

Agenda

Dag 1

Rubrik	Beskrivning
Introduction to WLAN Standards	FCC, ETSI, IEEE Wi-Fi Alliance standards
Radio Frequency (RF) Fundamentals	RF Propagation, modulation, coding, channels
Antennas	Types, Polarization, gain, connectors

Dag 2

Rubrik	Beskrivning
RF Math	Units, mWatt, dBm, dBi, Link budgets
RF Regulatory Domains	ITU, Power levels, Frequency bands
Wireless LAN Operation	Wlan hardware, Architectures, Management Systems
PoE Power over Ethernet	PD and PSE, Midspan, Injectors', 802,1

Dag 3

Rubrik	Beskrivning
802.11 Service Sets	Authentication and association, Roaming, Load Balancing
DCH, HCF	Coordinating Frame Transmissions
Basic WLAN Analysis	Frame, Types, PowerSaving, Transmission rates

Dag 4

Rubrik	Beskrivning
802.11 MACs - PHYs	802.11n-HT, 802,11ac-VHT
Site Survey Fundamentals	Types of Surveys, Spectrum Analysis

Dag 5

Rubrik	Beskrivning
Basic Security	Security Policies, Security Mechanisms, WPZx, 802.1x,WIDS
Modern Challenges	BYOD, Guest Access, High Density Wireless