

1. ICAO Role in Public Health EVD

Incl Guidance Materials

2. Glossary of public health and aviation terminology

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WHO Ebola Emergency Committee

http://www.who.int/ihr/ihr_ecEbola/en/



- The EC gives guidance to Dr Margaret Chan - WHO Director General
- ICAO has been invited to provide an adviser to the Emergency Committee

Joint Ebola Travel and Transport Task Force



- ICAO chairs the Task Force
- Meets by teleconference
- Eleven meetings to date – now in sleep mode
- Members:
 - UN agencies: ICAO, WHO, IMO, UNWTO
 - Industry representatives: IATA, ACI, Cruise Lines International Association; International Chamber of Shipping
- Coordinated public statements
- Reviews WHO Ebola related documents that impact the transport sector

Collaboration with US Centers for Disease Control and Prevention (CDC)

<http://www.cdc.gov/vhf/ebola/>



- With WHO, IATA and ACI
- Assists CDC with development of procedures and guidance on management of EVD in the aviation sector (especially screening)
 - CDC provides expertise and guidance for exit screening in west Africa

MOU with UNDP on “Operational Aspects of Ebola Response Multi-Partner Trust Fund”



- Signed 29 September 2014, between ICAO and UNDP
- Approximately 10 other UN agencies have signed
- Titled: “Operational Aspects of Ebola Response Multi-Partner Trust Fund”
- Trust Fund will support the relief operation in west Africa-**resources for this training event!**



ICAO works closely with WHO

- Assists with development of WHO guidance material
 - With CDC, IATA, ACI

Joint WHO/ICAO State letter

<https://portal.icao.int/icao-net/Pages/StateLetters2014.aspx>



- Signed 29 August 2014, to Ministers of Health and Ministers Responsible for Civil Aviation
- Urges States to impose *proportionate* measures in civil aviation



World Health Organization



International Civil Aviation Organization
Organisation de l'Aviation civile internationale
Organización de Aviación Civil Internacional
Международная организация гражданской авиации
منظمة الطيران المدني الدولي
國際民用航空組織
999 University Street, Montréal, Québec, Canada H3C 5H7

Tel.: +1 514-954-8150

Ref: AN5/29-14/67 29 August 2014

Subject: Public Health Emergency –
Ebola Virus Disease (EVD)

Action required: Take urgent action as appropriate

Dear Ministers of Health and Ministers Responsible for Civil Aviation,

We are facing a public health emergency of international concern. The outbreak of Ebola virus disease is unprecedented in its size, severity and complexity. This is an extraordinary outbreak that requires extraordinary measures for containment. Extensive and comprehensive mobilization of the

iSTARS/SPACE Application

- Developed to track issuance of NOTAMS on Ebola

- <https://portal.icao.int/space/Pages/Notices-To-Airmen.aspx>

Password protected but available to governments and international organizations



The screenshot displays the 'SPACE iSTARS 2.0' web application. The main heading is 'Notices To Airmen' with a sub-heading 'Global repository of actual NOTAMS'. A search bar is visible with the text 'NOTAM' entered. Below the search bar, there is a line graph titled 'Active Notams' showing the number of NOTAMS over time from September 2014 to April 2015. The graph shows a significant peak in late 2014. Below the graph, a list of NOTAMS is shown, including:

- A1088/14 - TTZF (Trinidad and Tobago): Not listed Plain language**
 - Period: 2014-10-20T22:45:00.000Z - 2015-01-20T23:59:00.000Z
 - Q-Code (XXXX): **Other Information** **Other Information** **Other** **Not listed** **Plain language**
- A1539/14 - FEXX (Central African Republic): Aerodrome Plain language**
 - Period: 2014-10-04T08:49:00.000Z - 2014-12-04T23:59:00.000Z
 - Q-Code (XXXX): **AGA** **Facilities and services** **Other** **Aerodrome** **Plain language**
- A0248/14 - FLFI (Zambia): Not listed Plain language**
 - Period: 2014-10-01T13:45:00.000Z - 2014-12-31T23:59:00.000Z
 - Q-Code (XXXX): **Other Information** **Other Information** **Other** **Not listed** **Plain language**

