



| ICAO | UNITING AVIATION

ICAO Session

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Chief, Aviation Medicine Section, ICAO

Las Vegas/ May 2019





1. Brief update on ICAO current issues
2. EASA Pilots' age limits study – Janis Vegers
3. Comparing Methods to Evaluate Cognitive Deficits in Commercial Airline Pilots – Dr Joshua Pocock
4. Aviation safety versus medical confidentiality – Annemarie Schuite
5. ICAO Medical Confidentiality survey feedback



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Health Promotion

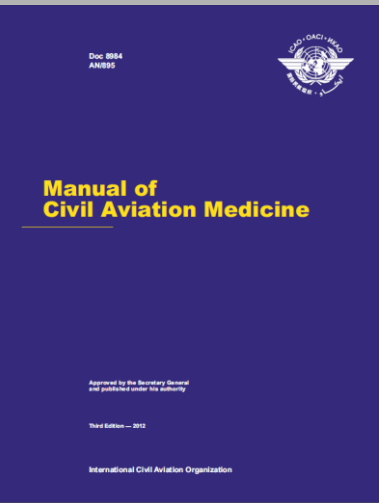


Table of Contents:

**Chapter 1
UNDERSTANDING
CARDIOVASCULAR RISK**



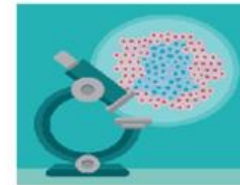
**Chapter 2
HOW TO KEEP MENTALLY
WELL**



**Chapter 3
IMPACT OF ALCOHOL AND
DRUGS ON PERFORMANCE
AND HEALTH**



**Chapter 4
WHAT WE KNOW ABOUT
CANCER**



**Chapter 5
HOW TO REDUCE YOUR
HEALTH RISKS FROM
MUSCULOSKELETAL INJURY**



**Chapter 6
NUTRITION AND WEIGHT
MANAGEMENT**



**Chapter 7
SLEEP AND THE IMPACT
OF MEDICAL CONDITIONS**



**Chapter 8
TRAVEL
HEALTH**



**Chapter 9
HEARING
AND VISION**

**Annexes
ANNEX 1
ANNEX 2**

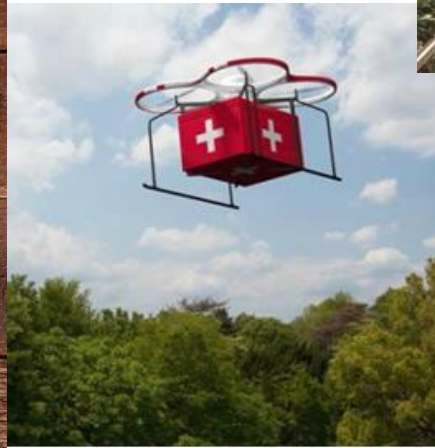




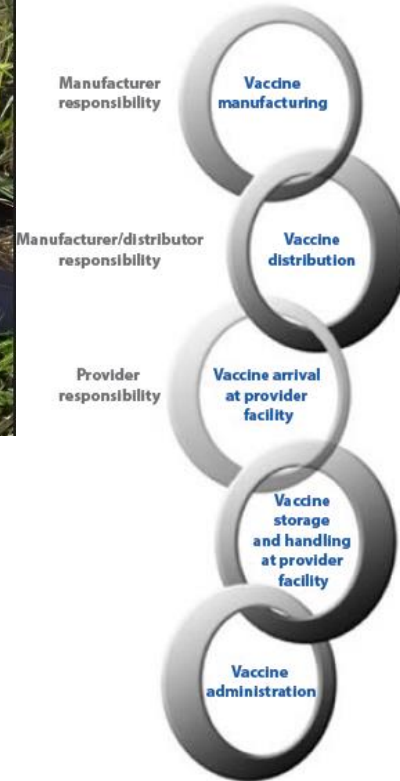
Statement	Question
Higher life expectancy	Equate to better health?
Improved healthcare & medical technology	Available everywhere?
Medical/ operational limitations	Justified on age or data driven evidence?
Frequency of medical/ operational checks	Justified on age or data driven evidence?
Type of additional checks	Justified on age or data driven evidence?
Role of automation	RPAS, response to system failure?
Additional training (flight, incapacity)	Limited under certain operational circumstances
Total pilot flight hours and experience	Protective effect – number and type of hours ?
Recent pilot flight hours and experience	Protective – how recent and type-specific?
Individual functional assessment as opposed to cohort	Applicable to all pilots, or after a certain age?



