

Management of a communicable disease affecting travellers in transit -
Kuwait International Airport Experience

Dr. Mubarak Aldoub

Consultant Aviation Medicine

Directorate General Of Civil Aviation-Kuwait

Safety Department-Kuwait International Airport

CAPSCA 4th Meeting

Cairo City- November 2014

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience



General view of Kuwait International Airport (KIA)

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience



A Traveler was discovered to have a communicable disease onboard during flight

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Management for a traveler who was discovered to have a communicable disease onboard during flight is a costly situation to any air operator when a decision is made to land in unscheduled transit airport.

Such a decision need to be done through a mixture of regulations from IHR-, ICAO –SARP ,ACI and IATA recommendations.

Kuwait international Airport (KIA) manage an average of 18 such cases /year because of the position of the airport before a flying bottle neck of around 2.30 hours flying north to Europe with no suitable facilities for such landing after KIA position till next one which is Istanbul Airport ,for most of international carriers over passing the Arabian Gulf to Europe .

So we are going first to highlight these related regulation from IHR,ICAO,ACI and IATA ,then apply it in a practical stream line way .

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travellers in transit - Kuwait International Airport Experience (KWI)

Main differences from a normally arriving aircraft carrying a traveler with a communicable disease posing a serious public health risk

- The medical situation for the ill traveler **need ground medical attention** that cannot be provided onboard.
- Transit airport is **not the schedule station**.
- The **aircraft is still full of fuel and heavy** with possible landing risk which needs engineering check after landing .
- There **may be no agent for the operator** to service the aircraft at this transit airport.
- Disruption and delay** is expected for passengers onboard .
- After the exit of the ill traveller and his escort , **aircraft may needs disinfection, refuelling**, collection for full health cards information to be sent for original destination airport.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



ATC Radar showing numbers of aircraft approaching KIA each represented by a moving dot

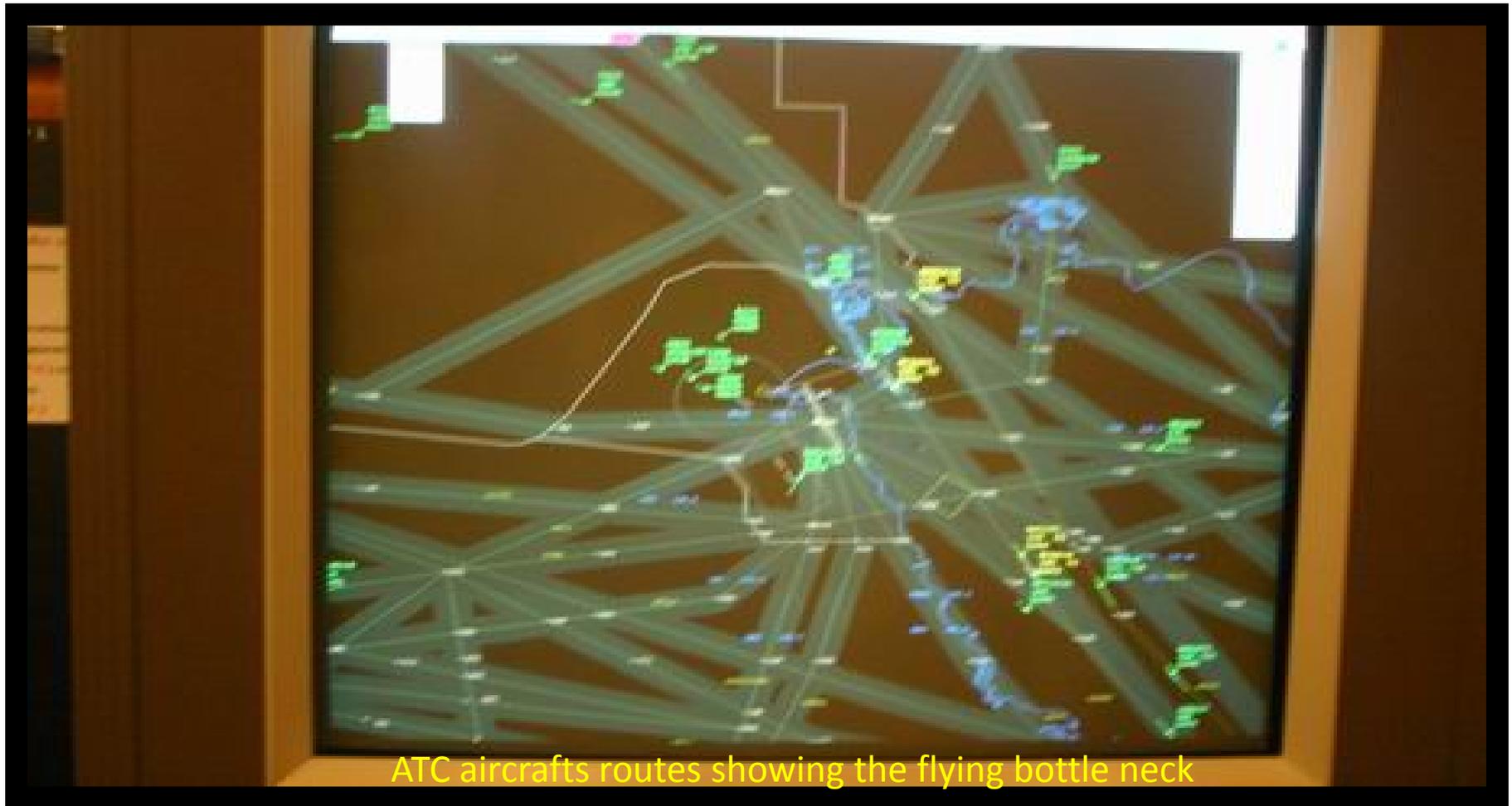
State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



