IATA Travel Pass

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Re-opening borders safely

**Issue**
Governments need to be confident that they are mitigating the risk of importing COVID-19 to re-open borders without quarantine and restart aviation.

**Solution**
Testing has been proven to be the safest and most effective method to achieve this. And passengers are willing to get tested to travel.

**Confidence**
But both passengers and governments need to have confidence in each passenger's verified COVID-19 status.
The challenges

<table>
<thead>
<tr>
<th>Role</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Passengers</td>
<td>Need accurate information on test requirements, where they can get tested or vaccinated, and the means to securely convey test information to airlines and border authorities</td>
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<tr>
<td>Airlines</td>
<td>Need to have the ability to provide accurate information to their passengers on test requirements and verify that a passenger meets the requirements for travel</td>
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<tr>
<td>Governments</td>
<td>Need to be able to verify the authenticity of tests and the identity of those presenting the test certificates</td>
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<tr>
<td>Laboratories</td>
<td>Need to be able to issue certificates that will recognized by governments</td>
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To address these challenges IATA is launching: 

Travel Pass

...a combination of four modules that are interoperable and open access
IATA Travel Pass
Developed for everyone

Registry of Health Requirements
powered by Timatic

• Enables passengers to find accurate information on travel, testing (and eventually vaccine) requirements for their journey

Registry of testing / vaccination centers

• Enables passengers to find testing centres and labs at their departure location which meet the standards for testing/vaccination requirements of their destination

Lab App

• Enables authorized labs and test centers to securely send test results or vaccination certificates to passengers

Contactless Travel App

• Enables passengers to (1) create a ‘digital passport’, (2) verify their test/vaccination meets the regulations & (3) shares test or vaccination certificates with authorities to facilitate travel.
• Can be used by travelers to manage travel documentation digitally and seamlessly throughout the travel experience.

Registry of testing / vaccination centers

• Global registry of approved labs and centers for testing and vaccination verified by IATA
• Provides passengers the details of lab locations and test types available

Lab App

• Identify lab apps that enable labs to share test results / vaccination in a verifiable manner
• Binds test result to passenger identity
• Recognizable by all in aviation industry
• Aligned with CAPSCA standards under development.

Contactless Travel App (existing IATA solution)

• Enables passengers to create ‘digital passport’
• Passenger can receive test / vaccination certificate
• “OK to Travel” verification that test / vaccination are sufficient for their itinerary
• Passenger shares identity and test / vaccine certificate with airlines & authorities
How the modules combine as an integrated service

Step 1 – getting proof of test/vaccination

Contactless Travel App
- At the center of IATA Travel Pass is the Contactless Travel App which enables passengers to
  - Create a digital version of their passport
  - Receive their test/vaccination results and verify that they meet the regulations for their itinerary
  - Share their results with airlines and governments
- Let’s look at each step in more detail

Lab App
- When the passenger arrives for their test, the prove their identify by showing the electronic version of their passport on the Contactless Travel app
- The Lab/test agent then clicks a button which generates a QR code which the passenger scans using the Contactless Travel app. This links the test with the passengers Contactless Travel app
- When the test/vaccine results are available, they are sent direct to the passengers Contactless Travel wallet with the click of a button
- The link to the Contactless Travel app will be based on open interfaces meaning larger labs can integrate their systems directly into the IATA ecosystem
How the modules combine as an integrated service

Step 2 – verifying test/vaccination is valid for the itinerary

Timatic AutoCheck

- The passenger now has their verified identity and verified test/vaccine results on their phone
- The next step is to verify that the test results meet the regulations for their destination
- This is achieved by an automatic check using Timatic AutoCheck which verifies the test/vaccine is sufficient for the passengers itinerary
- One this has been verified, the passenger is issued with an "OK to Travel" status for the particular itinerary, along with any other regulations they must comply with such as submission of contact tracing information
How the modules combine as an integrated service

Step 3 – sharing proof of test/vaccination with airline/government

Sharing with airlines and governments:

- The passenger now has:
  - Verified identity
  - Verified test results
  - “Ok to Travel” status
- The Contactless Travel App prompts the passenger to share these elements with the airlines and government
- The passenger will be informed of which data is required by each party and what it will be used for
- Passenger data is only sent from the Contactless Travel App when the passenger clicks on “Share”
- The data is sent directly from the phone to the airline or government as a verifiable credential
- Where the airline or government cannot receive the data electronically, instead the passenger can choose to share the “OK to Travel” status with the relevant agent. This status will include both the itinerary and test/vaccine details
How the modules combine as an integrated service

Overview

Lab App
- Interoperable with other solutions
- Based on standards
- Integration with laboratories systems

Lab Registry

Contactless Travel
- Passenger identification
- Test certificate and details

Timatic AutoCheck
- Rules engine + Validity check
- Test type
- Timing of test
- Testing organization

Passenger shares "OK to travel" status
1. Verifiable Credential
2. On screen
3. QR code

Test/vaccine certificate sufficient based on passenger itinerary
"OK to travel"

Airline

Border control

Here is an overview of the entire ecosystem

Time for questions
High level data privacy and security

‘Decentralized Technology’ means there is no central database holding passenger information

<table>
<thead>
<tr>
<th>Rights</th>
<th>Compliance</th>
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<tbody>
<tr>
<td>Passengers have the sole right share to their data</td>
<td>Country regulations on access to passengers’ data will be respected (eg France &amp; Germany)</td>
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<tr>
<td>Users can delete their data anytime on their app</td>
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Passenger Rights
- Compliance to data privacy regulations (e.g. GDPR, HIPAA)

Best Practice
- Only required data elements are shared – passenger informed of these elements
- Data exchanges are always encrypted
- Digital Identity Credential is only ever exchanged using Decentralized Identity W3C standards

Compliance
- Each partner’s data use, deletion policy and data query methodology easily accessible by the user
- Log of data shared is saved on the app and can be easily accessible by the user
IATA Travel Pass principles

Modular and interoperable with:
- Other COVID-19 solutions
- Existing airline and industry solutions

Based on standards:
- ICAO DTC
- W3C – Digital Comms
- One ID initiative

Solution for everyone:
- IATA is a trusted industry body
- Industry expertise
- Favors a collective solution

The solutions are being developed following the DTACT Principles:

Interoperable
Based on open standards
Offering a solution for everyone
At low costs
Benefits of IATA Travel Pass?

- **Universal**: built to meet passenger, government and airline needs
- **Proven**: based on existing IATA solutions
- **Modular**: airlines can choose modules supporting their strategy
- **Trust Framework**: partner for mutual benefit
- **Decentralized** technology: no central passenger database
- **Interoperable**: open standards and open networks
- **Sustainable**: additional data-sets required for travel can be easily integrated into app
IATA will be piloting the solution with IAG next month
IATA Travel Pass

Questions