



## VCX-IP Maintainer Course

(Level 0&1)

<b>Target group</b> Maintainers and system administrators	<b>Location</b> Customer site or Frequentis TEC (Vienna)
<b>Language</b> English (unless otherwise agreed)	<b>Max. number of participants</b> 6
<b>Duration</b> 3 days	<b>Course ID</b> AN0310

Participants will, through extensive practical exercises, learn how to perform scheduled and corrective system maintenance for VCX-IP up to level 1.

### Course goals

Upon successful completion of this course, participants will be able to

- › understand the capabilities of the system
- › identify and describe the system components and their functions
- › add and modify A/G, G/G and data functions with their corresponding services
- › identify and rectify faults
- › replace line replaceable units (LRUs) and put them back into service

### Knowledge

It is assumed that participants

- › have a good understanding of written and spoken English
- › have extensive ATC domain know-how
- › have extensive knowledge of air traffic control networks and telecommunication basics
- › have a good understanding of IP LAN & IP WAN infrastructure (L2, L3 switches, routers & firewalls)
- › have a basic understanding of servers and virtualisation of applications
- › have expert knowledge of line characteristics/protocols of radio, telephone & data line interfaces in use
- › have basic knowledge of VoIP (SIP, RTP, QoS)

- › have extensive knowledge and skills of umbrella management
- › have expert knowledge and skills of system monitoring and how to derive priorities of incidents

## Qualifications

The following qualifications are necessary:

- › English language level (CEFR): minimum B2
- › Cisco CCNA certification or equivalent experience and/or 3 years' engineering experience in IT and networking environments.

## Training agenda

Day 1	Welcome   Health and safety   Course documentation overview   Introduction to the working environment   System architecture and services   System monitoring   Conclusion
Day 2	Review   Maintenance procedures   System administration   Conclusion
Day 3	Case studies and best practices (instructor guided)   Summary and review   Student assessment   Assessment feedback   Student feedback   Student certification   Course closure

