



ICAO DAKAR UNITING AVIATION

Aerodromes Certification

Nika Meheza MANZI

*Deputy regional Director
Western & Central African Office*

Hybrid / July 2022





Outline

- Intent of the certification
- Main references
- Aerodromes certification scope
- Aerodromes certification phases





Intent of the certification

- To ensure that the aerodrome meets the specifications regarding the facility and its operation, and that it has, according to the certifying authority, the capability to maintain these specifications for the period of validity of the certificate
- To establish the baseline for continued monitoring of compliance with the specifications



Main references

- **Annex 14, Vol I** – Aerodrome Design and Operations
- **Annex 19** – Safety Management
- **Doc 9981**- Procedures for Air Navigation Services — Aerodromes (PANS-Aerodromes)
- **Doc 9774** – Manual on Certification of Aerodromes
- Other associated manuals and guidance material

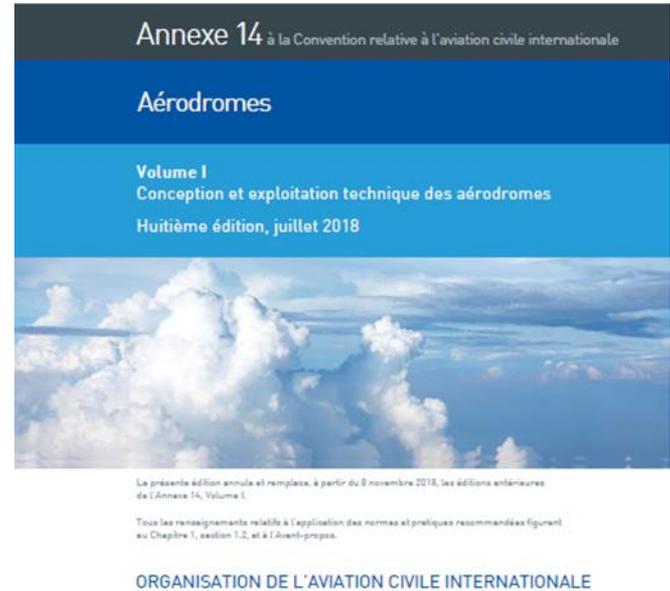


Annex 14, Vol I

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.





Scope of aerodrome certification

1. Compliance of the aerodrome infrastructure with the applicable regulations for the operations the aerodrome is intended to serve
2. Compliance of operational procedures with the applicable regulations and their day-to-day application
3. Compliance of the safety management system (SMS) with applicable regulations



Scope of aerodrome certification

Compliance of the aerodrome is assessed through:

1. Technical inspections of the infrastructure of the aerodrome and its equipment, as related to the requirements associated with the intended operations;
2. The review of the aerodrome manual and supporting documentation and acceptance of its relevant safety parts; and;
3. The on-site verification of the aerodrome operator's procedures, its organization and its SMS based upon the contents of the aerodrome manual.



Aerodrome certification phases

Dealing with
the
expression
of interest

Assessing
the formal
application

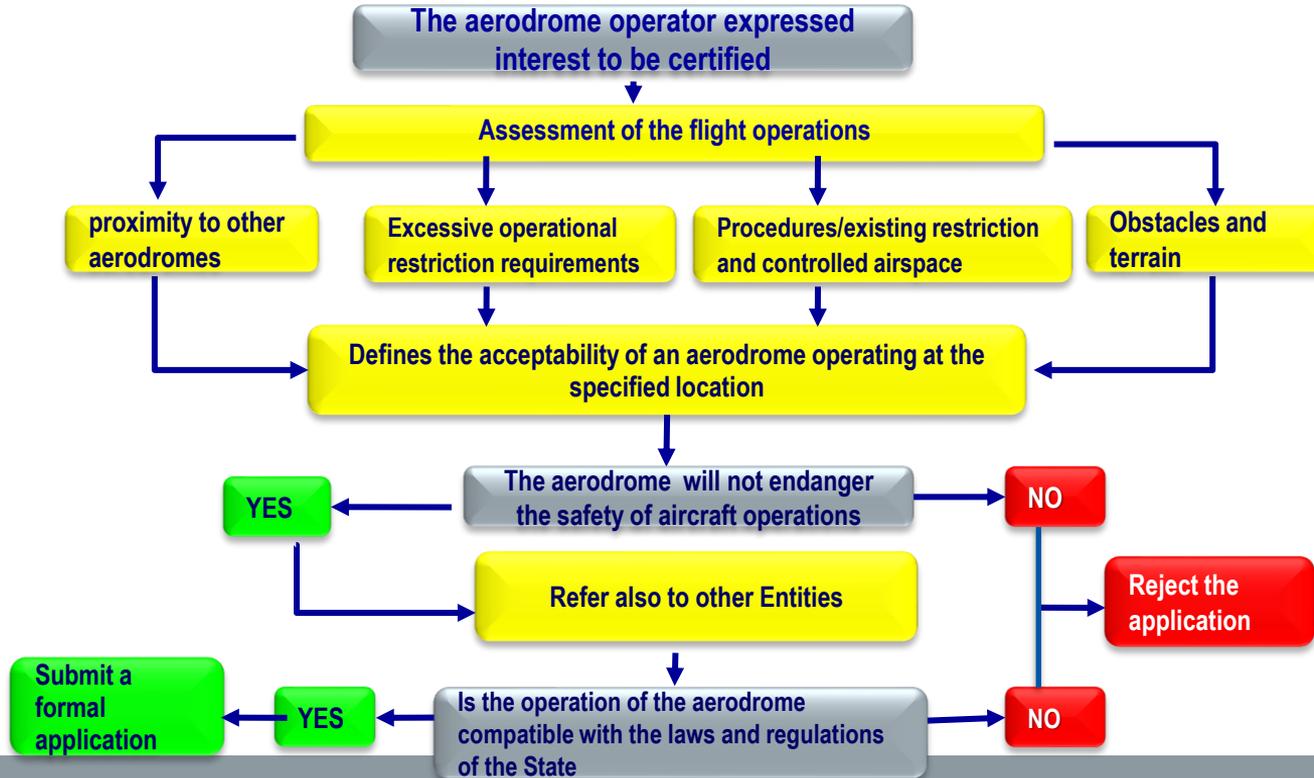
Assessing the
aerodrome
facilities,
equipment
and services