ICAO Action Plan

- Outcome of meeting of African States and Organizations in Montreal 1 October 2014
- To facilitate harmonized implementation of WHO recommendations relevant to the aviation sector
- Dakar training (with Assistance Visits to States) comprises a major part of the Action Plan
 - <http://www.capsca.org/EbolaRefs.html>

Summary – ICAO's role

- ICAO is involved in the Ebola response
- Primary roles:
 - Coordination
 - Chair of Joint Travel and Transport Task Force
 - Provision of advice on public health issues
 - Advisor to WHO Ebola Emergency Committee
 - WHO/ICAO joint State letter
 - Development of WHO and CDC guidance documents
 - Support of WHO and UN response
 - Signatory to UN Ebola Response Trust Fund



International Civil Aviation Organization

ICAO documentation

Most useful document:

“ICAO Health Related Documents”

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA)

Introduction & Objectives
Click here for more information

Partners CAPSCA
Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

Target on: Ebola

Global

Regional

Organization: ICAO, States, WHO IHR video, CFIA - Lessons Learned

Events: 31

Regions: ASIA-PAC, AFI, Americas, EUR, MID

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PIO 06/11 (1 April 2011) – Current Radiation Levels in Japan and Travel Advice	     
PIO 06/09 (20 May 2009) – ICAO Drives Pandemic Contingency Plans for Aviation Sector	     
SKYbrary – Public Health and Aviation Website	
Management of public health emergencies in aviation – GRF Davos One Health Summit 2012	

SARPs & Guidelines

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Subject	Languages and File Format
	     
ICAO Health Related Documents (updated December 2014)	     
Guidelines for States Concerning the Management of Communicable Disease Posing a Serious Public Health Risk	     
Template For An Aviation Public Health Emergency Preparedness Plan	  
Glossary of Aviation and Public Health Terms	

Forms

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Subject	Languages and File Format
	     
Annex 9 – Facilitation, Appendix 1 – General Declaration	     
Annex 9 – Facilitation, Appendix 13 – Public Health Passenger Locator Form (PLF) (revised 29 October 2012)	     
Annex 9 – Facilitation – Guidelines on Completing the PLF	     

Index of ICAO health related documents



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Ebola specific references



Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA)

Introduction & Objectives

Click here for more information










Partners

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation












Global

Organization

31 Events

References

ICAO

States

WHO IHR video

TOWARDS A SAFER WORLD

CFIA - Lessons Learned

Regional



ASIA-PAC AFI Americas EUR MID

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Contact us: Dr. Anthony Evans M.D., C/MED

All aviation related references to Ebola



ICAO References

WHO References

Joint ICAO & WHO References

References from other entities

Ebola Specific References for Aviation Guidance, Reports & Training

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Subject	Languages and File Format
	EN FR ES RU AR ZH
ICAO iSTARS - Notices to Airmen (NOTAMS) Application	Web Link
DGCA/51/DP/3.3A/2 – 51st Conference of Directors General of Civil Aviation Asia and Pacific Regions – Hong Kong, China 24 - 27 November 2014 <ul style="list-style-type: none"> Agenda Item 3.3A: Emerging Issues in Aviation Recognizing the Role of Aviation in the Ebola Outbreak and other Public Health Emergencies 	
List of Conclusions, 5th CAPSCA Global Coordination Meeting, Cairo, Egypt, 17 - 20 November 2014	Web Link
Oral Report – Update on the Ebola Virus Disease Outbreak – 23 October 2014	
ICAO News Release: Joint Statement on Ebola Virus Disease (EVD) Outbreak – 18 August 2014	
Ebola Virus Disease (EVD) - WHO declares a Public Health Emergency of International Concern (PHEIC) under the International Health Regulations (IHR) – Ref: EB 2014/54 – 14 August 2014	
ICAO and World Health Organization Collaboration on Ebola Outbreak – Ref.: COM.29.14, 30 July 2014	
ica Regional Meeting, 14 - 17 July 2014	



