



iSecCOM Maintainer Course

(Level 0,1&2)

Target group Maintainers and system administrators	Location Customer site or Frequentis TEC (Vienna)
Language English (unless otherwise agreed)	Max. number of participants 6
Duration 5 days	Course ID DE0330

Participants will, through extensive practical exercises, learn how to perform scheduled and corrective system maintenance for iSecCOM up to level 2.

Course goals

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

- › understand the system capabilities of iSecCOM
- › identify and describe the system components and their functions
- › use standard and project-specific functions for radio and telephone communication
- › identify and rectify faults
- › replace line replaceable units (LRUs) and put them back into service
- › maintain the radio and telephone directory
- › adapt layouts and settings of operator positions
- › perform system administration tasks
- › set system parameters
- › run backup and restore procedures
- › optional: use the radio management system (RMS)

Knowledge

It is assumed that participants

- › have a good understanding of written and spoken English
- › have extensive knowledge of military ATC and/or C2 and telecommunication basics

- › have a good understanding of IP LAN & IP WAN infrastructure (L2, L3 switches, routers & firewalls)
- › are able to configure switches, routers and firewalls in command-line mode
- › have a good understanding of servers, virtualisation of applications and RAID configuration
- › have extensive knowledge of Oracle databases and Java
- › have extensive knowledge of line characteristics/protocols of the radio & tel. line interfaces in use
- › have experience with Linux OS
- › have good knowledge of VoIP (SIP, RTP, QoS)

Qualifications

The following qualifications are necessary:

- › English language level (CEFR): minimum B2
- › Cisco CCNA certification or equivalent experience and/or 5 years' engineering experience in IT and networking environments
- › Red Hat Cert. System Admin. (RHCSA) or Linux Foundation Cert. Engineer (LFCE) or equivalent experience
- › Certified IP Telecom Network Specialist (CIPTS) certification or equivalent experience
- › Certified Telecommunications Analyst (CTA) certification or equivalent experience
- › VMware Certified Associate (VCA) or equivalent experience

Training agenda

Day 1	Welcome Health and safety Course documentation overview Introduction to the working environment System architecture and services OP overview OP hands-on practice System monitoring Conclusion
Day 2	Review Maintenance procedures System administration Conclusion
Day 3	Review System administration (cont.) Inspection processes and troubleshooting Conclusion
Day 4	Review Inspection processes and troubleshooting (cont.) Conclusion
Day 5	Case studies and best practices (instructor guided) Summary and review Student assessment Assessment feedback Student feedback Student certification Course closure

