

## SENIOR FIRE OFFICER

**International Civil Aviation Organization (ICAO) Course Number: 113**

**Target Group:**

Serving Airport Fire Officers who have successfully passed Junior Fire Officers course and have shown initiative and ability in the management of an airport fire station.

**Fees:**

US \$ 2165 for tuition and training materials only

**Duration:**

4 weeks

### OBJECTIVES

To provide participants with the theory, principles and practice of fire station management, facilities and fire safety planning, as well as command and control at aircraft crash site to prepare them for their roles as Senior Fire Officers.

### OUTLINE

#### **Module 1: Fire Station Management and Facilities Planning**

- ICAO's standards and recommended practices for Rescue Fire-fighting Services (RFFS)
- Management in the fire service
- Leadership in the fire service
- Personnel communications in the fire service
- Basics of budgeting
- Estimates of expenditure
- Equipment and vehicle maintenance programme
- Airport emergency planning
- Planning and development
- Aerodrome safety management system
- Design and location of airport fire stations
- Airport water supply system
- Surveillance Audit For Civil Aerodromes
- Human Factors

#### **Module 2: Fire Safety and Fire Service Operations**

- Hangar and building fire protection
- Hazardous of Aircraft Refueling Operations
- Airport fire safety
- Fire safety engineering
- Analysis and evaluation of recent aircraft accidents
- Response to airport emergencies
- Water rescue plan
- Effective Aircraft Forcible Entry
- Air Accident investigation
- Dangerous Goods Emergencies
- Smart Approach to Aviation Rescue & Fire Fighting Tactics

- Strategies for Cargo Aircraft Fire Fighting
- Strategies for Fuel Farm & tankers Fire Fighting
- Cabin safety

### **Module 3: Fire Service Equipment and Practical Training**

- Equipment specifications
- Aviation Fire-fighting Foaming agents
- RFFS vehicle standards
- High Reach Extendable Turrets
- On-scene command and control at aircraft crash site
- Case studies
- Tactical table exercises
- Pos-exercise debrief
- Safety Precautions for Physical Training
- Go Team Concept – Learning from the others
- Discussion on RFFS organisation and management
- Visits to facilities of technical interest

### **ADMISSION REQUIREMENTS**

- Be certified medically and physically fit
- Be proficient in the English language
- Have at least 2 years of relevant experience as Duty Officer or Officer-in-charge of a fire station
- Have completed and passed Airport Fire Officer course or its equivalent

### **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 70% and above.

Participants are required to bring along their track suit, t-shirts and running shoes for physical training.

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