Issuing or
refusing an
aerodrome
certificate

Promulgating
the certified
status of an
aerodrome



Expression of interest



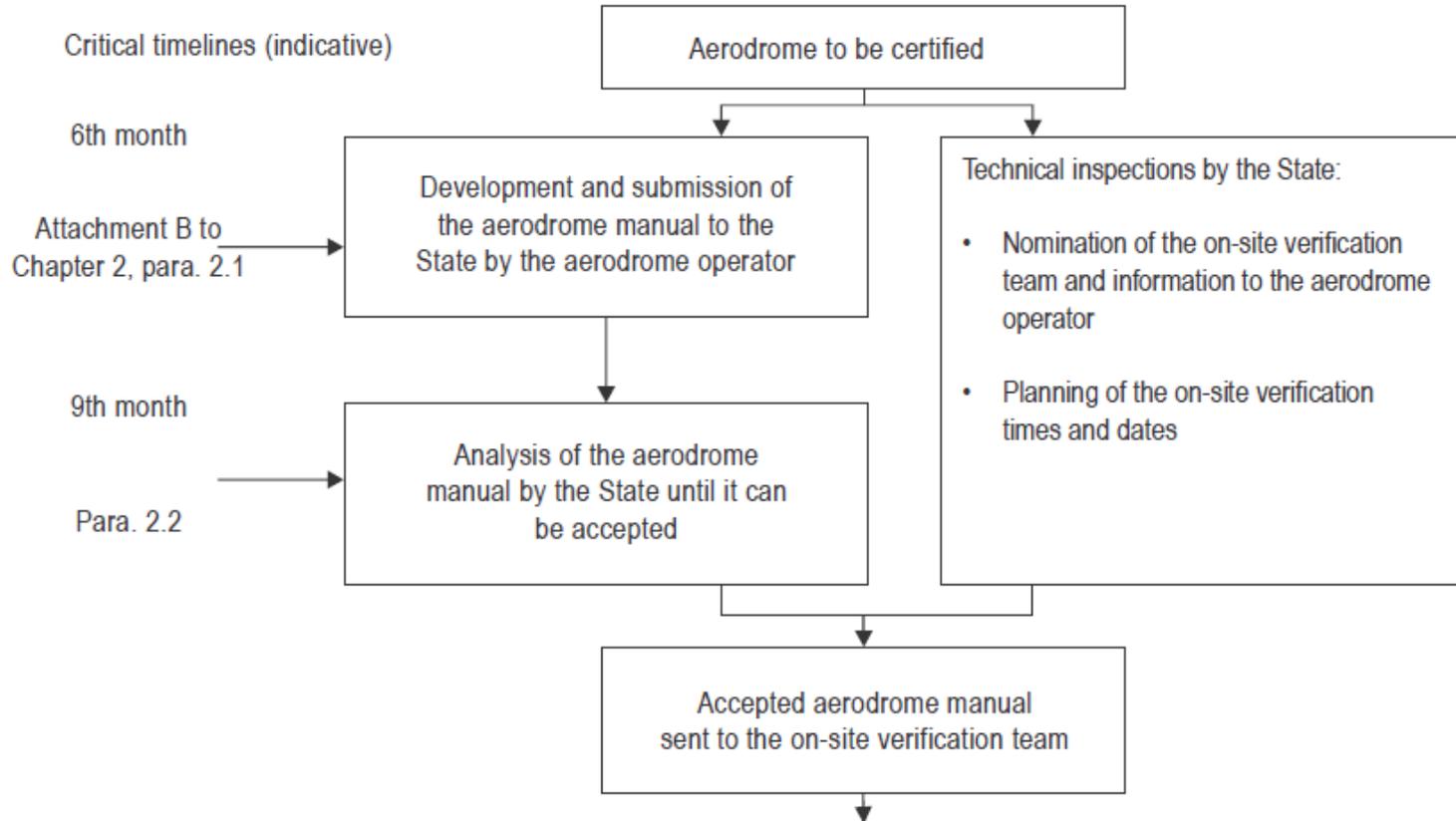


Expression of interest

Should the results of the above assessment be positive, the CAA should:

1. advise the applicant in writing:
 - a. *To submit a formal application for an aerodrome certificate*
 - b. *To obtain copies of other relevant publications issued by ICAO and State entities other than the CAA.*
2. provide the applicant with the prescribed application form, a copy of the aerodrome certification regulations, including its schedule(s), and any other relevant circular or publication that the CAA may have issued, including the national standards for aerodromes

Formal application





Formal application

- Starts with a meeting between the State and the aerodrome operator, where the State presents the certification process and deadlines
- The aerodrome operator develops the aerodrome manual as soon as it enters the initial certification process, so as to submit it no later than six months after the meeting;
- During this six-month period the State :
 - a. completes the technical inspections so that the results are available for the on-site verification;*
 - b. assembles the on-site verification team and informs the aerodrome operator of the team members.*



Formal application

The technical inspections of the aerodrome should include, as a minimum:

- an inspection of the infrastructure, obstacle limitation surfaces (OLS), visual and non-visual aids and aerodrome equipment for the use of aeroplanes;
- an inspection of the RFF services; and
- an inspection of wildlife hazard management.



Formal application *(Approval of the aerodrome manual)*

Prior to the approval/acceptance of the aerodrome manual, the State should verify that :

- the aerodrome manual submitted contains all the required information;
- all the procedures related to aerodrome certification that will be assessed by the on-site verification team are provided in the aerodrome manual

The State formally informs the aerodrome operator when the aerodrome manual is accepted.

