

# **IHR(2005) Requirement and WHO Resource for Public Health Event Management in Air Travel**



**Dr Ninglan Wang**

**Global Capacities, Alert & Response Support to IHR Capacity Assessment, Development and Maintenance (CAD) Ports, Airports and Ground Crossings**

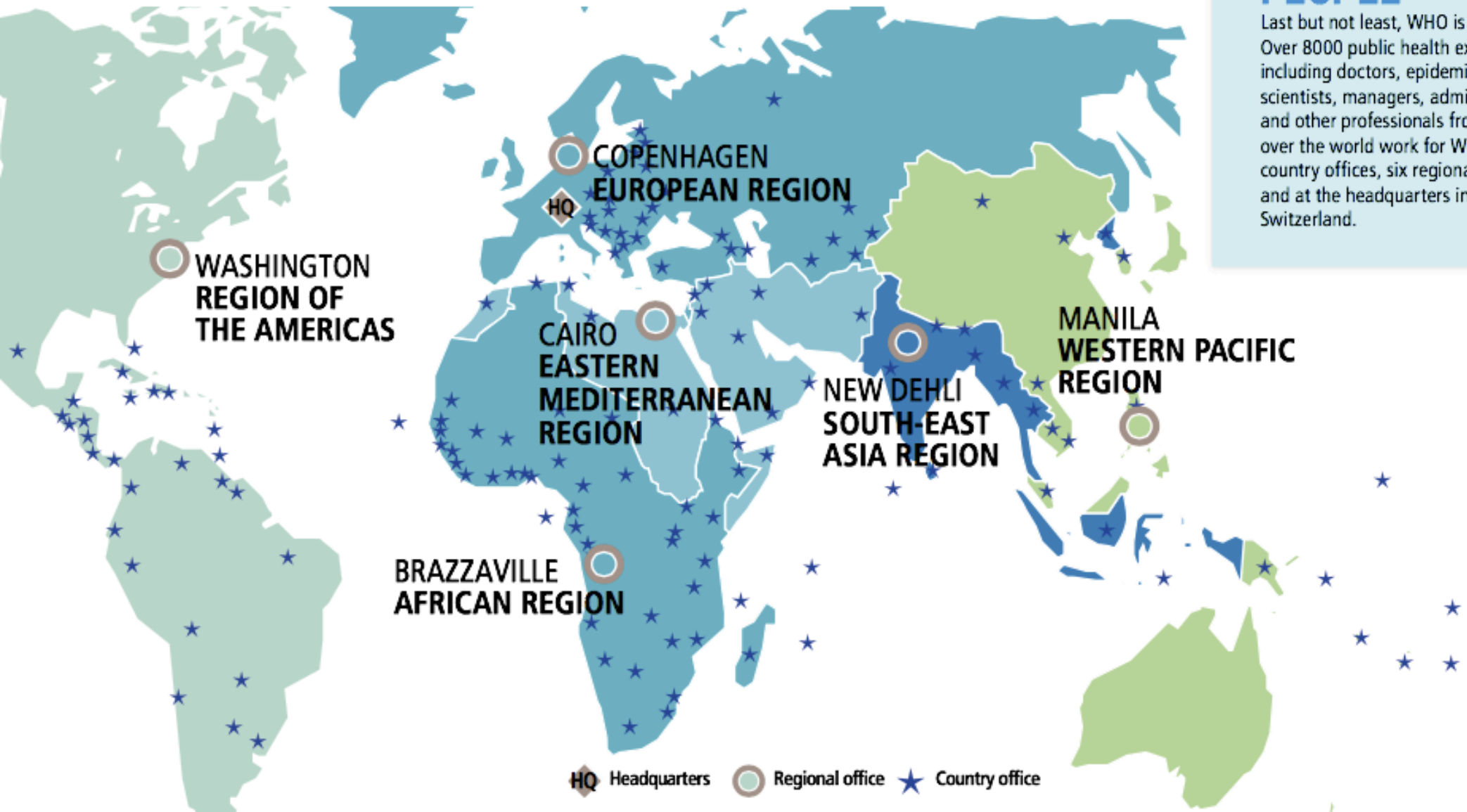
---

# **Recap of the IHR and core capacity development related to aviation**



## PEOPLE

Last but not least, WHO is people. Over 8000 public health experts including doctors, epidemiologists, scientists, managers, administrators and other professionals from all over the world work for WHO in 147 country offices, six regional offices and at the headquarters in Geneva, Switzerland.



## WHO Headquarters, Regional and Country Offices



# International Health Regulations (2005)



# Key Features of IHR (2005)

- The stated purpose and scope of the IHR are "to prevent, protect against, control and provide a public health response to the international spread of disease in ways that are commensurate with and restricted to public health risks, and which avoid unnecessary interference with international traffic and trade."
- Because the IHR are not limited to specific diseases, but are applicable to health risks, irrespective of their origin or source, they will follow the evolution of diseases and the factors affecting their emergence and transmission.
- The IHR also require States to strengthen core surveillance and response capacities at the primary, intermediate and national level, as well as at designated international ports, airports and ground crossings.
- They further introduce a series of health documents, including ship sanitation certificates and an international certificate of vaccination or prophylaxis for travelers.

