

ADVANCED AIRPORT FIRE-FIGHTER

International Civil Aviation Organization (ICAO) Course Number:
112

Target Group:
Firemen who have successfully completed basic airport fire fighting course .

Fees:
US \$ 2165 for tuition and training materials only

Duration:
4 weeks

OBJECTIVES

Provide participants with the theory, principles and practice of rescue and fire-fighting. Participants will acquire knowledge on application of tactical approaches and rescue techniques.

OUTLINE

Module 1: Supervisory, Fire Hazards & Safety .

- The Supervisors Responsibilities
- The Role of Supervisor in Management
- Management in the fire service
- Human Factors
- Leadership in the Fire Service
- Planning of Emergency Exercises
- Handling Uncommon Emergencies
- Hazardous Condition of Smoke.
- Safety Procedures for Military Aircraft.
- Safety Procedures for Helicopters.
- Man Made Mineral Fibres.
- Cabin Safety
- Safety on the Fire Ground
- Fire Safety Engineering
- Hazardous of Aircraft Refueling Operations

Module 2: Tactical Procedures and Methods.

- Tactical Ventilation.
- Airport Topography. (Theory & Practical)
- Airport Emergency Information.
- Application of Foam at aircraft fires
- Practical Firemanship.
- Smart Approach to Aviation Rescue & Fire Fighting Tactics
- Aircraft Construction (Fixed Wings).
- Hot Wheels, Wheel Fires.
- Aircraft Engine Fires.
- Aircraft Internal Fires.
- Fire in aircraft hangars.
- Aircraft Fire Fighting – Tactics and Techniques.

- Aircraft Cabin Evacuation System.
- Rescue of passengers from Crashed Aircraft.
- Respiratory Protection

Module 3: Gears, Rescue & Fire-fighting Exercises

- Pumps and Primers
- Small Gears
- Fire Service Ladders (Theory & Practical pitching ladders)
- Fire Fighting hose (Theory and Dutch roll practicals)
- Small Gears
- Fire Service Ladders (Theory & Practical pitching ladders)
- Fire Fighting hose (Theory and Dutch roll practicals)
- Ropes and Knots
- Personal Protective Equipment
- Movement of casualty in an Emergency (Theory &Practical)
- Visits to facilities of technical interest
- Case studies (Films, video clips)
- Fire Attack and defense methods
- Physical Education exercises

ADMISSION REQUIREMENTS

- Serving airport firemen who have successfully completed Basic Airport Fire Fighting Course and served in the field for atleast one year.
- Be certified medically and physically fit
- Be proficient in the English language

CERTIFICATION

Participants must attend at least 90% of the training in order to be eligible for the theoretical and practical assessments. A certificate will be awarded to those who have passed both practical and theoretical assessment with an average pass mark of 60% and above.

Participants are required to bring along their official uniform, as well as track suits, t-shirts and running shoes for physical training
