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ICAO



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01

Background



ICAO



Current ICAO Provisions on Emergency Response and Contingency Planning

Several ICAO Annexes address the necessity and importance of emergency response planning and coordination for various stakeholders of the aviation system

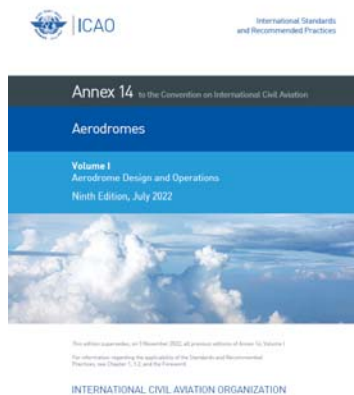
<https://www.icao.int/sustainability/ERP/Pages/ICAO-ERPGuidance.aspx>
<https://elibrary.icao.int/home>

ICAO ANNEX	SECTION/CHAPTER
Annex 1 Personnel Licensing	Different parts of the Annex
Annex 9 Facilitation	Chapter 8 Facilitation provisions covering specific subjects
Annex 11 Air Traffic Services	Attachment C Material relating to contingency planning
Annex 14 Volume I - Aerodromes	Chapter 9 Aerodrome emergency planning
Annex 14 Volume II - Heliports	Chapter 6 Heliport emergency response
Annex 17 Security	Chapter 5 Management of response to acts of unlawful interference
Annex 19 Safety Management	Appendix 2 Framework for a safety management system (SMS)



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Annex 14 Volume I - Aerodromes



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Aerodrome emergency planning is the process of preparing an aerodrome to cope with an **emergency occurring at the aerodrome or in its vicinity**.



The object of airport emergency planning is to **minimize the effects of an emergency**, particularly in respect of **saving lives and maintaining aircraft operations**



The aerodrome emergency plan sets forth the procedures for **coordinating the response of different aerodrome agencies** (or services) and of those agencies in the surrounding community that could be of assistance in responding to the emergency.



The plan shall contain procedures for **periodic testing** of the adequacy of the plan and for reviewing the results in order to improve its effectiveness.

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Annex 14

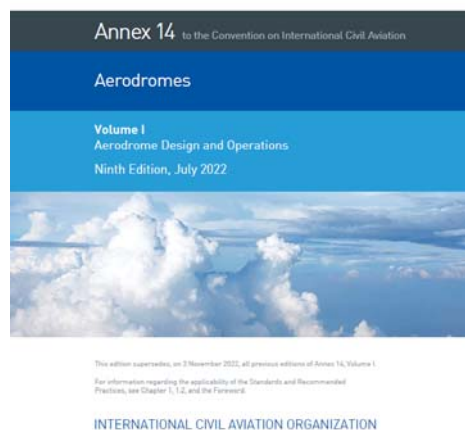
Volume I - Aerodromes

The **aerodrome emergency plan** document should include at least the following:

- a) **types** of emergencies planned for;
- b) **agencies** involved in the plan;
- c) **responsibility and role** of each agency, the **emergency operations centre and the command post**, for each type of emergency;
- d) information on names and telephone numbers of offices or people to be contacted in the case of a particular emergency; and
- e) a grid map of the aerodrome and its immediate vicinity.



International Standards
and Recommended Practices



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Types of emergencies planned for:

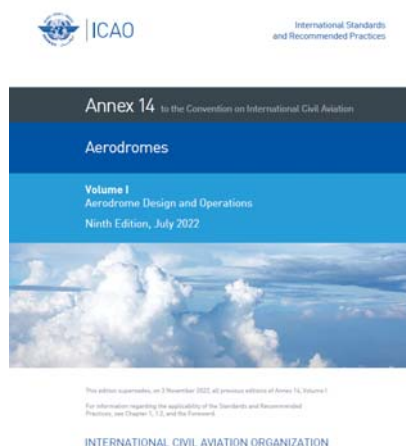
- ✓ aircraft emergencies;
- ✓ sabotage including bomb threats;
- ✓ unlawfully seized aircraft;
- ✓ dangerous goods occurrences;
- ✓ building fires;
- ✓ natural disaster; and
- ✓ public health emergencies.

Agencies involved in the plan:

- On the airport:
- ✓ airport administration;
 - ✓ air traffic control units
 - ✓ aircraft operators
 - ✓ rescue and fire fighting services;
 - ✓ medical and ambulance services; and
 - ✓ security services, and police.
- Off the aerodrome:
- ✓ fire departments;
 - ✓ Police;
 - ✓ health authorities (including medical, ambulance, hospital and public health services);
 - ✓ Military; and
 - ✓ harbour patrol or coast guard.



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Annex 14

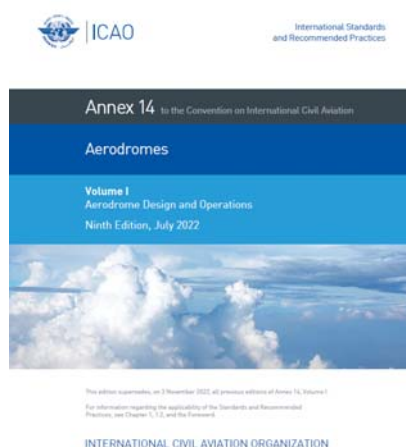
Volume I - Aerodromes

The **plan shall be tested** by conducting:

a) a **full-scale aerodrome emergency exercise** at intervals not exceeding **two years** and **partial emergency exercises** in the intervening **year** to ensure that any deficiencies found during the full-scale aerodrome emergency exercise have been corrected; **OR**

b) a **series of modular tests commencing** in the first year and concluding in a **full-scale aerodrome emergency exercise** at intervals not exceeding **three years**;

and **reviewed** thereafter, or after an actual emergency, so as to **correct any deficiency found** during such exercises or actual emergency.