ATC fingers pointing to the flying bottle neck north to Europe

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- 1-Discovery of traveler onboard with communicable disease, crew management ,captain action
- 2-ATC on route action ,ATC of the transit station action.
- 3-Transit airport action.
- 4-Transit airport Health authority preparation action.
- 5-Onground aircraft and passengers management by transit airport.
- 6-Transport of the suspected traveler to local airport health center .
- 7-management for accompanying family or escort.
- 8-Aircraft engineering checks and subsequent delay management.
- 9-Release of the aircraft to destination.
- 10-Health cards information to next and departure airports health authority.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Cabin Crew are the **first front main defense group** for management and prevention of spread of any communicable disease in flights and from there to destination airports ,because they are the first group to discover, deal with and report it .

- General Guidelines for cabin crew for **Management of Communicable Disease Events During Flight is of utmost important** to help them to **suspect and manage** a traveler with influenza-like symptoms (communicable disease) in order to reduce the potential transmission on board and to prepare follow-up actions with airport operators and local public health authorities at destination or transit stops. They should use the GD- (**Declaration of Health**) as a reference for such suspicion.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

GENERAL DECLARATION-Declaration of Health

A communicable disease is suspected when a traveler develop :

fever with a temperature of (38°C/100°F or greater), associated with:

- Appearing obviously **unwell**
- Persistent **vomiting**
- Persistent **coughing**
- Skin **rash**
- Impaired **breathing**
- **Bruising or bleeding** without previous injury
- Persistent **diarrhoea**
- **Confusion** of recent onset)

(FBBBCC DR UV)

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Cabin crew have no time to read (**Declaration of Health**) during flight.

It is better to train Cabin Crew **to suspect** a communicable disease when a traveler develop the following situations in this real time flight clinical order :

If a Traveler develop a Fever with a temperature of (38°C/100°F or greater),

- Appearing obviously **unwell WITH Confusion** of recent onset
- Persistent **coughing WITH Impaired breathing**



associated with:

Persistent **vomiting**

Persistent **diarrhoea**

- Skin **rash**-

- **Bruising or bleeding** without previous injury-

If the medical situation found onboard cannot be managed , then a decision should be made to land in the nearest airport for a transit stop to evaluate the health situation of the suspected passenger ,**then :**

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

- Crew should advise **the Captain** of the situation, to report the suspected cases to the **nearest Air Traffic Controller**, who should inform **the local ATC Manager in duty** of the situation onboard the affected aircraft, as follow:

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

A) **The Commander of the aircraft** shall **notify the Air Traffic Services Unit** of Kuwait International Airport about the suspected case of communicable disease onboard the aircraft and should furnish the following information:

Aircraft Identity

Point of Departure

Airport of Arrival

Estimated Arrival time

Numbers of Passengers on Board the Aircraft

Numbers of Suspected Cases on Board the Aircraft

Nature of the Risk to the Public Health if it is Known to the Commander

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- When a notification is received from the commander of the aircraft reporting that there is communicable traveler onboard his aircraft , the Air Traffic Services Unit duty supervisor shall inform the Emergency Operations Centre at Kuwait International Airport so they can prepare for receiving the suspected case. , who should inform the local Airport Health Center. This situation should be managed under IHR regulations article - 28

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travellers in transit - Kuwait International Airport Experience (KWI)

B) The decision for **the parking place** usually will be taken by the public health authority in consultation with airline and airport operators. This should be on a **remote stand, without a passenger boarding bridge attached**, which have all the relevant facilities which enable continued ventilation of the aircraft and allow easy accessibility for public health personnel to assess any suspect case(s) and permit efficient clearance of passengers.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Kuwait International Airport(KIA) showing outside terminal Parking Places

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

Article 28 Ships and aircraft at points of entry

Part 1-an aircraft

shall not be prevented for public health reasons from calling at any point of entry .However, if the point of entry is not equipped for applying health measures under these Regulations, the aircraft may be ordered to proceed at its own risk to the nearest suitable point of entry available to it, unless the aircraft has an operational problem which would make this diversion unsafe.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

WHO--Article 28 -aircraft at points of entry

Part 1- As provided in applicable international agreements, an aircraft shall not be prevented for public health reasons from calling at any point of entry.

Part 2- As provided in applicable international agreements, **aircraft shall not be refused free pratique by States Parties for public health reasons;** in particular they shall not be prevented from embarking or disembarking, discharging or loading cargo or stores, or taking on fuel, water, food and supplies.

