



# PREVENTIVE MEASURES FOR MANAGEMENT OF INFECTIOUS DISEASES AT AIRPORTS

# INTRODUCTION

- Airports play a major role in the spread of transmissible disease.
- What airport can do to keep their staff and passengers safe from dangerous diseases.
- Air travel is regarded as a particularly conducive environment for airborne diseases or illnesses transmitted by physical contact.



# INTRODUCTION

- **High density airports visited by millions of passengers a day can accelerate the spread of infectious disease.**
- **Illnesses such as measles , TB and influenza ,transmitted by coughing ,sneezing or contact with contaminated surfaces pose a particular threat.**



# Global transmission


- Past international health crisis such as SARS outbreak 2003 which spread to 37 countries and caused about 1000 deaths.
- H1N1 virus in 2009 which killed about 300.000 people worldwide, show just how quickly such afflictions can spread if they are not quickly contained .
- About 4.1 billion passengers flew around the world ,with that number forecast to double next 15 years.

# Global transmission

- Airports are unique because there is mixing of people from around the world with different population immunity and endemic diseases .
- Due to globalization , growing populations and the increased accessibility and ubiquity of air travel , airports now need to have strong prevention mechanism in place and solid response plane in the event of pandemic .

# WHICH SYSTEM IN PLACE

**QUARANTINE SYSTEM IS IN PLACE ,**  
responsibl for health controls at  
airports.

 **The presence of quarantine at points  
of entry (PoE) is to provide and ensure  
maximum control against the spread of  
diseases & epidemics, and to prevent  
leaks of epidemic diseases from  
entering the country through the  
international traffic (people, cargo,  
goods Etc )**



# WHY POE ARE IMPORTANT

## MAIN OBJECTIVES :

🇪🇬 **Surveillance, forecasting and response to public health emergencies.**




🇪🇬 **Working on ensuring the development of core capacity in designated points of entry at the Arab Republic of Egypt.**



# DESIGNATED POE



## The Designated PoEs in Egypt:

-  (8) designated Airport.
-  (8) designated Seaports.
-  (2) designated ground crossings.



# DESIGNATED POE

In Egypt we have a total of 38 Points of Entry, from which only 18 PoE are designated according to the core capacity requirements, according to the IHR annex 1- b.

**Airports: (8)**

There are eight (8) designated Airports in Egypt :

Cairo Airport, Sharm El-Sheikh Airport, Hurghada Airport, Borg El-Arab Airport, Asyut Airport, Suhag Airport, Luxor Airport & Aswan Airport.



# DESIGNATED POE

**In Egypt we have a total of 38 Points of Entry, from which only 18 PoE are designated according to the core capacity requirements, according to the IHR annex 1- b.**

**Seaports: (8)**

**There are eight (8) designated Seaports in Egypt:**

**Suez Seaport, Alexandria Seaport, Port-Saeed Seaport, Nuweiba Seaport, Dameyatta Seaport, Safaga Seaport, Hurghada Seaport & East High Dam Nile port .**



