



Beyond Preclearance: The Next Generation U.S.-Canada Border

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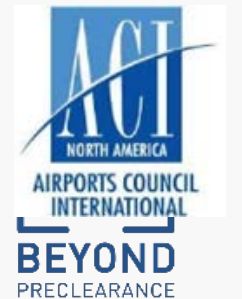
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Director, Government Relations, Vancouver Airport Authority

ACI-NA International
Affairs Seminar
December 6, 2018



BEYOND
PRECLEARANCE

COALITION PARTNERS



COALITION PARTNERS (cont'd)



EXECUTIVE COMMITTEE

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VICE CHAIRS: MATT CORNELIUS (ACI-NA) & JENNIFER FOX (NASCO)

SECRETARY TREASURER: LORRIE MCKEE (GTAA)

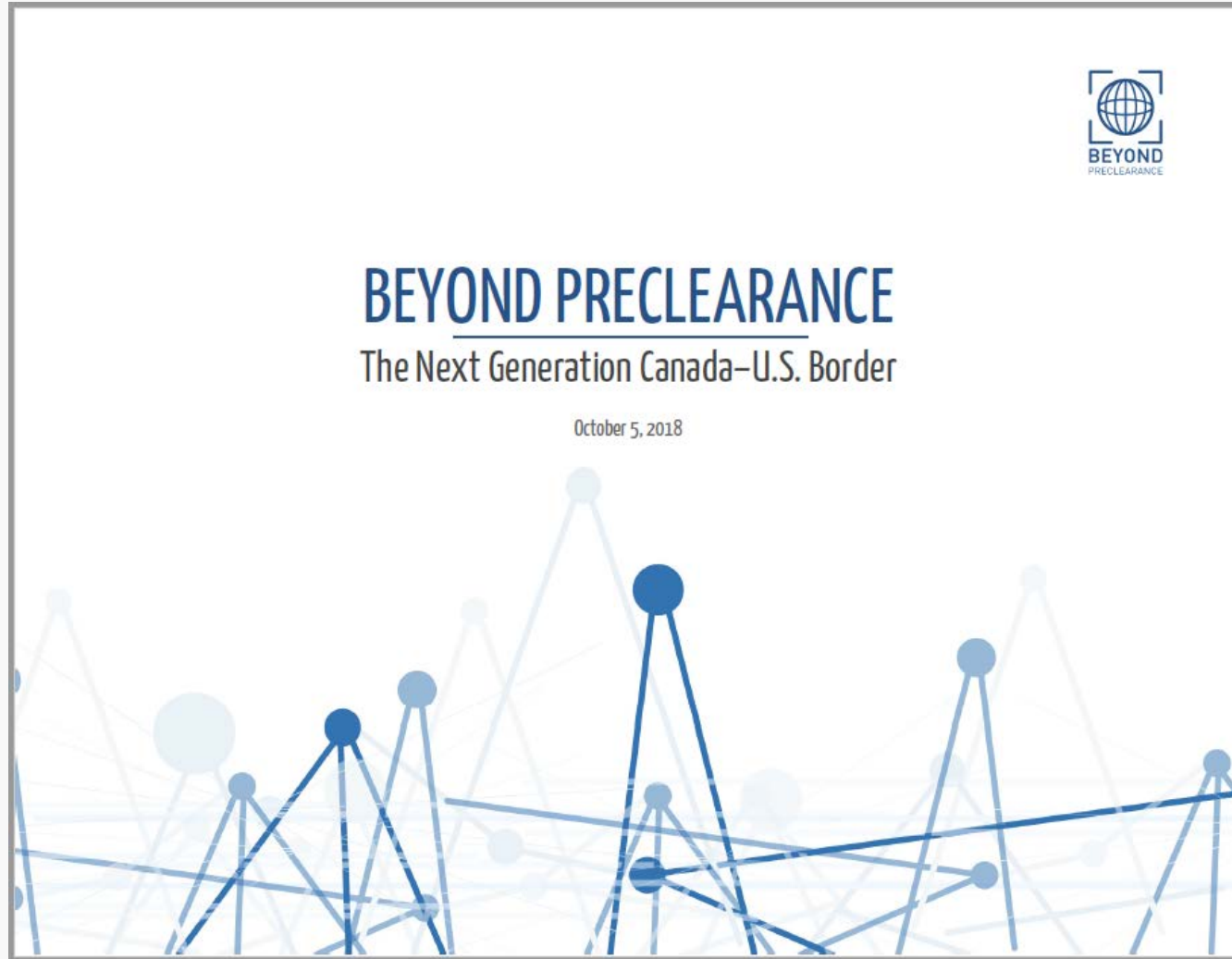
EXECUTIVE COMMITTEE MEMBERS:

