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Aruba Happy Flow; the first biometric *single token* solution

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Antigua & Barbuda ICAO TRIP Regional Seminar





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What is a Single Token ?

A draft definition:

A Single Token is a means by which a passenger can repeatedly identify himself in a uniform manner throughout the steps of the airport process. It can be used (and reused) after the passenger has first identified himself with his e-passport and the identity has been authenticated and biometrically verified.

The token is used in place of a passport to prove that the passenger is who he claims to be. The token may store a person's identity or the output of encrypted biometric and biographic data. A single token may also be a passenger's biometrics capture.



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Check-in



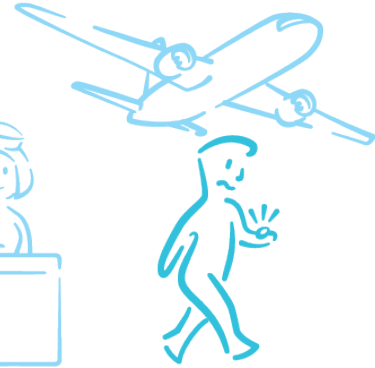
Bag Drop



Immigration



Boarding



fly



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The Aruba Happy Flow project is the result of a next level public private cooperation





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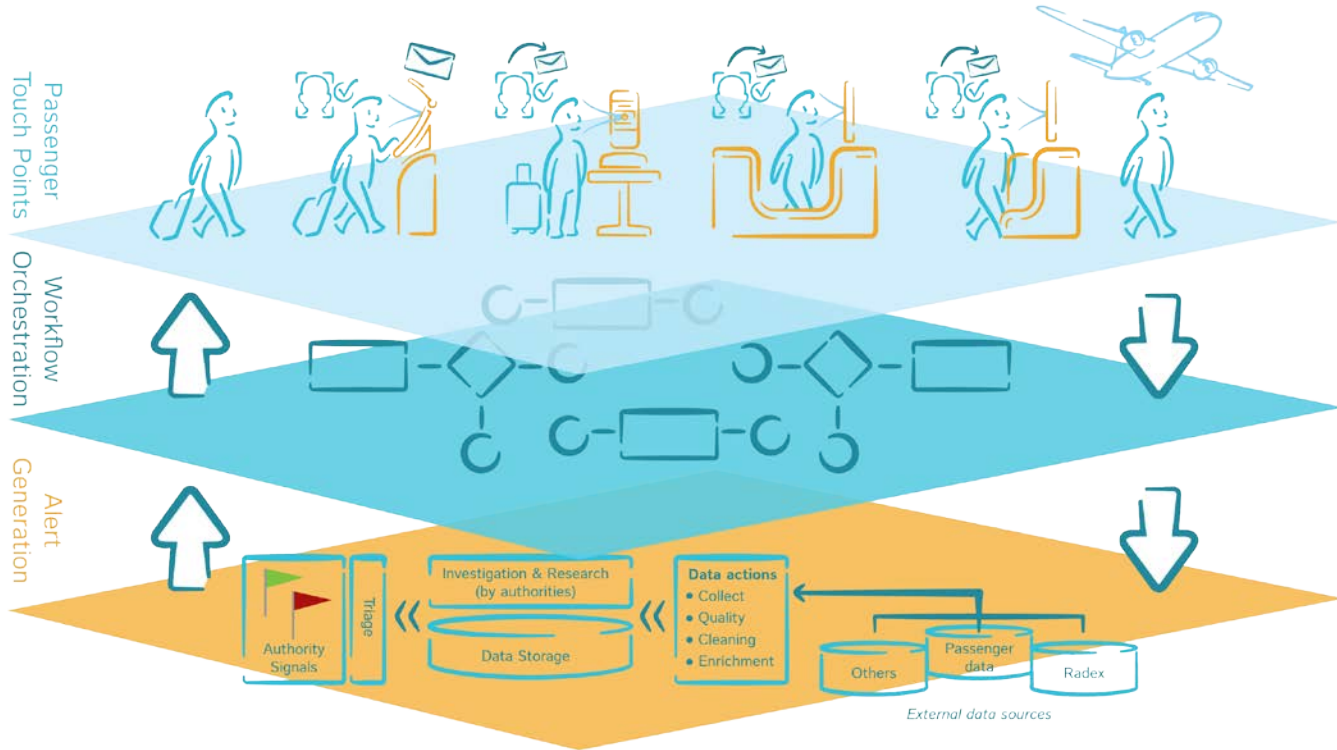
Boarding



fly!



The Aruba Happy Flow concept





- Multi stakeholder cooperation by working on shared goals
- One reliable ID check, improving security end-to-end
- Radically simplifying the passenger facilitation process through the reuse of a biometric token
- Real time information based workflow management sharing relevant data with stakeholders according to Privacy by Design principle
- A smart two step border control; identify passenger at check in before crossing the actual border
- Improving security through intelligent data services for risk based assessment



The privacy by design principle:

- Information between stakeholders only on a *need to know* and *allowed to know* basis
- Privacy and data protection legal compliance from the start of the project
- Prevent function creep; only use functionalities for which they are meant
- Determine data processor and data controller
- In the European Union, Privacy by Design will become mandatory with the introduction of the General Data Protection Regulation in 2018.



How to organise a single token seamless flow between public and private stakeholders at airports:

Three prerequisites:

- * Legal
- * Governance
- * Shared IT-Infrastructure



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Whats' next:

- Defining and standardizing Single Token/One Identity with all stakeholders at international level; governments and industry
- Blockchain technology looks set to change identity management beyond civil aviation and in to all aspects of life
- Many initiatives/projects: IATA One Identity, Mobile Identity, FinTech



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