RPAS and humanitarian aid



Cold chain flow chart





Medical certification in general aviation

Individual certification	Medical system	Aviation system
Self-certification of pilots	Driver's licence	Operational conditions
	Professional drivers licence	Functional competency of pilots
	GP certification	Aircraft size and weight
	Aviation Medical Examiner	Aircraft Technology
	Medical Assessor	Carriage of passengers
	Accredited medical conclusion	Flight for compensation
		Sharing of airspace





- Accident investigation panel
 - Considered mandatory testing after accidents or serious incidents
 - Identified need for more medical information and data
 - Referred to the MPSG (Medical Provisions Study Group)
- Included in State Letter on sharing of medical confidential information
- State Letter planned on testing practices of different countries
- Alcohol and Substance Work group
 - Commence June/ July 2019
 - Guidance material development
 - Review of ICAO document on alcohol and substance use and abuse
 - Need for SARPs amendment



- **Data review** in relation accident rate, serious incidents, medical incapacity events during flight and loss of licence due to mental health.
- Review of **global legislation and policies** on mental health and public safety.
- Review **guidance material** in Civil Aviation Medical Manual.
- Review **training** of aviation medical examiners (AMEs) in relation to mental health.
- Develop proposal and guidance material **balancing medical confidentiality & aviation safety**.
- Provide advice on the **role of psychological assessment, psychometric testing and psychiatric assessment** during the aviation medical assessment.
- Provide advice on the **role of simulator assessment** in fitness to fly.
- Review/develop **risk assessment tool** for fitness to fly.
- Develop a Statement on **mental health promotion material** and distribution channels.
- Develop a Statement on the role of **Peer Support Programmes** – for both aircrew and AMEs.



- Vision and colour vision
- Air ambulances
- RPAS – guidance material for AME's
- CAPSCA – infectious diseases

Will commence once other work groups are fully operational



Methods and operating procedures for aircraft disinsection

Report of a WHO consultation
Geneva, 3-4 July 2018



<https://apps.who.int/iris/handle/10665/279702>

• <https://apps.who.int/iris/handle/10665/311025>

•

REPORT OF AN INTERNATIONAL CONSULTATION
METHODOLOGY FOR RISK MAPPING OF
THE INTERNATIONAL SPREAD OF VECTOR-BORNE
DISEASES VIA AIR TRAVEL

GENEVA, SWITZERLAND
5-6 JULY 2018





Doc 9541
ANM.705



TRAINAIR
PLUS



Training Development Guide
Competency-based Training Methodology



2011 | First Edition

Approved by the Secretary General and published under his authority
International Civil Aviation Organization



Network Manager
nominated by
the European Commission

EACCC EXERCISE - PANDEMIC19

JAATO / ICAO / WHO CAPSCA on-line training course



Prevention of infectious diseases

Airport Vector Control Register

Airport vector control involves taking control measures (such as spraying, trapping, etc) against vectors - which IHR defines as "an insect or other animal which normally transports and infectious agent that constitutes a public health risk" with the aim of keeping a vector free area within the 400 meters airport perimeter as stated in the IHR.

[Tutorial](#) [Request credential verification and access to register an airport](#)



Show 10 entries Search:

Airport Code	Name/City	Country	Registry Created
CYUL	Pierre Elliott Trudeau Intl - Montreal	Canada	4/5/2016 7:10:06
CYYZ	Lester B Pearson Intl - Toronto	Canada	4/5/2016 10:28:26
KJFK	Kennedy Intl - New York	USA	4/6/2016 13:44:49
LFPO	Orly - Paris	France	4/5/2016 19:04:09
LSGG	Geneva - Geneva	Switzerland	4/8/2016 12:12:18
LSZH	Zurich - Zurich	Switzerland	4/6/2016 7:28:32

Showing 1 to 6 of 6 entries Previous 1 Next

NOTAMS Information

- tags for plague: plague, bubonic, pneumonic, Yersinia pestis (bacterial species)
- tags for ebola: ebola, haemorrhagic, fever, Filoviridae
- tags for yellow fever: yellow fever, virus, mosquito
- tags for diseases in general: contagious, disease, infection, outbreak, epidemic, bacteria, virus, protozoa
- tags for diseases + aviation: quarantine, isolate, infect

A0118/18 - GMFF (Morocco)

AERODROME

Period: 2018-02-26T00:00:00.000Z - 2018-05-27T00:00:00.000Z

Q-Code (EAHW):

BUILDING WORK OF PARKING STAND ISOLATED AT 350M EAST OF SHOULDER STRAP L PRESENCE PERSONS AND EQPT. CAUTION RECOMMENDED. CREATED: 26 Feb 2018 10:29:00 SOURCE: GMMMYNYX

