



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

ICAO CAPSCA IMPLEMENTATION

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Pre-pandemic tools



CAPSCA TECHNICAL ASSISTANCE VISIT



Objectives

- Promote and facilitate communication, coordination and collaboration between the civil aviation and public health sectors.
- Awareness training on ICAO and WHO Public Health Emergency (PHE) requirements for the aviation sector.
- Evaluate existing PHE provisions in the aviation system – gap analysis.
- Assist States by providing expert, technical advice.

CAPSCA arranges joint ICAO/WHO assistance visits to States and international airports, with a team of experts in aviation and public health to evaluate current capacity, identify areas which need strengthening, key priority actions and to facilitate learning for aviation and health professionals who are involved in public health event planning in the aviation sector.

The visit usually takes two days and undertake a gap analysis of national/local preparedness plans against the relevant ICAO SARPs, the WHO International Health Regulations (2005), and associated guidance material to ensure that harmonized and relevant policies, training and communication procedures are in place. A confidential report is provided that helps the State to develop and improve its preparedness plans.

The visit is arranged upon request and on a cost-recovery basis. To date, approximately 20 Assistance Visits have been undertaken globally.

All States and international airports are invited to request an assistance visit to make sure that their preparedness level is up-to-date to manage public health events in aviation especially in view of the fact that disease outbreaks are occurring more often and spreading more faster, imposing significant costs on human life and the global economy.

www.icao.int/capscs

Assistance Visit Scope

- PHE planning & preparedness in the civil aviation system
- All stakeholders involved in a response to a PHE in the aviation system
- Not an audit nor certification
- Voluntary and confidential



Airport Visit Methodology

Visit shall not affect normal airport operations

The visit should demonstrate preparedness for management of a PHE

Scenario: Public health risk, national, on board an aircraft or in the vicinity of the airport

Walkthrough observations and interviews

Recommendations for improvements

Assistance Visit Activities

- 2 days
 - Day 1
 - Meeting/Briefings
 - Day 2 - am
 - Airport visit
 - Exercise demonstration (optional)
 - Day 2 - pm
 - De-briefing meeting to discuss the visit result



