

ADV & ADI RATING

Aerodrome Control Visual and Aerodrome Control Instrument Rating



Course aim

The course is designed to impart knowledge and skills to students that are necessary for them to receive a student air traffic controller license for "Aerodrome Control Visual" (ADV+ADI(TWR)) and "Aerodrome Control Instrument" ratings. The course also covers the following endorsements: Tower Control (TWR), Aerodrome Radar Control (RAD), Air Control (AIR) and Ground Movement Control (GMC). Ground Movement Surveillance (GMS) can also be added as an additional course.

Course objectives

After completion of the course, the student:

- Has knowledge, skills and understanding in accordance with the training objectives outlined briefly on the following page
- Has skills to perform safely and according to rules and regulations, providing orderly and expeditious aerodrome control service in an aerodrome environment
- Shows good ability to work in a team

Course overview

Theory

The training is divided into five parts, all with a different focus (see Content in brief).

Theoretical events will be followed by practical applications in a classroom and in a simulator. The theoretical part of the course consists of new subjects as well as reviews and enhancements of subjects from the Basic ATC course related to aerodrome control services such as meteorology, navigation, aircraft and aerodromes.

Human factors, airspace C and D, system degradation and multiple runways are included in all parts of the course.

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Simulator training

The simulator training is conducted in a 3D tower simulator and consists of at least 40 evaluated individual exercises as well as exercises in a small system. The airspace/aerodrome is generic and simulates traffic in an aerodrome environment, with one active airport and single and crossing runway operations and radar service.

Prerequisites

Approved results from the Basic ATC course taken at Entry Point North or another EU-recognised training facility.

Compliance with regulations

- The course is compliant with Commission Regulation (EU) 2015/340 and EUROCONTROL Common Core Content Edition 2.0.
- The course is approved by the Swedish CAA.
- Entry Point North academy is certified as a Training Organization according to European Regulations by the Swedish CAA.

Content in brief

Course description in brief

- Theory
- Theory - Practical training
- Simulator exercises
- Miscellaneous
- Assessment

Part 1

Acquire knowledge of aerodrome layout, departure information/clearance, departure separations, handling of ground movements, go around and equipment failure.

In a 3D tower simulator: 2 trained positions, AD1 (evaluated) and Approach Radar (not evaluated)

Part 2

Train arrival and departure information/clearance regarding VFR and IFR traffic, departure separation, spacing on final, closed taxiways, visual circling, runway change and restricted areas.

In a 3D tower simulator: 2 trained positions, AD1 (evaluated) and AD2/ Approach Radar (not evaluated)

Part 3

Train arrival and departure information/clearance regarding VFR traffic, crossing VFR, VFR touch-and-go operations, SVFR operations, equipment failure and runway change.

In a 3D tower simulator: 2 trained positions, AD1 (evaluated) and AD2/ Approach Radar (not evaluated)

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Part 4

Train arrival and departure information/clearance regarding a mixture of IFR and VFR traffic with multiple runways, reduced runway separation, hospital flights, equipment failure, aborted take-off and cooperation between air and ground positions.

In a 3D tower simulator: 2 trained positions, AD1 (evaluated) and AD2 (evaluated)

Part 5

Train cooperation between air and ground positions including unusual and emergency situations regarding IFR and VFR traffic, runway incursion, sigmet's, opposite landings, bird strike, emergency landings, com-failure and low visibility operations.

In a 3D tower simulator: 2 trained positions, AD1 (evaluated) and AD2 (evaluated)