ICAO Challenges in CAPSCA implementation

CAPSCA-MID/06

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CAPSCA

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

www.capsca.org

CAPSCA in context

Health perspective

- Role of UN
- Role of WHO
- Multi-sectoral relationship
- Public health impact

Aviation perspective

- Role of ICAO
- Role of aviation stakeholders
- Role of States
- Transport, travel and economic impact

ICAO perspective

- Global framework
- Regional framework
- State expectations
- Public expectations

CAPSCA Framework

International
- IHR
- SARPs - Annexes 6,9,11,14,18 & PANS-ATM
- Global Health Security, Joint External Evaluation Alliance & Sendai Framework for Disaster Risk Reduction
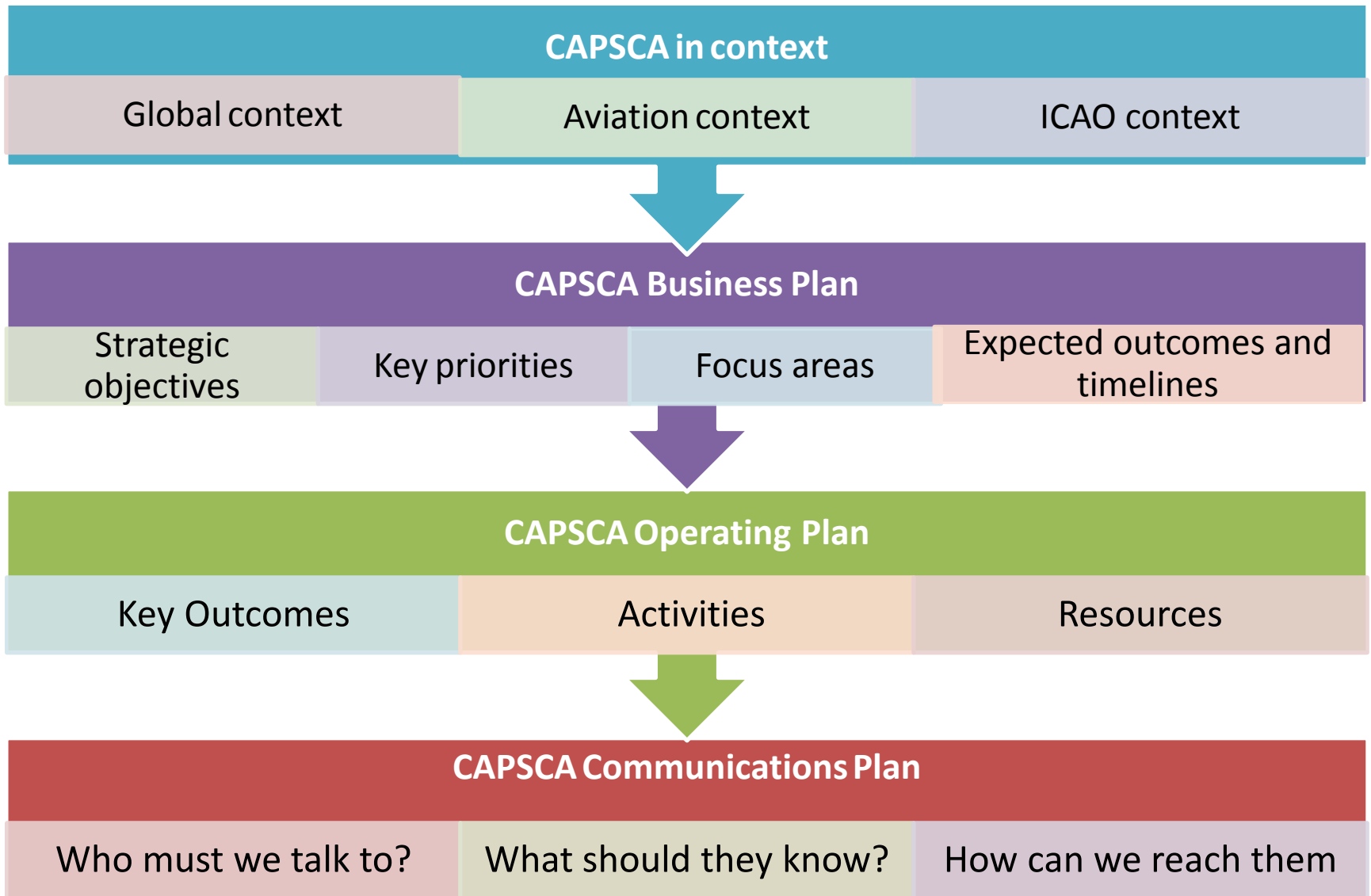
National
- Public Health Emergency Contingency Plan
- National Aviation Regulations with standards related to public health
- National Aviation Plan for Public Health Emergencies