States Parties may subject the granting of free pratique to inspection and, if a source of infection or contamination is found on board, the carrying out of necessary disinfection, decontamination, disinsection or deratting, or other measures necessary to prevent the spread of the infection or contamination.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

(Article 28-IHR):

Part-3. Whenever practicable, a State Party shall authorize the granting of *free pratique* by radio or other communication means to an aircraft when, on the basis of information received from it prior to its arrival, the State Party is of the opinion that the arrival of the aircraft will not result in the introduction or spread of the disease.

Part -4. Pilots in command of aircraft, or their agents, shall make known to the airport Air traffic controller as early as possible before arrival at the airport of destination any cases of illness indicative of a disease of an infectious nature or evidence of a public health risk on board as soon as such illnesses or public health risks are made known to the pilot. This information must be immediately relayed to the competent authority for the airport.

In urgent circumstances, such information should be communicated directly by the pilots to the relevant airport health authority.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

(Article 28-IHR):

Part -5. The following shall apply if a suspect or affected aircraft, **for reasons beyond the control of the pilot in command of the aircraft, lands elsewhere** than at the airport at which the aircraft was due to land :

- (a) the pilot in command of the aircraft shall make every effort to **communicate without delay with the nearest competent authority**;
- (b) as soon as **the competent authority has been informed of the landing** it may **apply health measures recommended by WHO** or other health measures provided in these Regulations;

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

(Article 28-IHR):

(c) unless required for emergency purposes or for communication with the competent authority, no traveler on board the aircraft shall leave its vicinity and no cargo shall be removed from that vicinity, unless authorized by the competent authority; and

(d) when all health measures required by the competent authority have been completed, the aircraft may, so far as such health measures are concerned, proceed either to the airport at which it was due to land, or if for technical reasons it cannot do so, to a conveniently situated airport.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

ICAO--Action by Air Traffic Services Unit (PANS- ATM, Doc 4444)

1.1-When a notification is received from the commander of the aircraft reporting that there is a suspected case of a communicable disease on his aircraft , the Air Traffic Services Unit duty supervisor shall inform the Emergency Operations Centre at Kuwait International Airport so they can prepare for receiving the suspected case.

1.2- Coordinate with Movement Control Centre (MCC) for assigning a parking location for the infected aircraft in an open Parking Stand not connected directly by an air bridge to the airport buildings.

1.3- Isolate the infected aircraft, which has the suspected case of a communicable disease away from the aircraft movement, passengers, and airport employees.

1-4. Advise commander of the aircraft to prepare the aircraft for landing (cabin health work) including presenting passenger locator card (PLF) for the 5 passengers rows needed by health authority upon arrival).

1-5. Obtain information from the commander about the aircraft landing weight and what preparations he needs for such landing.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

It is the abnormal, non-routine flight where landing weight can be a problem. If a **flight takes off at the maximum takeoff weight** and then faces a situation where it must return to the departure airport or a nearby transit airport (due to certain mechanical problems, or a passenger medical problem for instance), there will be no time to consume the fuel meant for getting to the original destination, and **the aircraft may exceed the maximum landing weight** to land at the departure point or nearby transit airport. If an aircraft lands at more than its maximum allowable landing weight it might suffer structural damage, or even break apart on landing. At the very least, an overweight landing would require a thorough inspection for damage.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

The Commander of the aircraft shall decide his **aircraft landing method in 3 scenarios**:

1- Jettison of fuel for light landing (with ATC permission).

2- Jettison of fuel is not allowed or not economic, then over weight landing is expected.

3- Jettison fuel nozzle is not equipped in his aircraft, then over weight landing is expected.

A- For over weight landing or if aircraft G-limit is exceeded, then **special engineering check** should be done by an (Authorized Frame and Type Rating Engineer) for the landing gear ,check for tail skid ,and fuel tanks integrity ,who may be not available at the airport or has to be called uponn from another airport ,**or the aircraft may need Hanger inspection** , then this subsequently will cause a long delay .

B- Delay of the aircraft leads to disembarkation for the rest of travelers to a special isolation hall equipped with all available needs including food, drink, resting and communication facilities ,toilets and for longer period a separate gender sleeping compartments areas.

C- Delay is more complicated if the aircraft have no designated service provider at this landing airport ,so the commander has to deal directly with all aircraft logistic, including payment for any catering, disinfection ,engineering service or fuel provided.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Jettison Fuel Nozzle outside aircraft Wing

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Aircraft dumping fuel out from wing jettison nozzle

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



An Aircraft is dumping fuel out from both jettison nozzles during flying

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- **Measures to be taken before the aircraft landing-IATA**
(Cabin Health work):
 - **Page for medical assistance** on board or contact medical ground support
 - **Relocate the traveler** to isolated area with **cleared two rows front & back**
 - do not reuses his vacated seat
 - **Designate one cabin crew** to look after the ill traveler
 - **designate a specific lavatory** for the exclusive use of the ill traveler
 - **clean and disinfect the commonly touched surfaces** of the lavatories (faucet, door handles, and waste bin cover, counter top) after each use by the ill traveller.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- **Measures to be taken before the aircraft landing-IATA**
(Cabin Health work):
Advise the ill traveler to :
 - **use** tissues to cover the mouth and nose when speaking, sneezing or coughing.
 - practice proper **hand hygiene**
 - air **sick** bag to be used for the safe disposal of used tissues
 - **Wear face mask** , not be reused and disposed safely after use



