CAPSCA Global Feedback

CAPSCA-MID/06

February 2017

Dr. Ansa Jordaan
Chief, Aviation Medicine Section
International Civil Aviation Organization

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Public Health Effects on Aviation

- Spread of disease by air transport –mathematically modelling

- Spread of vectors by air transport –predicted risk maps

- Passengers and crew illness – delays and possible quarantine

- Absence of safety critical personnel - flight safety risk

- Affect aviation efficiency
  - flight restrictions
  - reduce the transport links that help to manage the event
  - administrative burdens
  - Additional requirements – disinfection and disinsection

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA Objectives

- Ensure a safe and economically viable air transport network, with minimal effect on international travel and trade

- Improves preparedness planning and ability to deliver a prompt response to public health events affecting Civil Aviation

- Assist States with implementation of ICAO Standards and Recommended Practices (SARPs) & WHO International Health Regulations (IHR)

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Meeting Objectives

- Facilitate public health sector and aviation sector collaboration and coordination

- Sharing of best practices

- Development of practical and cost-effective solutions

- State consultation to build capacity and improve CAPSCA

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA Global Activities
(Feb 2016 – Jan 2017)

- Collaborative meetings – ICAO, WHO, PAHO, Global Health Security, CDC, FAA

- Monthly stakeholder teleconference – United Nations, WHO, CDC and others

- 2-weekly Aviation Sector teleconference – IATA, ACI, IFALPA, ITF

- CAPSCA Regional Meetings and Assistance Visits participation

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA Global Activities
(Feb 2016 – Jan 2017)

- Three State Letters published – Ebola, Zika, CAPSCA focal point

- State survey on CAPSCA

- ICAO Assembly working papers

- Implementation Airport Vector Control Registry

- Development of Aviation Risk Assessment Tool for vector-borne disease

CAPSCA
Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA Regional Activities
(Feb 2016 – Dec 2016)

- MID
  - Regional meeting: 29 Feb - 3 March 2016, Egypt
  - Participation WHO JEE: 29 May – 2 June 2016, Qatar
  - Regional meeting: 20 - 22 February 2017, Sudan
- Americas
  - Regional meeting: 6 - 9 September 2016
  - Collaboration meetings CDC and FAA: 15 – 18 August 2016, Atlanta

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA Regional Activities
(Feb 2016 – Dec 2016)

- EUR
  - 2nd Training Policy Group meeting: 11 October 2016, Budapest
  - Regional meeting: 12 – 14 October 2016, Budapest
- Asia-Pacific
  - Global and regional meeting: 15 - 18 November 2016 in Bangkok
- AFI
  - Next regional and global meeting to be held in Zambia, Africa

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

CAPSCA State Letter

International Civil Aviation Organization	Organisation de l'aviation civile internationale	Organización de Aviación Civil Internacional	Международная организация гражданской авиации	منظمة الطيران المدني الدولي	国际民用航空组织

Tel.:   +1 514-954-8219 ext. 6088

Ref.:   AN 5/28-16/78   2 August 2016

Subject: State support for the Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA) programme

Action Required: a) nomination by States and international organizations of medical focal point for CAPSCA; and b) completion of CAPSCA survey

CAPSCA Survey

- State Letter published 2 August 2016
- Nomination of CAPSCA focal point and completion of survey
- Feedback requested by 30 September 2016
- 54 out of 191 States responded; of which 36 are members of CAPSCA
- Only 2 States from the MID region responded

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

CAPSCA

www.capsca.org

Survey: Reasons not having CAPSCA membership

RESOURCES

- Need coordination of national state department
- Limited human resources
- Limited financial support
- Not considered priority at this stage

Survey: Support needed (strategic)

- Closer collaboration & communication between ICAO, IATA and WHO

- Harmonization of WHO IHR & ICAO Annexes

- Clear definition of responsibilities in implementation of IHR and SARPS

- Standardization across the world

- Setting up of an effective collaborating mechanism between Ministry of Health and Civil Aviation Department

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Survey: Support needed (training)

- Capacity building in planning & response
- Information about CAPSCA courses
- Preparing technical advisers for CAPSCA
- Training & observation visits for Public Health Authorities Table top exercises with concerned stakeholders
- Recurrent training with experts
- Continued participation at joint meetings and opportunities to learn from and share information and approaches taken by member States