# DESIGNATED POE

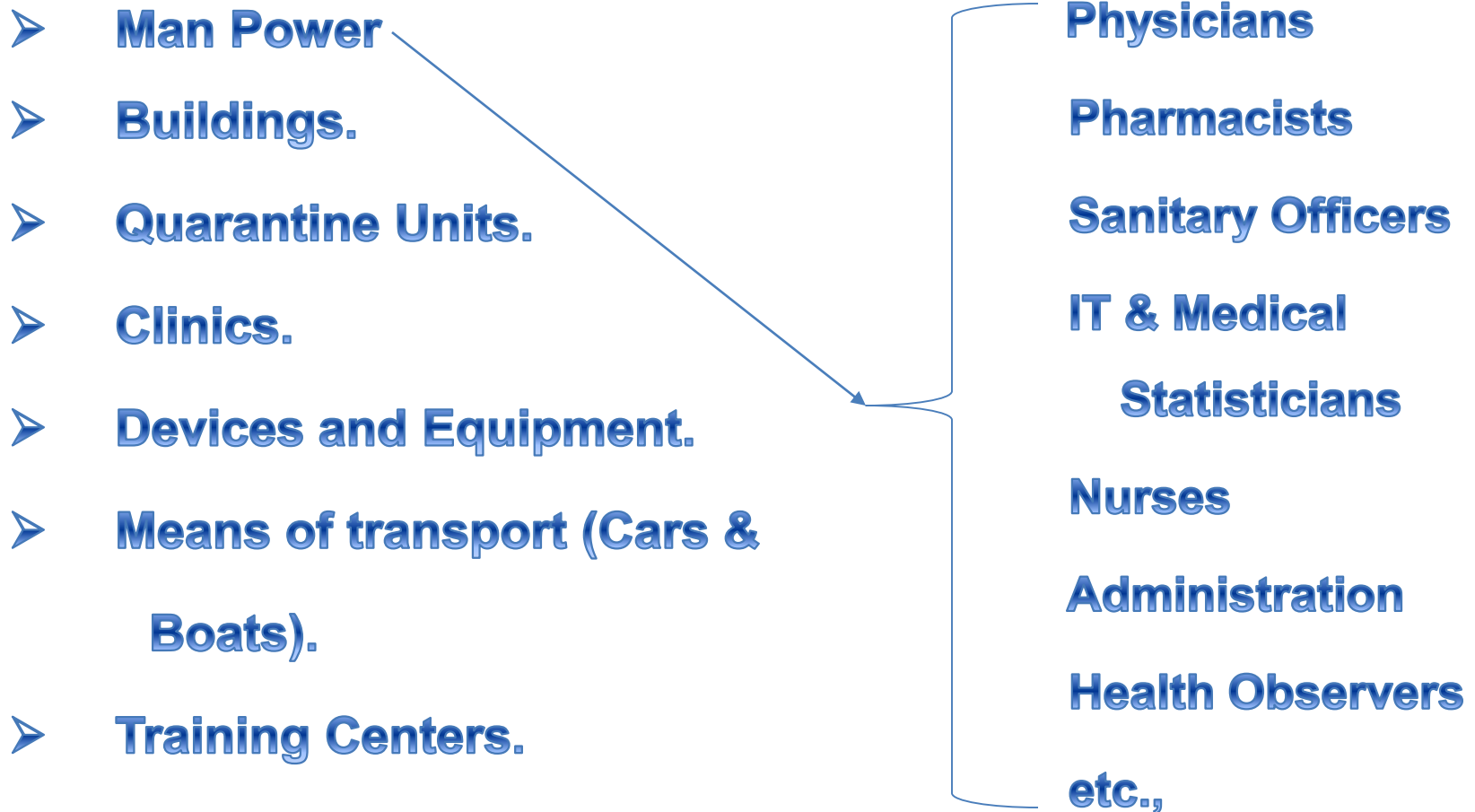
In Egypt we have a total of 38 Points of Entry, from which only 18 PoE are designated according to the core capacity requirements, according to the IHR annex 1- b.

**Ground Crossings: (2)**

**Al-Salloum Ground Crossing & Kostol Ground Crossing.**



# CORE CAPABILITIES AT THE DESIGNATED PORTS OF ENTRY



# CORE CAPACITY REQUIREMENTS

## PoE Capacity requirements for responding to potential PHEIC (emergency)

a

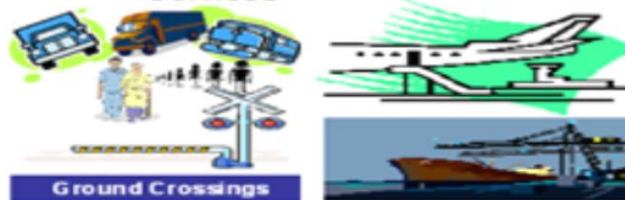
Public Health  
Emergency  
Contingency plan:  
coordinator, contact  
points for relevant  
PoE, PH & other  
agencies

b

Provide assessment &  
care for affected  
travellers, animals:  
arrangements with  
medical, veterinary  
facilities for isolation,  
treatment & other  
services

c

Provide space,  
separate from other  
travellers to interview  
suspect or affected  
persons



d

Provide for  
assessment,  
quarantine of suspect  
or affected travellers

bg

Provide access to  
required equipment,  
personnel with  
protection gear for  
transfer of travellers  
with infection/  
contamination

f

To apply entry/exit control  
for departing & arriving  
passengers


e

To apply  
recommended  
measures, disinsect,  
disinfect,  
decontaminate,  
baggage, cargo,  
containers,  
conveyances, goods,  
postal parcels etc