# Key Features of IHR (2005)

- Each State Party will designate or establish a *National Focal Point* (NFP), accessible at all times to communicate with WHO IHR contact points (Article 4)
- Prescribing a protocol for determining a public health emergency of international concern (PHEIC) including establishing an *Emergency Committee* to advise on *temporary measures*. (Article 12)
- Cooperation of WHO with intergovernmental organizations and international bodies (Article 14)

# The IHR National Focal Point - NFP

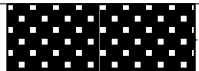


World Health Organization

20, AVENUE APPIA – CH-1211 GENEVA 27 – SWITZERLAND – TEL CENTRAL +41 22 791 2111 – FAX CENTRAL +41 22 791 3111 – WWW.WHO.INT

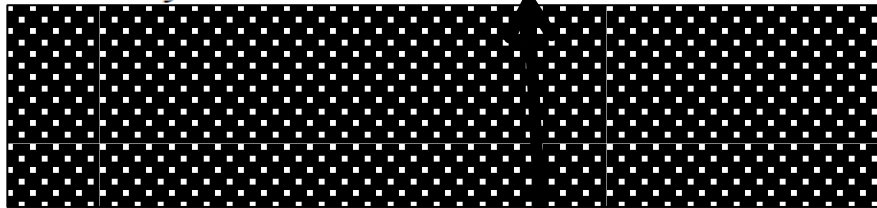
## International Health Regulations 2005, IHR(2005) National IHR Focal Points (NFP) List

01 December 2011



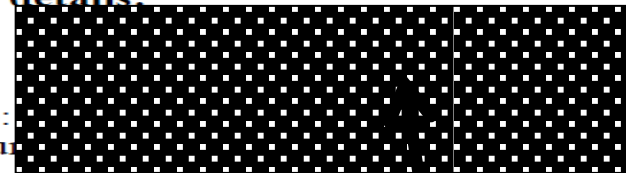
EURO

**National IHR Focal Point Office:**  
General Directorate of Primary Health Care  
Ministry of Health



**Contact details:**

Tel. 1:  
Mobile:  
Fax:  
Email(s):  
mali.toru



**Availability at all times for communication with WHO**



EURO

**NFP is an institution, rather than an individual**

Archabil shayoly 20

Mobile: +993 65 71 51 71

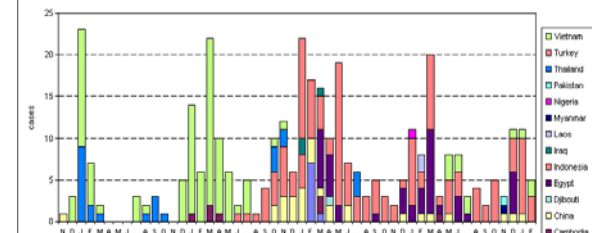
**NFP is in charge for urgent IHR communications with WHO and for sharing information with all relevant sectors in their country**



# Two main areas for implementation



Confirmed human cases of avian influenza A(H5N1) by date of onset and country up to date (Data as of 21 February 2009)



## ► Global "event" management

- ✓ A global early warning and information system
- ✓ Coordination of international response

## ► National minimum (capacity) requirements

- ✓ National surveillance and response systems
- ✓ Capacity at points of entry  
(Ports, airports, ground crossings)



# IHR Requirements for Core Capacities

States Parties shall utilize existing national structures and resources to meet their core capacity requirements under these Regulations, including with regard to:

- ✓ their surveillance, reporting, notification, verification, response and collaboration activities;
- ✓ their activities concerning designated airports, ports and ground crossings and associated inspections of conveyances

## • Timeline

2 years + 3 + (2) + (up to 2)



**"As soon as possible but no later than five years from entry into force ..."**

# IHR Core Capacities at Points of Entry

## Annex 1

- **Coordination and communication**
- **At all times (routine)**
  - Access to medical service
  - Transport of ill travellers
  - Inspection of conveyances (e.g. Ship Sanitation Control Certificate)
  - Control of vectors / reservoirs
- **For responding to public health related events**
  - Emergency contingency plan
  - Arrangement for isolation (human, animal)
  - Space for interview / quarantine



