

ATSEP QUALIFICATION, SUR-ADS

Air Traffic Safety Electronics Personnel



Course aim

The course is designed to impart domain-related knowledge and skills appropriate to the SUR-ADS qualification stream.

Course objectives

After completion of the course, participants have:

- Knowledge and understanding of the subjects described below (see Content in brief) in accordance with the EASA ANNEX XIII - Part-PERS requirements for service providers concerning personnel training and competence assessment Subpart A - Air Traffic Safety Electronic Personnel.
- Knowledge and understanding of the importance of teamwork.

Course overview

The duration of the course is three days. The competency-based training consists of theoretical lessons and is delivered by professional international instructors. The theory comprises individual topics covering various aspects of operating and maintaining SUR equipment.

Prerequisites

ATSEP Basic.

Compliance with regulations

The course is compliant with Commission Implementing Regulation (EU) 2017/373 Annex XIII, subpart A.

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Content in brief

ADS (SUR-ADS)

GENERAL VIEW ON ADS

Describe the basic characteristics of ADS.

ADS-B

Explain, describe, define and analyse Introduction to ADS-B, technique of ADS-B, VDL Mode4 (STDMA), Mode S Extended Squitter, UAT, ASTERIX.

ADS-C

Explain, describe, define and analyse introduction to ADS-C, technique of ADS-C.

HMI (SUR-HMI)

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HMI

Explain, describe, define and analyse ATCO HMI, ATSEP HMI, pilot HMI, displays.

Surveillance Data Transmission (SUR-SDT)

SURVEILLANCE DATA TRANSMISSION

Explain, describe, define and analyse technology and protocols, verification methods.

Functional Safety (SUR-FST)

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SAFETY ATTITUDE

State the ATSEP role in safety management routines.

FUNCTIONAL SAFETY

Describe the impact of functional failures in SUR systems.

From qualification Data Processing: Data Processing Systems

SURVEILLANCE DATA PROCESSING SYSTEMS

Explain, describe, define and analyse surveillance data processing systems.

Photo: Entry Point North, Jörn Andre Andersen