Historical flight data origin airports

Airports in DRC

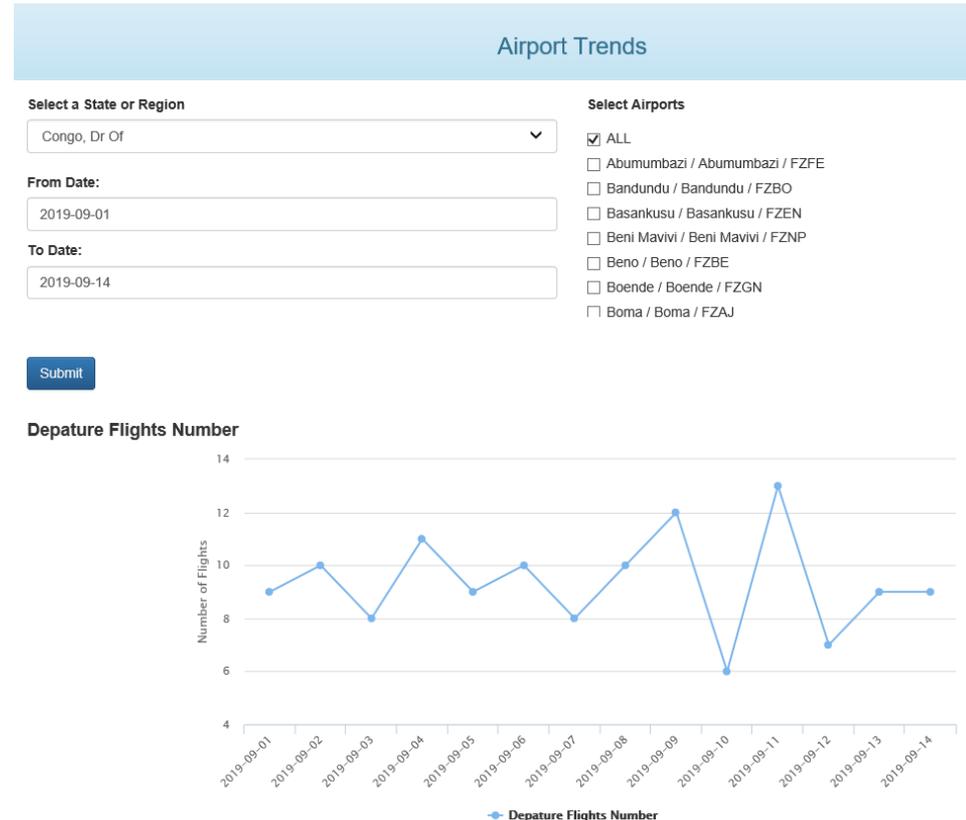
No of departing passengers
Year 2018

Same breakdown for destination
airports and passenger transfers

Airport	Airport name	Domestic pax	Intl pax	Total pax	Total %
FIH	Ndjili - Kinshasa	250,478	298,672	549,150	49.8%
FBM	Lubumbashi	119,760	85,496	205,256	18.6%
GOM	Goma	110,306	16,431	126,737	11.5%
MJM	Mbuji Mayi	43,992	7,977	51,969	4.7%
FKI	Bangoka - Kisangani	40,215	1,058	41,273	3.7%
KND	Kindu	26,862	-	26,862	2.4%
KGA	Kananga	17,189	-	17,189	1.6%
FMI	Kalemie	15,560	-	15,560	1.4%
BKY	Bukavu Kavumu	15,114	-	15,114	1.4%
BUX	Bunia	14,608	-	14,608	1.3%
MDK	Mbandaka	14,249	-	14,249	1.3%
GMA	Gemena	12,109	-	12,109	1.1%
BNC	Beni	6,915	-	6,915	0.6%
IRP	Matari	3,593	-	3,593	0.3%
LJA	Lodja	2,385	-	2,385	0.2%
KWZ	Kolwezi	261	-	261	0.0%
BMB	Bumbar	224	-	224	0.0%
LIQ	Lisala	172	-	172	0.0%

Real-time flight data and NOTAMS

- Select the State, the airport and time period
- Provides number of international departures, destination countries and destination airports
- Can compare trends



Airport vector control

- Spraying, trapping etc. of insects or animals
- Vector free area within 400 meters of airport perimeter
- ICAO vector control register

Tutorial
Request credential verification and access to register an airport

Map

Satellite



Map data ©2019 [Terms of Use](#)

Show entries Search:

Airport Code	Name/City	Country	Register Entry Created
CYYZ	Lester B Pearson Intl - Toronto	Canada	9/22/2016 8:52:50
DNBE	Benin - Benin	Nigeria	10/10/2016 16:08:02

Aviation decision making tool

Scientifically based risk assessment model for aircraft disinsection

- Vector distribution maps
- Pathogen epidemiology and transmission
- Airport vector control measures
- Aircraft routes and disinsection methods

Vector:

Month:

Region:

Departure Airport:

Arrival Airport:

Airline:

Submit

Pandemic tools

CAPSCA WEBSITE

<https://www.icao.int/safety/CAPSCA/Pages/default.aspx>

- Comprehensive –all inclusive website
- Coronavirus (COVID-19) References
- Scientific Evidence Documents
- CASAG Reports (COVID-19 Aviation Scientific Advisory Group)
- Scientific Evidence Documents (Doc 10152 References)
- Vaccination Report
- Travel Testing Reports
- General Guidance
- Reporting Systems and Tools
- Public Health Corridor (PHC) Implementation
- Risk Management
- Risk Mitigation
- Testing
- Quarantine
- Contact Tracing
- Waste Management
- Face Coverings, Medical Masks and other PPE
- Airport
- Aircraft
- Air Crew
- Passengers
- Cargo
- Air Navigation Service Providers
- Other Organizations

Public Health Corridor Application (PHC App)

[https://www.icao.int/safety/CAPSCA/Pages/Public-Health-Corridor-\(PHC\)-Implementation-.aspx](https://www.icao.int/safety/CAPSCA/Pages/Public-Health-Corridor-(PHC)-Implementation-.aspx)

- Online tool to facilitate the conclusion of PHC between States (bilateral/multilateral)
- On the CRRIC Website
- Contains:
 - PHC Arrangement template (suggested best practices for provisions to be included)
 - Appendix A: Scope of the PHC (flights, capacity, etc.)
 - Appendix B: Disease Translocator Risk Level (traffic light categorization)
 - Appendix C: Measures of a mutually agreed Multi-layer Risk Management Strategy
- Highly-customizable; generates arrangement for print or further editing

Select a State or Region:

APAC

Add State(s)

[Clear all](#)

Public Health Corridor

Partner List:

General Provisions

Background

In response to the criticality of the COVID-19 pandemic, the Government/Administration of [State A] and the Government/Administration of [State B] (hereinafter, "the Parties") have agreed to establish a Public Health Corridor (herein referred to as "PHC") outlining a framework of commonly agreed measures for safe air travel between the Parties.

