

# Cooperative Arrangement for the Prevention of Spread of Communicable Disease through Air Travel (CAPSCA)

Michiel Vreedenburgh
Deputy Regional Director & CAPSCA Project Coordinator
North American, Central American and Caribbean Regional Office
International Civil Aviation Organization

ICAO/LACAC Regional Seminar on Aviation Security 14 - 15 May 2012



## **CAPSCA** Origin

- **★** SARS 2003
- ★ Avian Influenza (H5N1) 2005
- ★ CAPSCA launched in Asia-Pacific 2006
- ★ WHO International Health Regulations IHR (2005) 2007
- ★ ICAO Public Health Emergency related SARPs in Annexes 6, 9, 11, 14 and PANS-ATM (Doc 4444) 2007 & 2009
- ★ Influenza A(H1N1) 2009
- ★ Haiti cholera outbreak 2010
- ★ Fukushima nuclear power plant accident 2011
- ★ E. Coli in Europe 2011
- ★ Contagion movie 2011



#### **CAPSCA Context**

★ Humanitarian cause to protect public health

★Multi-sector collaboration – UN agencies and national authorities and service providers

★International cooperation between States and Organisations

**★**Assistance to States



### **CAPSCA Objectives**

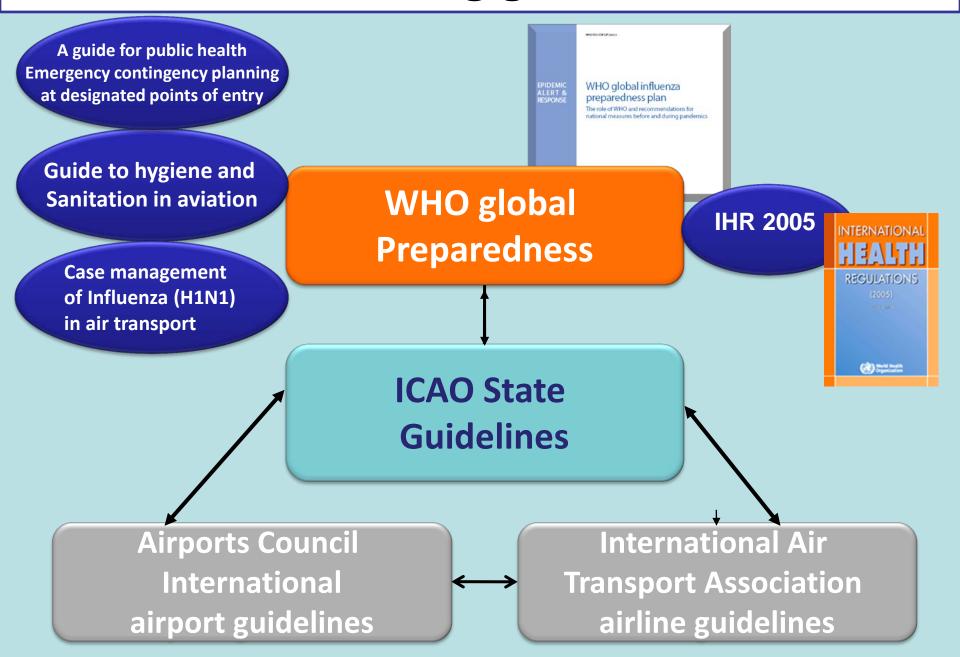
- ★Public Health Protection by preventing the spread of communicable diseases through air travel – air travellers, airport and airline personnel, and general public
- ★ National communication, collaboration, cooperation and coordination amongst civil aviation authorities, public health authorities, airports, air navigation service providers (ATC), airlines, tourism authorities and emergency/disaster response agencies.
- ★ Regional cooperation amongst States and Organizations a mechanism for pooling and sharing expert resources.



