



# ECSE Troubleshooting Course Agenda

	Day 1	Day 2	Day 3	Day 4
9:00 - 10:30	<ul style="list-style-type: none"> <li>• Introductions</li> <li>• Ekahau Connect &amp; Product Family</li> <li>• 3 Steps to Great Wi-Fi</li> <li>• Design Requirements</li> <li>• Troubleshooting Overview</li> </ul>	<ul style="list-style-type: none"> <li>• Protocol Analysis</li> <li>• Ekahau Capture Setup</li> </ul>	<ul style="list-style-type: none"> <li>• Roaming</li> <li>• LAB: Roaming Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Ekahau Insights</li> <li>• Spectrum Analysis</li> </ul>
10:30 - 10:45	<b>Break</b>			
10:45 - 12:30	<ul style="list-style-type: none"> <li>• OSI Model / PHYs</li> <li>• Assessment Survey</li> <li>• Interpreting Survey Results (Demo)</li> <li>• Rules for successful surveys</li> <li>• RSSI and device offsets</li> </ul>	<ul style="list-style-type: none"> <li>• Encapsulation and PHY Layer</li> <li>• MAC Frame Format</li> </ul>	<ul style="list-style-type: none"> <li>• Connection Process</li> <li>• Wi-Fi Operations</li> </ul>	<ul style="list-style-type: none"> <li>• Spectrum Analysis</li> <li>• Spectrum Analysis (Demo)</li> </ul>
12:30 - 13:15	<b>Lunch</b>			
13:15 - 15:00	<ul style="list-style-type: none"> <li>• Interpreting Secondary Coverage (Demo)</li> <li>• SNR Assessment</li> <li>• Frequency Bands / Channels</li> <li>• Channel Assessment (Demo)</li> </ul>	<ul style="list-style-type: none"> <li>• WLAN Discovery</li> <li>• LAB: Beacon Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• WLAN Assessment</li> </ul>	<ul style="list-style-type: none"> <li>• ECSE Troubleshooting Exam Review</li> <li>• ECSE Troubleshooting Exam</li> </ul>
15:00 - 15:15	<b>Break</b>			
15:15 - 17:00	<ul style="list-style-type: none"> <li>• Capacity</li> <li>• Capacity Assessment (Demo)</li> <li>• Survey Assessment Checklist</li> <li>• LAB: Survey Assessment</li> </ul>	<ul style="list-style-type: none"> <li>• WLAN Association and Security</li> <li>• LAB: Client Connectivity</li> </ul>	<ul style="list-style-type: none"> <li>• LAB: Analyzer Troubleshooting</li> </ul>	