[Read more/less](#)

Appendix A - Routes

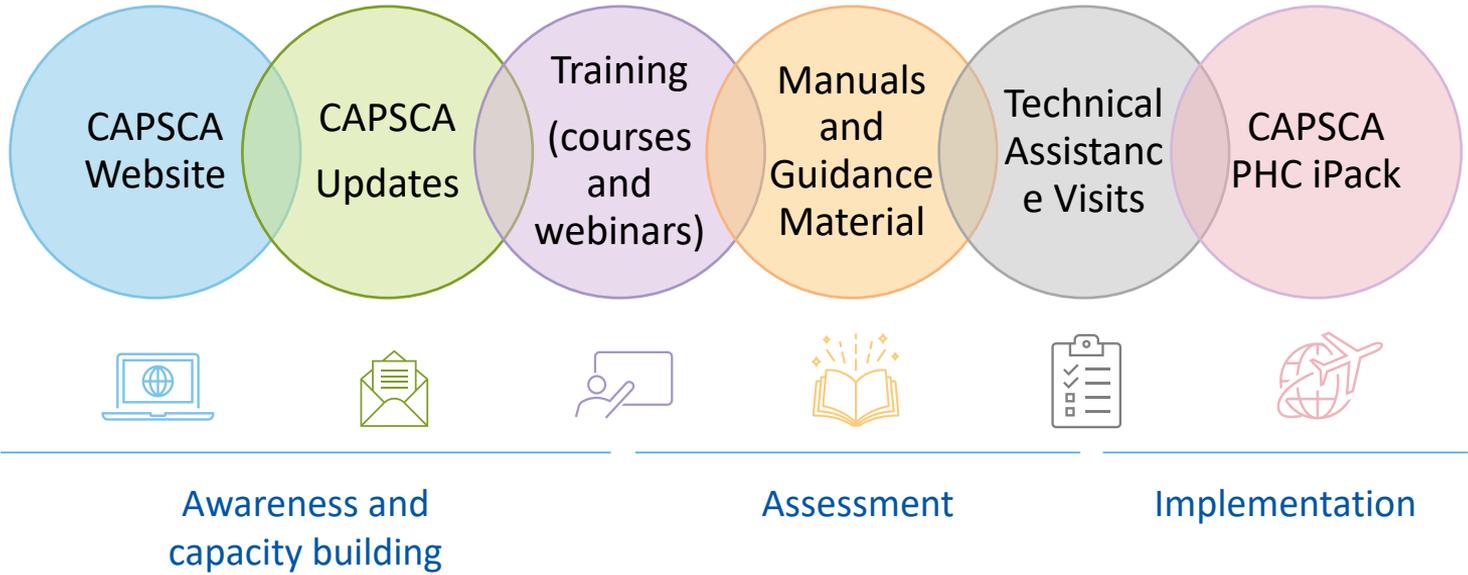
In order to start your arrangement, please input the operators and airport information in order to identify the routes to be established.

This arrangement is applicable to the following operators and routes as applicable.

Operator Name and code	From Airport Name and Code	To Airport Name and Code	Weekly passenger capacity
<input type="text" value="Any"/>	<input type="text" value="Any"/>	<input type="text" value="Any"/>	<input type="text" value="Any"/>
<input type="button" value="Add"/>			

Post-pandemic tools

Current CAPSCA Products





CAPSCA Website
www.capsca.org

A single point of reference for robust content on prevention, preparedness, response and management of public health events (PHEs) in civil aviation:

- Global and regional networks
- Different PHEs that affect civil aviation
- International SARPs
- Evidence-based guidance and recommendations
- CAPSCA products and tools
- Content from UN organizations, aviation organizations and aviation associations
- CAPSCA Events calendar



CAPSCA
E-mail Updates
capzca@icao.int

Sharing the latest information on:

- Outbreaks and other public health events of international concern
- Industry developments
- New guidance material
- From ICAO, CAPSCA, WHO and all relevant stakeholders

Outreach to all CAPSCA Members, partners and collaborators (public health authorities, civil aviation authorities, manufacturers, air operators, aviation medicine community, UN organizations, and subject matter experts).



