU, to communicate with the any third AP.

3. The method according to claim 1 or 2, wherein the first indication information comprises a first BSS color, the first BSS color corresponds to the first BSS, the second indication information comprises a second BSS color, and the second BSS color corresponds to the second BSS.

4. The method according to claim 1 or 2, wherein the first indication information comprises a first BSS color and a first association identifier AID, the first AID corresponds to the first BSS, the second indication information comprises the first BSS color and a second AID, the second AID corresponds to the second BSS, and the first BSS color corresponds to the first BSS and the second BSS.

5. The method according to claim 1 or 2, wherein the first indication information comprises a first BSS color and a first bitmap, the first bitmap comprises a plurality of bits, the plurality of bits correspond to the plurality of APs, and the plurality of bits are used to identify whether the plurality of APs participate in data transmission.

6. A communication method, wherein the method comprises:

sending configuration information, wherein the configuration information comprises a mapping relationship between a plurality of APs and a plurality of pieces of indication information, the plurality of APs comprise a first AP, a second AP, and at least one third AP, the plurality of pieces of indication information comprise first indication information and second indication

information, the first indication information is used to identify a first BSS to which an AP group comprising the first AP and the second AP belongs, and the second indication information is used to identify a second BSS to which any third AP belongs.

7. The method according to claim 6, wherein the method further comprises:

sending a first PPDU, wherein the first PPDU comprises the first indication information.

8. The method according to claim 6 or 7, wherein the first indication information comprises a first BSS color, the first BSS color corresponds to the first BSS, the second indication information comprises a second BSS color, and the second BSS color corresponds to the second BSS.

9. The method according to claim 6 or 7, wherein the first indication information comprises a first BSS color and a first AID, the first AID corresponds to the first BSS, the second indication information comprises the first BSS color and a second AID, the second AID corresponds to the second BSS, and the first BSS color corresponds to the first BSS and the second BSS.

10. The method according to claim 6 or 7, wherein the first indication information comprises a first BSS color and a first bitmap, the first bitmap comprises a plurality of bits, the plurality of bits correspond to the plurality of APs, and the plurality of bits are used to identify whether the plurality of APs participate in data transmission.

11. A communication method, wherein the method comprises:

determining, based on a first PPDU sent by a first AP to a second AP, a first BSS to which the first AP belongs and a second BSS to which the second AP belongs;

receiving a second PPDU based on the first BSS, wherein the second PPDU is associated with the first AP; and

receiving a third PPDU based on the second BSS, wherein the third PPDU is associated with the second AP.

12. A communication method, wherein the method comprises:

receiving a first preamble data packet and a second preamble data packet, wherein the first preamble data packet and the second preamble data packet comprise first indication information and second indication information, the first indication information is used to identify a first BSS to which a first AP belongs, and the second indication information is used to identify a second BSS to which a second AP belongs;

receiving a second PPDU based on the first preamble data packet, wherein the second PPDU comprises the first indication information; and

receiving a third PPDU based on the second preamble data packet, wherein the third PPDU comprises the second indication information.

13. The method according to claim 12, wherein the first preamble data packet and the second preamble data packet are PPDUs by using a same random seed, a same scrambling code, or a same

format.

14. The method according to any one of claims 11 to 13, wherein receiving the second PPDU comprises:

receiving the second PPDU in a non-omnidirectional manner; and

receiving the third PPDU comprises:

receiving the third PPDU in the non-omnidirectional manner.

15. A communication apparatus, wherein the apparatus comprises:

a transceiver unit, configured to receive configuration information, wherein the configuration information comprises a mapping relationship between a plurality of APs and a plurality of pieces of indication information, the plurality of APs comprise a first AP, a second AP, and at least one third AP, the plurality of pieces of indication information comprise first indication information and second indication information, the first indication information is used to identify a first BSS to which an AP group comprising the first AP and the second AP belongs, and the second indication information is used to identify a second BSS to which any third AP belongs; and

a processing unit, configured to perform communication based on the configuration information.

