



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



Airport Emergency Plan

—
Fabiana Todesco

Regional Officer, Aerodromes and Ground Aids
ICAO NACC

01 Background

02 Updates

03 Status

04 Conclusion



01
Background



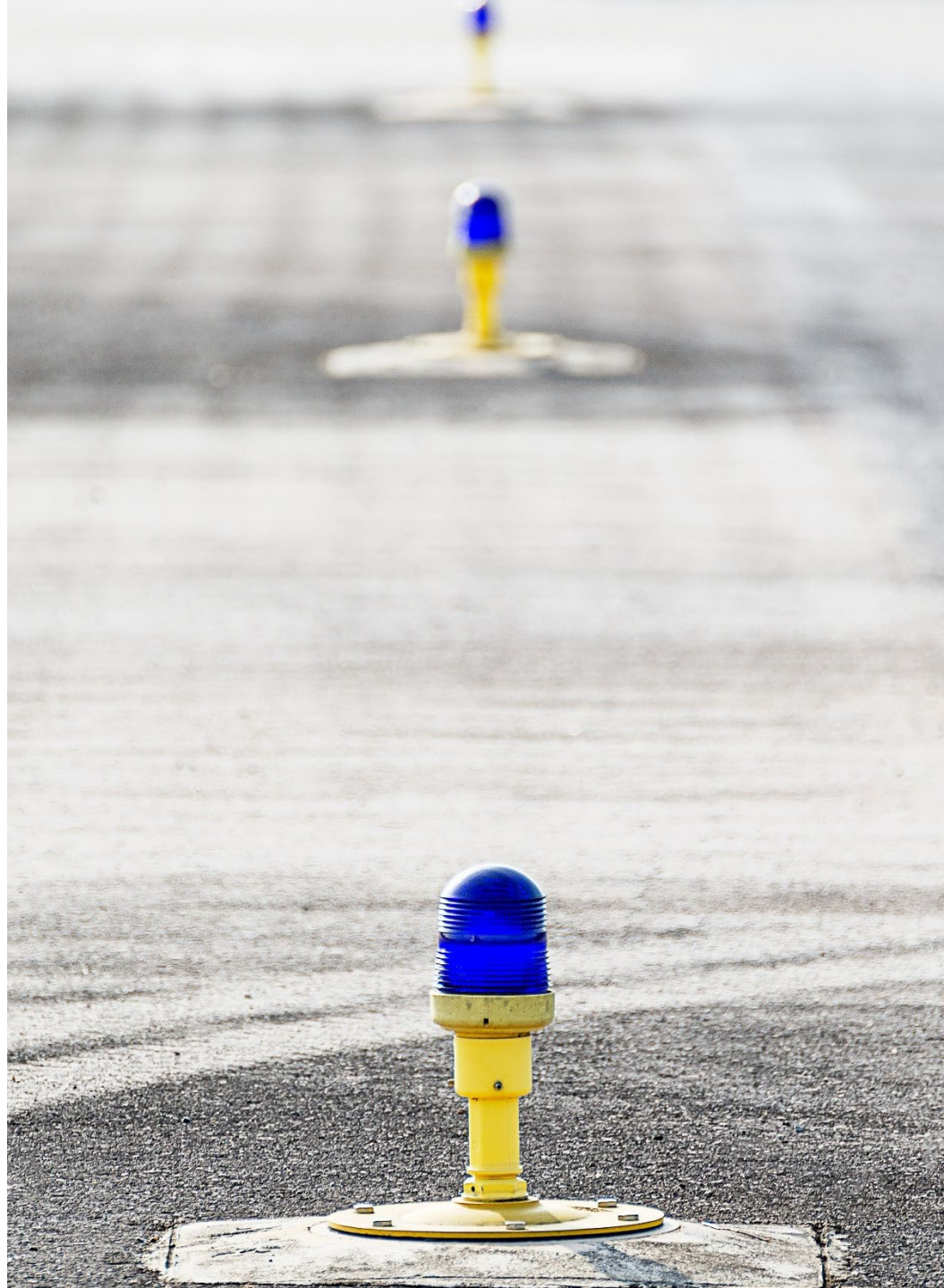
Current ICAO Provisions on Emergency Response and Contingency Planning

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)



Annex 14 Volume I - Aerodromes



International Standards
and Recommended Practices



This edition supersedes, on 3 November 2022, all previous editions of Annex 14, Volume I.
For information regarding the applicability of the Standards and Recommended Practices, see Chapter 1, 1.2, and the Foreword.

INTERNATIONAL CIVIL AVIATION ORGANIZATION



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.



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



This edition supersedes, on 3 November 2022, all previous editions of Annex 14, Volume I.

For information regarding the applicability of the Standards and Recommended Practices, see Chapter 1, 1.2, and the Foreword.

INTERNATIONAL CIVIL AVIATION ORGANIZATION



This edition supersedes, on 3 November 2022, all previous editions of Annex 14, Volume I.
For information regarding the applicability of the Standards and Recommended Practices, see Chapter 1, 1.2, and the Foreword.

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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.

AIRPORT SERVICES
MANUAL



PART 7

AIRPORT EMERGENCY PLANNING

SECOND EDITION — 1991

*Approved by the Secretary General
and published under his authority*

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Airport Services Manual Airport Emergency Planning

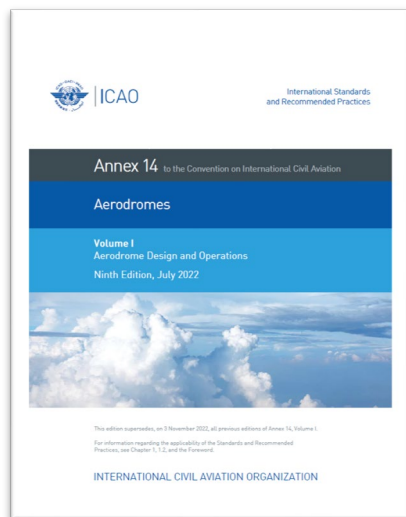
Doc 9137 Part 7

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.

Guidance Documents

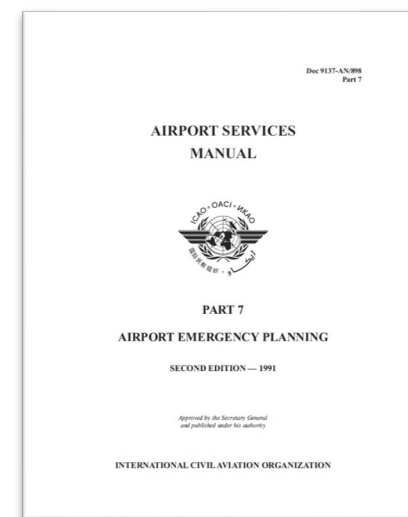
ICAO



Aerodromes
Annex 14, Vol 1



Procedures For Air Navigation Service
Aerodromes
Doc 9981

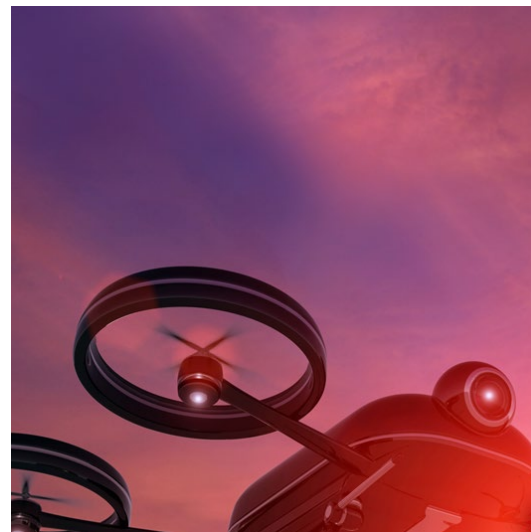


Airport Services Manual
Airport Emergency Planning
Doc 9137 Part 7

02

ICAO Airport
related
document
updates





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

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



Status of compliance of states in the CAR Region

ICAO USOAP

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%

04 Conclusion



Conclusion



States and Airports answer the questionnaire about airport emergency plan with a view to identifying the main support and needs in the region.



Continue supporting the several horizontal cooperation mechanisms in place.



Ensure coordination between plans, stakeholders.



Ensure adequate resources for an emergency and contingency situation.

Civil Aviation Authority of State

List of Proposed Questions

- 1) 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?
- 2) Does the State ensure compliance with requirements for the periodic testing and review of aerodrome emergency plans?
- 3) 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?
- 4) 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?

Airport

List of Proposed Questions

- 1) Does the airport have airport emergency plan to deal with any unusual conditions at the airport and to coordinate the plan with neighboring community authorities?
- 2) Does the scope of the airport emergency plan include command, communication and coordination functions?
- 3) What are the types of emergencies defined in your aerodrome emergency plans and procedures?
- 4) Does the airport have the materials and equipment available at the airport for the types of emergencies set out in the airport emergency plan?
- 5) Does the airport have a fixed emergency operations center available to use during an emergency?
- 6) Does the airport have a mobile command post available at the airport to use during an emergency?
- 7) The first step in a viable emergency plan is to have the cooperation and participation of all involved airport/community authorities. In this case, which agencies are considered in your airport emergency plan? (*predefined list with possibility to include other agencies*)

Civil Aviation Authority of State

List of Proposed Questions

- 5) 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?
- 6) Does the State have guide material for preparing the emergency plan for the airport?
- 7) What are your suggestions for the Doc 9137 p7 revision process?
- 8) What types of real emergencies occur in the State that have impacted airport operations in the last five years?

Airport

List of Proposed Questions

- 8) Is there designation of predefined color clothing with reflective lettering, helmets and vests or for use by command personnel for easy identification in an emergency?
- 9) Does the airport have communications systems linking the command post and emergency operations center with each other and with participating agencies (ex., firefighters, security, medical assistance, civil defense, and other government agencies)?
- 10) How often does the airport conduct a full-scale aerodrome emergency drill to test the airport emergency plan?
- 11) How often does the airport conduct a partial emergency exercises to test the airport emergency plan?
- 12) How many modular emergency tests does the airport conduct in a year to test the airport emergency plan?
- 13) The aircraft emergency plan is revised after testing or after an actual emergency to correct any deficiencies found during such exercises or emergency?
- 14) What types of real emergencies have occurred at the airport in the last five years?

Decision

NAM/CAR/CONT/03

Draft DECISION NAM/CAR/CONT/03/XX		INFORMATION REQUEST	
What: <p>That considering the importance of preparation and planning at the airport level to respond to contingencies and crises, states complete the proposed questionnaire to identify projects and support activities in this area.</p>		Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Operational/Technical	
Why: To collect the information about airport emergency plan (considering: preplanning BEFORE an emergency; operations DURING the emergency; and support and documentation AFTER the emergency) to identifying the main support and needs in the CAR Region.			
When: June/2023		Status: <input type="checkbox"/> Valid / <input type="checkbox"/> Superseded / <input type="checkbox"/> Completed	
Who: <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO <input checked="" type="checkbox"/> Other:		<i>Responsible: ICAO Secretariat</i>	



Thank You!