# All-hazard surveillance under IHR



National IHR  
Focal Point

Notification; Article 6

PHEIC  
assessment

WHO IHR Contact Point

PH alerts  
– notifiable events

Response to VR; Article 10 para 2

Events discarded in verification

Verification

Verification request; Article 10 para 1

Other reports; Article 9 para 2

Events

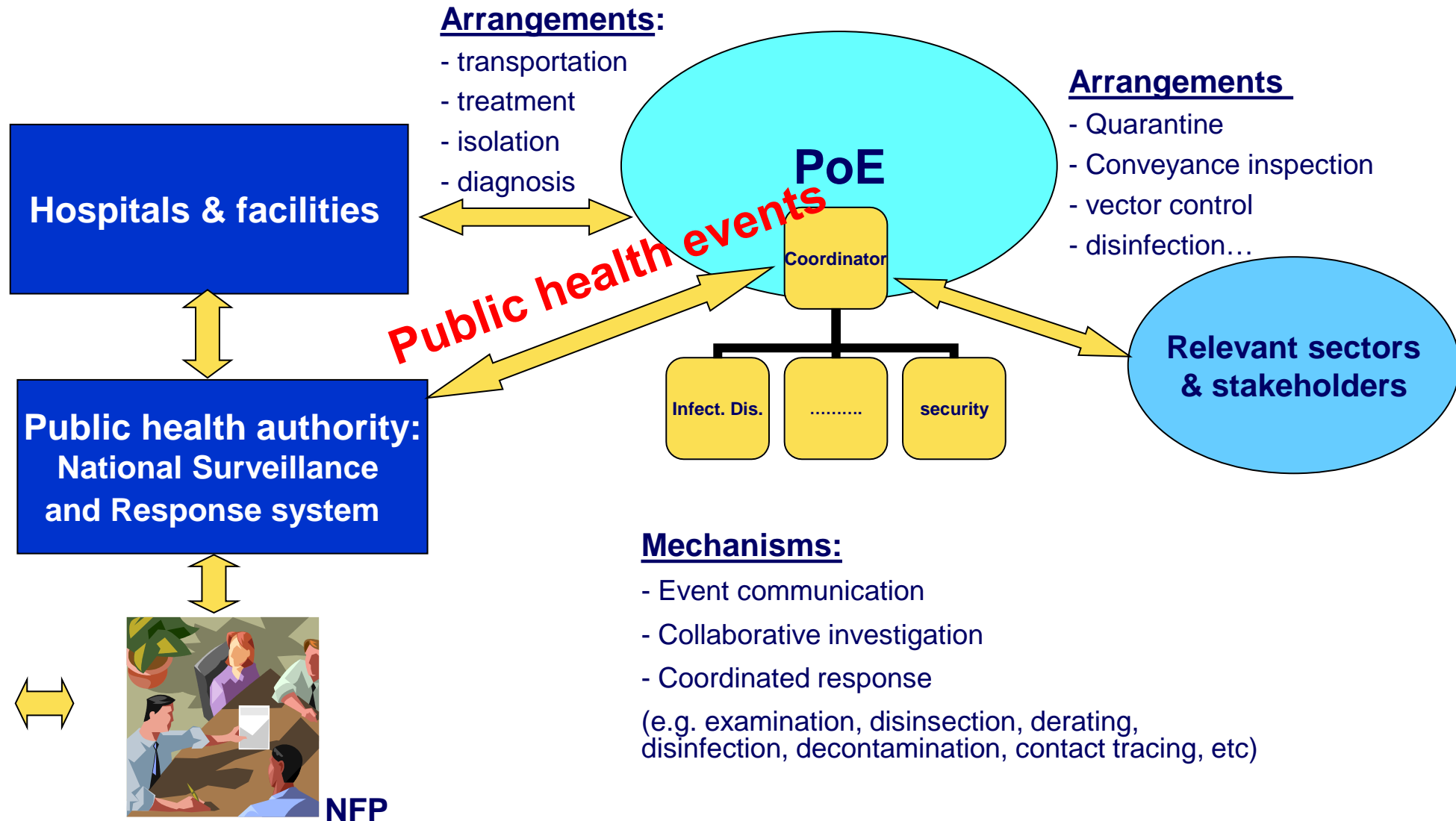
Other reports; Article 9 para 1

Consultation; Article 8

screen – filter – initial assessment

Potential  
events  
Signals

# Managing public health events at PoE



# Communications concerning ill passengers and other health risks detected onboard

## Art 28

Pilot in command of an aircraft (or agents):

make known to the port control, as early as possible before arrival at the port of destination, any cases of illness indicative of disease of an infectious nature or evidence of a public health risk on board,

supply any information required by the competent authority as to health conditions on board during the international voyage (or ship's surgeon if one is on board).

Detect and report any urgent or unexpected events



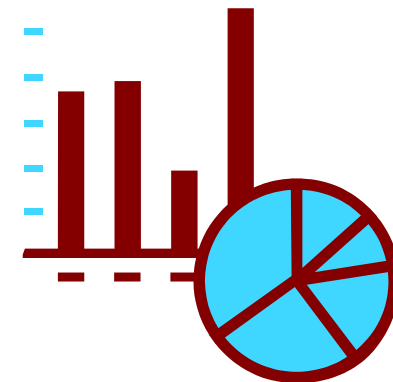
# Other examples of IHR requirements related to aviation

Subject	Pertinent articles
General obligations	Art 19, 20, Annex 1 B
Health measures on arrival and departure	Art 23, Annex 1B
Conveyances and conveyance operators	Art 24, 25, Annex 4
Communication and management of PH events	Art 27, 28, 30, 31, 32, Annex 1B
Health documents	Art 36, 38, Annex 6, 9
Vector	Art 9, 27, Annex 1B, 5



# Status of the IHR implementation related to aviation

**Acknowledgement:  
Belinda K. Haerum (WHO HQ Intern)**

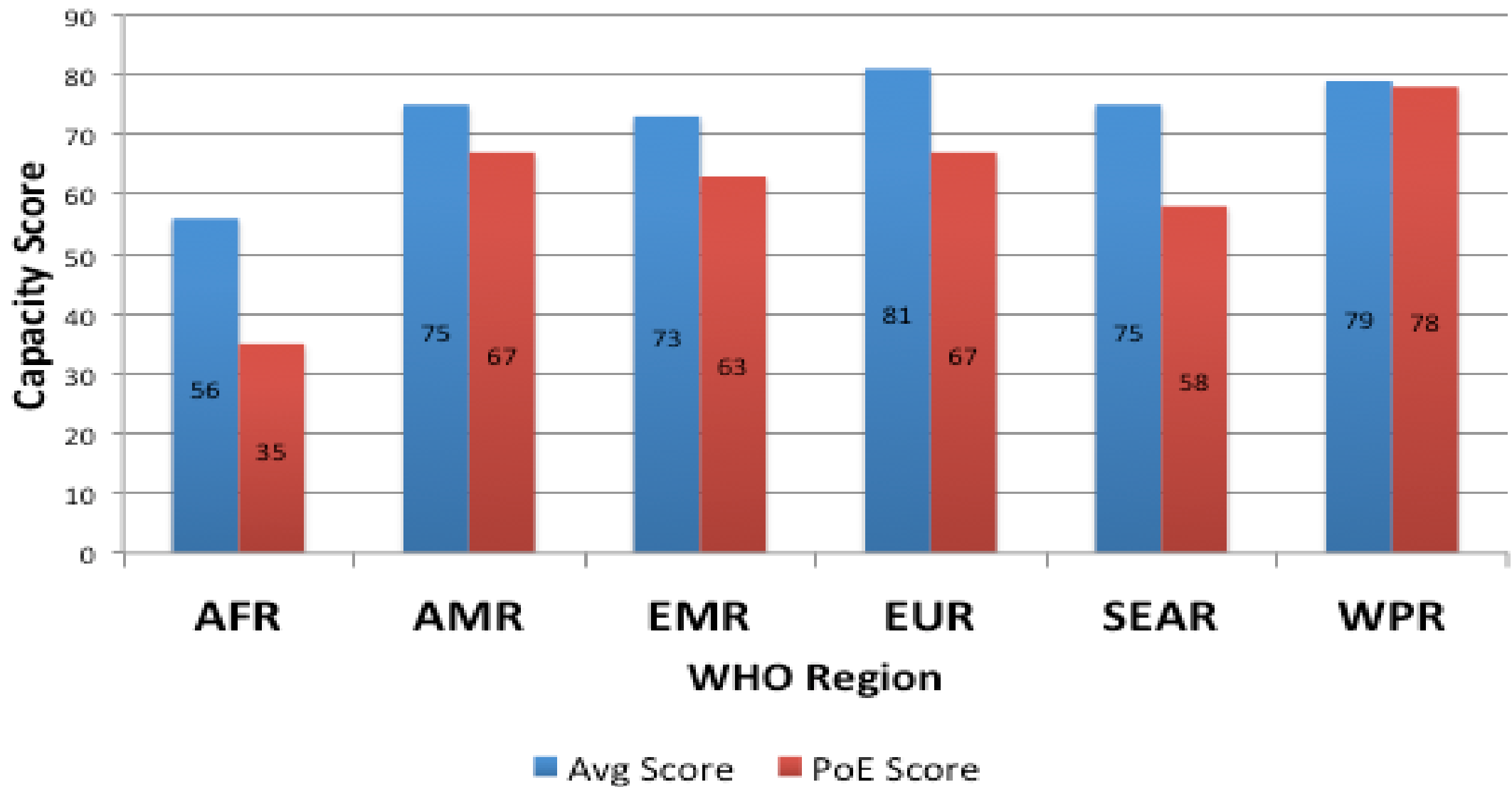


# IHR Core Capacities Global Situation

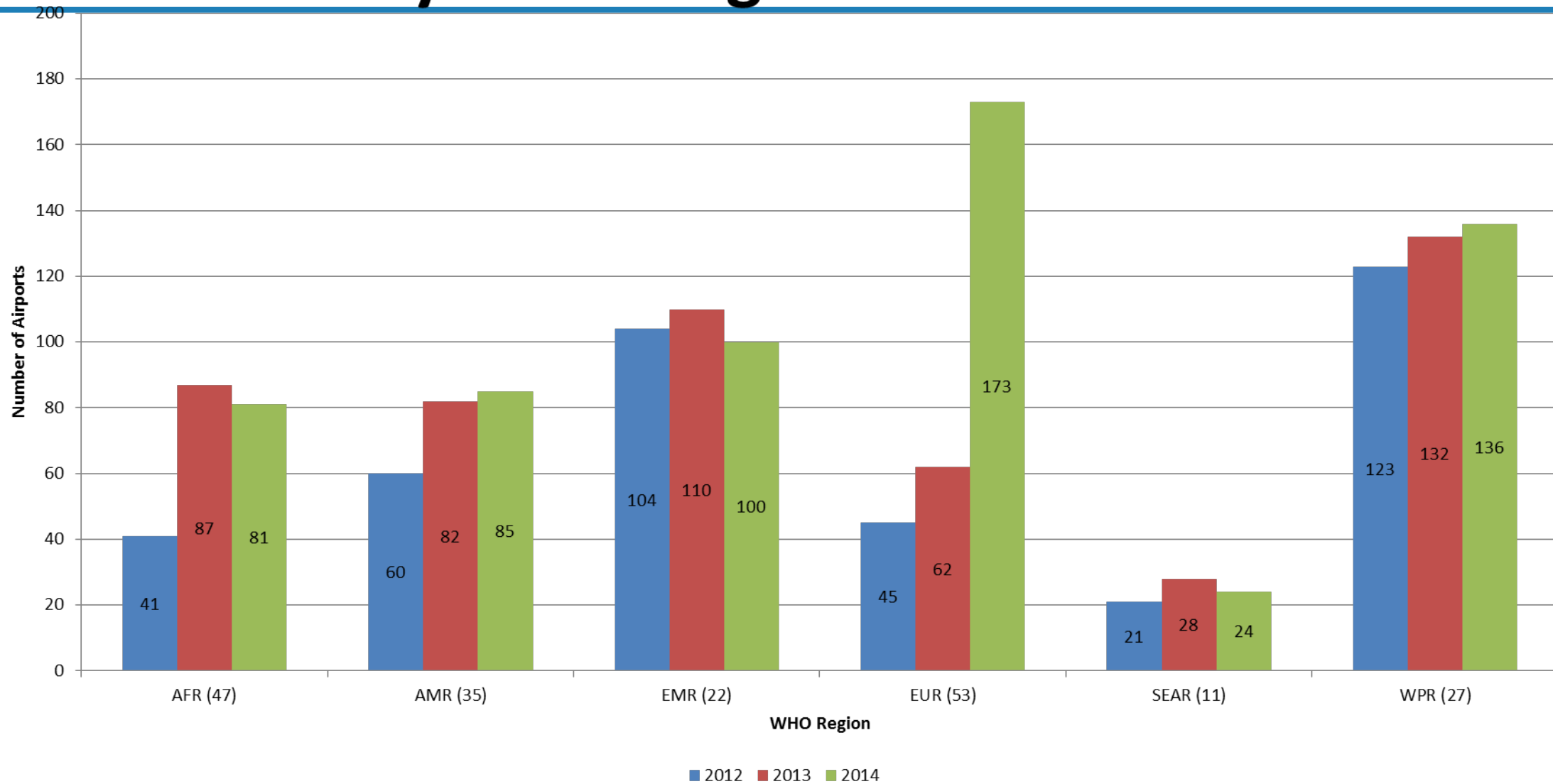
As of January 2015,  
64 States Parties have informed the IHR Secretariat that they have achieved these core capacities;  
81 States Parties have requested second extensions through 2016; and  
48 States Parties did not communicate their status or intentions.



