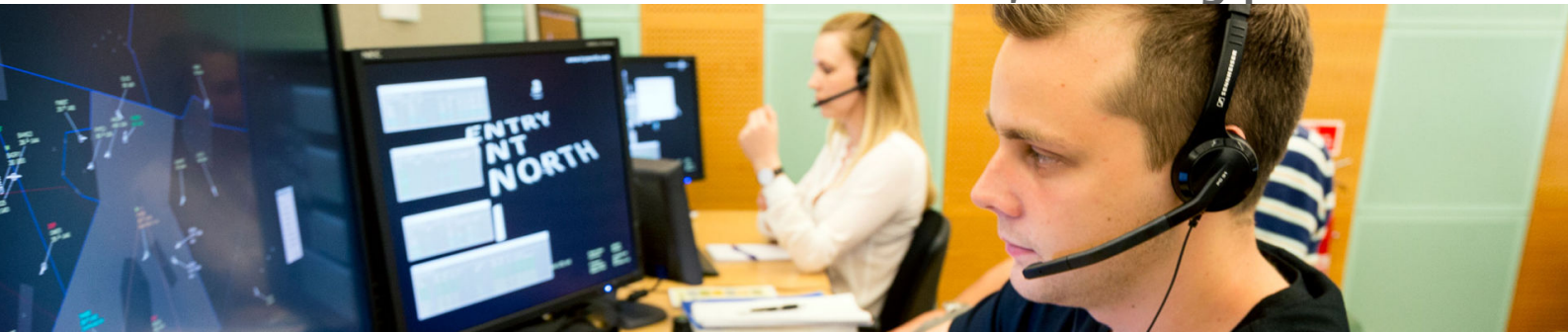


APPROACH CONTROL WITH RADAR, ICAO 054



Course aim

The course is designed to impart knowledge and skills to student air traffic controller in order to enable them to receive an student certificate of competency for ICAO Approach Control with Surveillance equipment (Radar).

Course objectives

After completion of the course, the ATC student has:

- Knowledge, skills and understanding in accordance with the course content outlined briefly below (see Content in brief).
- Have the skills to manage traffic safely and in accordance with the rules and regulations.
- The skills that enable him or her to provide an orderly and expeditious radar service in an approach and terminal control area with a workload of up to 25-28 movements per hour.
- The skills that are necessary to work in a team.

Course overview

The training is divided into two phases. Theoretical events will be followed by practical applications in a simulator.

Phase 1 - Introduction

- Introductory lessons.
- Focus on establishing correct methods in handling departing, arriving and overflying traffic in normal situations and for some special events. Training is conducted as individual exercises in a modern radar simulator.

Phase 2 - Complex approach environment

Focus on increased traffic complexity and co-operation with adjacent sectors. Some exercises cover special events/emergencies. Training is conducted in a modern radar simulator.

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.

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Compliance with regulations

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

Content in brief

Course introduction and examination procedures

- Explain the aims and objectives of the course, the management structure and outline the materials to be used.
- State the methodology and describe the assessment procedures used in the course.

Theoretical subjects followed by hands-on simulation practise

- Describe rules and methods for:
 - Radar vectoring, sequencing, separations, phraseology, strip marking and co-ordinations used in an approach service
 - Handling military flights
 - Handling VFR flights
 - Change of runway
 - Using only primary radar
 - Handling of transponder failure, communication failure, ACAS, special weather phenomena, LVP, etc
 - Traffic with priority needs
 - Holding procedures
 - Describe different approach methods e.g. ILS, NDB, VA.
 - Describe methods for working in approach control.
 - Describe procedures used following an incident/accident and show how to fill in a report.

Individual radar exercises

- Apply methods and handle arriving, departing and overflying traffic in a correct, safe and orderly way.
- Apply correct methods for the efficient sequencing of traffic.
- Apply correct co-operation methods.
- Show an understanding of methods used when handling a variety of special occurrences.

Examination

Final examination.