International Civil Aviation Organization

Glossary of Public Health Event Related Terminology

Public health and aviation terminology

- References

- IHR (2005) Article 1 – Definitions
- ICAO Annex 1 (Personnel Licensing)
- ICAO Annex 6 (Aircraft Operations)
- ICAO Annex 9 (Facilitation)
- ICAO Annex 11 (Air Traffic Management)
- ICAO Annex 13 (Aircraft Accident Investigation)
- ICAO Annex 14 (Aerodromes)
- ICAO Annex 18 (Dangerous Goods)
 - Technical Instructions



“Accident”: ICAO (WHO no equivalent)

Accident. An occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, in which:

a) a person is **fatally or seriously injured** as a result of

- being in the aircraft, or
- direct contact with any part of the aircraft, including parts which have become detached from the aircraft, or
- direct exposure to jet blast,

except when the injuries are from **natural causes**, self inflicted or inflicted by other persons, or when the injuries are to stowaways hiding outside the areas normally available to the passengers and crew: or

b) the aircraft sustains **damage** or structural failure which:

- adversely affects the structural strength, performance or flight characteristics of the aircraft, and
- would normally require **major repair** or replacement of the affected component,

except for engine failure or damage. when the damage is limited to the engine, its cowlings or accessories: or for damage limited to propellers, wing tips, antennas, tires, brakes, fairings, small dents or puncture holes in the aircraft skin: or

c) the aircraft is missing or is completely inaccessible.

“Affected”

- WHO: persons, baggage, cargo, containers, conveyances, goods, postal parcels or human remains that are infected or contaminated, or carry sources of infection or contamination, so as to constitute a public health risk
- ICAO: no equivalent

“Airport” and “Aerodrome”

- WHO: airport: any airport where international flights arrive or depart
- ICAO: aerodrome: a defined area on land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.
 - ICAO has no definition for “airport”

Aerodrome Certificate – care needed!

- **ICAO** - A certificate issued by the appropriate authority under applicable regulations for the operation of an aerodrome.
 - Issued by a national civil aviation authority to an aerodrome in the same State
- **WHO** – Certification that an airport meets the requirements set out in IHR(2005) Annex 1 – *Core Capacity Requirements for Surveillance and Response*. “Designated” Airports

“Aircraft”

- WHO: Any aircraft making an international voyage
- ICAO: Any machine that can derive support in the atmosphere from the reactions of the air other than the reactions of the air against the earth's surface.

“Cargo”

- WHO: goods carried on a conveyance or in a container.
- ICAO Annex 18 (Dangerous Goods technical instructions):
 - Any property carried on an aircraft other than mail and accompanied or mishandled baggage.
- ICAO Annex 9 (Facilitation):
 - Any property carried on an aircraft other than mail, stores and accompanied or mishandled baggage.

“Contaminate” – very different...

- WHO:
 - contamination means the presence of an infectious or toxic agent or matter on a human or animal body surface, in or on a product prepared for consumption or on other inanimate objects, including conveyances, that may constitute a public health risk.
- ICAO:
 - A runway is contaminated when more than 25 per cent of the runway surface area (whether in isolated areas or not) within the required length and width being used is covered by:
 - water, or slush more than 3 mm (0.125 in) deep;
 - loose snow more than 20 mm (0.75 in) deep; or
 - compacted snow or ice, including wet ice.

“Crew” – often used inappropriately

- WHO: persons on board a conveyance who are not passengers
- ICAO: **Crew member**. A person assigned by an operator to duty on an aircraft during a flight duty period.
 - **Flight crew member**. A licensed crew member charged with duties essential to the operation of an aircraft during a flight duty period.
 - **Cabin crew member**. A crew member who performs, in the interest of safety of passengers, duties assigned by the operator or the pilot-in-command of the aircraft, but who shall not act as a flight crew member.