# CORE CAPACITY REQUIREMENTS

## DESIGNATION OF POINTS OF ENTRY

 **States Parties shall designate Airports and Ports for developing capacities – Annex 1b**

 **States Parties where justified for PH reasons, may designate ground crossings for developing capacities – Annex 1b, taking into consideration volume and frequency of international traffic and public health risks of the areas in which international traffic originates.**

# CORE CAPACITY REQUIREMENTS

## DESIGNATION OF POINTS OF ENTRY


 **States Parties sharing common borders should consider :**


 **Bilateral and multilateral agreements**

 **Joint designation of adjacent ground crossing for capacities – Annex 1b.**

 **Identify competent authority for each designated point of entry.**


# ROLE OF QUARANTINE AUTHORITIES


 be responsible for monitoring baggage, cargo, containers, conveyances, goods, postal parcels and human remains departing and arriving from affected areas, so that they are maintained in such a condition that they are free of sources of infection or contamination, including vectors and reservoirs.

 ensure, as far as practicable, that facilities used by travellers at points of entry are maintained in a sanitary condition and are kept free of sources of infection or contamination, including vectors and reservoirs.





# ROLE OF QUARANTINE AUTHORITIES

 be responsible for the supervision of any deratting, disinfection, disinsection or decontamination of baggage, cargo, containers, conveyances, goods, postal parcels and human remains or sanitary measures for persons, as appropriate under these Regulations.


 advise conveyance operators, as far in advance as possible, of their intent to apply control measures to a conveyance, and shall provide, where available, written information concerning the methods to be employed.

# ROLE OF COMPETENT AUTHORITIES

 be responsible for the supervision of the removal and safe disposal of any contaminated water or food, human or animal dejecta, wastewater and any other contaminated matter from a conveyance.

 take all practicable measures consistent with these Regulations to monitor and control the discharge by ships of sewage, refuse, ballast water and other potentially disease-causing matter which might contaminate the waters of a port, river, canal, strait, lake or other international waterway.


# ROLE OF COMPETENT AUTHORITIES


 be responsible for supervision of service providers for services concerning travellers, baggage, cargo, containers, conveyances, goods, postal parcels and human remains at points of entry, including the conduct of inspections and medical examinations as necessary.

 have effective contingency arrangements to deal with an unexpected public health event.

 communicate with the National IHR Focal Point on the relevant public health measures taken pursuant to these Regulations.

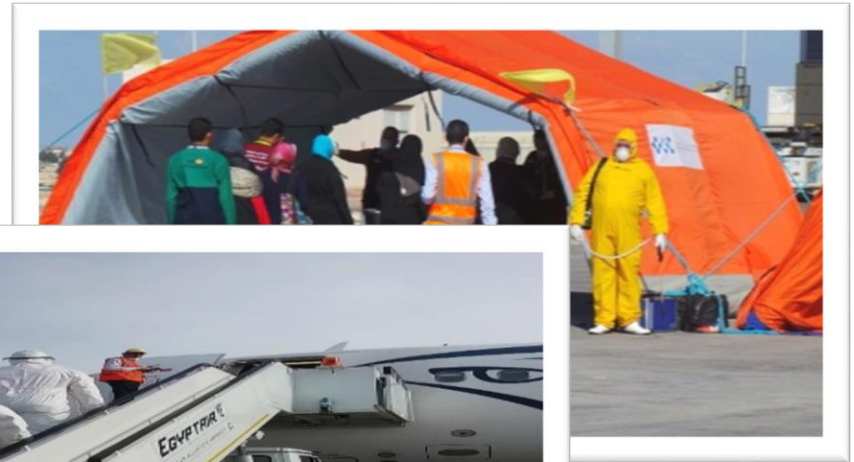
# ROLE OF QUARANTINE AUTHORITIES

 **Health measures recommended by WHO for travellers, baggage, cargo, containers, conveyances, goods, postal parcels and human remains arriving from an affected area may be reapplied on arrival, if there are verifiable indications and/or evidence that the measures applied on departure from the affected area were unsuccessful.**

