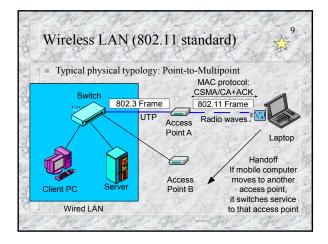


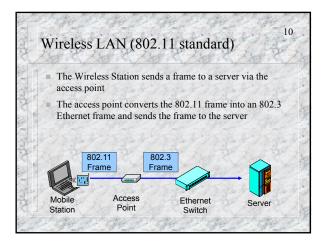


13	EE 802.1 inally licensed		14-23	all and an a	Contra 1	
1. J. M.M.		802.11b	802.11a	802.11g	802.11n ³	
Unlicensed Band		2.4 GHz	5 GHz	2.4 GHz	2.4 GHz or 5 GHz	
Rated Speed		≤11 Mbps	\leq 54 Mbps	\leq 54 Mbps	\leq 250 Mbps	
Range (Indoor/Outdoor)		35m/100m	25m/75m	25m/75m	50m/125m	
# of channels		3	12	12	14	
Infi Frequency Spectrum	nity 802.11b WLAN: 2.4 GHz-2.5 GHz			Service I	* Under development Service bands divided into channels	
	AM Radio service band: 535 kHz-1705 kHz			AM radio channels have a 10KHz bandwidth FM radio channels: 200KHz bandwidth		

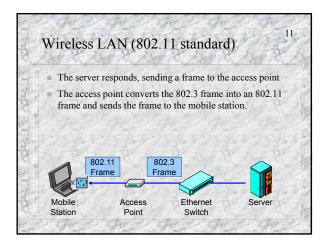


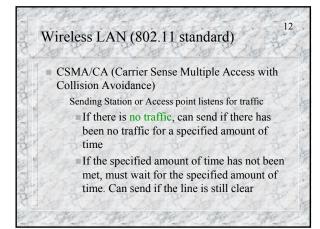


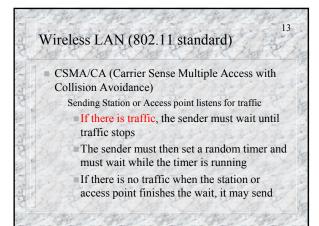


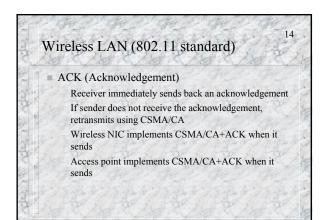


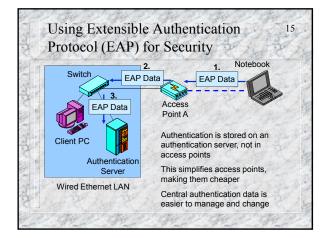




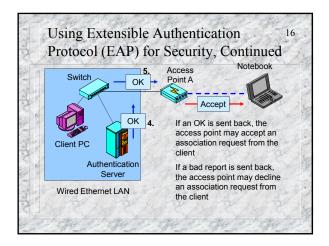














S	at the thread the thread
	a) Wireless transmission can experience propagation problems due to shadow zones and multipath interference. Explain.
	b) Describe the elements in a typical 802.11 Wireless LAN.
	c) What does handoff refer to?
	d) Explain how attenuation occurs in wireless communications: Inverse square law.

