

BASIC AIRPORT FIRE-FIGHTER COURSE

Target Group:

Armed Forces and Airport Rescue and Fire Fighters.

Venue:

Kenya Airports Aviation Academy – Nairobi.

Tuition Fee:

US \$ 1140 per participant

Duration :

4 weeks

OBJECTIVES

To provide participants with the fundamentals of aircraft rescue and fire-fighting for both aircraft emergencies and building fires at airports through a series of classroom lectures, practical exercises and site visits. The course is designed to meet ICAO's competency requirement in aircraft rescue and fire-fighting.

OUTLINE

Module 1: Airport Topography and Building Fire-fighting Principles

- Role of Airport Rescue & Fire-fighter
- Airport Rescue & Fire-fighter Safety
- Legislation
- Basic Fire Science
- Basic Map Skills
- Airport Familiarization
- Basic Water supply
- Building Fire Behaviour
- Building Fire-fighting Strategy
- Building fire-fighting and rescue
- Fuel Farm Fires
- Liquefied petroleum gas fires
- Means of Escape
- Handling and operation of fire extinguishers
- Fire Prevention and Protection
- Extinguishing Agents and their uses.
- Practical Firemanship
- Personal Protective Equipment (PPEs)
- Fire fighting hose
- Knots and lines

Module 2: Aircraft Rescue and Fire-fighting Training

- Aircraft Familiarization
- Fire in aircraft hangars

- Application of Foam at Aircraft Fires.
- Aircraft fire-fighting strategy and techniques
- Aircraft fire extinguishing systems
- Aircraft Cabin Evacuation Systems
- Aircraft fuel systems
- Engine fire fighting
- Aircraft Undercarriage fire
- Aircraft Internal Fires
- Introduction to HAZMAT
- Aircraft Construction.
- Military Aircraft
- Helicopter Fire-fighting & Rescue
- Breathing Apparatus training
- Cockpit Voice Recorder and Flight Dater Recorder
- Fire ground Hydraulics
- Pumps and primers
- Rescue Tools and Fire-fighting equipment
- Types of ladders and safe handling

Module 3: Technical Facilities, Drills, Test and Exercises.

- Visits to facilities of technical interest
- Fire Service Standard Drills
- Individual Physical Proficiency Test (IPPT)
- Physical exercises
- Fire Fighting Exercises

ADMISSION REQUIREMENTS

- Be certified medically and physically fit
- Be proficient in the English language
- Have a minimum of KCSE C (stand) and above in secondary education or related qualifications.

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.