

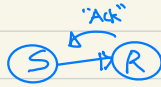
Ch. 7 wireless

- wire link : CSMA/CD ① no collision until transmit entire frame ⇒ Success

Link Layer Ack 필요X

② CD abort transmit ⇒ Failure

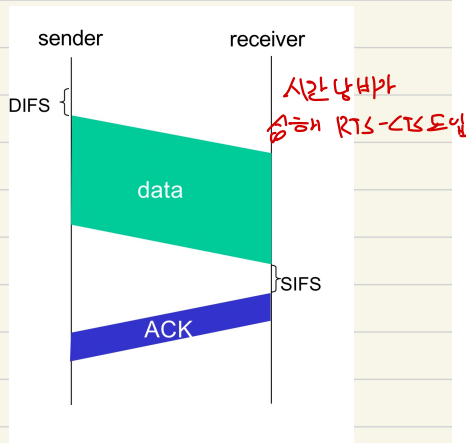
- Wireless link : CSMA/CA



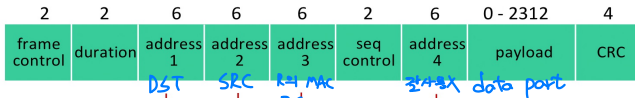
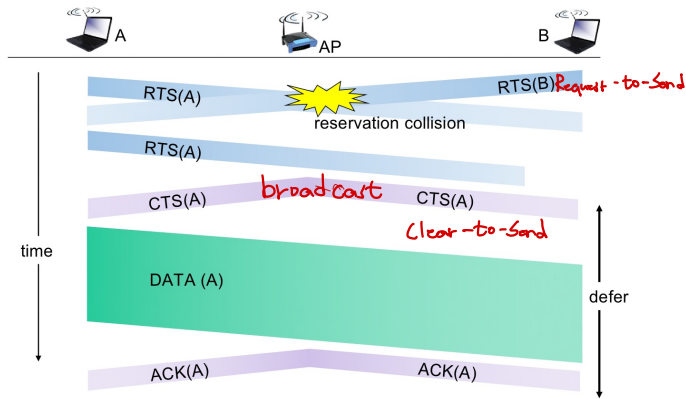
IEEE 802.11 wireless Lan (WIFI)

- AP (Access Point)

- BSS (Basic Service Set)



Collision Avoidance: RTS-CTS exchange



Address 1: MAC address of wireless host or AP to receive this frame

Address 2: MAC address of wireless host or AP transmitting this frame

Address 3: MAC address of router interface to which AP is attached

Address 4: used only in ad hoc mode

AP : Link_Layer (MAC 주소 포함)

Switch : Link_Layer (MAC 주소 포함)

↳ 유선에서는 선로 따라 보내면 도달하는데
무선에서는 AP에 도착이 보장되지 않아 MAC 주소가 필요함

Link Layer 장치이므로 IP 패킷을
확인할 수 없고, Forwarding 기능이 없음