Training
www.capsca.org

Courses, workshops and webinars:

- CAPSCA Technical Assistance Visit course (English)
- Public Health Corridor Concept course (English)
- Ad-hoc webinars

Objectives:

- Transferring advice and technical knowledge into action on the ground
- Building skills and competencies of stakeholders involved in PHEs in aviation
- An effective operational response activity



Manuals and
Guidance Material

www.capsca.org

ICAO (public health-related):

- SARPs, CART guidance, Assembly resolutions, statements, relevant State Letters and Electronic Bulletins
- Checklists and templates
- Doc 10152 (COVID-19 Cross-Border Risk Management)
- CAPSCA Working Groups' reports and recommendations

WHO:

- International Health Regulations
- Guidance and reports relevant to civil aviation and travel

Civil aviation organizations and civil aviation associations:

- Studies, reports, guidance and recommendations



Technical Assistance Visits

www.capsca.org

Joint ICAO - Public Health technical assessment visit:

- Preparedness assessment and evaluation report
- Participation of all stakeholders involved in a response to a public health event in the civil aviation system
- PHE planning and preparedness in the civil aviation system
- Practical demonstrations
- Recommended action plan
- Not an audit nor a certification
- Voluntary and confidential
- On-site, virtual or hybrid
- On a cost-recovery basis



CAPSCA PHC iPack
www.capsca.org

Ensure air travel continuity:

- Gap analysis of the implementation of COVID-19 public health mitigation measures, and an action plan for further improvement based on ICAO SARPs, CART recommendations, CAPSCA, and associated guidance material.
- Decision-making tools to determine the risk of transporting potentially infectious passengers or importing/translocating the virus between States
- Mitigate the infection risk by implementing a multi-layer risk management strategy
- Share public health risk mitigation measures and best practices with other States to encourage harmonization
- Engage in bilateral or multilateral discussions with other states to establish public health corridors

Will be adapted to different communicable diseases and types of PHEs.

5 WORKING GROUPS

- PREPARE
- INNOVATE
- PATIENT
- MANUAL
- IMPLEMENT WG

SCOPE:

The IMPLEMENT-WG will review the CAPSCA training material and CAPSCA checklists as well as consider the lessons learned from States that have implemented the PHC iPack. It will subsequently provide advice regarding updates of CAPSCA training material and cost-effective ways to ensure implementation of the public health related ICAO SARPs and WHO IHR. This work will be conducted in three consecutive phases.

IMPLEMENT WG

- **Deliverables Phase 1**
- **1. Updated CAPSCA checklists for conducting Assistance Visits**
- **2. Summary report of training provided by WHO that could be included in the newly developed CAPSCA Implementation Manual or the CAPSCA Technical Advisor Course**
- **3. Report on inclusion of applicable ICAO training material, including the iPack material, in a newly developed CAPSCA Implementation Manual or the CAPSCA Technical Advisor Course**
- **4. Report on material that needs to be updated in the JAATO CAPSCA Technical Advisor Course.**

IMPLEMENT WG

- **Deliverables Phase 2**
 - **1. Development of short priority courses to assist States with implementation.**
 - **2. Development of procedures to assist States with implementation by conducting virtual and on-site Assistance Visits.**
 - **3. Development of a framework for the proposed ICAO CAPSCA Implementation Manual.**
- **Deliverables Phase 3**
 - **1. Develop guidance material for inclusion in ICAO CAPSCA Implementation Manual.**
 - **2. Participation in the review of the JAATO CAPSCA Technical Advisor Course.**

Guidance

As before
+ CAPSCA Manual
+ Customizable
templates
+ digital technology
+ innovations

Training

As before
+ enhanced capacity
building based on
lessons learned
from PHC iPack

Assistance visits

As before
+ more trained and
experienced SMEs
+ virtual assessment
+ focus AVs



Thank You