

Q9. Explain the concept of Fast BSS Transition (802.11r) and its benefit in mobile environments.

Reduces handoff time by pre-authenticating with target APs before roaming.

Key is generated and shared in advance.

Seamless transitions (<50 ms), crucial for voice, video, and real-time traffic.

Q10. How do 802.11k/v/r work together to provide seamless roaming in enterprise networks?

Standard	Function	Role in Roaming
802.11k	Provides neighboring AP info	Helps the device scan efficiently
802.11v	Suggests best AP	Enables AP-assisted handoff decisions
802.11r	Fast re-authentication	Reduces delay during AP switch