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- **Measures to be taken before the aircraft landing-IATA
(Cabin Health work):**
 - **The designated cabin crew member should:**
 - wear disposable gloves
 - should wear a mask
 - Avoid hand-face contact or repeated mask adjustment
 - Avoid touching his ears, eyes and mouth as much as possible after shaking hands or touching any possible disinfected surface or person.
 - disposed used mask safely, practice proper hand hygiene
 - Store soiled used items in a biohazard bag or sealed plastic bag.
- All surfaces that may have been in contact with a sick traveler need to be appropriately treated. Removable materials should be handled with biohazard precautions.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

- Measures to be taken before the aircraft landing-**ACI**
(Cabin Health work):

f) A traveler having a communicable respiratory disease **should wear a surgical mask unless the traveler is unable to tolerate it.**

g) If the ill traveler **cannot tolerate a mask**, the **designated cabin crew member(s) or any other person in close contact (less than 1 meter) with the ill person should wear a medical (surgical or procedure) mask.**

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Full Cabin aircraft makes separation of a sick traveler with a communicable disease unpractical to deal with

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



any other person in close contact (less than 1 meter) with the ill person should wear nose mask **(Similar to this situation)**

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- **Measures to be taken before the aircraft landing-IATA
(Cabin Health work):**
 - **The designated cabin crew member should:**
 - Ask accompanying traveler(s) if they have any similar symptoms
 - Ensure hand carried cabin baggage identified ,follows the ill traveler and
comply with public health authority's request after landing
 - ask all travelers seated in the same row, and two rows in front and two rows behind the ill traveler (i.e. a **total of five rows**) at least to **complete a Passenger Locator Form(PLC or PLF)** ,(but for unscheduled Transit stops all passengers).

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



PLF

Public Health Passenger Locator Form: To protect your health, public health officers need you to complete this form whenever they suspect a communicable disease onboard a flight. Your information will help public health officers to contact you if you were exposed to a communicable disease. It is important to fill out this form completely and accurately. Your information is intended to be held in accordance with applicable laws and used only for public health purposes. **Thank you for helping us to protect your health.*

One form should be completed by an adult member of each family. Print in capital (UPPERCASE) letters. Leave blank boxes for spaces.

FLIGHT INFORMATION: 1. Airline name _____ 2. Flight number _____ 3. Seat number _____ 4. Date of arrival (yyyy/mm/dd) _____
2 0 _____

PERSONAL INFORMATION: 5. Last (Family) Name _____ 6. First (Given) Name _____ 7. Middle Initial _____ 8. Your sex _____
Male Female

PHONE NUMBER(S) where you can be reached if needed. Include country code and city code.
9. Mobile _____ 10. Business _____
11. Home _____ 12. Other _____
13. Email address _____

PERMANENT ADDRESS: 14. Number and street (Separate number and street with blank box) _____ 15. Apartment number _____
16. City _____ 17. State/Province _____
18. Country _____ 19. ZIP/Postal code _____

TEMPORARY ADDRESS: If you are a visitor, write only the first place where you will be staying.
20. Hotel name (if any) _____ 21. Number and street (Separate number and street with blank box) _____ 22. Apartment number _____
23. City _____ 24. State/Province _____
25. Country _____ 26. ZIP/Postal code _____

EMERGENCY CONTACT INFORMATION of someone who can reach you during the next 30 days
27. Last (Family) Name _____ 28. First (Given) Name _____ 29. City _____
30. Country _____ 31. Email _____
32. Mobile phone _____ 33. Other phone _____

34. TRAVEL COMPANIONS – FAMILY: Only include age if younger than 18 years

	Last (Family) Name	First (Given) Name	Seat number	Age <18
(1)	_____	_____	_____	_____
(2)	_____	_____	_____	_____
(3)	_____	_____	_____	_____
(4)	_____	_____	_____	_____

35. TRAVEL COMPANIONS – NON-FAMILY: Also include name of group (if any)

	Last (Family) Name	First (Given) Name	Group (tour, team, business, other)
(1)	_____	_____	_____
(2)	_____	_____	_____

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

- **Measures to be taken before the aircraft landing-IATA
(Cabin Health work):**

All Crew should practice Proper hygiene:

- hand cleansing, by means of applying an antiseptic hand rub
 - Washing hands with soap and water for at least 15 seconds.
- Avoid touching ears, eyes and mouth as much as possible after shaking hands or touching any possible disinfected surface or person.
 - Avoid kissing and shaking hands as much as possible.
- Cover mouth and nose with paper napkins/tissue after sneezing or coughing and ensure safe disposal of the same.
- Keep galleys surface, working places and equipment disinfected at all times

