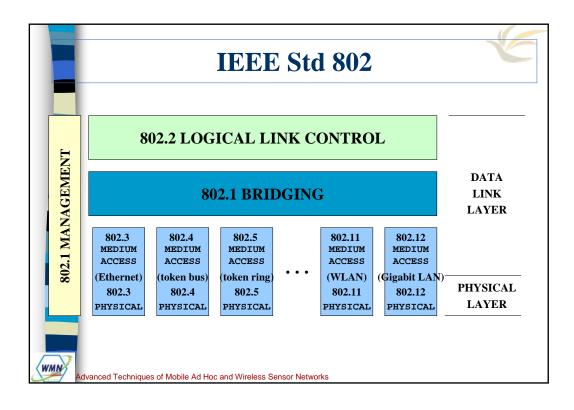
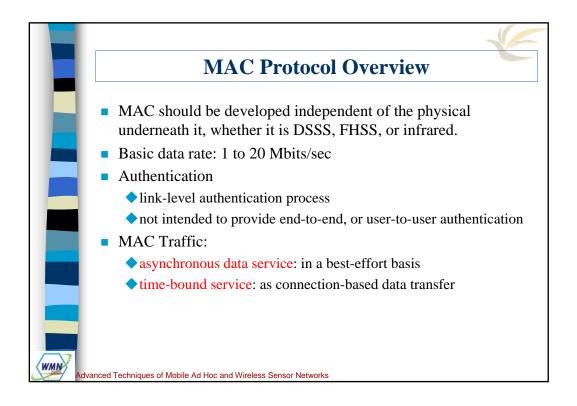
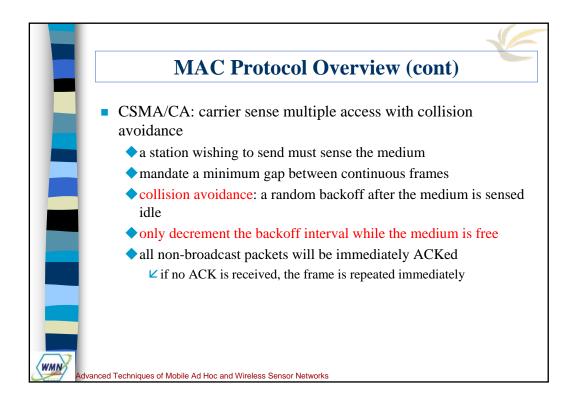
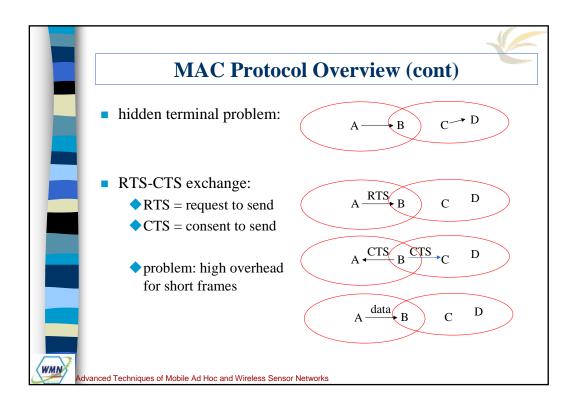


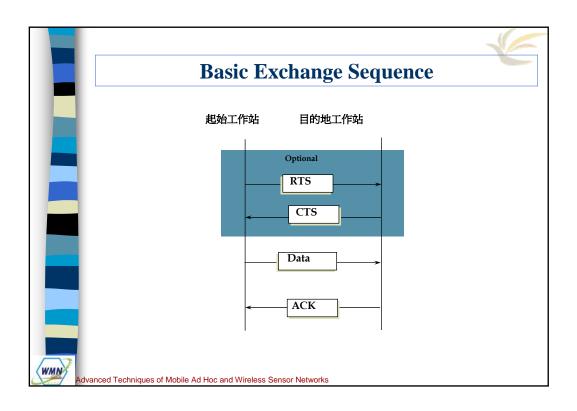
| Table 10-5. Channels used in differe | ent regulatory domains |
|---|---------------------------|
| Regulatory domain | Allowed channels |
| US (FCC)/Canada (IC) | 1 to 11 (2.412-2.462 GHz) |
| Europe, excluding France and Spain (ETSI) | 1 to 13 (2.412-2.472 GHz) |
| France | 10 to 13 (2.457-2.472 GHz |
| Spain | 10 to 11 (2.457-2.462 GHz |
| Japan (MKK) | 14 (2.484 GHz) |

