



Aerodrome Operations

Course Introduction:

This course is designed to provide participants with a comprehensive understanding of the essential principles and practices involved in the management and operation of aerodromes. As global air traffic continues to increase, effective aerodrome operations are critical to ensuring safety, efficiency, and compliance with regulatory standards. This five-day theoretical course covers a wide range of topics, including aerodrome design, air traffic control procedures, safety management, and emergency response planning.

Participants will engage in discussions about the roles of various stakeholders in aerodrome operations, including air traffic controllers, ground handling staff, and regulatory authorities. Through case studies and theoretical frameworks, attendees will gain insights into the complexities of aerodrome management and the importance of effective communication and coordination among all parties involved. By the end of the course, participants will be well-equipped to contribute to safe and efficient aerodrome operations.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the fundamental principles of aerodrome operations and management.
- Analyze aerodrome design considerations and layout planning.
- Grasp the roles and procedures of air traffic control in aerodrome operations.
- Implement safety management systems to enhance operational safety.
- Develop effective emergency response plans for aerodrome incidents.

Who Should Attend?

This course is intended for:-

- Aerodrome managers and operations personnel.
- Air traffic controllers and aviation safety officers.
- Ground handling staff and logistics coordinators.
- Regulatory agency representatives involved in aerodrome oversight.

Course Outline:

Day 1: Introduction to Aerodrome Operations

- Overview of aerodrome types and their functions
- Key components of aerodrome operations
- Regulatory frameworks governing aerodrome operations (ICAO, FAA)
- Stakeholder roles in aerodrome management

Day 2: Aerodrome Design and Layout

- Principles of aerodrome design and layout
- Runway and taxiway configurations
- Terminal building operations and passenger flow
- Safety zones and obstacle management

Day 3: Air Traffic Control Procedures

- Overview of air traffic control (ATC) roles and responsibilities
- Standard operating procedures for ATC
- Communication protocols between pilots and controllers
- Managing air traffic during peak hours

Day 4: Safety Management Systems

- Introduction to safety management systems (SMS) in aviation
- Risk assessment and hazard identification in aerodrome operations
- Safety reporting and incident management
- Best practices for fostering a safety culture

Day 5: Emergency Response and Contingency Planning

- Importance of emergency response planning at aerodromes
- Developing and implementing emergency response plans
- Coordination with local emergency services
- Conducting drills and training exercises

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session