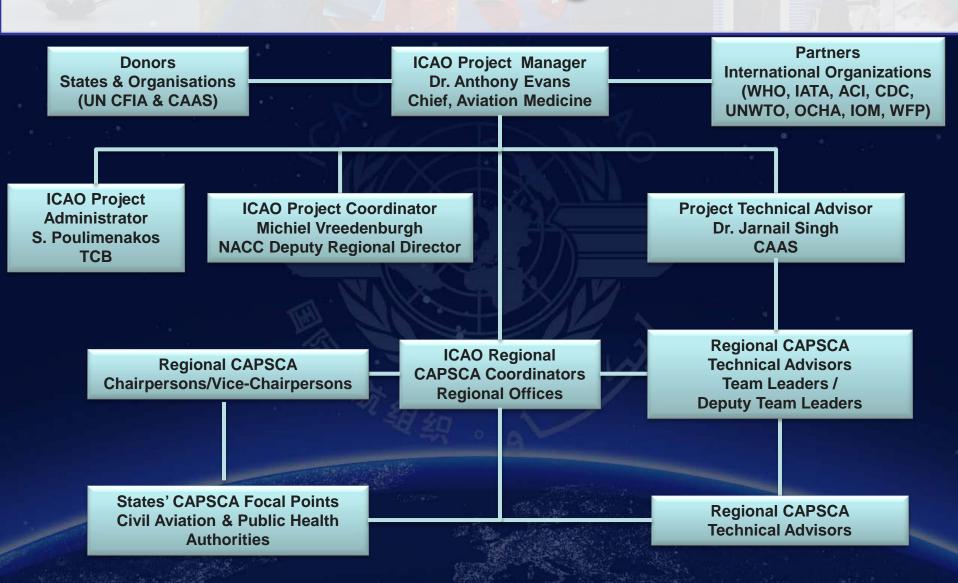
#### **CAPSCA Programme**

- ★Assistance to States to establish, maintain, validate and improve the aviation sector preparedness within national public health emergency plans and develop core capacities:
  - ★adherence to Art. 14 of the Convention on Int'l Civ. Aviation;
  - ★Implementation of ICAO Assembly Resolution A37-13;
  - ★ compliance with ICAO SARPs (Annexes 6, 9, 11, 14 and 18), Procedures (PANS-ATM) and FAL Manual;
  - ★ compliance with WHO IHR (2005) for designated airport points of entry (15 June 2012 deadline);
  - ★implementation of ICAO, WHO, ACI and IATA guidelines.

#### Interlinking guidelines



## **CAPSCA Global Organisation**









United Nations Central Fund for Influenza Action (UN CFIA)



Office for the Coordination of Humanitarian Affairs



IOM - OIM













World Tourism Organization



CENTERS FOR DISEASE CONTROL AND PREVENTION





# ICAO CADSCA Pagional Drainets

<u>12</u>

20

0

0

icao capsca regional Projects						
	Asia-Pacific	Africa	Americas	Europe	Middle East	
Year of Establishment	2006	2007	2009	Sept. 2011	Dec. 2011	
No. Member States	17	17	29	6	5	

5

State

Technical

**Advisors** 

Trained by

ICAO (OJT

State &

**Airport** 

**Visits** 

Assistance

Completed

completed)

9

### **CAPSCA Americas Member States (29)**



### **CAPSCA Americas Organisation**

Donor States &
Organisations
(UN CFIA & CAAS)
Project Technical Advisor
Dr. Jarnail Singh

ICAO Project
Administration
Technical Cooperation
Bureau

ICAO Project Manager
Dr. Anthony Evans
Chief, Aviation Medicine
ICAO Project Coordinator
Michiel Vreedenburgh
NACC Deputy Regional Director

Partner International Organizations (WHO/PAHO, IATA, ACI, IFALPA, ALTA, WFP, CDC, OCHA, UNWTO, IOM, IAMA)

ICAO Regional Coordinators Lía Ricalde (SAM) Jaime Calderon (NACC)

Chairperson
Dr. Patricia Barrientos
Colombia
Vice-Chairman
Dr. R. Manoharsingh
Barbados

Technical Advisors Team Leader
Dr. Valente Aguilar
Mexico
Deputy Team Leader
TBD

**Technical Advisors** 

Member States & Territories Civil Aviation Authorities & Public Health Authorities



## **CAPSCA Project Activities**

- **★**Meetings
- ★ Seminars/Workshops/Exercises/Training
- ★Develop and improve guidance and tools
- **★**Assistance Visits to States and Airports
- ★Implementation advice and guidance to States



#### **CAPSCA Resources**

★ Donors - UN CFIA, CAAS (Expert)

★Principal International Organization Partner – WHO

★ Member States' Technical Advisors

★ Meeting Hosts (ICAO Regional Offices & States)



#### **CAPSCA Americas States' Trained Technical Advisors**



# **ICAO CAPSCA Achievements (1)**

- ★5 Regional Projects e. g. Americas
- ★Partner Organisations (UN agencies & Aviation Industry Organisations) e. g. PAHO, IATA
- ★74 Member States
- ★34 State and Airport Assistance Visits
- ★17 Trained State Technical Advisors with OJT for Assistance Visits
- ★Amendments to five ICAO Annexes (6, 9, 11, 14, 18)
- ★Incorporation of questions on PHE preparedness in ICAO USOAP

# ICAO CAPSCA Achievements (2)

- ★CAPSCA assistance visit guidelines, checklist, report template
- ★Template for National Aviation PHE Preparedness Plan
- ★CAPSCA web site www.capsca.org
- **★WHO** collaboration on training and visits
- ★ National implementation of CAPSCA methodology
- ★Assembly Resolution A37-13 all 191 States agree to join CAPSCA



#### **CAPSCA Americas State Assistance Visits (20)**





#### **CAPSCA Web**

- ★www.capsca.org
- ★Global, Americas, APAC, AFI, EUR & MID sections
- ★ICAO and Partner Organisation technical references, links and contacts
- ★ Draft Template for an Aviation Plan for a Public Health Emergency of International Concern
- ★ State national, airport, airline & ANSP Plans
- ★ Meeting reports, working papers and presentations
- ★Assistance visit guidelines, checklists and report template
- ★webmaster@capsca.org

#### **ICAO SARPs & Guidelines**

ICAO Cooperative Arrangement for the Prevention of Spread of Communicable Disease through Air Travel (CAPSCA)



#### Introduction

Coordinating the international aviation response to public health risks. the International Civil Aviation Organization.

(Cooperative Arrangement for the Prevention of Spread of Communicable disease through Air travel) international, regional, national and local organizations are brought together to combine

Whether your interest concerns aviation regulation, public health, aircraft or airport operations, this website will help

#### CAPSCA Objectives

Public Health Protection - general public, air travellers and aviation personnel.

Assistance to States/Territories to establish national aviation pandemic preparedness plans, and

- adherence to Article 14 of the Convention on International Civil Aviation;
- ompliance with related ICAO SARPs (Annexes 6, 9, 11 and 14) and
- compliance with WHO IHR (2005) regulations; and
- implementation of ICAO, WHO, ACI and IATA guidelines.

Cooperation amongst civil aviation authorities, public health authorities, airports,

Regional cooperation amongst States and Territories - a mechanism for pooling and sharing expertise and resources

Training of airport evaluators, evaluation of airports, development of core capacities, and provision of advice to States and Territories.

Further development and improvement of guidelines for the aviation sector.



Global





#### Regional







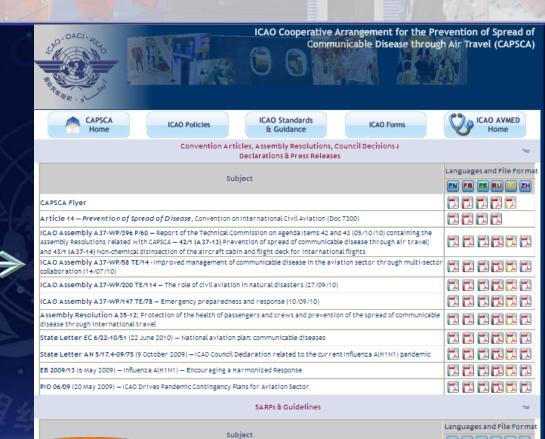
References







www.CAPSCA.org



Forms

ning the Management of Communicable Disease Posing a Serious Public Health Risk

Languages and File Format

TIT

Subject

EN FR ES RU AR ZH

Annex 9 - Facilitation, Appendix 1 - General Declaration

ICAO Health Related Documents

Appendix - Passenger Locator Card

Copyright 01995-2011, ICAO - All Rights Reserved | Disclaim



## **ICAO CAPSCA Benefits (1)**

- ★ Improved and harmonized public health emergency response planning, preparedness and management in aviation sector
- ★ Multi-sector framework and network within State, between States and between International Organisations
  - **★**Global
  - **★** Regional
  - **★** National
  - **★**Local
- ★ Before, during and after PHE
  - **★** Communication
  - **★** Coordination
  - ★ Cooperation
  - **★** Collaboration



## **ICAO CAPSCA Benefits (2)**

- \*Reduced impact of public health emergencies on populations:
  - ★ Reduced/mitigated spread of disease
  - ★ Delayed spread of disease
  - ★ Peak effects of disease reduced
- ★ Optimize resources for PHE response
- ★ Proportional response encouraged 'knee jerk' reactions minimised
- ★ Mitigation of public fear and economic and social effects
- ★ Timely and planned return to normal operations
- ★ Improved management of risk perception for air passengers and aviation personnel
- ★ Synergistic development of standards and guidance, utilising resources from different sources, both public and private



