

BUFFER REPORT SENDING AND RECEIVING METHOD, AND APPARATUS

ABSTRACT

This application provides a buffer report sending and receiving method, and an apparatus,
5 which are applicable to a scenario in which a plurality of uplinks/downlinks are set up between a
non-AP MLD and an AP MLD in a Wi-Fi system, to send data on a direct link in time, and reduce
a transmission delay on the direct link. The method includes: The non-AP MLD generates a buffer
report, and sends the buffer report to the AP MLD on a first uplink/downlink of the plurality of
uplinks/downlinks. The buffer report is used to request duration of direct transmission performed
10 by a first affiliated non-AP STA of the non-AP MLD on a first direct link, the first direct link is a
link between a first target non-AP STA and the first affiliated non-AP STA, and the first target non-
AP STA and the first affiliated non-AP STA belong to a same BSS. Correspondingly, after
receiving the buffer report, the AP MLD may allocate second transmission duration to the first
affiliated non-AP STA. The second transmission duration includes the duration of direct
15 transmission performed by the first affiliated non-AP STA on the first direct link.

Figure 7