



Implementation of the ICAO Health Related SARPs & Documents

CAPSCA AFRICA Annual Meeting
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Nika Meheza Manzi

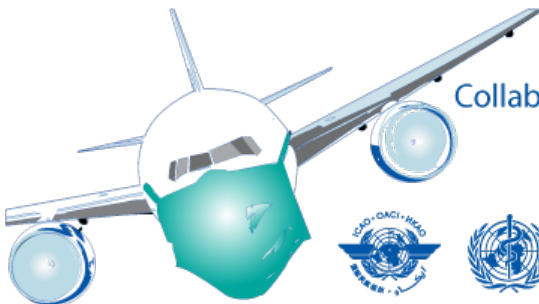
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International Civil Aviation Organization

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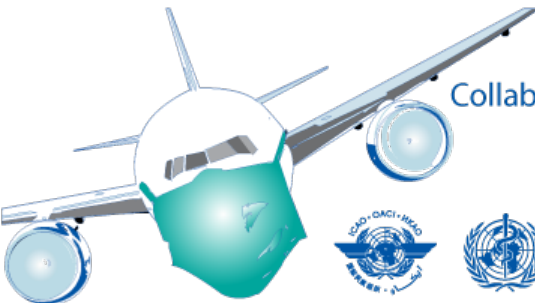
Plan

- ➔ **The Chicago Convention**
- ➔ **ICAO SARPs related to Public Health**
- ➔ **Plans and procedures to be developed**
- ➔ **Implementation by stakeholders**

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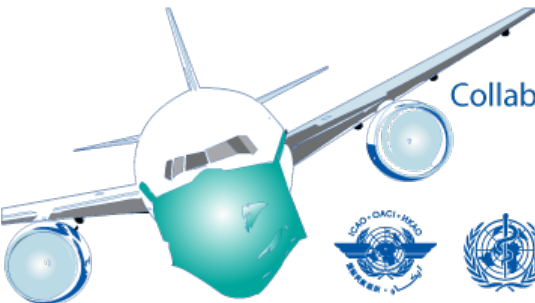
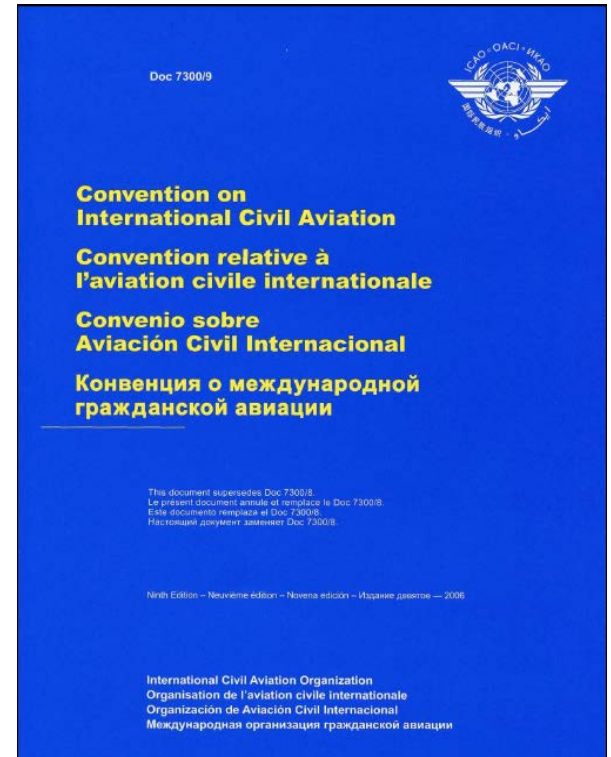




Article 14, Chicago Convention – signed by 191 States

Prevention of spread of disease

Each contracting State agrees to take effective measures to **prevent the spread by means of air navigation** of cholera, typhus (epidemic), smallpox, yellow fever, plague, and **such other communicable diseases as the contracting States shall from time to time decide to designate**, and to that end contracting States will keep in **close consultation with the agencies concerned** with international regulations relating to sanitary measures applicable to aircraft.



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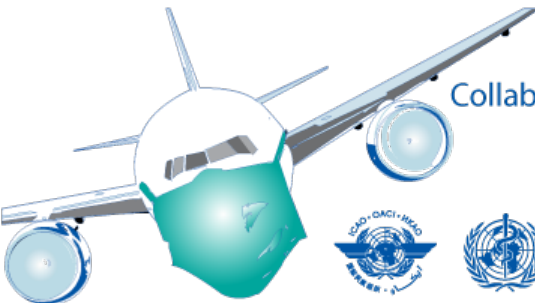
ICAO SARPs related to Public health

- Annex 6 - Operation of Aircraft
- Annex 9 - Facilitation
- Annex 11 - Air Traffic Services
 - Doc 4444 - Procedures for Air Navigation Services-Air Traffic Management
- Annex 14 - Aerodromes
- Annex 18 - The Safe Transport of Dangerous Goods by Air



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ICAO SARPs related to Public health

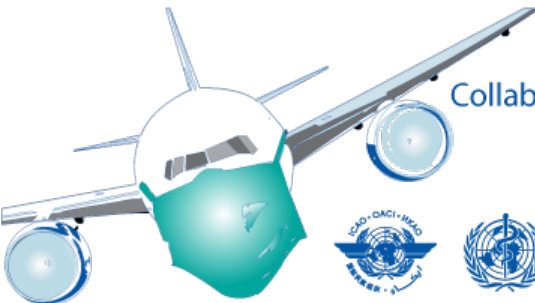
- Requirements

- **Annex 6 — Operation of Aircraft, Part I — International Commercial Air Transport — Aeroplanes** (carriage of Universal Precaution Kit for cabin crew to manage a public health event on board)
 - *Chapter 6. Aeroplane instruments, equipment and flight documents*
 - *Attachment B. First-aid medical supplies*
- **Annex 9 — Facilitation** (Implementation of IHR / National aviation plan)
 - *Chapter 8. Other facilitation provisions*
 - *Appendix 1. General declaration*
 - *Appendix 13. Public health passenger locator card*

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ICAO SARPs related to Public health

- Requirements

- **Annex 11 — Air Traffic Services** (Contingency planning for public health events affecting civil aviation)

- Chapter 2. General
- Attachment C. Material relating to contingency planning

- **Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM, Doc 4444)** (Communication procedures)

- Chapter 16. Miscellaneous procedures

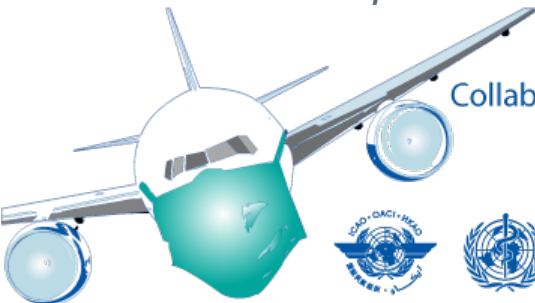
- **Annex 14 — Aerodromes** (Aerodrome emergency planning including public health emergencies)

- Chapter 9. Aerodrome operational services, equipment and installations

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NOTIFICATION OF SUSPECTED COMMUNICABLE DISEASE, OR OTHER PUBLIC HEALTH RISK, ON BOARD AN AIRCRAFT



ICAO Aircraft General Declaration - Declaration of Health (signs/symptoms)
(ICAO Annex 9, Appendix 1 & IHR (2005) Annex 9)

- Airport Operator
- **Public Health Authority**
- Other agency(ies)

- Aircraft Callsign (ID)
- Dep. Aerodrome
- Dest. Aerodrome
- Est. Time Arrival
- Number of persons on board
- Number of suspect cases
- Nature of public health risk

- Airport Operator
- **Public Health Authority**
- Other agency(ies)

Aircraft Operator (or handling agency) at destination aerodrome incl. ground-based medical services provider (if available)

Via local procedure (Aerodrome Emergency Plan)



Voice or data link e.g. AFTN*

Destination Aerodrome Air Traffic Services

Via local procedure (Aerodrome Emergency Plan)

Departure Aerodrome Air Traffic Services

Air Traffic Controller

Voice or data link e.g. AFTN*

*AFTN = Aeronautical Fixed Telecommunication Network

ICAO SARPs related to Public health

Aerodrome emergency planning

- **Annex 14 - 9.1.1** An aerodrome emergency plan shall be established at an aerodrome, commensurate with the aircraft operations and other activities conducted at the aerodrome
- **Annex 14 - 9.1.2** The aerodrome emergency plan shall provide for the coordination of the actions to be taken in an emergency occurring at an aerodrome or in its vicinity.
 - *Note 1.— Examples of emergencies are: aircraft emergencies, sabotage including bomb threats, unlawfully seized aircraft, dangerous goods occurrences, building fires, natural disaster and **public health emergencies**.*
 - *Note 2.— **Examples of public health emergencies are increased risk of travellers or cargo spreading a serious communicable disease internationally through air transport and severe outbreak of a communicable disease potentially affecting a large proportion of aerodrome staff.***

Plans and Procedures for Public Health Emergencies in the Aviation Sector

- **International Health Regulations (IHR) published by WHO**
- **ICAO An. 6, 9, 11, 14 & Docs 4444 (PANS-ATM), 9284 (DG)**

- **National Public Health Emergency Contingency Plan (PHA)**

- **National Aviation Regulations with standards related to public health (CAA)**

- **National Aviation Plan for a Public Health Emergency (CAA)**

- **Airport (PoE) Public Health Emergency Contingency Plan – PHECP (PHA, CAA & Airport)**

Aerodrome Emergency Plan and Aerodrome Manual including public health emergencies

Air Traffic Services (ATS) contingency plan including public health emergencies

ATS Procedures for PIC notification of suspected public health risk on board an aircraft

Aircraft Operators Procedures for mgmt of suspected public health risk on board an aircraft

Business Continuity Management Plans and Procedures for Airports, Airlines & ANSPs



Emergency/Contingency Plans

	Civil Aviation	Public Health
National	<p>National Aviation Plan for a Public Health Emergency</p> <ul style="list-style-type: none"> ICAO Annex 9 <ul style="list-style-type: none"> ICAO Facilitation Manual CAPSCA Template for an Aviation Public Health Emergency Preparedness Plan 	<p>National Public Health Emergency Contingency Plan – Aviation & PoEs</p> <ul style="list-style-type: none"> WHO International Health Regulations (IHR)
Airport	<p>Aerodrome Emergency Plan – Public Health Emergencies – procedures for initial response to unexpected event until handing over to appropriate authority (e.g. report of suspected case on board of arriving aircraft)</p> <ul style="list-style-type: none"> ICAO Annex 14 & Doc 4444 (PANS-ATM) <ul style="list-style-type: none"> ICAO Airport Emergency Planning Manual <p>Aviation SOPs</p>	<p>Airport Public Health Emergency Contingency Plan – core capacities and procedures for managing public health event (local outbreak or PHEIC)</p> <ul style="list-style-type: none"> WHO International Health Regulations (IHR) Annex 1B <ul style="list-style-type: none"> WHO Guide for Public Health Emergency Contingency Planning at Designated Points of Entry <p>Health SOPs</p>



Implementation - General (1)

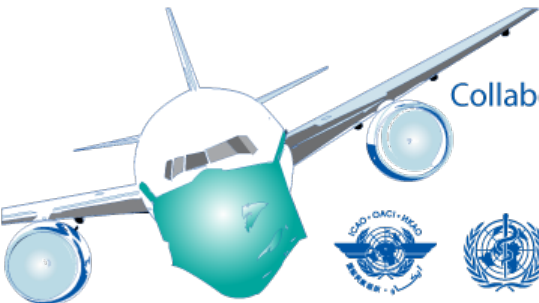
Commitment and mandate of Governments at ministerial level & top management in authorities and service providers

Formal framework, mechanism and agreement for aviation and public health authorities to work together

Communication, cooperation, coordination and collaboration between aviation and public health sectors

Complete stakeholder participation in the development of plans and preparedness

Harmonisation between national and service provider plans in both sectors



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Implementation - General (2)

No duplication of efforts between different aviation and health stakeholders

Knowledge of international standards and regulations

Use of standard procedures and terminology

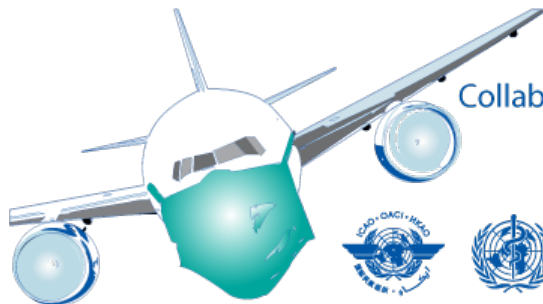
Plans and Procedures Documentation, Approval, Dissemination, Awareness, Training, Exercises

Consider local outbreak

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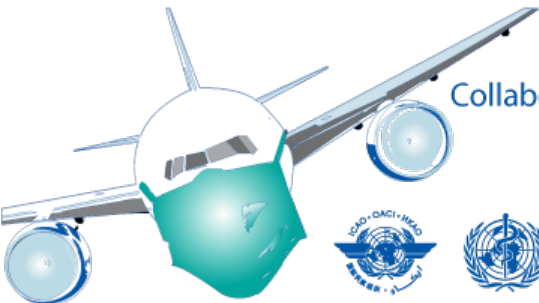
Public Health Authority (PHA)

National Public Health Emergency Plan applicable to all types of public health events

Consider and involve aviation sector

Knowledge of aviation SARPs, regulations and plans

Engage with CAA



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Civil Aviation Authority (CAA)



Civil aviation regulations include PHE related SARPs

National aviation plan for a PHE

Knowledge of PHEs and IHR

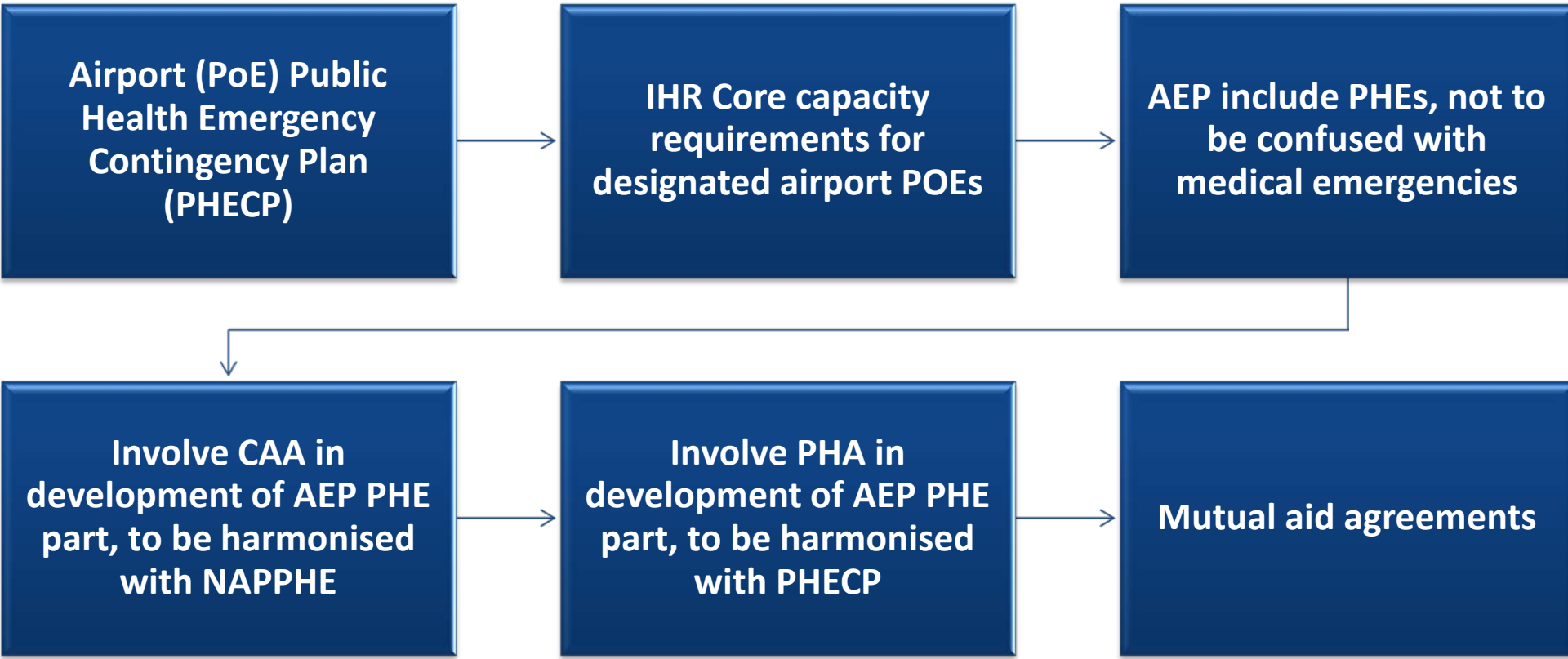
Involve PHA in the certification of aerodromes to validate implementation of public health related SARPs

Engage with PHA





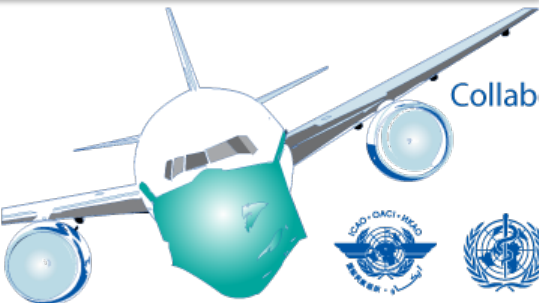
Airport Operator and Medical Services (1)



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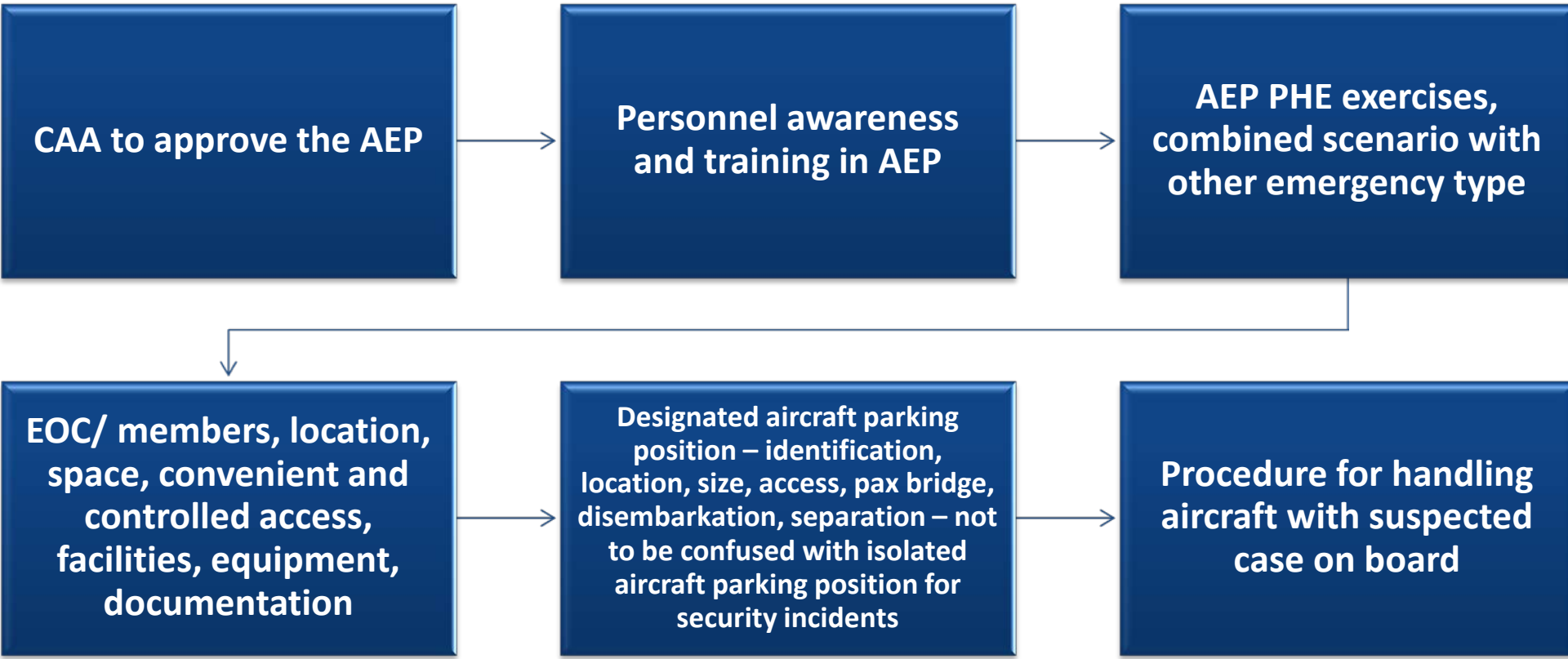
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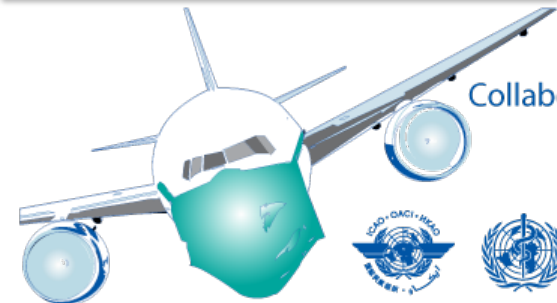
Airport Operator and Medical Services (2)



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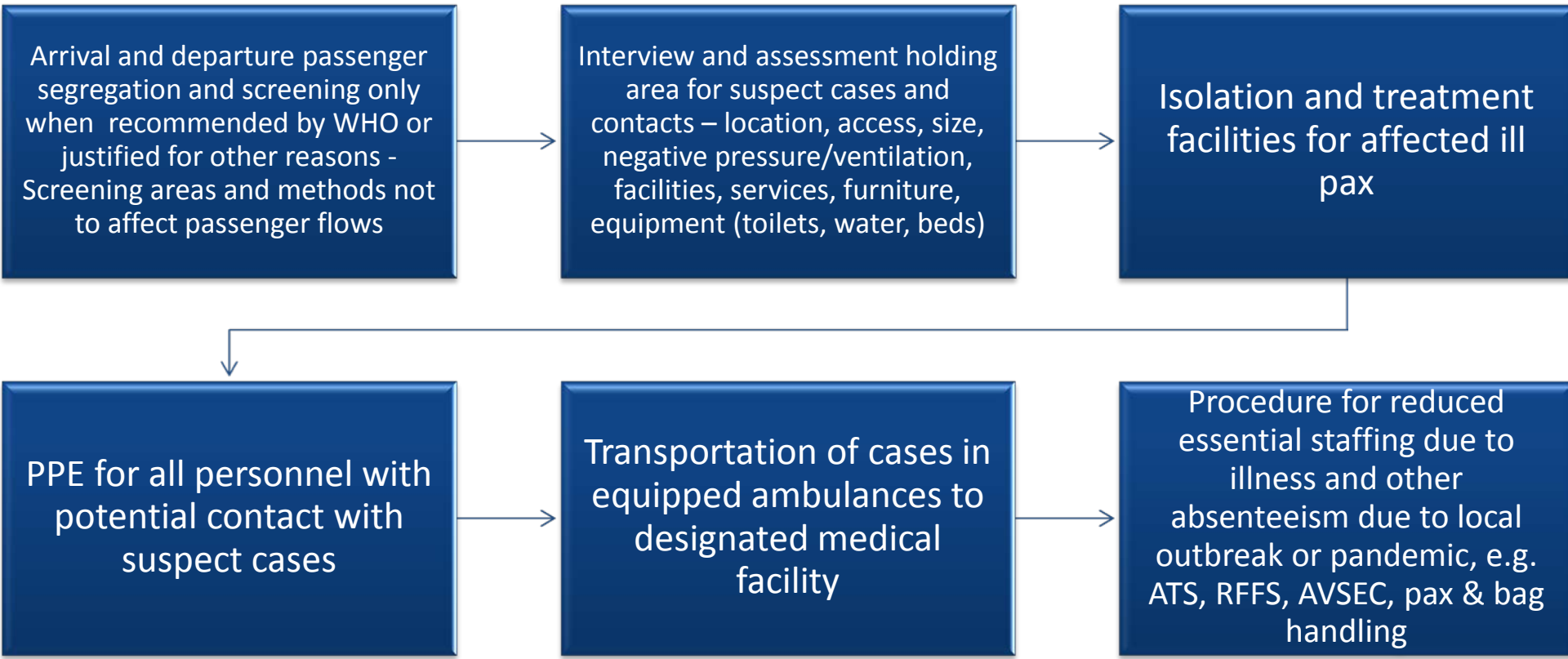
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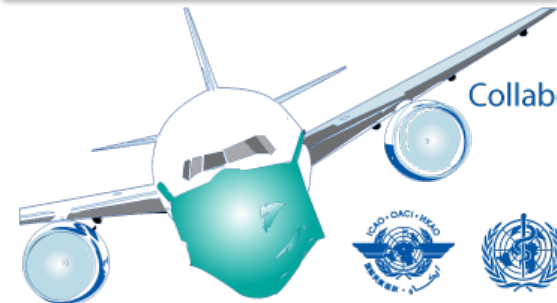
Airport Operator and Medical Services (3)



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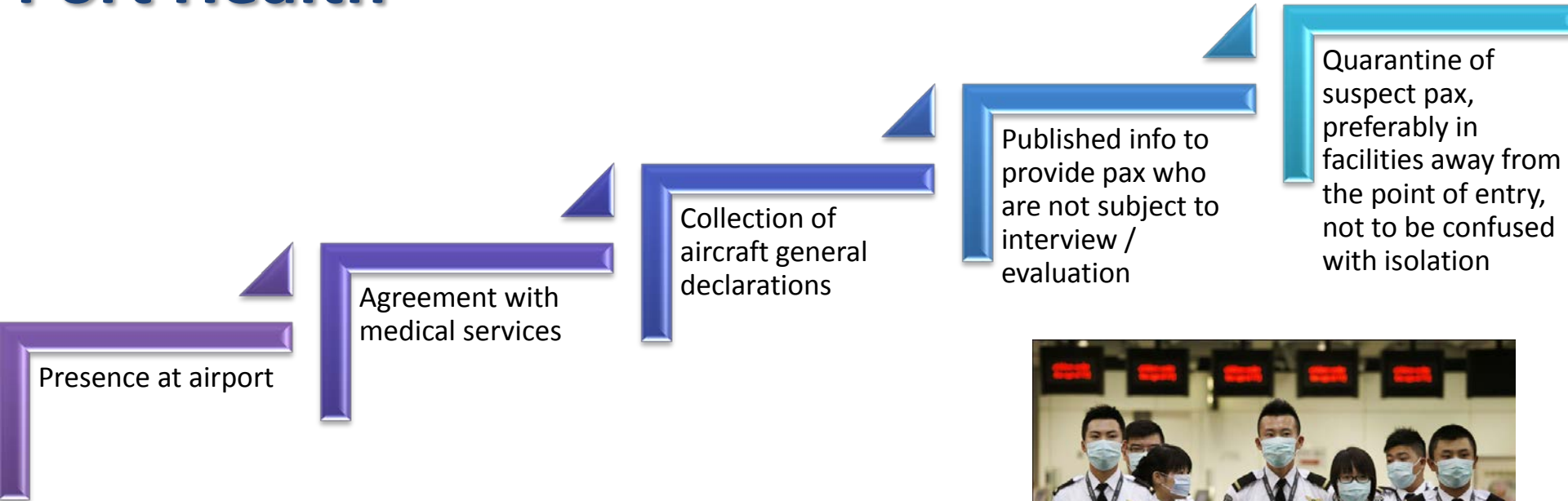
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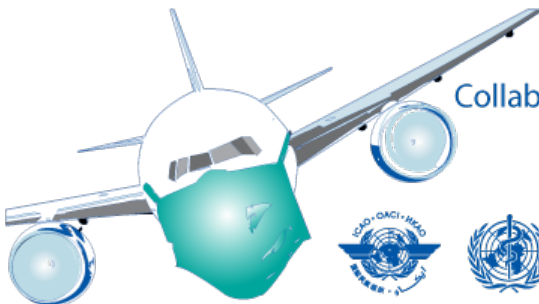
Port Health



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Air Navigation Service Provider (ANSP)



ATS contingency plans to consider PHEs



Procedure for reduced essential staffing due to illness and other absenteeism due to local outbreak or pandemic



Procedures for prompt relay of notification from aircraft to airport, airline, and PHA of suspected communicable disease, or other public health risk, on board an aircraft and communication to aircraft of the designated aircraft parking position



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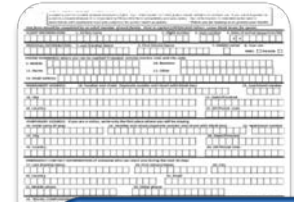
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Aircraft Operator



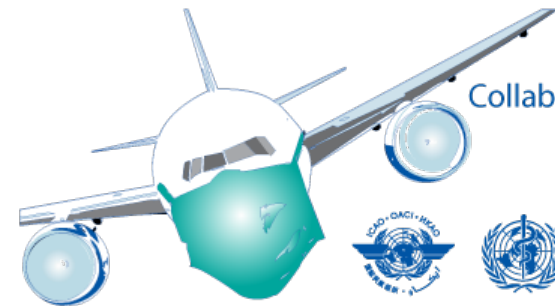
Procedures for the crew to identify, evaluate and manage a passenger with a suspected communicable disease

Procedures for the pilot-in-command to promptly notify ATC of in-flight suspected communicable disease case

Procedure for disinfection of aircraft with approved materials, not to be confused with disinsection

Template for the General Declaration including Health Part

Template for the Public Health Passenger Locator Form



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Other stakeholders (Immigration, Customs, Security, Handling ...)



Procedures for management of PHE



Involvement in the development, testing of and training in the use of aviation and airport plans and procedures



Familiarization with guidelines (ICAO, WHO, IATA, ACI, CDC) on management of PHE in aviation



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References (www.capsca.org)



ICAO Annexes 6, 9, 11, 14 SARPs



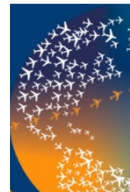
PANS-ATM (Doc 4444) & Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)



Manual of Civil Aviation Medicine (Doc 8984), Facilitation Manual (Doc. 9957) & Airport Services Manual (Doc 9137) Part 7 – Airport Emergency Planning



WHO IHR (2005)



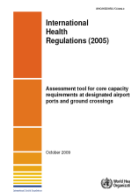
ICAO, WHO, ACI, IATA guidelines



Template for National Aviation PHE Preparedness Plan



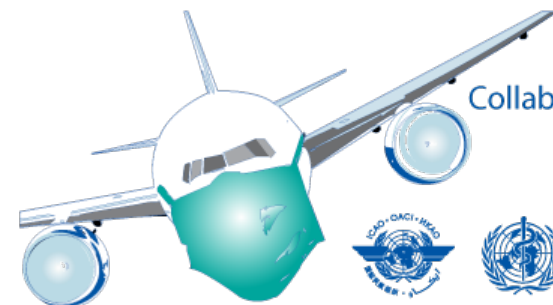
CAPSCA Assistance Visit Guidelines and Checklist



WHO IHR Assessment tool for core capacity requirements at designated airports, ports and ground crossings



ICAO USOAP Audit Protocol Questions



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UNITING AVIATION

NO COUNTRY LEFT BEHIND



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ICAO
OACI • ICAO
国际民航组织 • 国际民航组织

UNDP

WHO
Office for the Coordination of Humanitarian Affairs

WFP

IOM - OIM

Oie
World Organisation for Animal Health

IAEA
International Atomic Energy Agency

UNWTO
World Tourism Organization

ACT
AIRPORTS COUNCIL INTERNATIONAL

IFALPA
The Global Voice of Pilots

IATA

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

FAO
FIAT PANIS



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Thank you

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