#### **Common Actions required by States**

- ★ Aviation and public health authorities to have formal framework, agreement and procedures for working together on the national PHEP for aviation
  - ★ Requires collaboration of government at ministerial level
- ★ Civil aviation regulations should include PHE related SARPs
- ★AEPs should include procedures and protocols for PHEs harmonised with national PHEP for aviation sector
- ★CAA and PHA should jointly review the AEP
- ★ Personnel need training in AEP and AEP should be exercised
- ★Whole of Society Approach to emergency planning needs consideration



## **ICAO CAPSCA Ongoing Activities**

- ★Continue to foster collaboration between civil aviation and health sectors – WHO/ICAO, PHA/CAA, Government authorities/industry service providers, etc.
- ★ Facilitate implementation of relevant parts of WHO IHR(2005)
- ★Increase State membership (e.g. only OECS States and Caribbean Territories pending)
- **★**Meetings
- **★**Training
- **★** Assistance visits
- **★**Guidance
- ★ Web resource



## **ICAO CAPSCA Future Development**

- ★ State Action Plans and implementation of CAPSCA Assistance Visit Recommendations
- ★ Regional Coordinators to follow-up with States
- \*Review lessons learned and improve the assistance visit process
- ★ Analyse observed regional trends and recommend typical actions
- ★ Promote national, multi-lateral and sub-regional implementation of CAPSCA concept and PHE plans
- ★ CAPSCA Follow-up Visits to States
- ★ Business continuity and communications guidance
- ★ Expand scope of CAPSCA beyond communicable diseases to incorporate all types of event with the potential to become a public health emergency with an international impact
- Passenger screening methods survey and research

## ICAO USOAP Audit - Organization

199			A A MAIN	× .	100
ICAO ref.	Protocol question	Reply	Guidance for review of protocol question	Status of implementation	Evidence/Notes/ Comments
	ORG: prevention of co	mmunicable (	disease		
CC Art 14 A9 8.12 & 8.16 A37-13	Has the State identified a clear contact point at national aviation level, with identified individual(s), for policy formulation, operational organization of preparedness and coordination of a national plan in order to respond to a communicable disease with the potential to pose a serious public health risk?	☐ Yes☐ No  If yes, provide name and contact details			New question

# ICAO USOAP Audit - Operations

_								
ICAO ref.	Protocol question	Reply	Guidance for review of protocol question	Status of implementation	Evidence/ Notes/ Comments			
	OPS: prevention of communicable disease							
A9 8.15 Note 1 A9 2.10 & App1 A6 6.2 and AttB	Does the aircraft operations organization ensure that the air operator has established a procedure for the crew to evaluate a traveller with a suspected communicable disease, based on the presence of a fever and certain other signs or symptoms?	□ Yes □ No	Review operations inspectors procedures to ensure they check air operators related procedures Sample an air operator procedure in operations manual or cabin crew manual Check the procedure includes the transmission, as required, of a General Declaration form to the State authorities.	□ Satisfactory □ Not satisfactory				

## ICAO USOAP Audit - Operations

ICAO ref.	Protocol question	Reply	Guidance for review of protocol question	Status of implementation	Evidence/ Notes/ Comments
	OPS: prevention of comr	municable dise	ase		
A9 8.15 PANS ATM Doc 4444 16.6.1	Does the aircraft operations organization ensure that the air operator has established procedures for the pilot in command to report promptly to ATC a suspected communicable disease?	□ Yes □ No	Review operations inspectors procedures to ensure they check air operators related procedures Sample an air operator procedure in operations manual Ensure, in the procedure, that the following information is transmitted by the crew: a) aircraft identification; b) departure aerodrome; c) destination aerodrome; d) estimated time of arrival; e) number of persons on board; f) number of suspected case(s) on board; and g) nature of the public health risk, if known.	□ Satisfactory □ Not satisfactory	

# ICAO USOAP Audit – Air Navigation Services

Evidence/ Guidance for review of Status of ICAO ref. **Protocol question** Notes/ Reply protocol question implementation **Comments** ANS: prevention of communicable disease Does the State ensure that **PANS** □ Yes Review procedure and □ Satisfactory the ATS has established a mechanism established to Doc 4444 □ No □ Not satisfactory procedure, upon receipt of 16.6. 2 & 16.6.3 ensure the message is information from a pilot forwarded to the appropriate regarding a suspected case entities, especially that of communicable disease, to forward a message as relating to transfer of soon as possible to: information from the the ATS unit serving the destination ATS unit to the destination/departure if public health authority applicable Review the mechanism to the public health authority ensure the contact details of (PHA) or the appropriate each entity are up to date and authority designated by the State available the aircraft operator or its During industry visit ensure

the procedure is known by

the staff and contact details of the entities are available

designated representative

the aerodrome authority?