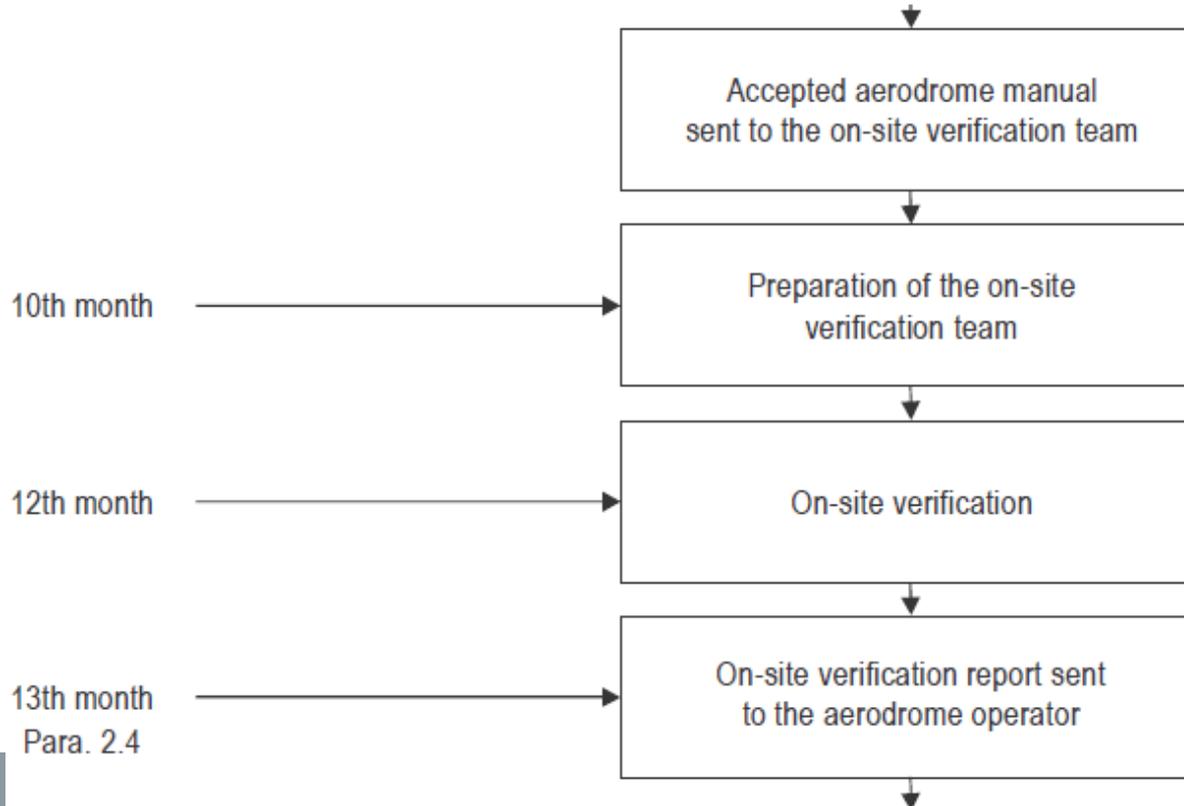
The aerodrome operator should inform the State of any changes to the approved/accepted aerodrome manual between the time of the application for a certificate and the end of the on-site verification.