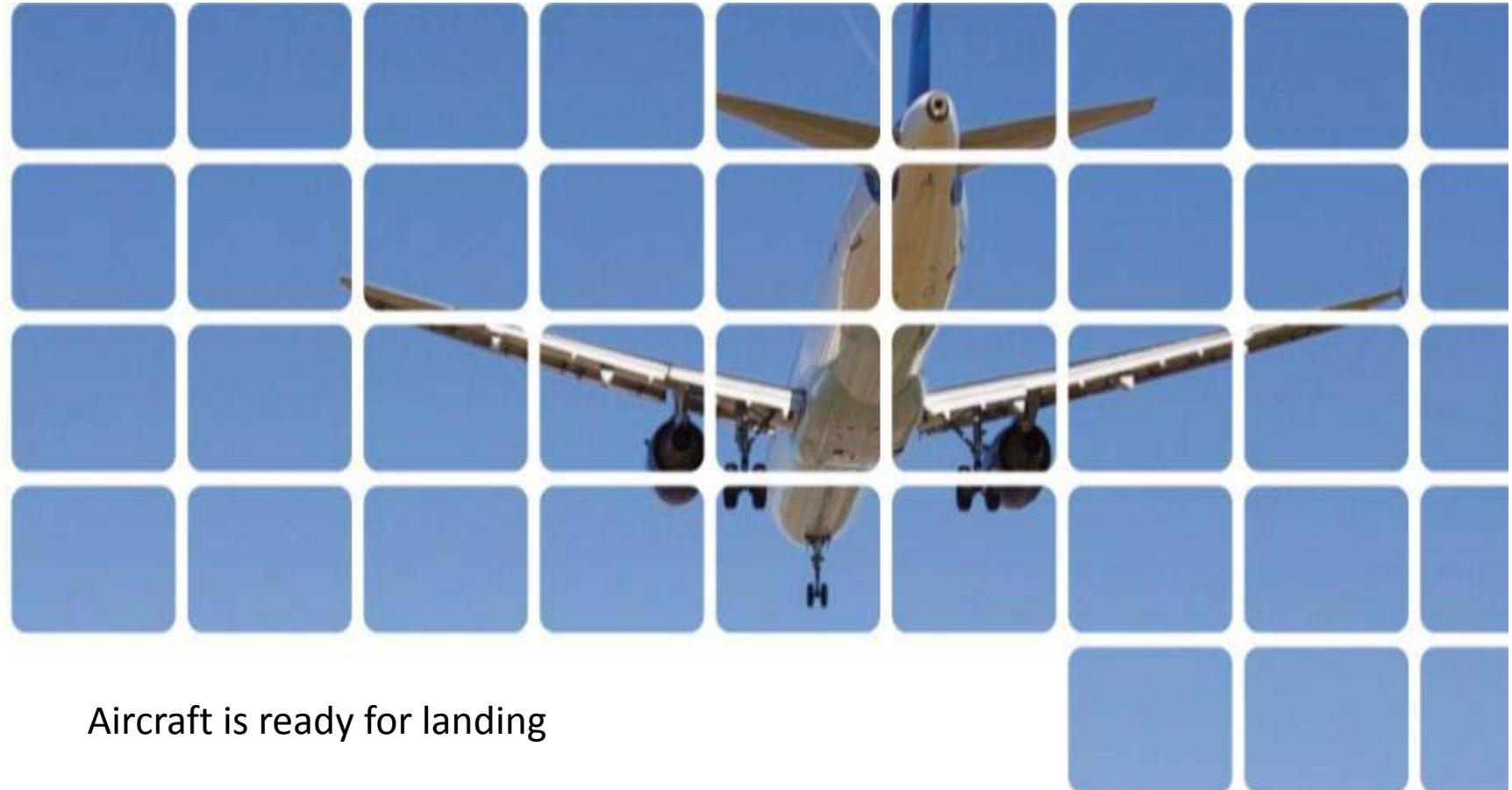
State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Aircraft is ready for landing

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Preparation for landing is complete



Aircraft is landing with over weight

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by the Emergency Operations Center

- 1 Call the Kuwait International Airport Medical Center so they can prepare for the suspected case.
- 2 Call The Main Emergency Operation Medical Center for initiating the necessary measures.
- 3 Inform Airport Facilitation Center about the suspected case so they can initiate the necessary measures and formalities.
- 4 Inform the Airline Company or the aircraft operator which are entitled to the suspected case .
- 5 Inform the Airport Security Department (Police) to arrange a cordon around the parking stand of the arriving aircraft to prevent getting close to the infected aircraft except for the specialized staff.

