

CLAIMS

What is claimed is:

1. A service priority determining method, wherein the method comprises:
sending, by a first station (STA), a first frame to a first access point (AP), wherein the first
5 frame comprises expected priority information, and the expected priority information is a service
priority that is of a first service and that the first STA expects to request; and
receiving, by the first STA, a second frame from the first AP, wherein the second frame
comprises first priority information, and the first priority information indicates a service priority
determined by the first AP for the first service.
- 10 2. A service priority determining method, wherein the method comprises:
receiving, by a first access point AP, a first frame from a first station STA, wherein the first
frame comprises expected priority information, and the expected priority information is a service
priority that is of a first service and that the first STA expects to request; and
sending, by the first AP, a second frame to the first STA, wherein the second frame comprises
15 first priority information, and the first priority information indicates a service priority determined
by the first AP for the first service.
3. The method according to claim 1 or 2, wherein the expected priority information comprises
traffic identifier (TID) information that the first STA expects to request.
4. The method according to any one of claims 1 to 3, wherein the first priority information
20 comprises target traffic identifier (TID) information, and the target TID information is TID
information determined by the first AP for the first service.
5. The method according to claim 4, wherein the target TID information further indicates
access category (AC) information corresponding to the first service, and there is a mapping
relationship between the target TID information and the AC information.
- 25 6. The method according to claim 4, wherein the first priority information further comprises
access category (AC) information determined by the first AP for the first service.
7. The method according to claim 6, wherein the second frame is a stream classification
service (SCS) response frame; and the AC information is carried in a reserved bit of an intra-access
category priority element of the SCS response frame, or the AC information is carried in a request
30 type field of the SCS response frame.
8. The method according to any one of claims 4 to 7, wherein the second frame is the stream
classification service (SCS) response frame; and the target TID information is carried in the
reserved bit of the intra-access category priority element of the SCS response frame, the target TID
information is carried in a user priority field of the intra-access category priority element of the

SCS response frame, or the target TID information is carried in the request type field of the SCS response frame.

9. The method according to any one of claims 1 to 8, wherein the second frame further comprises first broadcast restricted target wake time (TWT) identifier information, and the first broadcast target wake time (TWT) identifier information indicates first broadcast restricted target wake time (rTWT) that the first STA join.

10. The method according to claim 9, wherein the second frame further comprises first indication information, and

the first indication information indicates that the second frame comprises the first broadcast target wake time (TWT) identifier information.

11. The method according to claim 10, wherein the second frame is the stream classification service (SCS) response frame, and the first indication information and the first broadcast target wake time (TWT) identifier information are carried in the request type field of the SCS response frame.

12. The method according to claim 9, wherein the second frame is the stream classification service (SCS) response frame, the SCS response frame comprises a target wake time (TWT) element, and the first broadcast target wake time (TWT) identifier information is carried in the TWT element of the SCS response frame.

13. A communication apparatus, wherein the communication apparatus comprises:
a memory, configured to store computer instructions; and
a processor, configured to execute a computer program or the computer instructions stored in the memory, so that the method according to any one of claims 1 to 12 is performed.

14. A computer program product comprising program instructions, wherein when the program instructions are run on a computer, the method according to any one of claims 1 to 12 is performed.

15. A computer-readable storage medium, wherein the computer-readable storage medium stores program instructions, and when the program instructions are run, the method according to any one of claims 1 to 12 is performed.