

# Content of the LANCOM WLAN Video Training

**This video training enables participants to plan, install and operate secure, efficient networks that work with the latest standards and technologies.**

Based on current standards (including 802.11n) and technologies (including Smart Controllers) the workshop deals with theoretical planning of network coverage and installation in indoor and outdoor environments. Practical planning will be carried out with the help of appropriate software. Also covered is RADIUS authentication with 802.1x and linking-up to an existing authentication solution (i.e. MS Active Directory).

Smart Controller technology is suitable for establishing larger-scale structured networks, with centralized administration where appropriate. We will cover the planning and installation of a controller-based network, including VLAN-based scenarios. The installation and the management of a public spot solution is also considered.

Especially relevant to outdoor installations are the positioning and alignment of antennas. Issues considered include antenna alignment and setting up point-to-point links as well as a look upon the lightning protection for antenna installations.

## Subject overview

Theory:	Demonstration:
<ul style="list-style-type: none"> <li>▪ IEEE 802.11...: The WLAN standards</li> <li>▪ WLAN security</li> <li>▪ WLANmonitor and rogue AP detection</li> <li>▪ LANCOM WLAN Controller</li> <li>▪ WLAN planning with specialized software</li> <li>▪ Antenna installations requirements and output power calculation</li> <li>▪ LANCOM Public Spot</li> </ul>	<ul style="list-style-type: none"> <li>▪ Client connection</li> <li>▪ WLC - Controller-based network</li> <li>▪ Public WLAN</li> <li>▪ WLAN bridge connections</li> </ul>

The wireless LAN training course is divided into a number of sections grouped into two blocks – one theoretical, one practical – which participants can work through on their own. At the end of each block there is the option to arrange an appointment with our Training Center and ask questions on the subject areas covered by the first or second blocks.

## Requirements

Prerequisites are good knowledge of the basics of WLAN and networking, and also good knowledge of LANCOM's utilities.

## Certification

Participants will have the opportunity to take an online certification that consists of theoretical and practical components. The examination as a LANCOM Certified Specialist can generally be booked separately. You will find more information [here](#).

**Cost: EUR 350.00 plus VAT**

Date: 31/05/2011