



# **ICAO Middle East Regional Office**

## **Certification of Aerodromes**

**Obligations of the Government  
Regulator**

**Obligation of the Aerodrome  
Operator**

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# Content

- ✈ Objectives and Basic Background
- ✈ Obligations of the Government Regulator
- ✈ Obligations of the Aerodrome Operator

# Objectives:

- ✈ Aerodrome safety
- ✈ Prevention of accidents
- ✈ Reduction/elimination of deficiencies
- ✈ Aerodrome safety management system
- ✈ CAA aerodrome safety oversight and certification
- ✈ ICAO USOAP aerodromes audits

# Aerodromes Basic Background

- ✈ National Legislations
- ✈ National Standards and Regulations
- ✈ ICAO Standards and Recommended Practices – Annex 14, Volume I and other relevant Specifications

# Obligations of Government Regulator

## Context

- ✈ Verification of the aerodrome data in the aerodrome manual
- ✈ On-site verification and audits of aerodrome operating procedures
- ✈ On-site checking and testing of aerodrome facilities and equipment
- ✈ Flying assessments and aeronautical studies at aerodromes
- ✈ General duties

# Obligations of Government Regulator

## Verification of the aerodrome data in the aerodrome manual

- ✈ Verification includes details of:
  - ✈ the location of the aerodrome;
  - ✈ the name and address of the aerodrome operator;

# Obligations of Government Regulator

## Verification of the aerodrome data in the aerodrome manual

Cont.

- ✈ the movement area;
- ✈ the runway declared distances available;
- ✈ aeronautical ground lighting;

# Obligations of Government Regulator

## Verification of the aerodrome data in the aerodrome manual

Cont.

✈ ground services; and

✈ notices of special conditions and procedures, if any.



# Obligations of Government Regulator

## On-site verification and audits of aerodrome operating procedures

- ✈ On-site verification include:
  - ✈ the overall aerodrome safety management system;
  - ✈ the aerodrome emergency plan and periodic aerodrome emergency exercises;
  - ✈ rescue and fire-fighting;
  - ✈ inspection and maintenance of aeronautical ground lighting;

# Obligations of Government Regulator

## On-site verification and audits of aerodrome operating procedures

Cont.

- ✈ promulgation of changes to published aerodrome information;
- ✈ the prevention of unauthorized entry to the aerodrome, particularly the movement area and protection of the public against jet or propeller blast;

# Obligations of Government Regulator

## On-site verification and audits of aerodrome operating procedures

Cont.

- ✈ the operator's daily inspection of the aerodrome;
- ✈ the planning and carrying out of aerodrome construction and maintenance work including compliance with construction safety requirements;

# Obligations of Government Regulator

## On-site verification and audits of aerodrome operating procedures

Cont.

- ✈ apron management and parking control;
- ✈ the control of vehicles operating on or in the vicinity of the movement area;
- ✈ wildlife hazard management;
- ✈ the monitoring of obstacle limitation surfaces and notification;

# Obligations of Government Regulator

## On-site verification and audits of aerodrome operating procedures



Cont.

- ✈ the removal of disabled aircraft;
- ✈ hazardous materials, including aviation fuel;
- ✈ the protection of radar and navigational aids; and
- ✈ low-visibility operations.

# Obligations of Government Regulator

## On-site checking and testing of aerodrome facilities and equipment

### On-site checking and testing includes:

-  the dimensions and surface conditions of runways, taxiways, stopways, runway end safety areas, runway and taxiway strips, shoulders and aprons;
-  aeronautical ground lighting systems including flight check records;

# Obligations of Government Regulator

## On-site checking and testing of aerodrome facilities and equipment

Cont.

- ✈ standby power;
- ✈ landing direction indicators and wind direction indicators, aerodrome markings and markers;
- ✈ guidance signs and warning signs in the movement area;
- ✈ aerodrome maintenance equipment;
- ✈ disabled aircraft removal plan;

# Obligations of Government Regulator

## On-site checking and testing of aerodrome facilities and equipment

Cont.

- ✈ wildlife control equipment;
- ✈ the presence of obstacles in obstacle limitation surfaces;
- ✈ runway visual range measuring equipment;
- ✈ the presence of lights that may endanger aircraft safety;



# Obligations of Government Regulator

## On-site checking and testing of aerodrome facilities and equipment

Cont.

- ✈ rescue and fire-fighting equipment;
- ✈ fuelling facilities; and
- ✈ runway surface friction measuring equipment.

# Obligations of Government Regulator

## Flying assessments and aeronautical studies at aerodromes:

- ✈ Incorporation with the Flight Operations Unit of the CAA and other specialists as required, organize flying assessments at aerodromes and conduct aeronautical studies, if and where permitted by the Specifications.

# Obligations of Government Regulator

## General Duties

All other functions related to the certification of aerodromes including :

- ✈ Receiving and processing of expressions of interest and applications for aerodrome certificates;

# Obligations of Government Regulator

## General Duties

Cont.