Aviation
- Aerodrome Emergency Plan (including public health emergencies)
- Air Traffic Services (ATS) contingency plan
- Aircraft Operators Procedures
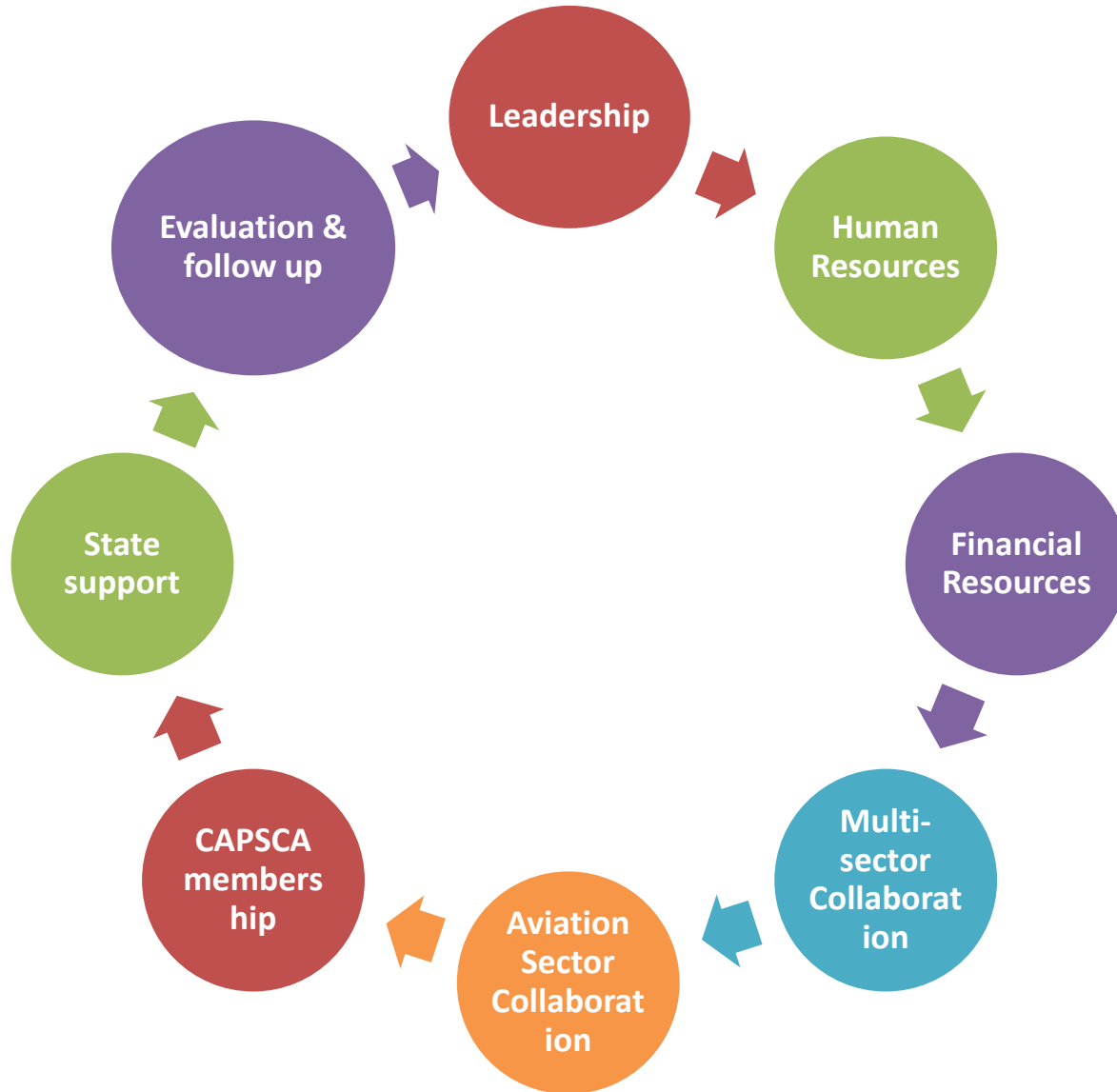- Business Continuity Plans

