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			Cisco.com	
		Direct Sequence	Frequency Hopping	
	Pros	Faster—Up to 11 Mbps Greater Range	Multipath Resistant*	
	Cons		Slower—2 Mbps max. Limited Range	
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			,	Cisco.com
	802.11b	802.11b	802.11g	802.11a
Ratified	1999	1999	2003	1999
Data Rates (Mbps)	1,2	1,2,5.5,11	1,2,5.5,11 and 6,9,12,18,24, 36,48,54	6,9,12,18,24, 36,48,54
Number of Non- overlapping Channels	Frequency Hopping	3	3	8 Indoors/ 4 Outdoors (Excluding Bridging)
Frequency Range (GHz)	2.402–2.483 5.15–5. 5.47–5.7			5.15–5.35, 5.47–5.725*
Status	Obsolete	Worldwide	e Available	Limited Worldwide Availability

























































WLAN "Alphabet Soup": IEEE 802.11 Standards and Activities					
Standards	Cisco.com				
Stanuarus	Wireless I AN MAC and PHY Specifications				
002.11-1 <del>333</del>	FOUR up to 54Mbps				
002.11a.					
802.11b:	2.4GHz, up to 11Mbps				
802.110:	Multiple Regulatory Domains				
802.11g:	2.4GHz, up to 54Mbps				
802.11F:	Inter-Access Point Protocol (IAPP) (Best Practices Recommendation)				
802.11h:	Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC)				
Task Group	os (TG)				
802.11e	Quality of Service (QoS)				
802.11i:	Security				
802.11j:	Japan 5GHz Channels (4.9–5.1 GHz)				
802.11k:	Radio Resource Measurement (RRM)				
802.11m:	Maintenance				
802.11n:	High Throughput (HT)				
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		Cisco.con	
Group	VLAN	Security Solution	Network Access
Staff (Cisco Clients)	1	Cisco LEAP	Full
Students (Cisco Clients)	2	Cisco LEAP	Full Student Network
Students (Multi-Vendor Clients)	3	Static WEP/VPN	Limited/Full Student Network
Public Access	4	None	Internet Only













