

AREA CONTROL WITH RADAR, ICAO 054



Course aim

The course is designed to impart knowledge and skills to student air traffic controllers that are necessary for them to receive a student certificate of competency for ICAO Area Control rating with Surveillance equipment (Radar).

Course objectives

After completion of training, the student controller will be able to perform within a team as an ACS controller in the airspace defined for simulations, whilst providing air traffic services to approx. 35 aircraft/hour, in a modern non-strip area control environment. The provision of the service will be executed in compliance with relevant rules, procedures and working methods in accordance with the objectives in the training plan.

Course overview

The majority of the time is spent on practical training in an ATC simulator supported by theoretical topics in the classroom.

Divided into two phases, the course starts with focusing on learning the airspace and the procedures used in the simulated environment. The individual skills of the ACS controller such as vectoring and sequencing are also practiced. During the second phase, the traffic rates and the complexity are increased. More elements are added, such as, Mach number technique and turbulence. Towards the end, the basics of managing unusual occurrences are introduced.

During the course, the emphasis is on simulator training. By the end of the course, the students will have performed a total of 50 hours in the radar simulator in a non-strip environment.

Prerequisites

- English language proficiency (minimum ICAO level 4).
- Approved results from Air Traffic Control Assistant/ Basic Induction course ICAO 051 at Entry Point North or another training facility.

Compliance with regulations

- The course is compliant with ICAO standards and recommended practices.
- Entry Point North training academy is certified by the Swedish CAA.

AREA CONTROL WITH RADAR, ICAO 054

Content in brief

The course introduces the student to radar techniques in area control, taking into account aircraft performance at medium/high altitudes and at high speeds and the navigational ability in the en-route phase of flight.

Application of all the different radar techniques, as described in the training event objectives.

The student will perform as an ACS (radar) controller and correctly apply relevant rules, agreed procedures and working methods in for a non-strip environment.

Procedures and methods used in the detection of potential entry- and exit- conflicts, system inputs, establishment of exit conditions and the making of appropriate co-ordinations with subjacent/adjacent units i.e. issuance of the appropriate ATC clearances for departing aircraft are trained.

The students shall acquire, decode and make proper use of meteorological information relevant to the provision of air traffic services.

Unusual occurrences

Application of managing air traffic in unusual/emergency situations and integration of system degradation procedures in the management of air traffic.

Capacity training

Application of building up an ability to handle more and more traffic as well as to handle new situations by employing a range of different solutions.

The objective is to be able to carry out the duties as an ACS controller for approx. 35 aircraft/hour in the simulated airspace.