

ATSEP QUALIFICATION DATA PROCESSING

The ATSEP Qualification Data Processing Training course is designed to impart the domain related knowledge and skills appropriate to the qualification stream in data processing in the CNS/ATM environment.



Introduction

Skyguide delivers the ATSEP Qualification Data Processing (QUAL DAT) Training course at its modern training center premises located in Wangen near Zurich. The skyguide training center is certified as a training organization in accordance with the European Commission Regulations, and offers a wide range of ATM/ ANS training products. The highly qualified and professional instructor with international operational and pedagogical experience, in combination with the most modern and state-of-the-art training equipment enhances the participants training experience. The QUAL DAT Training course content is in line with the EUROCONTROL Specifications for the ATSEP Initial Training and is compliant with the European Commission Regulation 'EU CR 2017/373'. The course is strongly focusing on the operational environment.

Attendees

The QUAL DAT Training course is designed for ATSEP employees, technicians and engineers from ANSPs, the technical industry, Civil Aviation Authorities and National Supervisory Agencies, working on operational and safety related data processing systems and equipment.

Pre-requisites

In order to successfully complete the course and pass the final exam, an adequate English level (KET and higher) and a technical background or education is required. The successful pass of the Basic course is eligible.



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Method

The course consists of classroom lessons using modern learning methods and tools, practical exercises and in-house and field visits to equipment, installations and systems used for the provision of Air Traffic Services.

Course Structure and Design

The course is designed in a modular form, which supports best the learning process and progress of the participants. The course is conducted in English.

Week1: Data Communication & Surveillance

Introduction to Networks, Network Protocols and National Networks. Use of Primary and Secondary Radar in ATS, Introduction to Mode S, MLAT Principles, ATCO HMI, Technology and Protocols.

Week2: Data Processing

Functional Safety: Software Integrity and Security, Safety Attitude. DP Systems: User Requirements, System Components. Process: Software Process, Hardware Platform, Software Testing, Data Essential Features, ATM-Data - D Structure.

Duration

The ATSEP Qualification Data Processing Training course has a duration of 10 working days. The course ends with a final examination covering all subjects out of the corresponding modules. The examination is a computer-based exam with mostly multiple-choice questions in taxonomy level 1 to 4 as defined by EUROCONTROL.

Course Confirmation

Each successful participant is awarded a certificate in 'ATSEP Qualification Data Processing'.

Your Benefits

Longtime experience in teaching ATSEP courses and extensive technical expertise
Course according to European Regulations and EUROCONTROL Specification
Practical skills, processes and tools for maximum implementation
Support materials for review and reinforcement after the course
State-of-the-art training infrastructure, CBT and e-learning/ practical tools



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