Residential

BSS

N

P2P

STA

AP

Enterprise

STA

AP

ESS

Cloud server

Edge server

IEEE 802.11 Mechanisms

→ Report to the edge/cloud (802.11u)

→ Report to the AP (802.11v)

→ Inter-AP communication (802.11f/r/u)

→ Return configuration (802.11k/u/v)

⇢ Sense the environment (802.11k)

↔ P2P communication (Wi-Fi direct)