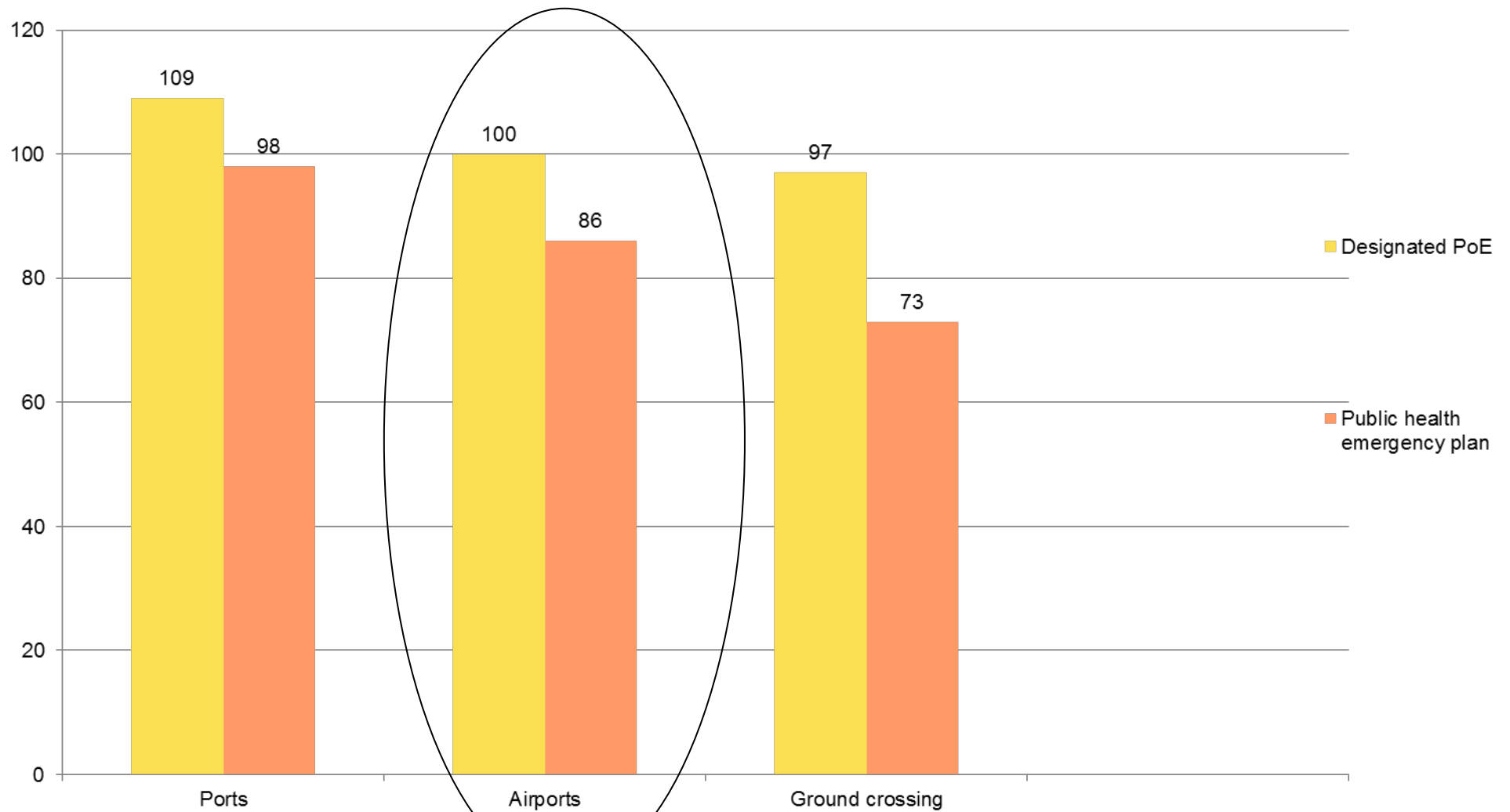
# Average Capacity Score Compared to PoE Score by WHO Region, 2014



# Number of Designated Airports by WHO Region and Year



# Designated PoE & Public Health Contingency Plan (EMRO, 2014)



---

# WHO PoE guidance and Tools

# WHO Support for Strengthening Public Health Capacity at Points of Entry - POE

- ❖ Provide technical support and advice for building capacities for prevention, early detection, and control of public health risks
- ❖ Support preparedness capacity development for event management and emergency response
- ❖ Provide WHO Certification for IHR of capacities at airports and ports
- ❖ Foster international collaboration in a multisectoral approach

## ACTIVITIES



# Exchange and dissemination of knowledge and information

## ➤ IHR Information, guidance and tools:

- Document Center
- IHR multilingual web site  
[www.who.ihr/int/fr/index](http://www.who.ihr/int/fr/index)

Many documents and tools available in the 6 WHO languages

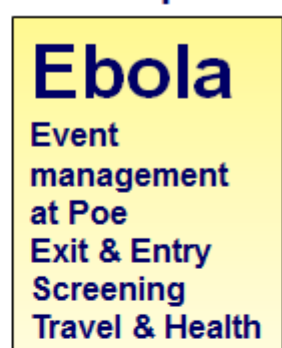
## Publications:

- IHR news – quarterly information bulletin
- Main target audience: NFPs but also other public health actors and stakeholders

- [lhinfo@who.int](mailto:lhinfo@who.int) : Information exchange with technical partners and general audiences