- ✈ processing requests for the amendment, transfer or surrender of certificates or requests for interim certificates;
- ✈ Reporting to AIS; initiating NOTAMs and

# Obligations of Government Regulator

## General Duties

Cont.

- ✈ Determining appropriate enforcement action in the event of non-compliance with the regulations.
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# Obligations of Aerodrome Operator

## Context

- ✈ Provision, operation and maintenance of aerodrome facilities and services in accordance with ICAO Specifications and National Regulations
- ✈ Competence of operational and maintenance personnel
- ✈ Preparation of aerodrome manual
- ✈ Submitting, to the satisfaction of CAA, all requirements, for Possession of an aerodrome certification

# Obligations of Aerodrome Operator

Cont.

- ✈ Implementation of Aerodrome safety management systems no later than 24 November 2005
- ✈ Notifying and reporting to CAA, ATC and Pilots any changes to the aerodrome facilities, equipment and level of service planned in advance and of inaccuracies in AIS publications
- ✈ General Duties

# Obligations of Aerodrome Operator

## Provision, Operation and maintenance of facilities and services

- ✈ Ensure compliance with ICAO SARPS contained in Annex 14 Volume I and relevant specifications and National Regulations for facilities and Services to be provided at an aerodrome
- ✈ Ensure that the Aerodrome facilities and services are in accordance with standards, rules and practices



# Obligations of Aerodrome Operator

## Provision and maintenance of facilities and services

Cont.

- ✈ Ensure that the aerodrome operating procedures make satisfactory provision for the safety of aircraft
- ✈ Notify differences/deviations from Aerodrome standards specified in Volume I to Annex 14 and national regulations

# Obligations of Aerodrome Operator

## Competence of operational and maintenance personnel

- ✈ Employ an adequate number of qualified and skilled personnel to perform all critical activities for aerodrome operation and maintenance
- ✈ Implement a programme to upgrade the competency of the personnel

# Obligations of Aerodrome Operator

## Preparation of Aerodrome Manual

- ✈ An aerodrome manual shall:
  - ✈ be typewritten or printed, be in a format that is easy to revise, organized and signed by the aerodrome operator
- ✈ Information to be included in the aerodrome manual:
  - ✈ Part 1: General Information
  - ✈ Part 2: Particulars of the Aerodrome Site
  - ✈ Part 3: Particulars of the Aerodrome  
Required to be reported to the aeronautical information Service (AIS)

# Obligations of Aerodrome Operator

## Preparation of Aerodrome Manual

Cont.

- ✈ Part 4: Particulars of the Aerodrome Operating Procedures and Safety Measures
- ✈ Part 5: Aerodrome Administration and Safety Management System

# Operator

## Covering, to the satisfaction of CAA, all requirements, for Possession of an aerodrome certification

- ✈ All international aerodrome operators must be in possession of an aerodrome certification no later than 27 November 2003 according to ICAO SARPS and National Regulations
- ✈ The expression of interest for aerodrome certification should include a flight operations assessment by CAA to ensure that the operation of an aerodrome at the location specified in the application will not endanger the safety of aircraft operation.

# Obligations of Aerodrome Operator

## Implementation of Aerodrome safety management systems

- ✈ Establishing a SMS for aerodrome for
  - ✈ ensuring that operations are carried out in a demonstrably controlled way and are improved where necessary
  - ✈ oblige and monitor all users of the aerodrome that are performing activities at the aerodrome to comply with operational requirements laid down by the Operator

# Obligations of Aerodrome Operator

## Implementation of Aerodrome safety management systems

Cont.

- ✈ Arrange for an internal safety audit of the safety management system
- ✈ ensure that the audit reports are prepared by suitably qualified safety experts

# Obligations of Aerodrome Operator

## Notifying and reporting

- ✈ Adhering to the requirement to notify and report to CAA, ATC and pilots within the time limits required,
- ✈ Arranging for immediate notification for ATC and the flight operation unit to receive immediate notice detailing:
  - ✈ obstacles, obstructions and hazards,
  - ✈ reduction in the level of service as set out in any of AIS publications,



# Obligations of Aerodrome Operator

## Notifying and reporting

Cont.

- ✈ Closure of any part of the movement area of the aerodrome, and
- ✈ Any other condition that might affect aviation safety at the aerodrome
- ✈ Immediate notification directly to pilots when they are affected by that circumstance

# Obligations of Aerodrome Operator

## General Duties

All other functions related to the certification of aerodromes including:

- ✈ Submitting and processing of expressions of interest and applications for aerodrome certificates
- ✈ Ensure free access of State CAA-authorized inspectors to carry out safety audits, inspection

# Obligations of Aerodrome Operator

## General Duties

- ✈ Conduct special inspections as circumstance require, to insure aviation safety
- ✈ Remove obstructions that is likely hazardous, from the aerodrome surface
- ✈ Post hazard warning notices when low flying aircraft at or near an aerodrome are likely to be hazardous to people or vehicle traffic

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