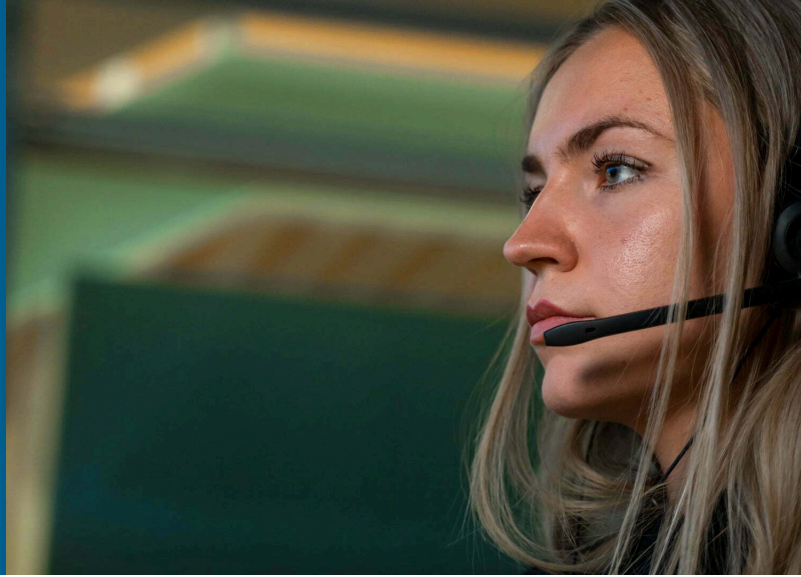


Approach Control With Radar, ICAO 054



Course aim

This course gives students from non-European Air Navigation Service Providers the knowledge and skills they need to work as Air Traffic Controllers in an Approach Control Surveillance environment. The course can also serve as further Rating training for Air Traffic Controllers who have been active for several years. Students who pass the course may apply for an ICAO Approach Control with Radar Student Air Traffic Controller Licence.

After completion of this course, the students:

- Have knowledge and understanding in accordance with the topics and sub-topics detailed in ICAO Annex 1.
- Have skills to perform Approach Control Radar Service in an approach control environment safely, expeditiously, orderly, and according to rules and regulations.
- Have knowledge of the importance of teamwork and of human factors related issues that can affect personal and team performance.

Course structure

The standard course is 8-9 weeks in duration. If it is the first course that the students take after the Air Traffic Control Assistant/Basic Induction, ICAO 051 course, they need one week of simulator introduction.

The first week of this course focuses on theoretical knowledge and team-building activities. After the theoretical part, the students apply their knowledge in the practical simulator training.

Theoretical training

We deliver the theoretical part of the course through a blend of classroom training, group work, and discussions. Throughout the course, eLearning elements allow a flexible learning environment as students can participate in these lessons online. During the theoretical training, the students develop teamwork skills that help them perform in the practical training in the simulator.

Simulator training

The practical simulator training is divided into phases, to allow the students to slowly develop their skills. Students first master individual skills for topics mentioned under 'Content in Brief', after which we gradually introduce exercises with more complex situations, more traffic, and new elements (such as unusual and emergency events).

APPROACH CONTROL WITH RADAR, ICAO 054



Content in brief

The course covers topics such as, but not limited to:

- Rules and methods for radar vectoring, sequencing, separations, phraseology, and coordinations used in an approach service.
- Rules and methods for handling VFR flights.
- Rules and methods for change of runway.
- Rules and methods using only primary radar.
- Rules and methods for handling of transponder failure, communication failure, ACAS, special weather phenomena, LVP.
- Methods and handling of arriving, departing, and overflying traffic in a correct, safe, and orderly way.
- Different approach methods, such as ILS, NDB, SRE, VA, and general procedures in a TMA.
- Methods for the sequencing of traffic.
- Unusual and emergency situations.

Prerequisites

Completion of our [Air Traffic Control Assistant/Basic Induction, ICAO 051 course](#), or equivalent.

Compliance with regulations

The course is compliant with ICAO standards and recommended practices.