CAPSCA in ICAO context

CAPSCA in context

Global context	Aviation context	ICAO context

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CAPSCA Business Plan

Strategic objectives	Key priorities	Focus areas	Expected outcomes and timelines

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CAPSCA Operating Plan

Key Outcomes	Activities	Resources

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CAPSCA Communications Plan

Who must we talk to?	What should they know?	How can we reach them

CAPSCA Strategy

- Leadership
- Human Resources
- Financial Resources
- Multi-sector Collaboration
- Aviation Sector Collaboration
- CAPSCA membership
- State support
- Evaluation & follow up

Challenges and solutions

Challenge	Solution
Limited membership of ICAO signatories	State letter and survey Align CAPSCA strategy with ICAO objectives Develop CAPSCA business & operational plans Review CAPSCA structure Define and document roles & responsibilities Provide cost-benefit analysis & case scenario's State consultation
Membership, but not considered priority	State letter and survey Develop Manual and Guidance Material Communication strategy: web site, newsletter, etc. Standardized training courses Review activities & tools – meetings, visits, etc. Follow up on previous meetings, action plans and assistance visits to assist with implementation

Challenges and solutions

Challenge	Solution
Improve aviation sector collaboration	Establish ICAO Aviation Sector Forum Include CAPSCA in Forum & provide Terms of Reference Collaborative agreements with stakeholders Establish national CAPSCA focal points in aviation Keep aviation sector updated on developments Conduct a review of CAPSCA-related SARPs Build capacity in regional ICAO offices Improved national assistance/ support Aviation sector business continuity planning

Challenges and solutions

Challenge	Solution
Assist States to implement SARPs	CAPSCA Manual includes scenario's Standardized Documentation Templates Development of new tools - vector control registry Targeted guidance material for stakeholders Training results in certification and registration Assistance visits include observers from States Emergency Drills and exercises Sharing of best practices
Implementation and follow-up	Regional and National networks Advanced scheduled meetings, seminars, etc. Annual follow-up reports - ICAO regional offices Review ICAO audit questions Training of ICAO auditors

Challenges and solutions

Challenge	Solution
Multi-sector collaboration	High-level agreements with WHO, PAHO etc. Joint training initiatives Joint systems and databases Joint Assistance Visits Joint Assessments Sharing of other individual assessment findings Coordination and scheduling of events Improved communication channels
Human resources	Global, regional and national networks Defining roles and responsibilities Build national capacities

Challenges and solutions

Challenge	Solution
Financial resources	Business case for inclusion in Regular Programme budget of ICAO Develop business case for potential investors Define type of assistance needed & associated funds needed Applications for grants Promote CAPSCA programme to get sponsorships Work on specific projects with partners Encourage sponsorships by partners e.g. flight tickets Promotion and marketing –Events, media, etc.

Airport Vector Control Registry
Register on Public Website

- Hosted on ICAO infrastructure
- Accessible to the public
- Clear instructions on who should register and how to register
- Geolocation of registered locations
- 3 different levels of access control

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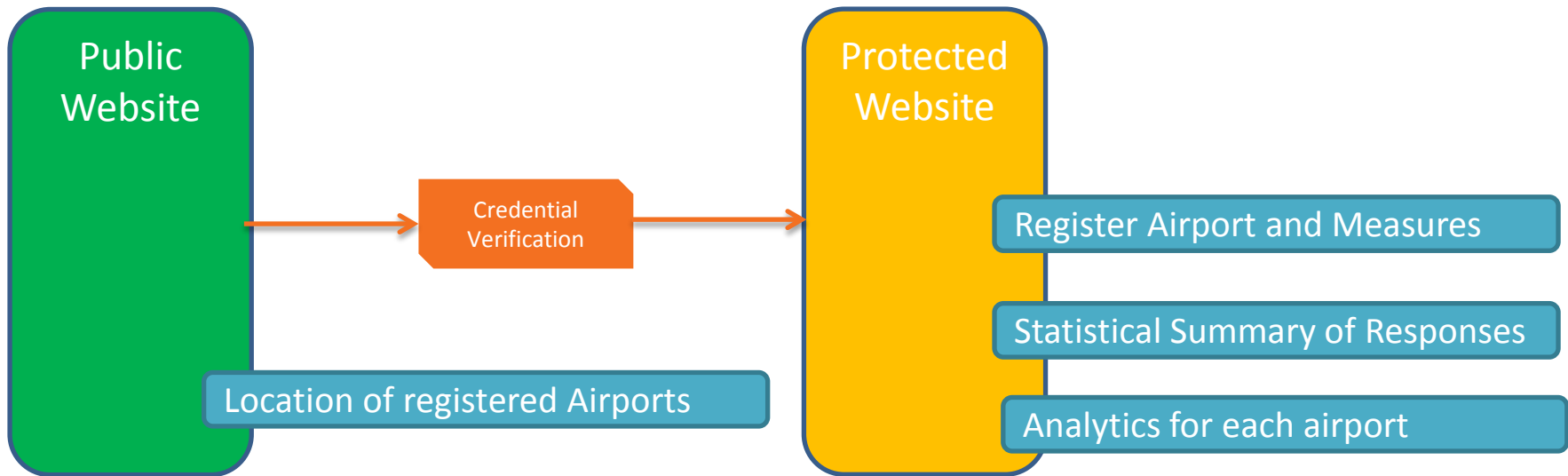
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Airport Vector Control Register

Public Website

Protected Website

Credential Verification

Register Airport and Measures

Statistical Summary of Responses

Location of registered Airports

Analytics for each airport

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Airport Vector Control Registry

Airport Vector Control Register

Aiport 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.

Tutorial | Request credential verification and access to register an airport

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

Request Credential Verification   ✕

The register is a protected site maintained by the International Civil Aviation Organization and requires registration to access.

If you represent an official agency involved in vector control at airport(s) and hold approrpriate authority for external communcation we invite you to register. Please submit your name, email for your Google account, phonenumber along with the airport you are representing by clicking on the below button. Your application will be submitted for processing and you will receive an email with further instructions.

Please review the tutorial for instructions how to request access and register for the Google account.

Close | Send message

Survey Questionnaire

- Developed by expert group (ACI, AFA-CWA, IATA, ICAO, IFALPA)
- Accessible to the verified users only
- Aims to gather information on what vector control measures are taken in specific airports
- Encourages information sharing for risk assessment concerning the vector controls

Survey Questionnaire

Survey on Airport Vector Control Measures

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

At present there is no centralized repository available to share information between airports and states concerning specific airport vector control measures in place to assist states in their risk assessment.

The airport vector control register is intended to facilitate the sharing of such information and allow for the dissemination of appropriate information.

Please complete one survey for each airport which you are responsible for e.g. if you are responsible for management of 3 different airports, please complete 3 separate surveys.

* Required

Location and contact information

1. Airport Location *
Please provide the ICAO 4-Letter location identifier for the airport you are reporting on

2. Organization *
Please provide the name of the organization you are representing

3. Name *
Please provide your name

4. Contact Email *
Please provide your work email

5. Contact Phone Number *
Please provide your work phone number

Vector control measures

6. Is the airport a designated airport in terms of the International Health Regulations (IHR) ? *
(Art.19; Art.20; and Annex 1 of the IHR)

○ Yes
○ No

7. Does this airport have a vector control programme? *

○ Yes
○ No
○ Don't know

8. Who is the "Competent Authority", as defined in IHR, that is responsible for ensuring the implementation of a vector control program at your airport ? *
(Articles 22; 24; 27 and Annex 4 & 5 of the IHR)

○ National Department of Health
○ National Department of Transport
○ Local municipality Health Department
○ Non governmental - Managed by Private Contractor
○ Other: [_____]

9. Which elements are incorporated in the airport vector control program ? *

☐ Surveillance and monitoring – data collection on sources of infection, including vectors and breeding sites

☐ Control methods – preventing establishment of local reservoirs and export of local vector species to other countries

☐ Monitoring and supervision of service providers

☐ Sharing of information and communication on vector control measures with stakeholders, passengers and public

☐ Evaluation - vector surveillance reports, statistical analysis, impact assessment

☐ Training of staff

☐ Other: [_____]

Reports

Level 3 - States:

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

Level 2 - Airports and respondents:

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

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 1 Report

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:

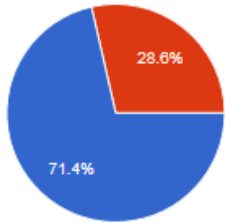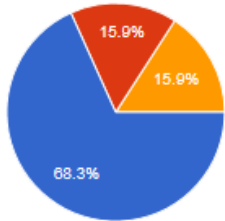| Airport Code ▲	Name/City	Country	Register Entry Created

Level 2 Report

Vector control measures

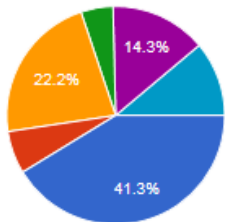**6. Is the airport a designated airport in terms of the International Health Regulations (IHR) ?**

Yes	45	71.4%
No	18	28.6%

7. Does this airport have a vector control programme?

Yes	43	68.3%
No	10	15.9%
Don't know	10	15.9%

8. Who is the "Competent Authority", as defined in IHR, that is responsible for ensuring the implementation of a vector control program at this airport ?
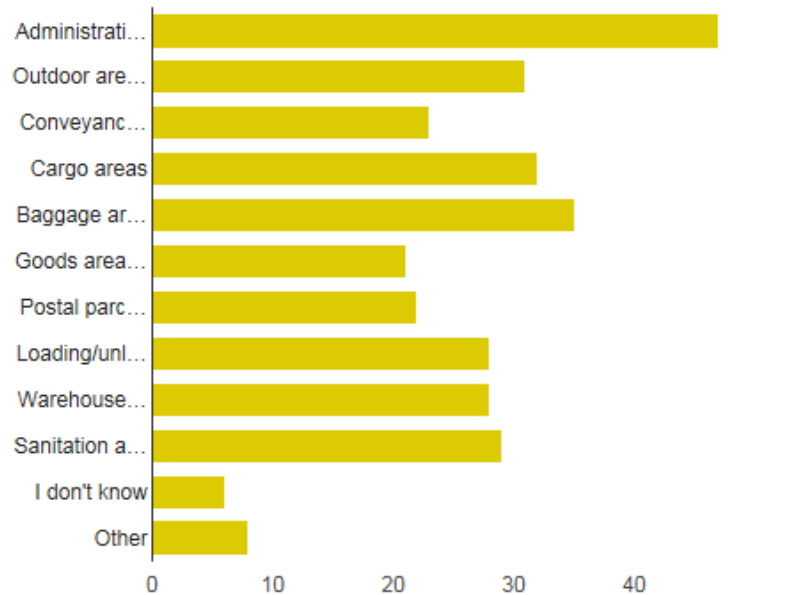
National Department of Health	26	41.3%
National Department of Transport	4	6.3%
Local municipality Health Department	14	22.2%
Non governmental - Managed by Private Contractor	3	4.8%
I don't know	9	14.3%
Other	7	11.1%

Level 2 Report

13. In what areas are vector control methods implemented ?

Administration buildings and public access areas (e.g. terminals)	47	74.6%
Outdoor areas - gardens, possible reservoirs, airport perimeter	31	49.2%
Conveyances operating withing the airport perimeter (e.g. bus, trains, etc)	23	36.5%
Cargo areas	32	50.8%
Baggage areas	35	55.6%
Goods areas including plants and animal holding areas (pets, livestock)	21	33.3%
Postal parcels area	22	34.9%
Loading/unloading areas	28	44.4%
Warehouses and containers	28	44.4%
Sanitation and drainage system	29	46%
I don't know	6	9.5%
Other	8	12.7%

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Aviation risk assessment & Decision Aid Model

- Tool to support the **assessment of residual risk** related to the spread of vectors at an arrival airport

- Methodology

  - The departure airport constitutes a **prevailing risk**, based on its environmental conditions & technical capacity in monitoring vector populations

  - Prevailing risk for vector spread at a departure airport is either **increased or decreased** through escalating or controlling components such as disinsection methods, operational behaviour of airport and operators and other elements

  - General aim is to obtain a residual risk score at the lowest acceptable level

Aviation risk assessment & Decision Aid Model

- If appropriate
  - either request the **departure airport and operator** to implement additional controlling measures or
  - introduce mitigation measures at the **arrival airport**.
- This tool will assist the arrival airport in the conduct of their risk assessment responsibility and provide a mechanism to demonstrate due diligence in the conduct of their risk assessment efforts

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Aviation risk assessment & Decision Aid Model

Part A – Prevailing risk and residual risk assessment

Conclusion

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

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