A0070/18 - FLFI (Zambia): Not listed Plain language

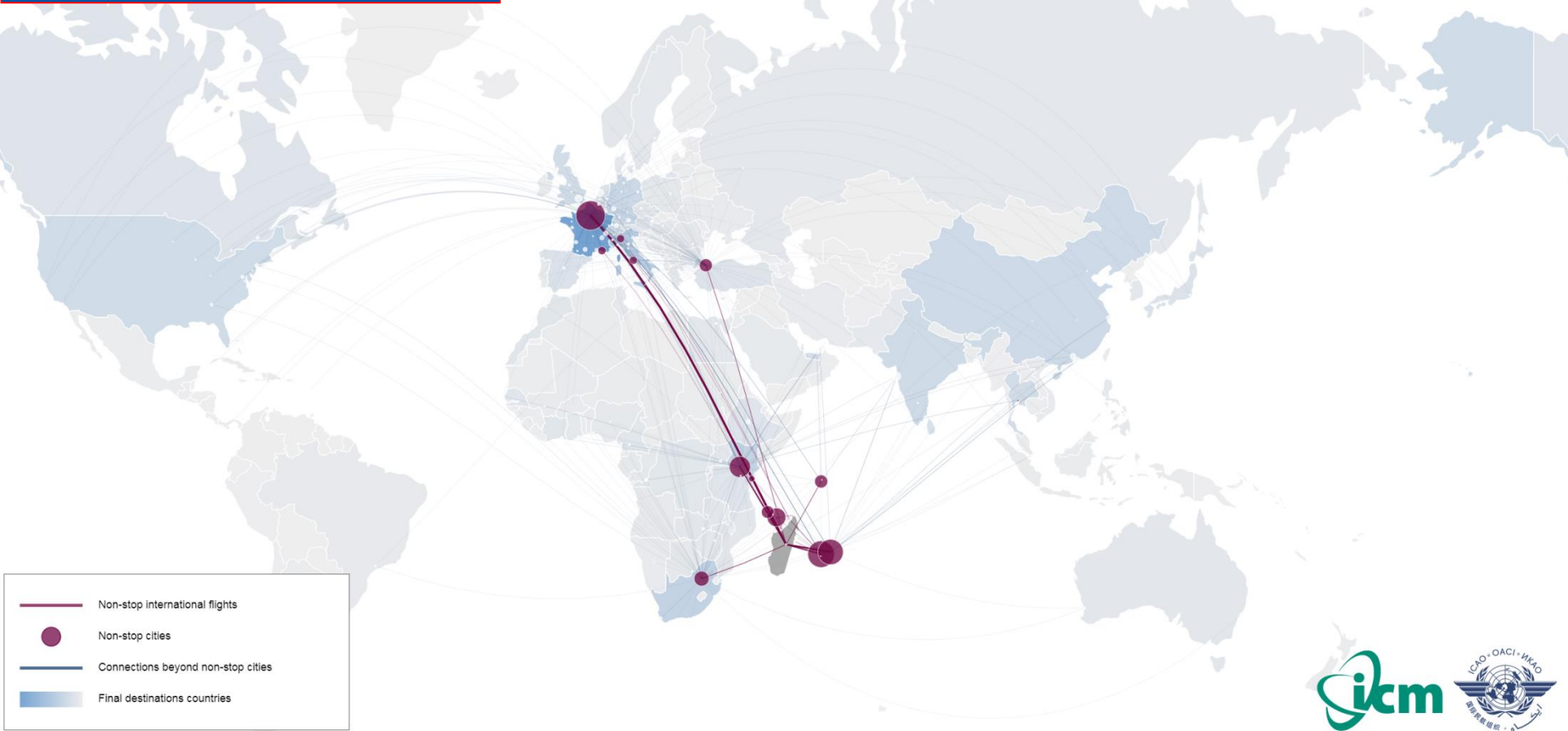
FIR

Period: 2018-02-24T00:00:00.000Z - 2018-05-24T00:00:00.000Z

Q-Code (XXXX): [Other Information](#) [Other Information](#) [Not listed](#) [Plain language](#) [Other](#)

IN VIEW OF THE ONGOING EBOLA OUTBREAK, ZAMBIA CIVIL AVIATION AUTHORITY IS REQUESTING ALL AIRMEN TO REPORT MEDICAL STS OF THEIR PAX FOR ALL INBOUND FLIGHTS AND TO COMPLY WITH HEALTH SCREENING OF PAX ENTERING THE ZAMBIAN AIRSPACE. CREATED: 24 Feb 2018 06:29:00 SOURCE: FLKKYNYX

Plague outbreak in Madagascar





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Flight Information App

Real time data as from 21 Aug 2017

Select a State

China ▼

From Date:

2017-10-01

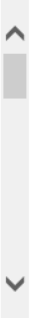
To Date:

2017-12-31

Submit

Select Airports

- ALL
- BEIJING / Capital / ZBAA
- CHANGSHA / Huanghua / ZGHA
- CHENGDU / Shuangliu / ZUUU
- CHONGQING / Jiangbei / ZUCK
- DALIAN / Zhoushuizi / ZYTL
- FUZHOU / Changle / ZSFZ
- GAOXIONG / Gaoxiong / RCKH





- Step-based approach with different layers
 - Vector distribution maps
 - Pathogen epidemiology and transmission
 - Airport vector control measures
 - Aircraft routes and disinsection methods

Vector:	<input type="text" value="Please select..."/>	Month:	<input type="text" value="Please select..."/>	Region:	<input type="text" value="Please select..."/>
Departure Airport:	<input type="text" value="Please select..."/>	Arrival Airport:	<input type="text" value="Please select..."/>	Airline:	<input type="text" value="Please select..."/>

Submit



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and Caribbean
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(SAM) Office
Lima

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Headquarters
Montréal

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Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

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Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU