



ECSE Troubleshooting Course Agenda

	Day 1	Day 2	Day 3	Day 4
9:00 - 10:30	• Introductions • Ekahau Connect & Product Family • 3 Steps to Great Wi-Fi • Design Requirements • Troubleshooting Overview	• Protocol Analysis • Ekahau Capture Setup	• Roaming • LAB: Roaming Analysis	• Ekahau Insights • Spectrum Analysis
10:30 - 10:45	Break			
10:45 - 12:30	• OSI Model / PHYs • Assessment Survey • Interpreting Survey Results (Demo) • Rules for successful surveys • RSSI and device offsets	• Encapsulation and PHY Layer • MAC Frame Format	• Connection Process • Wi-Fi Operations	• Spectrum Analysis • Spectrum Analysis (Demo)
12:30 - 13:15	Lunch			
13:15 - 15:00	• Interpreting Secondary Coverage (Demo) • SNR Assessment • Frequency Bands / Channels • Channel Assessment (Demo)	• WLAN Discovery • LAB: Beacon Analysis	• WLAN Assessment	• ECSE Troubleshooting Exam Review • ECSE Troubleshooting Exam
15:00 - 15:15	Break			
15:15 - 17:00	• Capacity • Capacity Assessment (Demo) • Survey Assessment Checklist • LAB: Survey Assessment	• WLAN Association and Security • LAB: Client Connectivity	• LAB: Analyzer Troubleshooting	