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Survey: Support needed (technical)

- Review of preparedness plans
- Support with planning & testing of procedures
- CAPSCA assistance visits
- Advice, monitoring and audit of States
- Establish a pool of Aviation Medicine & Public Health Experts regionally to provide technical advice to the member countries

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Survey: Requests from States

- More guidelines for appropriate reaction in case of new threats

- Risk assessment guidance and performance-based criteria in aircraft disinsection

- Update CAPSCA web page with scientific advances and new protocols and procedures

- Health and safety guidance/ health promotion - passengers & crew

CAPSCA focal point

- Contact point for ICAO for in relation to CAPSCA
- Liaison with IHR national focal point
- Communicate with national stakeholders any relevant CAPSCA information
- Providing help to ICAO with assistance visits
- Inform ICAO of CAPSCA related issues that might affect their State
- Keep informed of CAPSCA assistance visits in neighbouring States should they wish to attend as observer
- Internal state coordinator

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

ICAO Assembly October 2016

- Agenda Item 31 - high-level policy issues considered by the Executive Committee

- Approved a three-pronged approach on disinsection:

  – Development of performance-based criteria for non-chemical and chemical disinsection

  – specific guidance on the components of a scientifically based risk assessment model for States to use

  – effective means for information sharing regarding vector control and disinsection measures and status at international airports

CAPSCA

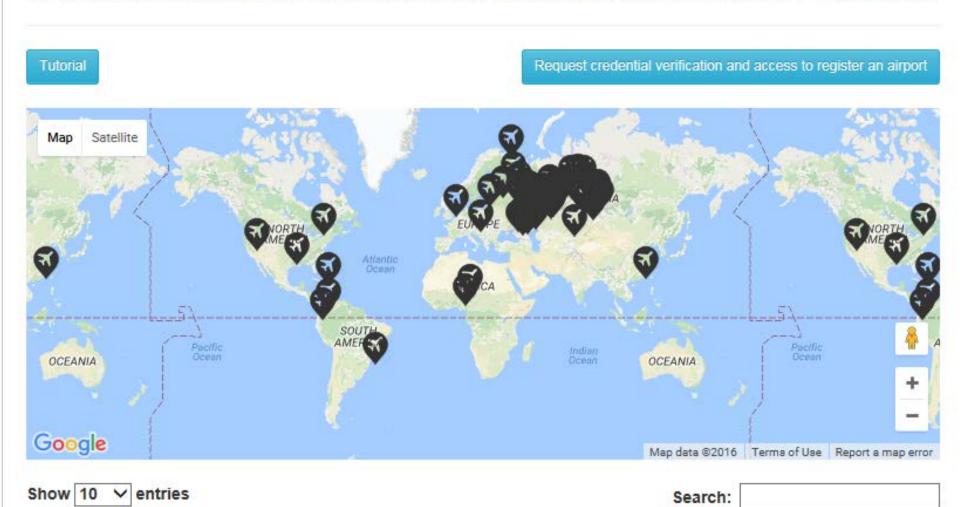Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Airport Vector Control Register

The map and list below indicates those airports which have entered information into the ICAO Airport Vector Control Register.

[Tutorial]

[Request credential verification and access to register an airport]

Show [10 ▼] entries

Search: [   ]

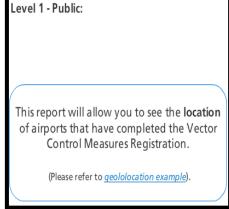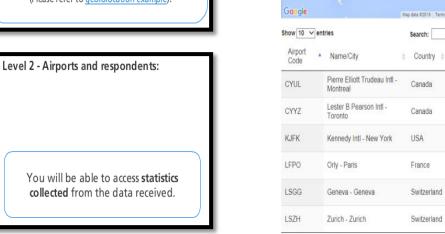| Airport Code ▲	Name/City	Country	Register Entry Created

Vector Control Register

Airport Vector Control Register

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

Level 1 - Public:

This report will allow you to see the **location** of airports that have completed the Vector Control Measures Registration.

(Please refer to *geololocation example*).

Level 2 - Airports and respondents:

You will be able to access **statistics collected** from the data received.

Level 3 - States:

You will be able to access **geolocations**, **statistics** and **detailed analytical reports** for each airport.