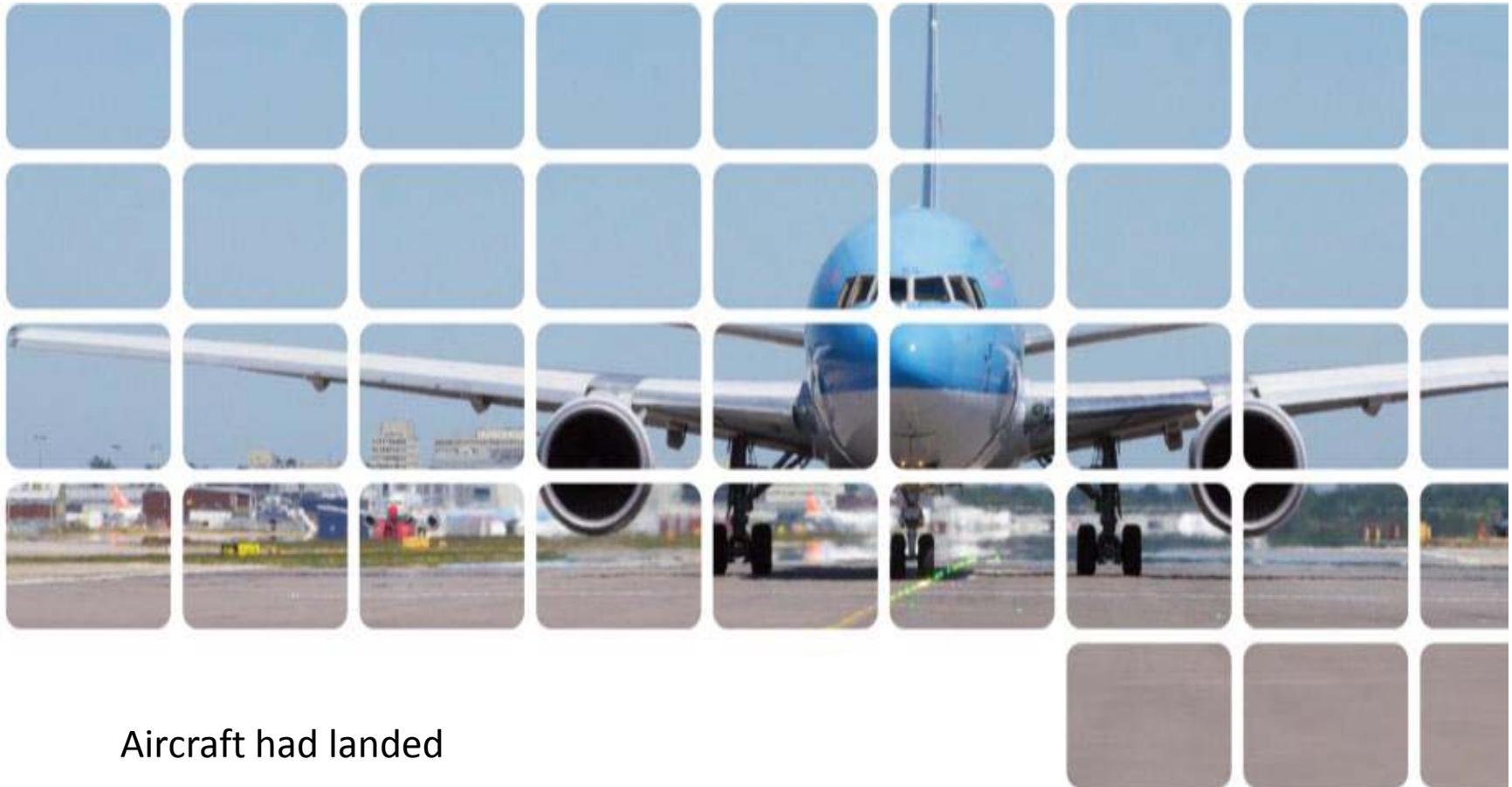
State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Aircraft had landed

