



Sudan Civil Aviation Authority

ICAO Seminar/Workshop on aerodrome Operational Procedures (PANS-Aerodromes)

Cairo, Egypt

08-9 November 2017

Session 2 – Issues and challenges facing
States with regard to the implementation of
aerodrome certification- State views

Aerodrome certification in Sudan – Issues and Challenges



Outline



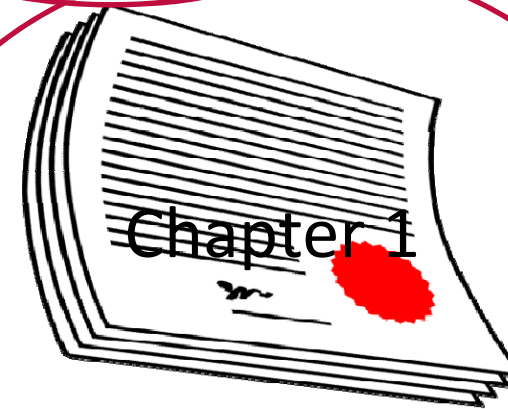
- Aerodrome certification
 - Requirements
 - Policy
 - Processes
- Issues
- Challenges

REGULATORY REQUIREMENTS FOR AERODROME CERTIFICATION



1.4 Certification

AMENDED (to take into account the PANS-Aerodrome)



NEW (to take into account the PANS-Aerodrome)

1.7 Specific Procedures

Aerodrome certification



National framework for aerodrome certification

Aerodrome certification Standards

**1.4 SUCAR PART 14,
Subpart 1**

**Appendix 1 to SUCAR PART
14, Subpart 1**

**Material grouped separately
for convenience but forming
part of the aerodrome
certification standards**

**Information to govern
the implementation of
the aerodrome
certification standards**

**Directive DIR-012-
001**

1.4 Aerodrome certification Requirements – National Criteria



NOW

- **Mandatory** : Aerodromes used for international operations [4]
- **Optional** : Any other Aerodrome Operator may apply to the Authority for an Aerodrome Certificate



As of 31 December 2017

- **Mandatory** : Aerodromes used for international operations & Aerodrome open for public use {12}
- **Optional** : Any other Aerodrome Operator may apply to the Authority for an Aerodrome Certificate

Certification Requirements



Requirements – SUCAR PART 14, subpart 1, 1.4 & Appendix 1

Items to be assessed	Status
Flight Operations Assessment	The operation of an aerodrome at the specified location will not endanger aircraft operations
Referral to other agencies	The operation of an aerodrome at the specified location will not contravene Sudanese laws
Aerodrome manual	Conform to the requirements
Aerodrome infrastructure, obstacles limitation surfaces, visual aids, equipment and installations	Appropriate to the characteristics of the aircraft intended to be served, meteorological minima and ambient conditions
Key personnel & Organization	Conform to the requirements
Safety Management System	Acceptable by the Authority
Procedures, systems, programmes	Conforms to the requirements and implemented as approved

Mean of Compliance



Information governing implementation (DIR-012-001)

Submit an application for aerodrome certification together with the documentation required



Follow the aerodrome certification process that includes verification and assessment by the certifying Authority

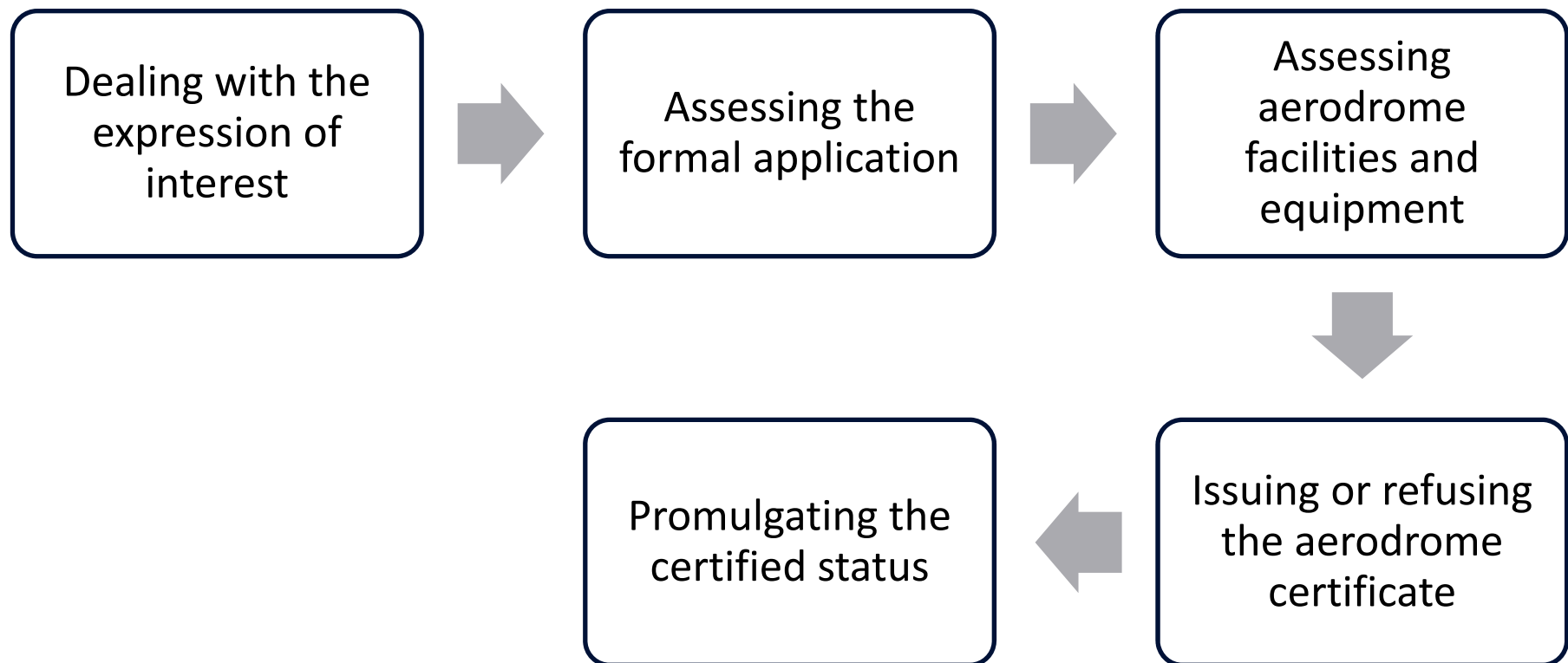


complete all the certification activities, including the implementation of corrective action plans as applicable

Sudan Aerodrome Certification Process



Appendix to SUCAR PART 14, subpart 1- Five phases certification process





Organizational – Senior Managers
(operators) not always familiar with the
certification requirements

Documentation: Earlier versions of the
aerodrome manual and associated
procedures not in line with the
requirements

Implementation tools: limited implementation and
monitoring tools for both the regulator and the
operators (friction testing, obstacles control
software, and SMS implementation software, etc.)



Limited Traffic airports

- At some airports, the aircraft traffic is insufficient to generate the revenues needed to finance operations & maintenance activities

Infrastructure ageing or non-compliant -

- Aerodrome infrastructure has reached the end of its life cycle and need to be rehabilitated, other components were not designed in compliance with the requirements



Sudan Civil Aviation Authority

Aerodrome certification in Sudan – Issues and Challenges

Questions ?