ATSEP Q Communications



Course aim

The ATSEP Communications course is designed for technicians and engineers who need to understand the infrastructure used in Air Traffic Management (ATM) for communication regarding both Air/Ground and Ground/Ground. It gives them the knowledge and skills needed for operating and maintaining communication equipment to support the complete ATM system. It also prepares them for System Equipment Rating Training, which is the next step in becoming an ATSEP.

Ways of learning

Entry Point North offers four delivery formats. Learners have 90 days' access to the course content.

Online On Demand
Online On Demand is a self-paced course format that gives learners access to the ATSEP platform at any time. Learners can revisit content as needed and use AI-driven guidance while working through the course at their own pace.

Certification is issued automatically upon completion.

Online Live Guidance
Online Live Guidance combines online learning with scheduled instructor-led sessions led by experienced ATSEP professionals.

During the live sessions, learners explore key topics, discuss real-world examples, ask questions and exchange knowledge with instructors and other participants. Some courses also include optional open sessions for additional questions and discussion.

ATSEP COM: 4 instructor-led sessions are scheduled during the course.

Certification is issued automatically upon completion.

Hybrid
Hybrid combines the ATSEP platform with instructor-led classroom training. Digital content, AI-driven

guidance and interactive activities are used alongside classroom discussions, collaboration and practical exercises.

Onsite
Onsite training brings the ATSEP course content into an instructor-led, face-to-face setting. Experienced ATSEP professionals guide learners through the material using discussions, real-world examples, collaboration and practical exercises.

Onsite training is available upon request and can be delivered at the customer's premises or at any Entry Point North training site.

What you will learn

Voice (COM-VCE)
Air/ground: transmission/reception, radio antenna systems, voice switch, controller working position, and radio interface.
Ground/ground: interfaces, protocols, switch, communication chain, and controller working position.

Data (COM-DAT)
Introduction to networks: types, networks, external network services, and measuring tools.
Protocols: fundamental theory and general protocols.
National networks.
European networks: network technologies.
Global networks: networks and standards, description, global architecture, air/ground sub-network, ground/ground sub-networks, networks on board of the aircraft, and air/ground applications.

Transmission Path (COM-TRP)
Lines: lines theory, digital transmission, and types of lines.
Specific links: microwave link and satellite.

Recorders (COM-REC)
Legal recorders: international and national regulations and principles.

Operating Systems (DPR-PRC)
Operating systems: relevant operating system commands.

Prerequisites

To become an ATSEP, learners need to complete the ATSEP Basic course, the ATSEP Shared course, and at least one ATSEP Qualification course. This Initial Training can be completed in two different orders:

- ATSEP Basic > ATSEP Shared > ATSEP Qualification, or
- ATSEP Basic > ATSEP Qualification > ATSEP Shared

This means that the only prerequisite for starting this Qualification course is to have completed the ATSEP Basic course. However, to become an ATSEP, learners will need to either complete an ATSEP Shared course before taking the Qualification course, or complete an ATSEP Shared course after they completed the Qualification course.

Compliance with regulations

- Commission Regulation (EU) 2017/373 Annex XIII, subpart A.
- EASA ANNEX XIII – Part-PERS requirements for service providers concerning personnel training and competence assessment Subpart A – Air Traffic Safety Electronic Personnel. Appendix 4a Streams, Stream Communication – Voice and Stream Communication – Data.

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