Launching of a Project for the Certification of Aerodromes in the ESAF Region
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Aerodrome certification
Overview of Requirements for Aerodrome Regulators/Operators

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Summary

• Overview of stakeholders obligations in the aerodrome certification process
  – Regulatory Framework
  – Civil Aviation Authorities
  – Aerodrome Operators
  – Other stakeholders (ANSPs, Handling, …)
1.4 - Certification of aerodromes

States shall certify aerodromes used for international operations in accordance with the specifications contained in this Annex as well as other relevant ICAO specifications through an appropriate regulatory framework.
Aerodrome certification phases

1. Dealing with the expression of interest
2. Assessing the formal application
3. Assessing the aerodrome facilities, equipment and services
4. Issuing or refusing an aerodrome certificate
5. Promulgating the certified status of an aerodrome
Responsibilities of stakeholders

Regulators (CAAs)
- Regulatory framework
- Organization and staff
- Guidelines and tools
- Certification, including SMS acceptance
- Surveillance activities
- Enforcement actions

Aerodrome operators
- Organization and staff
- Documentation including SOPs
- Aerodrome manual
- Compliance of facilities, equipment and services
- Implementation of SMS
- Runway safety programme
Civil Aviation Authorities

- Legislative provisions related to aerodromes
- Aerodrome regulations, including provisions for aerodromes certification
- Organization of the entity in charge of aerodromes oversight, including definition of functions and responsibilities
- Education and qualification of the technical personnel covering core aerodrome areas
Civil Aviation Authorities

- Technical guidance material for the inspectors
- Guidelines on the implementation of applicable regulations, instructions and directives, for the industry
- Convenient facilities and adequate office space, modern equipment, Aerodromes inspection tools and instruments, ICAO documents,…
Aerodrome operators

Dealing with the expression of interest

• Provide documentation for the flight operations assessment, to ensure that the operation of the aerodrome and the location specifies does not endanger the safety of aircraft operation

• Refer to other State entities, such as environmental authorities for their clearance
Aerodrome operators

Assessment of the formal application

• Provide the aerodrome manual and its related SOPs/documents, including sources of data published in the AIP

• Provide information related to organizational competence and level of resources of the aerodrome operator

• Provide information related to competences and experience of the aerodrome staff

• Provide the SMS manual and its related documentation
Aerodrome operators

Assessment of the aerodrome facilities, equipment and services

• On-site verification of the particulars of the aerodrome to be published in the AIP
• On-site assessment of the physical characteristics, facilities and equipment
• On-site verification of the provision and monitoring of required visual aids, including availability of essential power supply systems
• Evaluation of aerodrome operating procedures including maintenance services and coordination with other aerodrome entities such as ATS and AIS
Aerodrome operators

Grant/refusal of certificate

- If the assessment is satisfactorily, the applicant is granted the aerodrome certificate with the conditions incorporated as applicable and the certificate register and aerodrome register are updated accordingly.

- If the assessment is not satisfactorily, the CAA notifies the applicant of the rejection and may request additional information or action from the applicant.
Aerodrome Manual

Ensure that:

• Structure, content and format conform to the requirement
• Manual accurately describe the facilities, equipment and services at the aerodrome
• Information and date are accurate and comply with applicable regulations
• Safety procedures for aerodrome operations are acceptable and will enable proper implementation of the applicable regulations
Safety Management System (SMS)

To be certified, aerodrome should have in place an SMS which include:

- Safety policy and objectives (
  management commitment and responsibility
  – safety accountabilities – appointment of key personnel – coordination of
  emergency response planning – SMS documentation)

- Safety risk management (hazard identification – safety risk assessment
  and mitigation)

- Safety assurance (safety performance monitoring and measurement –
  management of change – continuous improvement of SMS)

- Safety promotion (training and education – safety communication)

Aerodrome operators
Other stakeholders (ANSPs, Handling, Etc.)

- Comply with the requirements laid down by the aerodrome operator with regard to safety at the aerodrome.

- Cooperate in the programme to promote safety at, and the safe use of, the aerodrome by immediately informing it of any accidents, incidents, defects and faults which have a bearing on safety.

- Comply with the external audit and inspection programme established by the aerodrome operator, for evaluating other users, working at the aerodrome.