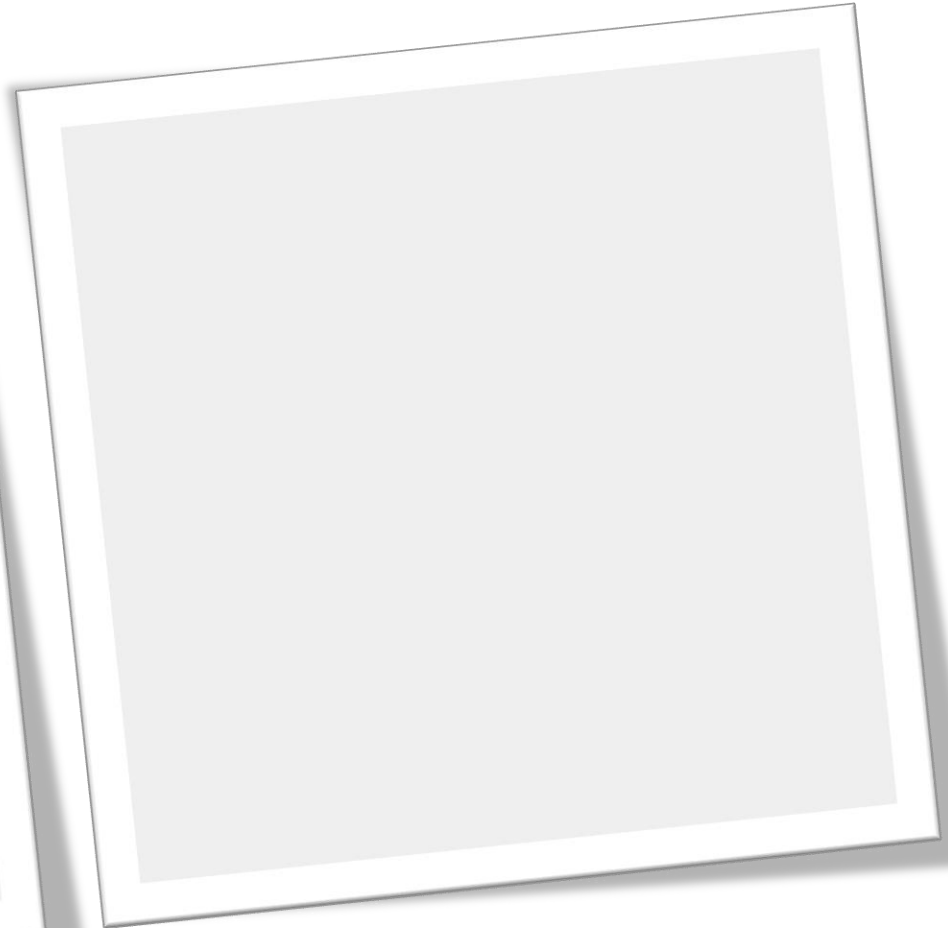
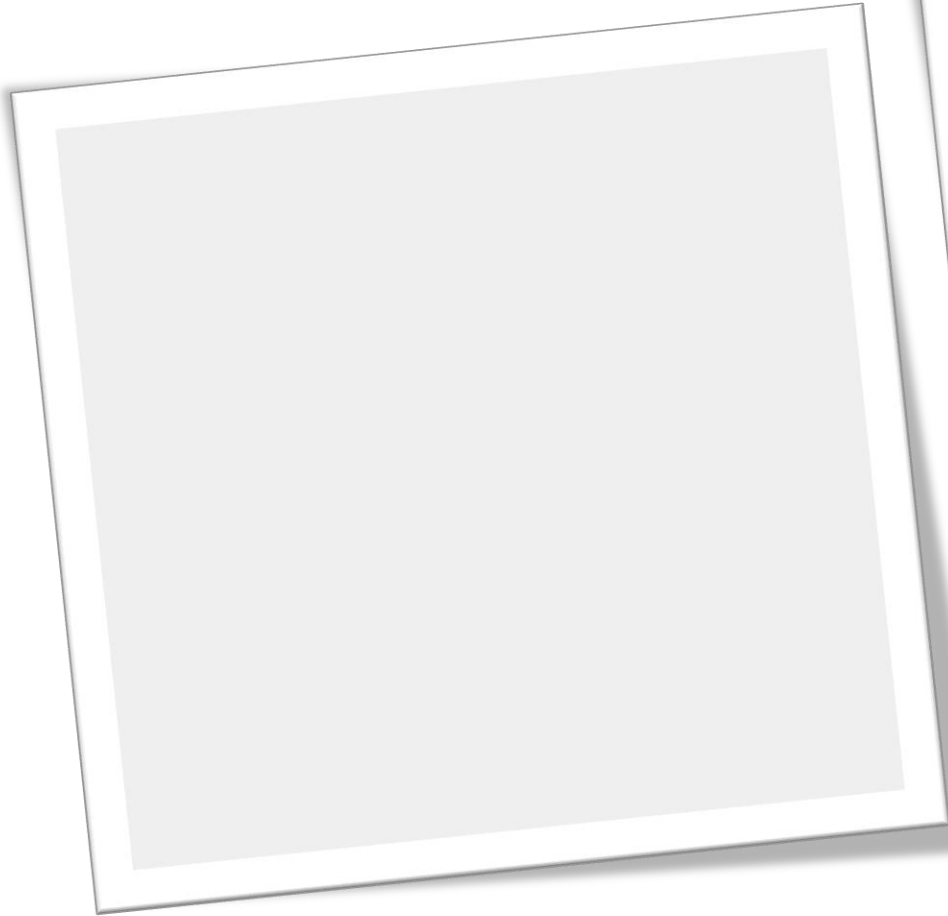
 **Disinsection, deratting, disinfection, decontamination and other sanitary procedures shall be carried out so as to avoid injury and as far as possible discomfort to persons, or damage to the environment in a way which impacts on public health, or damage to baggage, cargo, containers, conveyances, goods and postal parcels.**