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



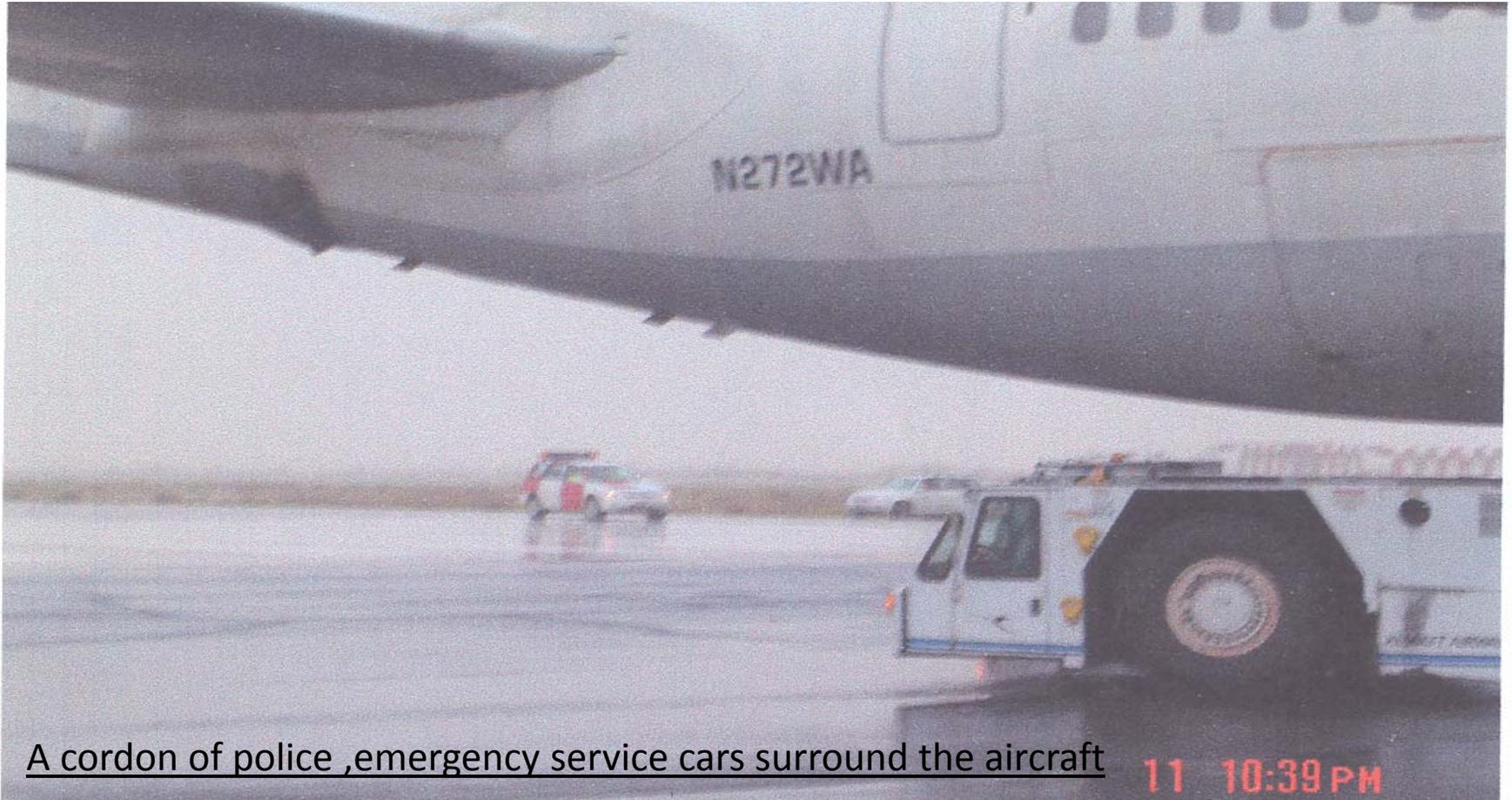
State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني

Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by the Emergency Operations Center-ACI

- c) Flight and ground crew need to be advised concerning the opening of aircraft doors, disembarkation and what information should be given to travelers prior to the arrival of the medical team.
- d) Public health officials need quick and efficient access to the aircraft.
- e) Personal protective equipment (PPE) appropriate to the suspected **communicable disease**, the mode of transmission and the nature of duties being performed by aviation personnel, **should be worn**. For many communicable diseases, disposable gloves and good hand hygiene (at times in combination with surgical masks) are sufficient.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Medical team is onboard checking affected traveler for temperature degree

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Personnel protective equipments appropriate for the nature of suspected communicable disease should be worn

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by the Emergency Operations Center-ACI

- f) A traveler having a communicable respiratory disease should wear a surgical mask unless the traveler is unable to tolerate it.

- l) **Before disembarkation**, travelers and crew on the same aircraft as the sick traveler should be segregated from other travelers until traveler seating details, contact details and destination have been obtained and they have been **advised by public health authority staff of any necessary precautionary measures.**

- g) All surfaces that may have been in contact with a sick traveler need to be appropriately treated. Removable materials should be handled with biohazard precautions.

- h) A sick traveler should be appropriately escorted from the aircraft to an area for further assessment/treatment.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by the Emergency Operations Center-ACI

l) Consideration should be given to the comfort of all passengers, particularly if placed in isolation, or **detained on board the aircraft**. Provision should be made for food, water and other essentials.

m) Communication with affected travelers is vital to ensuring that discord is not created. Travelers should be kept informed, and staff should be available to reply to questions.

n) A procedure for transporting a sick traveler to hospital needs to be in place.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by Airport Medical Centre

- 1 Up on receiving a notification regarding a suspected communicable case onboard an aircraft , the Airport medical Centre Team shall proceed immediately to the parking location and start all initial medical examinations to determine whether the traveler has got a possible Communicable disease case or not.
- 2 If the condition is prove to be a suspected case of communicable disease, the patient shall be transferred to the Airport medical Center , isolated from other passengers , travelers , and airport employees for initiating the medical treatment process .
- 3 The transfer for the affected traveler from the aircraft shall be done by what we call (Bare Ambulance car) or simple equipped ambulance car i.e. ambulance car with a minimal equipments onboard, like only oxygen cylinders, to avoid the necessary costly sterilization for the equipments later after traveler departure ,
- 4 with a similar fully equipped second ambulance car waiting standby from which we can get any equipment as needed.
- 5 Gather extra information from the patient relatives who are traveling with him at the aircraft or at the airport medical center ,and collect the PLC for the needed 5 rows around the affected traveler.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Traveler patient is in his way to the airport medical center after
transport from the aircraft

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Traveler patient is in the airport medical center