# WHO Guidance and Tools related to PoE PUBLISHED

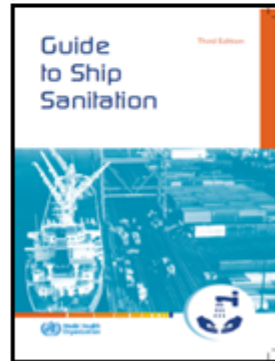
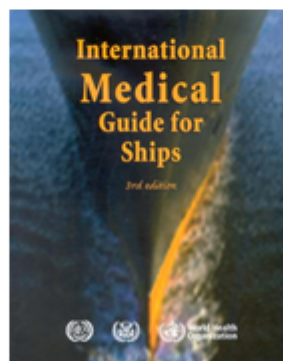
## Air travel



## Public health emergency Preparedness & Response

[http://www.who.int/ihr/publications/ports\\_airports/en/](http://www.who.int/ihr/publications/ports_airports/en/)

## Ports and Ships



## PoE core capacity Assessment and surveillance



WHO Learning Program for Ship Inspection and Issuance of SSC under IHR 2005 and EVD Management at PoE

# WHO PoE Guidance and tools under development

## Event management DECEMBER 2015

WHO Technical Advice for  
Event Management in  
Air Transport

WHO Technical Advice for  
Event Management on  
board ships

## Others

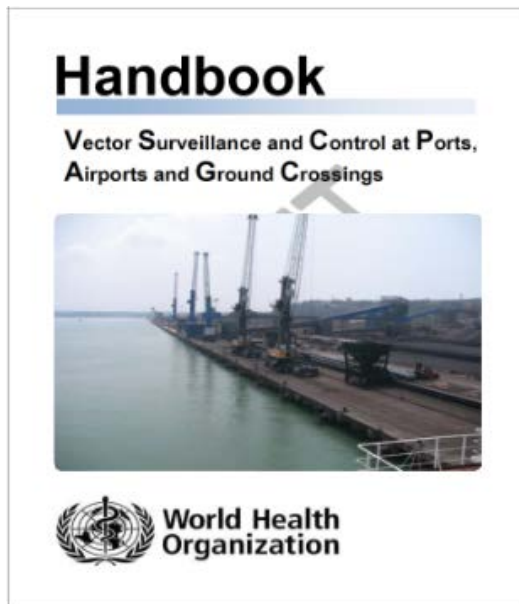
Procedures for  
Airport and Port  
Certification

## Ground Crossings



## Vector

Vector Surveillance and  
Control at PoE



Project on PoE Vector  
Identification Platform



# DETECT & MANAGE PUBLIC HEALTH EVENTS DURING AIR TRANSPORT

## STEP 1 EVENT DETECTION at potential points of public health hazards



- **Detection at point of origin**
  - Identification of suspected cases
  - According to WHO recommendations, infected persons might be advised to delay their travel
- **During the boarding process**
  - Health assessment
  - Screening



- **During flight**
  - Public health procedures for cabin crew
- **Upon arrival or during transit**
  - Epidemiological investigation
  - Passenger Locator Forms
  - "Health part of the Aircraft General Declaration"
- **At destination**
  - Medical care of affected persons
  - Health assessment
  - Contact tracing

## STEP 2 EVENT VERIFICATION & PRELIMINARY RISK ASSESSMENT



CONFIRM occurrence of event & collect information

## STEP 5 PUBLIC HEALTH RESPONSE

- Social mobilisation
- Health awareness campaigns
- Hygiene & sanitation
- Health declarations, health assessment & medical care, quarantine & isolation, vaccination
- Contact tracing



## STEP 4 RISK ASSESSMENT

- Event overview
- Impact assessment
- Containment capability



A rapid risk assessment may be required

## STEP 3 IMMEDIATE ARRANGEMENTS



- Information sharing with stakeholders
- Infection control
- Cleaning & disinfection
- Assessment & medical care
- Medical evacuation
- Aircraft diversion and parking

COMMUNICATION - MONITORING

# https://extranet.who.int/hslp/training/?lang=fr

Join the HSLP  
under the IHR framework!

The WHO Health Security Learning Platform supports a WHO-led learning environment on “Health Security under the IHR framework”.

The learning platform will support the learning needs of organizations and individuals with responsibilities in public health and other related sectors on “Health Security under the IHR Framework” through a wide range of programs and activities.

## LOGIN INFORMATION

Health Security Learning Platform uses WHO Application Directory Service (ADS).

[More information](#)  
[Create New Account](#)  
[Reset Password](#)

### PROTECT

Basic Occupational Health and Safety Pre-deployment Training



-  English, French
-  Certificate of completion
-  1 hour

**Target audience**  
WHO staff and consultants going to West Africa in the context of Ebola virus outbreak

(Version 1.4 - January 2015)

### Tutorial for Notification Assessment under the IHR








-  Arabic, Chinese, English, French, Spanish, Russian
-  Volumes 1 & 2
-  30 minutes (each volume)

**Target audience**  
Staff of National IHR Focal Points

(Version 1.0 - August 2013)

### Ebola Management at Points of Entry








-  English, French, Portuguese
-  Ebola Event Management at Points of Entry
-  Ebola Exit Screening at Ports, Airports and land crossings
-  Ebola Entry Screening at Ports, Airports and land crossings

**Target audience**  
National IHR Focal Points, PoE public health authorities, PoE operators, conveyance operators, crew members and other stakeholders involved in the management of Public health events

(Latest release - February 2015)

### Ship Sanitation Inspection and Issuance of Ship Sanitation Certificate Learning Program





-  Arabic, English, French, Portuguese, Russian, Spanish
-  Certificate of completion
-  20 hours (self-learning)
-  Application

**Target audience**  
Ship inspectors working at ports that are authorized to issue Ship Sanitation Certificates

(Version 2.0 - March 2013)

### EVD Training Packages








-  English
-  3 packages

**Target audience**

[hslp/training/course/category.php?id=30](https://extranet.who.int/hslp/training/course/category.php?id=30)

### Introduction to the IHR



-  Arabic, Chinese, English, French, Portuguese, Spanish, Russian
-  Certificate of completion
-  45 minutes each part
-  2 parts

**Target audience**

## Alert, response, and capacity building under the International Health Regulations (IHR)

Alert, response, and capacity building under the International Health Regulations (IHR)

About IHR

Alert and response

Laboratory

Public health concerns

International travel and health, & mass gatherings

**Ports, airports and ground crossings**

IHR procedures and monitoring

Document centre

### Ports, airports and ground crossings

While international travel and trade bring many health benefits linked to economic development, they may also cause public health risks that can spread internationally at airports, ports and ground crossings through persons, baggage, cargo, containers, conveyances, goods and postal parcels.

The IHR (2005) provide a public health response in the form of obligations and standing or temporary non-binding recommendations in ways that avoid unnecessary interference with international travel and trade.

States Parties to the IHR (2005) must strengthen public health capacities at designated airports, ports and ground crossings in both routine circumstances and when responding to events that may constitute a public health emergency of international concern.

#### IHR authorized list of ports

List of ports and other information

#### Ship sanitation inspection and issuance of ship sanitation certificate

#### Learning Programme

IHR training site 

#### PAGNet

About PAGNet

#### Guidance, advice and tools

— access the documents

#### Related links

WHO works in close collaboration with States Parties to provide guidance to States Parties

About Global Capacities Alert and Response

WHO Lyon office

IHR news

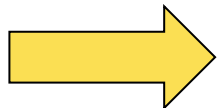
Collaborating centres

WHO regional offices

IHR portal

E-mail: [ihrinfo@who.int](mailto:ihrinfo@who.int)

**Network**



**E-learning and face-to-face tools**

**Technical Guidance and 3 min. Advocacy movie to bring you into the operational work on the ground**

1 2 3 4 5 6 7 8 9 ... next > last >

PUBLICATIONS

Monday, April 13, 2015

WHO Statement on the 5th meeting of the IHR Emergency Committee regarding the 2014 Ebola outbreak in West Africa

Please note that the 5th EC Ebola statement is now available : [http://www.who.int/ihr/ihr\\_ec Ebola/en/](http://www.who.int/ihr/ihr_ec Ebola/en/)

Read more

Tweet f g+ in Share

Username \*

Password \*

LOG IN

Create new account Request new password

PUBLICATIONS

Wednesday, April 8, 2015

EU Airsan Project - Newsletter n°5, March 2015

The AIRSAN newsletter is available for download on the AIRSAN website : [http://www.airsan.eu/Portals/0/docs/AIRSAN\\_Newsletter\\_2015-03\\_Issue\\_5.pdf](http://www.airsan.eu/Portals/0/docs/AIRSAN_Newsletter_2015-03_Issue_5.pdf)

Read more

Tweet f g+ in Share

PUBLICATIONS

Tuesday, April 7, 2015

Updated WHO IHR authorized ports list - 30th March 2015

Please find under this link the updated authorized ports list which includes FINLAND request.

[http://www.who.int/ihr/ports\\_airports/portslanding/en/](http://www.who.int/ihr/ports_airports/portslanding/en/)

Read more

Tweet f g+ in Share

Highlights

- WHO Statement on the 5th meeting of the IHR Emergency Committee regarding the 2014 Ebola outbreak in West Africa
- Updated WHO IHR authorized ports list - 30th March 2015
- WHO Ebola virus disease – Points of Entry modules are still available !!! (click here)
- EU SHIPSAN ACT Joint Action : Questions and answers about Ebola virus disease for maritime transport
- Exit screening at airports, ports and land crossings: Interim guidance for Ebola virus disease

JOIN US, SUBSCRIBE NOW!





**PUBLIC HEALTH**



**Baggage Claim  
Terminal**



**Thank you**

شكرا

**Merci**

**Gracias**

谢谢

**спасибо**

**Obrigado**

[www.who.int/ihr/ports\\_airports/en/](http://www.who.int/ihr/ports_airports/en/)

