



Aviation Security 2.0

Design Thinking Approach to Blue Skies Aviation

Matthew Vaughan
Director Aviation Security and Cyber
IATA



AVSEC
GLOBAL

3 - 5 October 2021

Risks, Disruptors, Agents of Change

Health, Climate Change, Urban Air Mobility (UAM)



Design Thinking

Divergent, Emotional, Empathetic



What is Design Thinking?



Empathise, Define, Ideate, Prototype, and Test

The innovation of ideas, products, services and processes within varying business and social contexts



How do we improve...



In the 1950s it typically took 67 seconds to conduct a pit-stop

In the 1960s they were avoided wherever possible – they were not considered part of a winning strategy

Today an F1 team can change all 4 wheels in under 2 seconds... and cannot win a race without one!

How far has security moved...



In many locations we still have:

- Single View x-rays
- Archway Metal Detectors
- Discard Trays
- Hand Held Metal Detectors
- Pat downs
- Visual Identity Checks

How do we transition from 67 seconds to 2 seconds?

Where might it be useful?



Environmental Security?

Identify and Mitigate Environmental Threats
From Covid to Eco Protestors



Security as an Enabler?

When, Where, How and Why does security 'help'
How do we move the security needle



The next 'big thing'?

E.g. Urban aviation – what / where is it taking us
Threat or Opportunity

Are we thinking like a customer?

Who are the customers?

What do they want

v

What do they need

(and how do we provide it?)

- Passengers – security for the individual
- Industry
- Governments



What next...?

- You can help us to decide...
 - 2 x 75-minute Red Team events
 - Blue Skies in Brussels / 2022
- Join the debate – help to influence and steer all our tomorrows





aviationsecurity@iata.org