### ICAO USOAP Audit – Aerodromes

ICAO ref.	Protocol question	Reply	Guidance for review of protocol question	Status of implementation	Evidence/ Notes/ Comments			
	AGA: prevention of commo	AGA: prevention of communicable disease						
STD A14, Vol. I 9.1.1 to 9.1.3  RP A14, Vol. I 9.1.4 & 9.1.5  GM Doc 9734 Part A 2.4.7  GM Doc 9774 App. 1 4.3	AGA 8.291 Has the State promulgated regulations for aerodrome operators to develop emergency plans, including appropriate cooperation and coordination with other entities involved in the provision of emergency services and the development of the plans?	□ Yes □ No	Include emergencies which may occur in the vicinity of an aerodrome Sample aerodrome manual Review regulation and manuals to ensure inclusion of public health emergencies and coordination with public health services	□ Satisfactory □ Not satisfactory				

# ICAO USOAP Audit - Air Navigation

Services							
ICAO ref.	Protocol question	Reply	Guidance for review of protocol question	Status of implementation	Evidence/ Notes/ Comments		
	ANS: prevention of comm	unicable di	sease				
STD A11 2.30 Att. C	ANS 7.153 Does the State ensure that contingency plans have been developed and promulgated for implementation in the event of disruption or potential disruption of ATS or related supporting services?	□ Yes □ No	Review documented evidence for inclusion of contingency plans in respect of <u>public health</u> <u>emergencies</u>	□ Satisfactory □ Not satisfactory			



#### **Proposed Amendment 23 to ICAO Annex 9**

- ★State Letter Ref.: EC 6/3-12/14 dated 17 February 2012
- ★ New improved Appendix 13 Public Health Passenger Locator Form to replace existing card
- ★To enhance data sharing and efficiency of response by public health authorities in the event of a public health emergency of international concern, such as a pandemic or large-scale epidemic
- ★ Developed in collaboration with WHO, IATA and CDC
- ★Action required: Comments to ICAO by 19 April 2012
- ★Applicable February 2013

# Proposed Revised Passenger Locator Form (Card)

		PUBLIC HEALTH PASSENGER	LOCATOR CARD		
Public Health Passenger Locator Forms: To protect your health, public health difficen need you to complete this form whenever they suspect a communicable disease onboard a flight. Your information will help public health offices 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 privacy laws and used only for public health purposes. "Thorsk you for helping us to protect your health."		information you provide will as	sist the public health authorities to manag	alth authorities suspect the presence of a communicable disease ge the public health event by enabling them to trace passengers ntended to be held by the public health authorities in accordance	who
One form should be completed by an adult member of each family. Print in capital (uppercase) letters. Leave blank boxes for spaces.	100	applicable law and to be used o			
FUGHT INFORMATION: 1. Airline name 2. Flight number 3. Seat number 4. Date of arrival (dd/nm/yyyy)	_	Flight Information 1. Airline and Flight Number	2. Date of arrival	3. Seat Number where you actually sat on the a	nircraft
PERSONAL INFORMATION: 5. Last (Family) Name 6. First (Given) Name 7. Middle Initial 8. Your sex  Male Famale	-5	Airline Flight Number	DD MM YYY	YY	
PHONE NUMBER(S) where you can be reached if needed. Include country code and city code.	-	Personal Information			
9. Mobile 10. Business 11. Home 12. Other 13. Email address 12. Other 13. Email address 14. Other 15. Email address 15. Other 16. Other 16. Other 16. Other 17. Other 17. Other 17. Other 18. Other		4. Name Family Name		Given Name(s)	
PERMANENT ADDRESS: 14. Number and street (Separate number and street with blank box) 15. Apartment number	1	Your Current Home Address (included and Street Name and Number	City	State/Province	Ш
16. City 17. State/Province 18. Country 19. ZiP/Postal code		Country	ZIP/Postal Code	e	
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)  beautiful to bid the bid of the bid		Your Contact Phone Number (Resi	ne Number  E-mail address	13 FM G	
23. Clty 25. Country 25. ZIP/Post		Pasport or Travel Document Numb  Contact Information  5. Address and phone nu		visiting many places, your cell phone and initial address	
EMERGENCY CONTACT IN  27. Last (Family) Name  28. Marine 29. City  30. Country  31. Email		Street Name and Numbe Country	City  ZIP/Postal Code	State/Province  Telephone Number (including country code) or mobile phone nu	ımber
32. Mobile phone 33. Other phone	0	Contact information for the person     Please provide the name of a close     a. Name	on who will best know where you are for the ne e personal contact or a work contact. This must	ext 31 days, in case of emergency or to provide critical health information t NOT be you.	to you
34. TRAVEL COMPANIONS – FAMILY: Only include age if younger than 18 years	***				
Last (Family) Name   First (Given) Name   Seat number Age <18			one Number E-mail address	Given Name(s)	
(4) (5) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9		c. Address Street Name and Number	City	State/Province	
35. TRAVEL COMPANIONS - NON-FAMILY: Also include name of group (if any)					
Last (Family) Name First (Given) Name Group (tour, teom, business, other)	2525	Country	ZIP/Postal Code	de	
(3)		7. Are you traveling with anyone els	se? YES/NO Circle appropriate res	sponse. If so, who? (name of Individual(s) or Group)	

#### **Next CAPSCA Americas Activities**

★CAPSCA Assistance Visits to Argentina, Bahamas, Belize, Chile, El Salvador, Haiti, Paraguay, Trinidad and Tobago, and Uruguay in 2012

★4<sup>th</sup> CAPSCA Americas & 3<sup>rd</sup> CAPSCA Global Coordination Meeting – Santiago, Chile, 8 – 12 October 2012



#### **Recommended Actions**

★OECS States and Caribbean Territories are encouraged to:

- a) Prepare, update and implement public health emergency preparedness plans in the aviation sector with the collaboration between the civil aviation and public health authorities, and perform exercises to test such plans, in compliance with related ICAO SARPs and WHO IHR (2005);
- b) confirm participation in CAPSCA Americas by the civil aviation authority (CAA) and/or public health authority (PHA) sending a letter to ICAO and/or PAHO/WHO, respectively no costs;
- c) designate CAPSCA focal point(s) from CAA and/or PHA;
- d) volunteer technical advisor(s) from CAA and/or PHA to be trained by ICAO and participate in assistance visits; and
- e) request Assistance Visits by sending a letter to ICAO no costs.

# 4<sup>th</sup> Meeting of North American, Central American and Caribbean Directors of Civil Aviation (June 2011)

★ Conclusion 4/7 - ICAO Cooperative Arrangement for the Prevention of Spread of Communicable Disease through Air Travel (CAPSCA) — Americas (Regional Technical Cooperation Project RLA/08/901)

#### That:

- a) Antigua and Barbuda, French Antilles, Grenada, Netherlands Territories, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, United Kingdom Territories, and ECCAA confirm participation in CAPSCA-Americas by sending a letter to the ICAO NACC Regional Office);
- b) States prepare and update aviation public health emergency preparedness plans in collaboration with the civil aviation and public health authorities; and perform exercises to test such plans in compliance with related ICAO SARPs and WHO IHR (2005); and
- c) States that have not yet received assistance visits accept such visits scheduled by CAPSCA-Americas in 2011 and 2012.



ICAO Assembly - 37th Session (October 2010)

Resolution A37-13: Prevention of spread of communicable disease through air travel

#### The Assembly:

- 1. Urges Contracting States and regional safety oversight organizations to ensure that the public health sector and the aviation sector collaborate to develop a national preparedness plan for aviation which addresses public health emergencies of international concern and which is integrated with the general national preparedness plan;
  - 2. Urges Contracting States to develop a national preparedness plan for aviation that is in compliance with the World Health Organization International Health Regulations (2005) and which are based on scientific principles and on the guidelines from ICAO and the World Health Organization;
  - 3. Urges Contracting States, and regional safety oversight organizations as appropriate, to establish requirements for the involvement of stakeholders such as airport operators, aircraft operators and air navigation service providers in the development of a national preparedness plan for aviation; and
- 4. Urges Contracting States to join and participate in the Cooperative Arrangement for the Prevention of Spread of Communicable Disease through Air Travel (CAPSCA) project, where available, to ensure that its goals are achieved, unless equivalent measures are already in place.

