Biosecurity for Air Transport
A roadmap to restarting aviation
v.2
Challenge

To restart aviation, protecting health and safety ensuring it is not a meaningful vector for the spread of COVID-19 and to restore public confidence in air travel.

This means temporary and significant change for how we travel.
Goal

To restore air connectivity and to do it with an internationally-consistent, mutually-accepted, and harmonized way.

Success will depend on government and industry collaboration.
A matter of urgency

Aviation:

- Drives economies ($2.7 trillion of GDP)
- Creates employment (65.5 million jobs)
- Enables trade (delivering 35% of goods by value)
- Facilitates healthcare and emergency aid
- Connects people, businesses and economies

Aviation will be a vital driver of the world's economic recovery
Roadmap logic

A layered approach of **outcome-based** measures, supported by **scientific evidence**

**Risks that need to be mitigated** → **Best solutions to do this**

There is no single, prescriptive solution
Guiding principles

1. Measures should be introduced as far upstream as possible in the travel process
   a. to minimize risk of contagion in the airport environment
   b. ensure that passengers arrive at the airport ready to travel

2. Collaboration between governments and industry is vital — a single roadmap of measures should be adopted globally

3. Measures should only last for as long as required with a clear exit strategy

4. Existing roles and responsibilities of governments, airlines and airports should remain the same
The passenger experience:
Temporary biosecurity measures

8 May 2020
Temporary multi-layered biosecurity measures to protect health and safety, and ensure that air travel is not a meaningful vector for the spread of COVID-19.
Pre-flight

Collecting more **detailed passenger contact information in advance of travel** for contact tracing purposes

- In electronic form
- Through government internet portals for ease of data capture on a variety of devices
Check-in

• More passenger processes to be **done in advance from home**
  • Bag tags
  • Boarding pass
  • Personal data entry
Departure airport

- Terminal access minimized
- Temperature screening at entry points
- Physical distancing, aligned with local rules
- Masks or PPE for passengers and staff
- Touchpoint sanitization

When proven: COVID-19 testing / electronic Immunity Passports could replace some measures
Airport processes

• Processes that must take place at the airport should be self-service, touchless and biometric as much as possible

• Airlines to promote self-bag drop to minimize passenger & staff interactions
Boarding

• **More orderly** to ensure social distancing

• Airports and governments will need to help **facilitate the boarding process**

• More **self-scanning and biometrics** to minimize interactions

• Carry-on baggage should be limited to enable a smooth boarding process

8 May 2020
Inflight

Seat orientation, masks, vertical cabin air flow, and the use of HEPA air filters may explain why transmission on board appears to be very low

- Comprehensive guidance on cabin cleaning and crew operations is already published
- Face coverings/masks and freely available sanitizing wipes should be used
Arrival Airport

- **Temperature screening** and *trained staff* on arrival
- **Faster baggage claim process:**
  - maximizing all available baggage belts
  - minimizing contact and maintaining social distancing during inspections
Border & Customs

- Electronic declarations with mobile devices
- Simplified control formalities to enable *contactless options*
- Immigration halls optimized for social distancing
In transit

• Security and health screening should avoid redundant checks by taking advantage of “one-stop-security” arrangements
  • mutual recognition of screening measures taken at the originating airport

If checks are required, departure process recommendations on social distancing and sanitary requirements should be followed
Temporary multi-layered biosecurity measures to protect health and safety, and ensure that air travel is not a meaningful vector for the spread of COVID-19.
Conclusion

No single measure today can mitigate all the biosecurity risks of travel.

This range of measures will provide a layered solution in the immediate term:

- They are achievable
- They already exist

When proven and available, additional measures like COVID-19 testing and electronic immunity passports can be incorporated.