

1/16/07

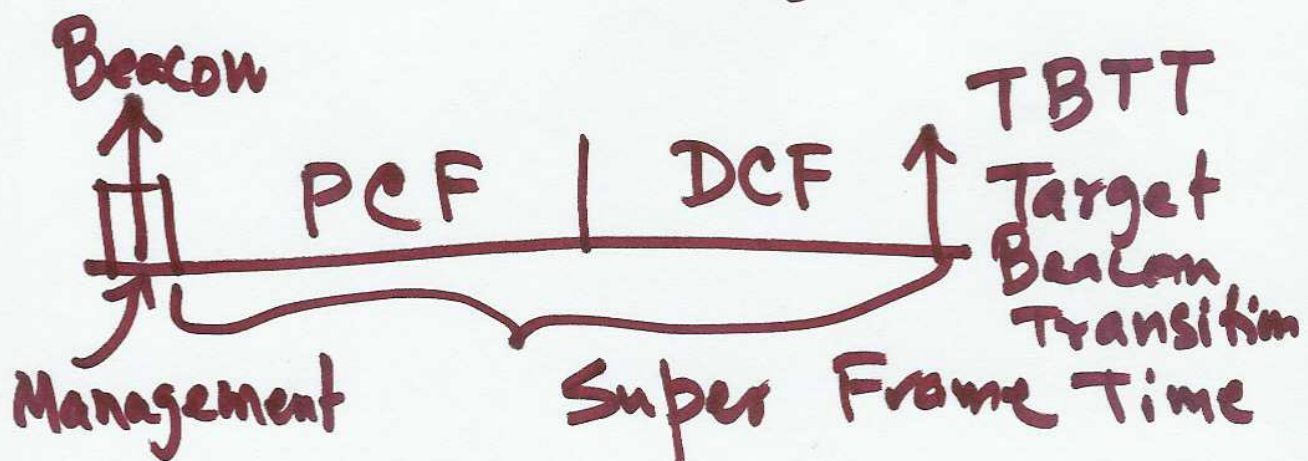
Ethernet CSMA/CD

802.11 CSMA/CA

Two modes

1. Distributed - Distributed
Coordination Function
[DCF]

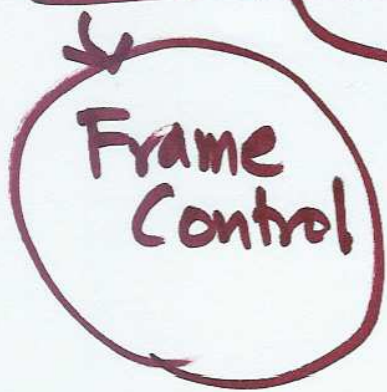
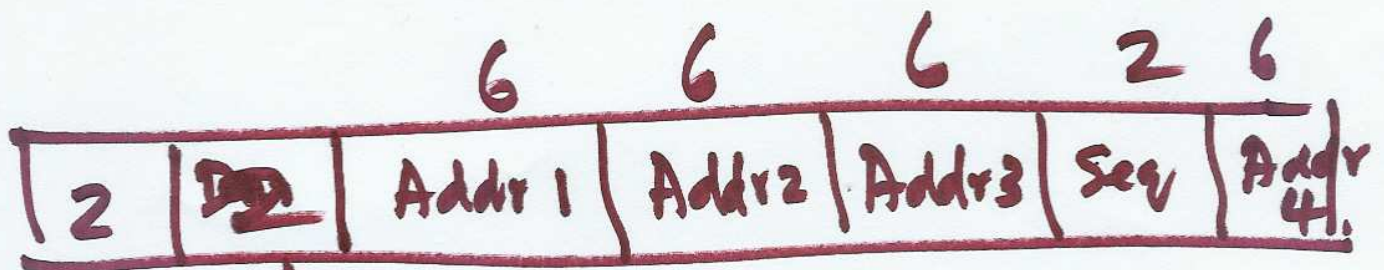
2. Polling - Point Coordination
Function [PCF]



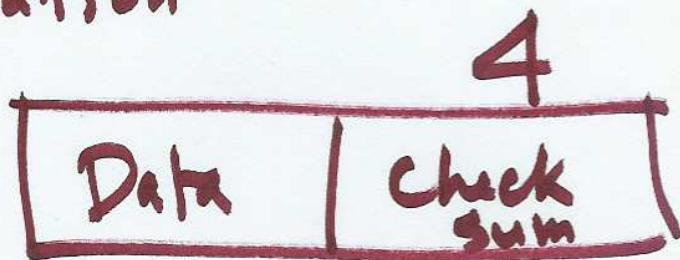
Frames

- (1) Data
- (2) Control
- (3) Management

Data Frame



Duration



0-2312

$$34 + (0 - 2312)$$

Frame Control (16 bits)

- 2 - Version
- 2 - Data, Control, Management
- 4. Subtype. RTS, CTS
- 1 To DS. ~~ETH~~ Wired Ethernet
- 1 From DS
- 1 More Fragment ←
- 1 Retry
- 1 Power
- 1 More . more frames
- 1 W - Encrypted
- 1 O - Receiver Strict in order.

Interframe Spacing

Time slot - 9 μ sec

Short Interframe Spacing

SIFS - 16 μ sec

PIFS - PCF frames
25 μ sec

DIFS - DCF frame
34 μ sec.

RTS, CTS Data Ack

Virtual Channel Sensing

RTS - Request to Send

CTS - Clear to Send

A → B