Titles – individual, together?



Title – individual, group?



“Flight Crew”

ICAO

- ***Pilot-in-command.*** The pilot designated by the operator, or in the case of general aviation, the owner, as being in command and charged with the safe conduct of a flight.
- ***Co-pilot.*** A licensed pilot serving in any piloting capacity other than as pilot-in-command but excluding a pilot who is on board the aircraft for the sole purpose of receiving flight instruction.
- ***[Pilot (to).*** To manipulate the flight controls of an aircraft during flight time].

Process?



Process?



“Disinfection” and “Disinsection”

WHO:

- **Disinfection:** the procedure whereby health measures are taken to control or kill infectious agents on a human or animal body surface or in or on baggage, cargo, containers, conveyances, goods and postal parcels by direct exposure to chemical or physical agents
- **Disinsection:** the procedure whereby health measures are taken to control or kill the insect vectors of human diseases present in baggage, cargo, containers, conveyances, goods and postal parcels

ICAO: No equivalent



“Isolation” and “Quarantine”

WHO:

Isolation: separation of ill or contaminated persons or affected baggage, containers, conveyances, goods or postal parcels from others in such a manner as to prevent the spread of infection or contamination

Quarantine: restriction of activities and/or separation from others of suspect persons who are not ill or of suspect baggage, containers, conveyances or goods in such a manner as to prevent the possible spread of infection or contamination

“Isolated Parking Position”

ICAO Annex 14:

3.14.1 An isolated aircraft parking position shall be designated or the aerodrome control tower shall be advised of an area or areas suitable for the parking of an aircraft which is known or believed to be the subject of unlawful interference, or which for other reasons needs isolation from normal aerodrome activities.

3.14.2 **Recommendation.**— *The isolated aircraft parking position should be **located at the maximum distance practicable and in any case never less than 100 m from other parking positions, buildings or public areas, etc.** Care should be taken to ensure that the position is not located over underground utilities such as gas and aviation fuel and, to the extent feasible, electrical or communication cables.*

An isolated parking position....

- Is **NOT required** for an affected aircraft carrying a case of **suspected communicable disease**



“Passenger”

- No ICAO or WHO definition

“Recommendations” and “Recommended”

- WHO: temporary or standing recommendations issued under these Regulations
- ICAO: *Recommended Practice*: Any specification for physical characteristics, configuration, matériel, performance, personnel or procedure, the uniform application of which is recognized as desirable in the interest of safety, regularity or efficiency of international air navigation, and to which Contracting States will endeavour to conform in accordance with the Convention. [cf Standard]

“Standard”

- ICAO:
 - Any specification for physical characteristics, configuration, matériel, performance, personnel or procedure, the uniform application of which is recognized as necessary for the safety or regularity of international air navigation and to which Contracting States will conform in accordance with the Convention; in the event of impossibility of compliance, notification to the Council is compulsory under Article 38

ICAO Standards and Recommended Practices



- There are many thousands of them
- Found in the 19 Annexes to the Convention on International Civil Aviation
- Abbreviated to **SARPS**
- Often called the ICAO **provisions**
- There are many SARPS addressing public health event management in ICAO Annexes

“Surveillance”

- **WHO:** systematic ongoing collection, collation and analysis of data for public health purposes and the timely dissemination of public health information for assessment and public health response as necessary.
- **ICAO:** A function of the system which provides identification and accurate position information on aircraft, vehicles and obstacles within the designated area.

“Traveller”

- **WHO:** a natural person undertaking an international voyage
- **ICAO:** no equivalent

“Vector” – very different meanings

- **WHO:** an insect or other animal which normally transports an infectious agent that constitutes a public health risk.
- **ICAO:** provision of navigational guidance to aircraft in the form of specific headings, based on the use of an ATS [air traffic services] surveillance system.



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