Annex 14

Volume I - Aerodromes

Conducting regular **Aerodrome emergency exercises** will ensure adequacy of:

- Response of all personnel involved.
- Emergency plans and procedures.
- Emergency equipment and communications.

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Airport Services Manual Airport Emergency Planning

Doc 9137 Part 7

To be operationally sound, a comprehensive **airport emergency plan** must give consideration to:

- a) preplanning **BEFORE** an emergency;
- b) operations **DURING** the emergency; and
- c) support and documentation **AFTER** the emergency.

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Guidance Documents

ICAO



Aerodromes
Annex 14, Vol 1



Procedures For Air Navigation Service
Aerodromes
Doc 9981



Manual on Certification of
Aerodromes
Doc 9774



Airport Services Manual
Airport Emergency Planning
Doc 9137 Part 7

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02

ICAO Airport
related
document
updates

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Amendments in ICAO
Airport Service Manual
Doc. 9137 Part 7

The complete rewrite of this manual
will include additional topics such as:

- preparedness and response to public health emergencies;
- Disaster and Business continuity management
- assistance to air crash victims and their families; and
- unauthorised UAS disruption to aerodromes

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Other amendments and work by ADOP and other Panels

ADOP = Aerodrome Design and Operations Panel



Amendments to ICAO AN 14 Vol I



New Chapter in PANS Aerodromes related to Aerodrome Emergency Planning

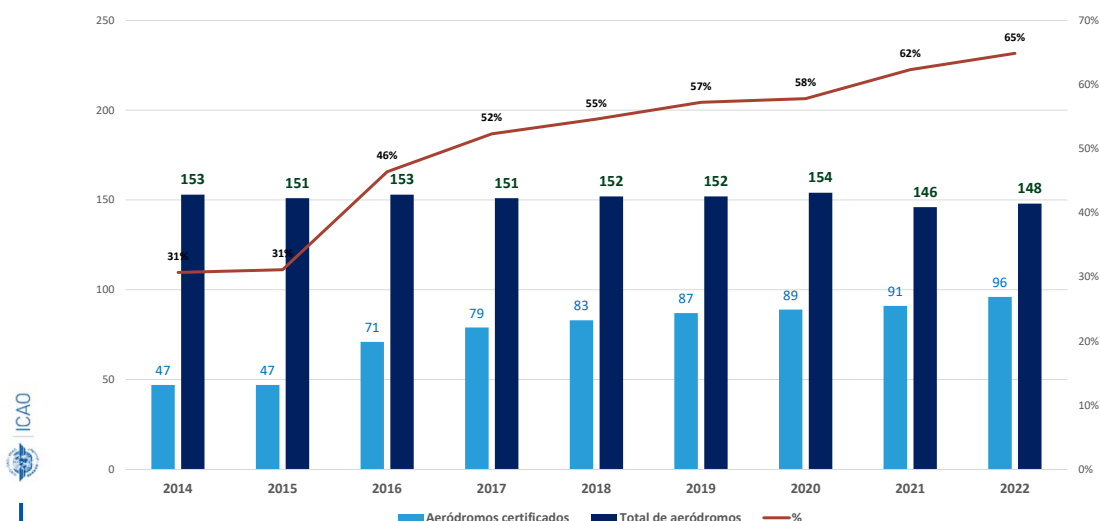
03 Status



International airport certification status

CAR REGION

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Status of compliance of states in the CAR Region

ICAO USOAP

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PQs No.	Protocol Question	CE	Sub-Area AGA	% NO SAT
8.291	Does the State ensure that aerodrome operators/competent State authority develop emergency plans, including appropriate cooperation and coordination with other entities involved in the provision of emergency services and the development of the plans?	CE-6	Safety procedures for aerodrome operations	45%
8.293	Does the State ensure compliance with requirements for the periodic testing and review of aerodrome emergency plans?	CE-7	Safety procedures for aerodrome operations	55%
8.297	Does the State ensure the implementation of requirements for the availability and coordination of specialist rescue services to be included in the emergency plans of aerodromes close to water, swampy areas or difficult terrain?	CE-6	Safety procedures for aerodrome operations	50%
8.299	Does the State ensure the implementation of requirements for the establishment and manning of emergency operations centres and mobile command posts, and for communication between them?	CE-6	Safety procedures for aerodrome operations	45%
8.301	Does the State ensure the implementation of requirements for the provision of rescue and firefighting (RFF) services at all aerodromes, which takes into account the aerodrome location and the surrounding terrain?	CE-7	Safety procedures for aerodrome operations	38%

ICAO

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05 Final considerations



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Final considerations



Around 40 percent of international airports in the CAR region **do not meet** ICAO requirements regarding the **Airport Emergency Plan**



Around 50 percent of international airports in the CAR region **do not carry out tests and simulations** for the verification and periodic review of their aerodrome emergency plans.



The Airport Services Manual - Airport Emergency Planning (Doc 9137) focuses on **aeronautical accidents and incidents**. The document is in the process of being updated to consider **disaster situations** (volcano, hurricane, earthquake and others)



Support with training, guide documents and technical assistance in the **CAR Region** for emergency and disaster events **is important!**

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