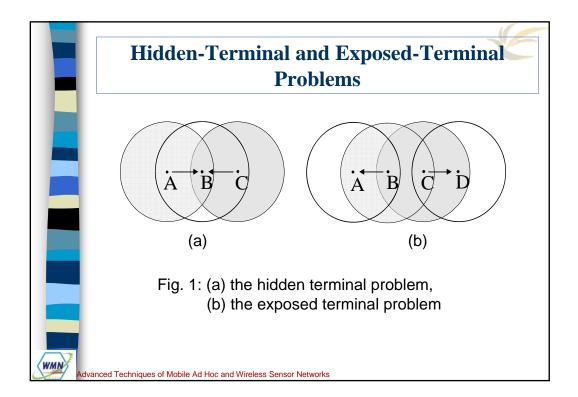


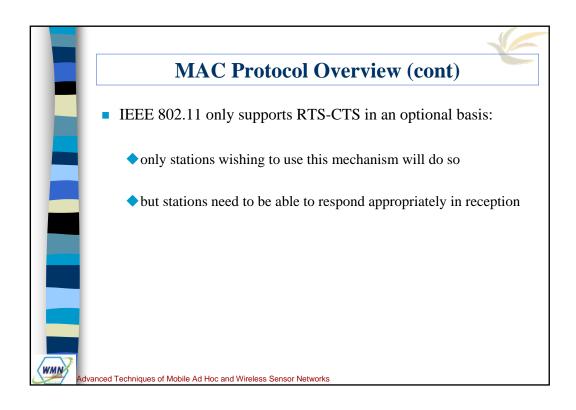


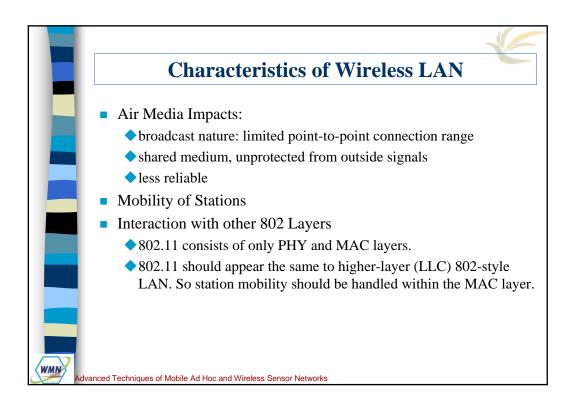


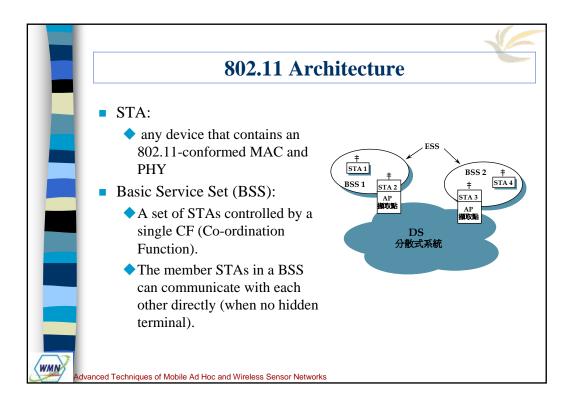


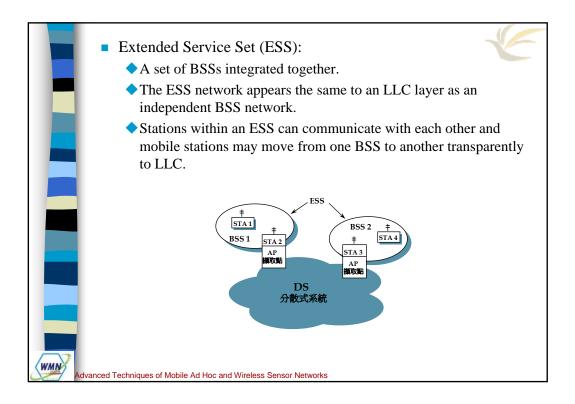


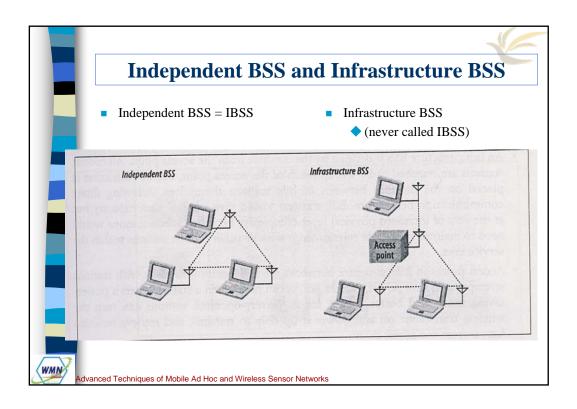


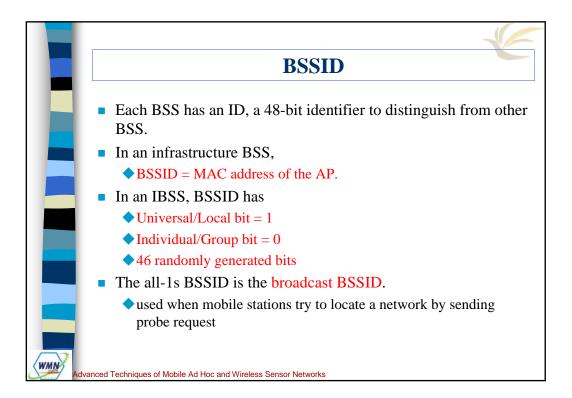


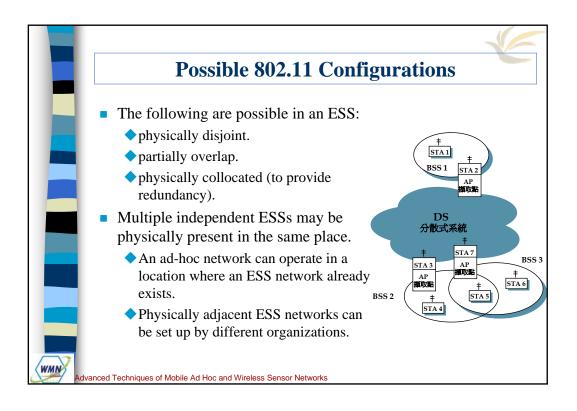


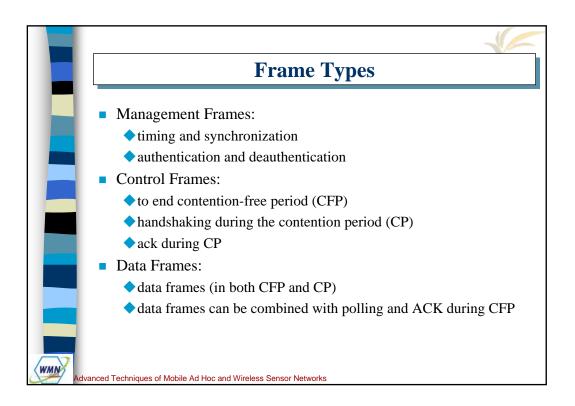


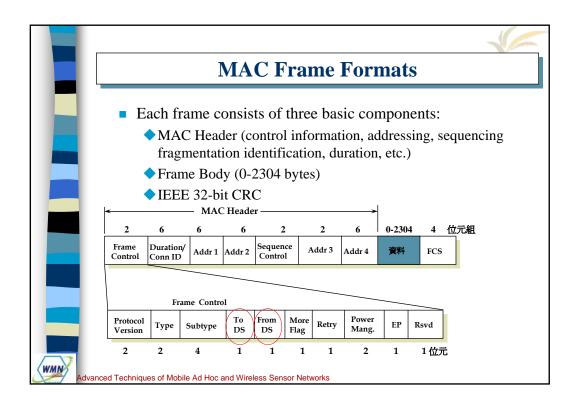


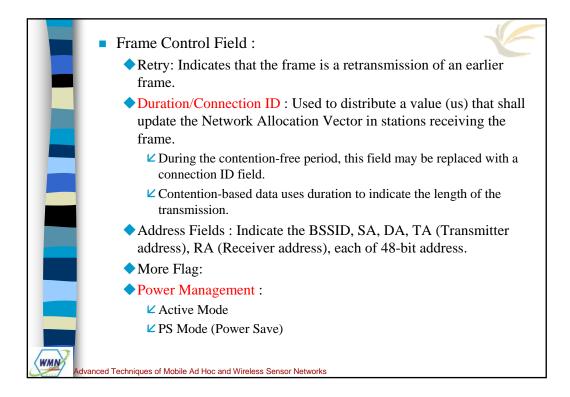


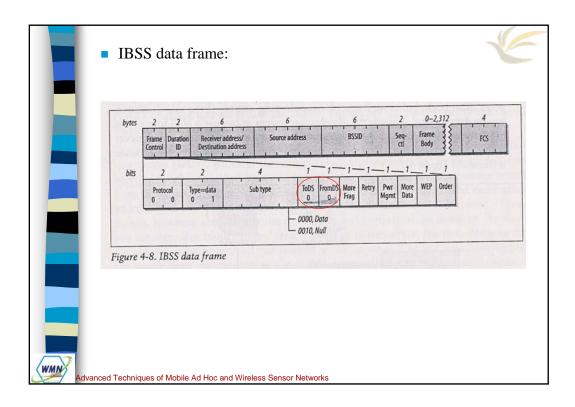






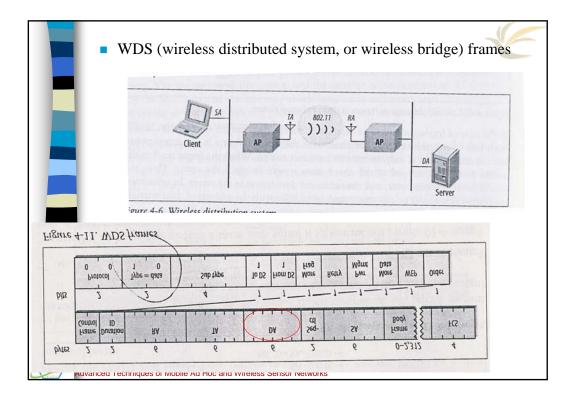






| | | | the AP: | | | | | | | |
|-------|---|--|--|---------------------------|-------------------------------|------------------|----------------------|-------------------|----------|---|
| bytes | 2 2 Frame Duration Control ID | 6 DA/RA | TA (BSSID) | 6 SA | | 2 Seq- cti | 0-2 Frame Body | 2,312 | | 4 FCS |
| bits | 2 Protocol 0 0 | 2 Type=data 0 1 | 4 Sub type | 1 1 ToDS FromDS 0 1 | 1 More Frag | — 1 — Retry | - 1 | 1 More Data | 1 WEP | 1 Order |
| | ni yinama Carabish Silin Urig Karabish Karabish | aslwards States H Antistas States h | - 0000: Data - 1000: Data + CF - ACK - 0100: Data + CF - Poll - 1100: Data + CF - ACK + - 1010: CF - ACK - 0110: CF - Poll - 1110: CF - ACK + CF - Pol | | tard al al alun alun | | | | | net sa initiation i at su initia si initia si |

| | 12 | 0-2,312 | 2 | 6 | 6 | 6 | 2 2 | bytes |
|-------|-----|-----------------------|-------------|-----------------------------|----------|------------------|------------------------------|-------|
| FCS | | Frame Body | Seq- cti | DA | SA/TA | RA (BSSID) | Frame Duration Control ID | |
| 1 | 11_ | _11_ | _1 | 1-1-1- | 4 | 2 | 2 | bits |
| Order | | Pwr More Mgmt Data | | DS From DS More 1 0 Frag | Sub type | Type=data 0 1 | Protocol 0 0 | |
| | ata | | N | 1 0 Frag | 1 1 1 | Type=data | | bits |



| | Control Frames | | | | | | | | | | |
|---|---|------|--|--|------|--|--|--|--|--|--|
| | RTS Fran | ne | | | | | | | | | |
| < | MAC Header | r —— | | | < м. | | | | | | |
| Frame Control | DurationRATAFCSFrame ControlDurationRA | | | | | | | | | | |
| | RTS (request-to-send) Frame RA: the addr. of the STA that is the intended immediate recipient of the pending directed data or management frame | | | | | | | | | | |
| | TA: the addr. of the STA transmitting the RTS frame | | | | | | | | | | |
| | Duration: T(pkt.) + T(CTS) + T(ACK) + 3 * SIFS | | | | | | | | | | |
| CTS (clear-to-send) Frame | | | | | | | | | | | |
| RA: is taken from the TA field of the RTS frame. | | | | | | | | | | | |
| Duration: T(pkt.) + T(ACK) + 2 * SIFS | | | | | | | | | | | |
| Advanced Techniques of Mobile Ad Hoc and Wireless Sensor Networks | | | | | | | | | | | |