Tutorial | Request credential verification and access to register an airport

Map | Satellite

Google — Map data ©2016 | Terms of Use | Report a map error

Show 10 entries   Search:

Airport Code	Name/City	Country	Registry Created
CYUL	Pierre Elliott Trudeau Intl - Montreal	Canada	4/5/2016 7:10:08
CYYZ	Lester B Pearson Intl - Toronto	Canada	4/5/2016 10:28:26
KJFK	Kennedy Intl - New York	USA	4/6/2016 13:44:49
LFPO	Orly - Paris	France	4/5/2016 19:04:09
LSGG	Geneva - Geneva	Switzerland	4/8/2016 12:12:18
LSZH	Zurich - Zurich	Switzerland	4/6/2016 7:28:32

Showing 1 to 6 of 6 entries   Previous | 1 | Next

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Aviation Decision Aid Model

- Tool to support the assessment of residual risk related to the spread of vectors at an arrival airport
- Methodology
  - Prevailing risk at airport
  - Risk modification components
  - Request departure airport and operator for additional measures
  - Introduce mitigation measures at the arrival airport

Part A – Prevailing risk and residual risk assessment

Conclusions CAPSCA Global meeting Bangkok Nov 2016 Yellow Fever

- ICAO and WHO to continue disseminating information about new validity of the certificates for Yellow Fever vaccination

- A single full dose of YF vaccine - life-long protection

- Policy came into force under IHR on 11 July 2016

- Some problems with State implementation

Conclusions Global meeting: ICAO & WHO Activities

- Increase the number of Assistant Visits (AVs) & learning activities

- Organise more regional workshops and training

- Use templates tailored to State's needs and provide to States in advance of Assistance Visits

- Develop and support training for States

- Update guidelines and AV guidance and tools

- Continue to play active role to support PHE implementation

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting State activities

- Measure implementation by completing the ICAO USOAP PQ (audit) self-assessments

- Nominate a CAPSCA focal point

- Request Assistance Visits (cost-recovery basis)

- Request a Joint External Evaluation (JEE), as part of the new WHO IHR Monitoring and Evaluation Framework

- Conduct PHE exercises and invite other States as observers

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting
State activities

- Share national experiences, best practices and PHE plans

- Train personnel as CAPSCA Technical Advisors

- Host regional meetings

- Contribute to CAPSCA SAFE fund

- Contribute 'in kind' – flight tickets, accommodation, meeting venues, providing expertise, etc.

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting
Best practices: PHE preparedness

- Cooperation and collaboration between all stakeholders

- Implement Risk Analysis and Risk Management approach

- Revise laws, regulations, policies, procedures, guidelines, SOPs if necessary

- Flexible plans to accommodate any PHE

- Senior management involvement

© Can Stock Photo - csp20287115

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting
Best practices: PHE preparedness

- Frequent awareness campaigns and training events
- Table top exercises and drills to validate emergency plans
- Minimize the impact on operations
- Clear, consistent and timely communications during emergencies

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting Airport Response Essentials

- SOP for PHE response available at PoE

- Networking & Collaboration at local, national & international level

- Collaboration with multi agencies at PoE

- Communication system and reporting system to Health Surveillance/ IHR NFP

- Exercises include Table-top, partial and full-scale simulations

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

Conclusions Global meeting
Airport Response Essentials

- Training for personnel
- Operations not to be disrupted if not necessary, including activation of the Emergency Operations Centre
- Access to interpreters for foreign languages to cater to passengers of differing nationalities

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

ICAO Priorities 2017

- Capacity building
  - Implement Technical Advisor training course
  - Strengthening at regional and national level
- CAPSCA guidance manual completion
- Develop CAPSCA implementation tool-kit for States
- Enhanced communication
  - CAPSCA focal points
  - Update of website
  - Development of CAPSCA App

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation

www.capsca.org

North American Central American and Caribbean (NACC) Office
Mexico City

South American (SAM) Office
Lima

ICAO Headquarters
Montréal

Western and Central African (WACAF) Office
Dakar

European and North Atlantic (EUR/NAT) Office
Paris

Middle East (MID) Office
Cairo

Eastern and Southern African (ESAF) Office
Nairobi

Asia and Pacific (APAC) Sub-office
Beijing

Asia and Pacific (APAC) Office
Bangkok

THANK YOU

jjordaan@icao.int