# PERFORMING FULL SCALE EXERCISE TO RESPOND TO PUBLIC HEALTH EVENT PHEIC

IN COLLABORATION WITH : WHO, MOHP AND M0CA ,  
MOI AND EGYPT AIR



# BUILDINGS



# ISOLATION UNITS



# MEDICAL CLINICS

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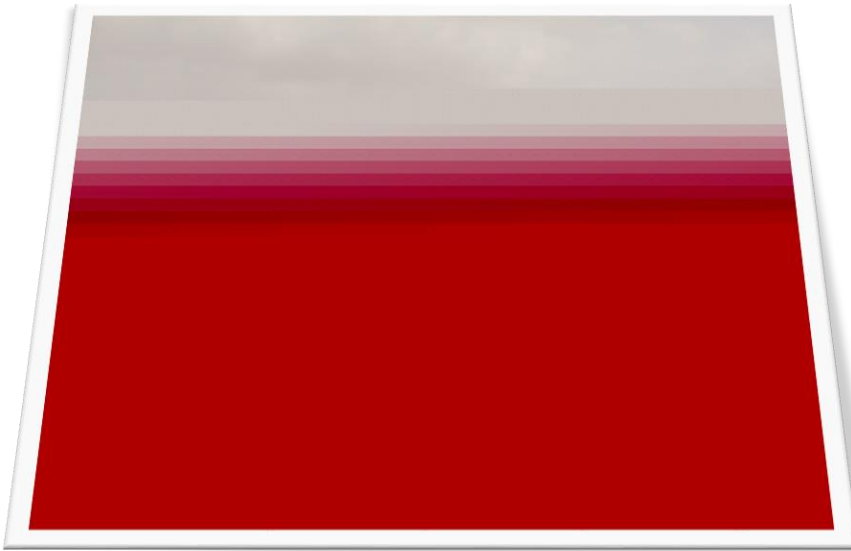
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# DEVICES AND EQUIPMENT



# CARS AND BOATS



# VECTOR CONTROL AND SURVILLANCE AT POE





*YOU CAN FIND ME AT [EGYPTIANQUARANTINE@MOHP.GOV.EG](mailto:EGYPTIANQUARANTINE@MOHP.GOV.EG)*