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by Airport Medical Centre

- 5 Contact the regional Medical Hospital to transfer the patient and to finalize his treatment .
- 6 Coordinate with the Airport Operation Department Coordinator with regard to the suspected case latest updates and facilitation process needed .
- 7 collect PLC information for the rest of passengers on board as if this transit stop is the final destination airport for sending it later for destination airport (as the aircraft become a clean aircraft).
- 8 Create an isolated infected passengers area(Quaratin) before transporting them to the Airport medical Centre if there is long waiting delay time for the aircraft du to engineering technical situation.
- 9 Provide all necessary preventive Medical Supplies for protecting the passengers and airport staff .
- 10 Before disembarkation, travelers and crew on the same aircraft as the sick traveler should be segregated from other travelers until traveler seating PLC details, contact details and destination have been obtained and they have been advised by public health authority staff of any necessary precautionary measures.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Traveler patient is in his way to the regional medical hospital after referral

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

It is important that Transit stop airport Health Authority to perform the same duties as if this is the destination airport including PLF for all of the rest of passengers ,as when the affected traveler is taken out from the aircraft and then aircraft go back to its destination ,then it is not going to be considered as an aircraft with a communicable disease traveler on board but as any normal (Clean) aircraft ,so no health precautions is going to be imposed on this aircraft upon arrival, and so if the transit stop did not perform all duties as the scheduled destination then all traveler PLF information shall be lost for follow-up.

-If the aircraft engineering check up is acceptable with minimal delay ,then no need to get PLF from the rest of passengers after consultation with WHO(Focal Point) Local representative at destination airport.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

Annex 9-8.15.1 Recommended Practice.— *When a public health threat has been identified, and when the public health authorities of a Contracting State require information concerning passengers' and/or crews' travel itineraries or contact information for the purposes of tracing persons who may have been exposed to a communicable disease, that Contracting State should accept the "Public Health Passenger Locator Card" reproduced in Appendix 13 as the sole document for this purpose.*

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

(Article 42-IHR) Implementation of health measures

Health measures taken pursuant to these Regulations shall be initiated and completed without delay, and applied in a transparent and non-discriminatory manner.

(Article 43 –IHR).

This delay, should not be more than
24 hours.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by KIA (Kuwait Airport- Facilitation Center)

- 1 Airport Facilitation Center Staff shall take the necessary measures to protect the passengers and airport employees from becoming contagious and coordinate with Ground Handling Agent Representative to help in the isolation of the suspected cases so the disease will not spread.
- 2 Assign a coordinator from the Airport Facilitation Center specialized in dealing with this type of cases and to coordinate with Head of Medical Team, Airline Company Representative and Ground Handling Agent to facilitate all necessary measures needed for the affected traveler and the rest of aircraft onboard travelers.
- 3 Facilitate in exiting the patient from the airport when he needs to be transfer to the Regional Medical Hospital in coordination with the Airport medical Centre and KIA Passport Department (Immigration office).
- 4 Facilitate disembarking the rest of passengers from the aircraft for any unexpected delay for the aircraft to depart to its destination .

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

Action by the Aircraft Operator - Airline Company

1 The Commander of the aircraft shall notify the Air Traffic Services Unit of the Kuwait International Airport about the Epidemic or the viral case on the aircraft and should furnish the following information:

Aircraft Identity

Point of Departure

Airport of Arrival

Estimated Arrival time

Numbers of Passengers on Board the Aircraft

Numbers of Suspected Cases on Board the Aircraft

Nature of the Danger to the Public Health if it is known to the Commander

2 Cabin Crew should implement all approved in flight or ground company procedures related to the management of onboard communicable diseases.

3 The Commander of the aircraft shall inform the Ground Handling Agent with all the information he knows about the suspected case.

4 Coordinate with the Airport Medical Centre with regards to health situation of the suspected case.

5 Coordinate with the Airport Medical Centre and the Ground Handling Agent to sterilize the aircraft after evacuation of the suspected case and performing all necessary procedures.

6 Ground agent should Follow up on the suspected case situation at the regional medical hospital until he leaves and depart from the country.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)

An Aircraft had scud the tail during over weight landing



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

Landing Gear and Tires needs full inspection for damage or burst after over weight landing



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Engineers at KIA inspecting landing Gear of an aircraft

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Airside Transit Hotel at KIA can be used for lay over of delayed travelers

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Interior facilities of KIA Transit Hotel

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

Measures to be taken after the aircraft landing:

j) Procedures need to be in place for obtaining baggage, customs and security clearance of a sick traveler,

All surfaces that may have been in contact with a sick traveler need to be appropriately treated. Removable materials should be handled with biohazard precautions.

** Ambulance car used should be also appropriately treated.

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



General overview for what is really needed for an aircraft disinfection

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Aircraft Interior Cleaning and disinfection



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



Aircraft flying Back to its original destination

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit - Kuwait International Airport Experience (KWI)



State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation



Management of a communicable disease affecting travelers in transit -
Kuwait International Airport Experience (KWI)

Thank you

Dr. Mubarak Aldoub

Consultant Aviation Medicine

Directorate General Of Civil Aviation-Kuwait

Safety Department-Kuwait International Airport

State of Kuwait

دولة الكويت

الإدارة العامة للطيران المدني
Directorate General of Civil Aviation