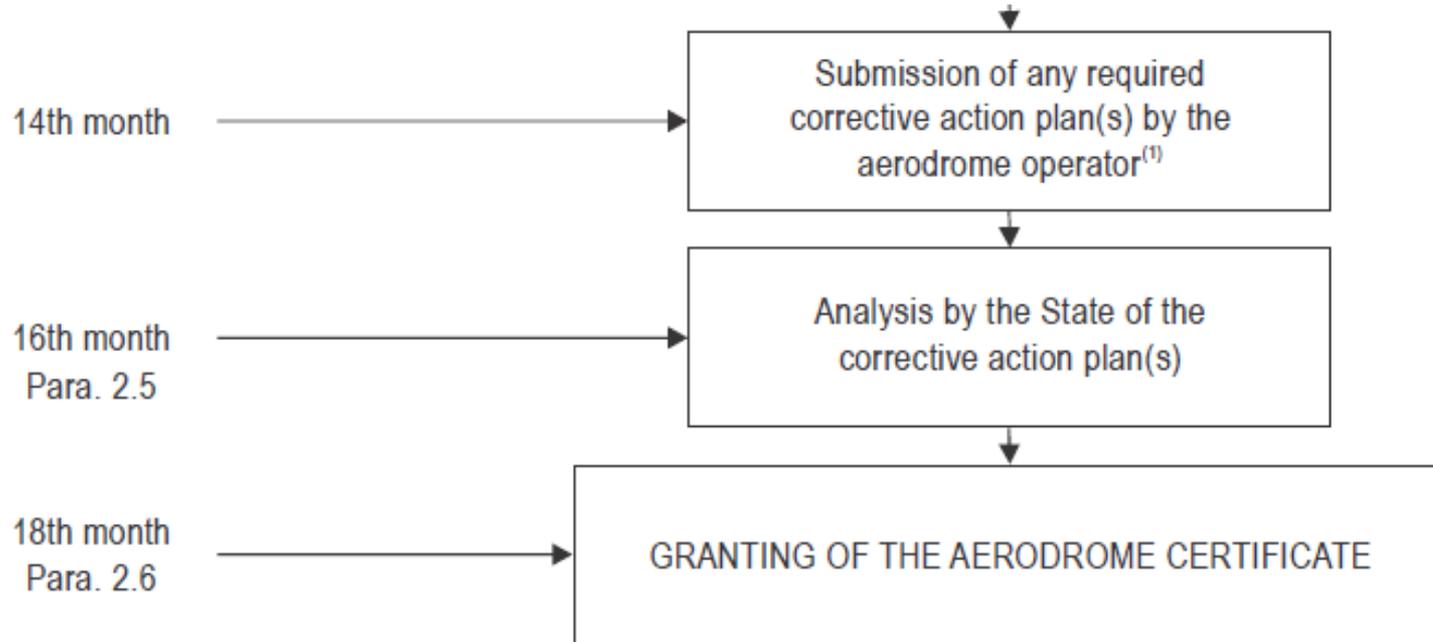
Formal application

- When all the conditions have been met, the aerodrome manual is accepted/approved
- During this period, the on-site verification team, together with the aerodrome operator, plans the time and dates of the on-site verification
- As soon as the aerodrome manual is accepted, it is sent to the on-site verification team with all the procedures enclosed.

On-site verification *(covers procedures and SMS)*



Issuance of the certificate





Issuance of the certificate

- When no findings are reported or once the corrective action plans are accepted, and mitigation measures are agreed upon, the State grants the aerodrome certificate to the applicant.
- An appendix may be attached to the certificate describing the essential conditions prevailing at the aerodrome (*the aerodrome reference code, critical aeroplane type, the operational conditions for the accommodation of critical aeroplanes for which the facility is provided, RFF category, the operational restrictions at the aerodrome, the authorized deviations related to aerodrome compatibility described in Chapter 4, their inherent operational conditions/restrictions and validity*)



Issuance of the certificate

- The State may accept a deviation on the basis of a **safety assessment** if permitted by the State's regulatory framework.
 - *Accepted deviations are listed in the aerodrome manual*
- As long as the granting conditions are maintained, the validity of the certificate is either limited in time or unlimited.
- During the period of validity of the certificate, the State monitors the timely implementation of the corrective action plans within the continued oversight



Promulgation of the status of certification

- The State shall promulgate the status of certification of aerodromes in the aeronautical information publication, including:
 - *aerodrome name and ICAO location indicator ;*
 - *date of certification and, if applicable, validity of certification; and;*
 - *remarks, if any.*
- Where safety concerns have been observed on the aerodrome, special conditions or operational restrictions may be attached to the certificate and published in the AIP or by NOTAM until completion of the corrective action plan.



ICAO DAKAR UNITING AVIATION



ICAO

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU