Implementation of the ICAO Health Related SARPs & Documents

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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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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.
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
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

- 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)

Air Traffic Services

Destination Aerodrome
Air Traffic Services

Air Traffic Controller

Voice or data link e.g. AFTN*

*AFTN = Aeronautical Fixed Telecommunication Network

Via local procedure (Aerodrome Emergency Plan)

Voice or data link

• Airport Operator
• Public Health Authority
• Other agency(ies)

Via local procedure (Aerodrome Emergency Plan)

Voice or data link

• Airport Operator
• Public Health Authority
• Other agency(ies)

Voice or data link
ICAOSARPsrelated 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 management of suspected public health risk on board an aircraft

Business Continuity Management Plans and Procedures for Airports, Airlines & ANSPs
# Emergency/Contingency Plans

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<th>National</th>
<th>Civil Aviation</th>
<th>Public Health</th>
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<td>• ICAO Annex 9</td>
<td>• WHO International Health Regulations (IHR)</td>
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<td>• ICAO Facilitation Manual</td>
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<tr>
<td>• CAPSCA Template for an Aviation Public Health Emergency Preparedness Plan</td>
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<th>Airport</th>
<th>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)</th>
<th>Airport Public Health Emergency Contingency Plan – core capacities and procedures for managing public health event (local outbreak or PHEIC)</th>
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<td>• ICAO Annex 14 &amp; Doc 4444 (PANS-ATM)</td>
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<td>• ICAO Airport Emergency Planning Manual</td>
<td>• WHO Guide for Public Health Emergency Contingency Planning at Designated Points of Entry</td>
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<td>Health SOPs</td>
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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)

Consider and involve aviation sector

Knowledge of aviation SARPs, regulations and plans

Engage with CAA

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

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Airport Operator and Medical Services (1)

Airport (PoE) Public Health Emergency Contingency Plan (PHECP)

IHR Core capacity requirements for designated airport POEs

AEP include PHEs, not to be confused with medical emergencies

Involve CAA in development of AEP PHE part, to be harmonised with NAPPHE

Involve PHA in development of AEP PHE part, to be harmonised with PHECP

Mutual aid agreements

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Airport Operator and Medical Services (2)

CAA to approve the AEP

Personnel awareness and training in AEP

AEP PHE exercises, combined scenario with other emergency type

EOC/ members, location, space, convenient and controlled access, facilities, equipment, documentation

Designated aircraft parking position – identification, location, size, access, pax bridge, disembarkation, separation – not to be confused with isolated aircraft parking position for security incidents

Procedure for handling aircraft with suspected case on board

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Airport Operator and Medical Services (3)

- Arrival and departure passenger segregation and screening only when recommended by WHO or justified for other reasons. Screening areas and methods not to affect passenger flows.
- Interview and assessment holding area for suspect cases and contacts – location, access, size, negative pressure/ventilation, facilities, services, furniture, equipment (toilets, water, beds).
- Isolation and treatment facilities for affected ill pax.
- PPE for all personnel with potential contact with suspect cases.
- Transportation of cases in equipped ambulances to designated medical facility.
- Procedure for reduced essential staffing due to illness and other absenteeism due to local outbreak or pandemic, e.g. ATS, RFFS, AVSEC, pax & bag handling.

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Port Health

- Presence at airport
- Agreement with medical services
- Collection of aircraft general declarations
- Published info to provide pax who are not subject to interview / evaluation
- Quarantine of suspect pax, preferably in facilities away from the point of entry, not to be confused with isolation

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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
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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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

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

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References
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- ICAO Annexes 6, 9, 11, 14 SARPs
- PANS-ATM (Doc 4444) & Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)
- WHO IHR (2005)
- ICAO, WHO, ACI, IATA guidelines
- CAPSCA Assistance Visit Guidelines and Checklist
- WHO IHR Assessment tool for core capacity requirements at designated airports, ports and ground crossings
- Template for National Aviation PHE Preparedness Plan
- ICAO USOAP Audit Protocol Questions
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