16. The apparatus according to claim 15, wherein

the transceiver unit is further configured to receive a first PPDU, wherein the first PPDU comprises the first indication information; and

the processing unit is further configured to determine, based on the configuration information and the first PPDU, to communicate with the any third AP.

17. The apparatus according to claim 15 or 16, wherein the first indication information comprises a first BSS color, the first BSS color corresponds to the first BSS, the second indication information comprises a second BSS color, and the second BSS color corresponds to the second BSS.

18. The apparatus according to claim 15 or 16, wherein the first indication information comprises a first BSS color and a first AID, the first AID corresponds to the first BSS, the second indication information comprises the first BSS color and a second AID, the second AID corresponds to the second BSS, and the first BSS color corresponds to the first BSS and the second BSS.

19. The apparatus according to claim 15 or 16, wherein the first indication information comprises a first BSS color and a first bitmap, the first bitmap comprises a plurality of bits, the plurality of bits correspond to the plurality of APs, and the plurality of bits are used to identify whether the plurality of APs participate in data transmission.

20. A communication apparatus, wherein the apparatus comprises:

a transceiver unit, configured to send configuration information, wherein the configuration information comprises a mapping relationship between a plurality of APs and a plurality of pieces of indication information, the plurality of APs comprise a first AP, a second AP, and at least one third AP, the plurality of pieces of indication information comprise first indication information and second indication information, the first indication information is used to identify a first BSS to which an AP group comprising the first AP and the second AP belongs, and the second indication information is used to identify a second BSS to which any third AP belongs.

21. The apparatus according to claim 20, wherein

the transceiver unit is further configured to send a first PPDU, wherein the first PPDU comprises the first indication information.

22. The apparatus according to claim 20 or 21, wherein the first indication information comprises a first BSS color, the first BSS color corresponds to the first BSS, the second indication information comprises a second BSS color, and the second BSS color corresponds to the second BSS.

23. The apparatus according to claim 20 or 21, wherein the first indication information comprises a first BSS color and a first AID, the first AID corresponds to the first BSS, the second indication information comprises the first BSS color and a second AID, the second AID corresponds to the second BSS, and the first BSS color corresponds to the first BSS and the second BSS.

24. The apparatus according to claim 20 or 21, wherein the first indication information comprises a first BSS color and a first bitmap, the first bitmap comprises a plurality of bits, the plurality of bits correspond to the plurality of APs, and the plurality of bits are used to identify whether the plurality of APs participate in data transmission.

25. A communication apparatus, wherein the apparatus comprises:

a processing unit, configured to determine, based on a first PPDU sent by a first AP to a second AP, a first BSS to which the first AP belongs and a second BSS to which the second AP belongs; and

a transceiver unit, configured to:

receive a second PPDU based on the first BSS, wherein the second PPDU is associated with the first AP; and

receive a third PPDU based on the second BSS, wherein the third PPDU is associated with the second AP.

26. A communication apparatus, wherein the apparatus comprises:

a transceiver unit, configured to receive a first preamble data packet and a second preamble data packet, wherein the first preamble data packet and the second preamble data packet comprise

first indication information and second indication information, the first indication information is used to identify a first BSS to which a first AP belongs, and the second indication information is used to identify a second BSS to which a second AP belongs; and

a processing unit, configured to:

receive a second PPDU based on the first preamble data packet, wherein the second PPDU comprises the first indication information; and

receive a third PPDU based on the second preamble data packet, wherein the third PPDU comprises the second indication information.

27. The apparatus according to claim 26, wherein the first preamble data packet and the second preamble data packet are PPDUs by using a same random seed, a same scrambling code, or a same format.

28. The apparatus according to claim 26 or 27, wherein

the transceiver unit is specifically configured to:

receive the second PPDU in a non-omnidirectional manner; and

receive the third PPDU in the non-omnidirectional manner.

29. A computer-readable storage medium, wherein the computer-readable storage medium stores program code, and when the computer program code is run on a computer, the computer is enabled to perform the method according to any one of claims 1 to 14.

30. A chip, comprising a circuit, wherein the circuit is configured to perform the method according to any one of claims 1 to 14.