

# Course : Designing Cisco Enterprise Wireless Network (ENWLSD) v2.0

Official course, exam preparation 300-425 ENWLSD

**Practical course - 5d - 35h00 - Ref. RNM**

**Price : 4100 € E.T.**

With this training course, you'll discover the essential concepts for designing advanced wireless architectures with Cisco solutions. You'll cover every step, from design to deployment, right through to post-installation validation.

## **Teaching objectives**

At the end of the training, the participant will be able to:

- ✓ Describe the structured wireless design methodology recommended by Cisco
- ✓ Describe the design process for a wireless network
- ✓ Describe and implement designs for specific wireless applications
- ✓ Describe and implement designs for specific vertical sectors
- ✓ Describe and implement bridge and mesh designs for wireless networks
- ✓ Describe Cisco mobility, roaming and Work Group Bridges
- ✓ Describe and implement Cisco's advanced wireless features
- ✓ Décrire les considérations particulières dans les conceptions sans fil avancées
- ✓ Describe survey site processes
- ✓ Describe and implement wireless network validation processes

## **Intended audience**

Network, systems or wireless engineers, consultants, technical architects, administrators, Wi-Fi designers and network managers.

## **Prerequisites**

General knowledge of networks, wireless networks, routing and switching recommended.

### **PARTICIPANTS**

Network, systems or wireless engineers, consultants, technical architects, administrators, Wi-Fi designers and network managers.

### **PREREQUISITES**

General knowledge of networks, wireless networks, routing and switching recommended.

### **TRAINER QUALIFICATIONS**

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

### **ASSESSMENT TERMS**

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## Practical details

### Teaching methods

Certification in French (or English on request). Official course material in English.

### Course schedule

#### 1 Official program

- Structured wireless design methodology.
- Wireless industry protocols and standards.
- The science of wireless technology.
- Advanced wireless features from Cisco.
- Cisco mobility and roaming.
- Wireless design process.
- Design wireless networks for specific applications.
- Design wireless networks for specific vertical sectors.
- Bridging and meshing in wireless networks.
- Special considerations in advanced wireless designs.
- Cisco CMX and Cisco Spaces.
- Site survey process.
- Design wireless networks using third-party tools.
- Wireless network validation process.
- Finalization of the wireless design project.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

#### 2 Official practical work

- Examine the fundamentals of predictive planning with Ekahau Site Survey.
- Create a survey site report.
- Design a data network in an enterprise environment.
- Design a voice and data network in a healthcare environment.
- Adapt a data network design to integrate voice.
- Design a voice and data network in a warehouse with directional antennas.
- Analyze a survey site live with Ekahau tools.
- Simulate network validation after installation.
- Analyze Layer 1 data.

## Options

### Certification : 350 € HT

To obtain Cisco Certified Network Professional Enterprise (CCNP Enterprise) certification, you need to pass exam 350-401 ENCOR and one of the following exams (your choice): 300-410 ENARSI, 300-415 ENSDWI, 300-420 ENSLD, 300-425 ENWLSD, 300-430 ENWLSI, 300-440 ENCC, 300-445 ENNA.

### [Comment passer votre examen ?](#)

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.