JESS KETCHUM (ROCKY MOUNTAINEER)

MIKE MCNANEY (WESTJET)



ROUNDTABLES/FORUMS & WHITE PAPER





- New agreement to be implemented
- Opportunities for greater US-Canada collaboration for next generation models
- Eliminating re-screening a key victory, but longer-term vision needed

FAA AEROSPACE FORECAST

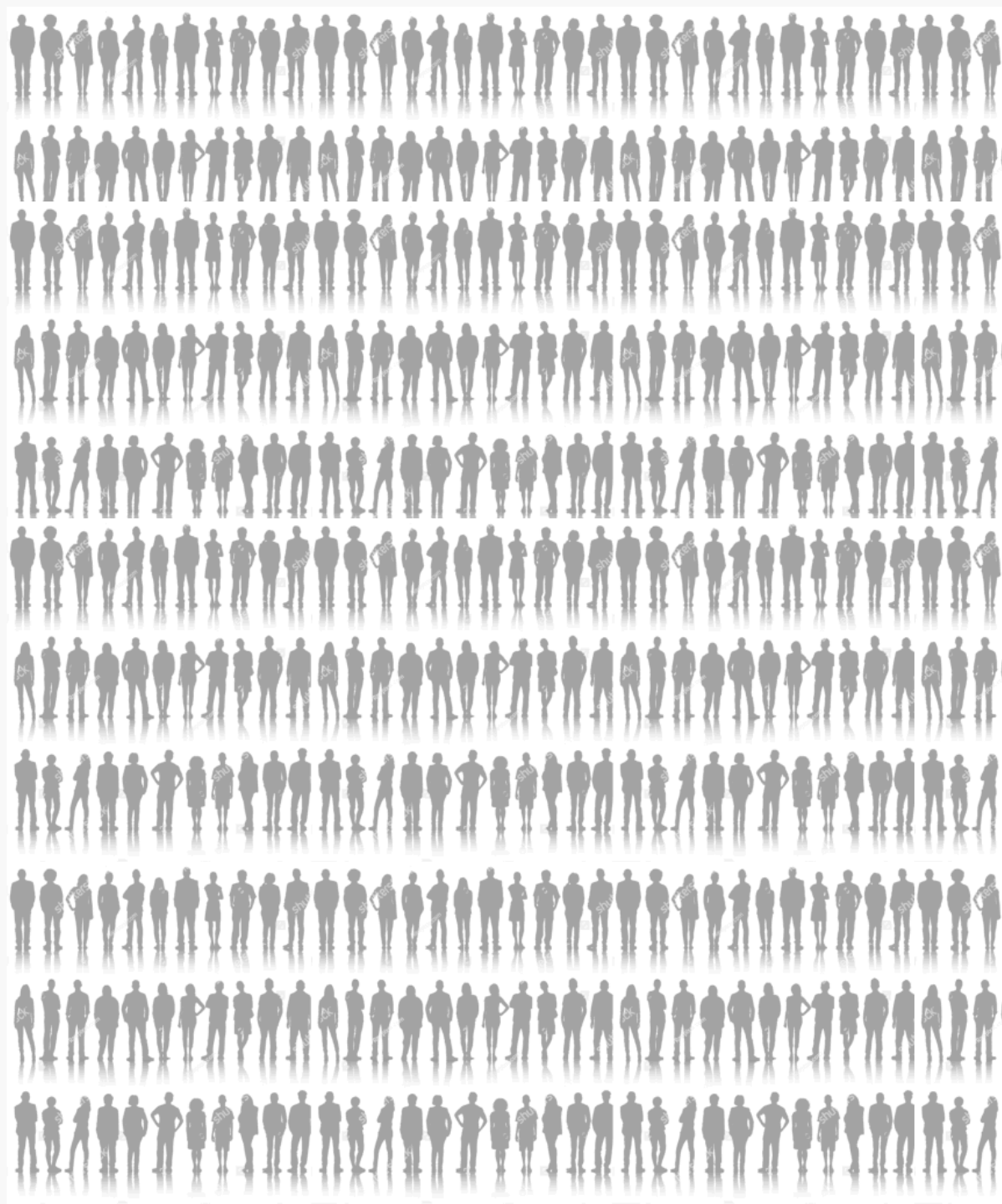
Fiscal Years 2018-2038



1
Context &
Vision

2
The
Opportunity

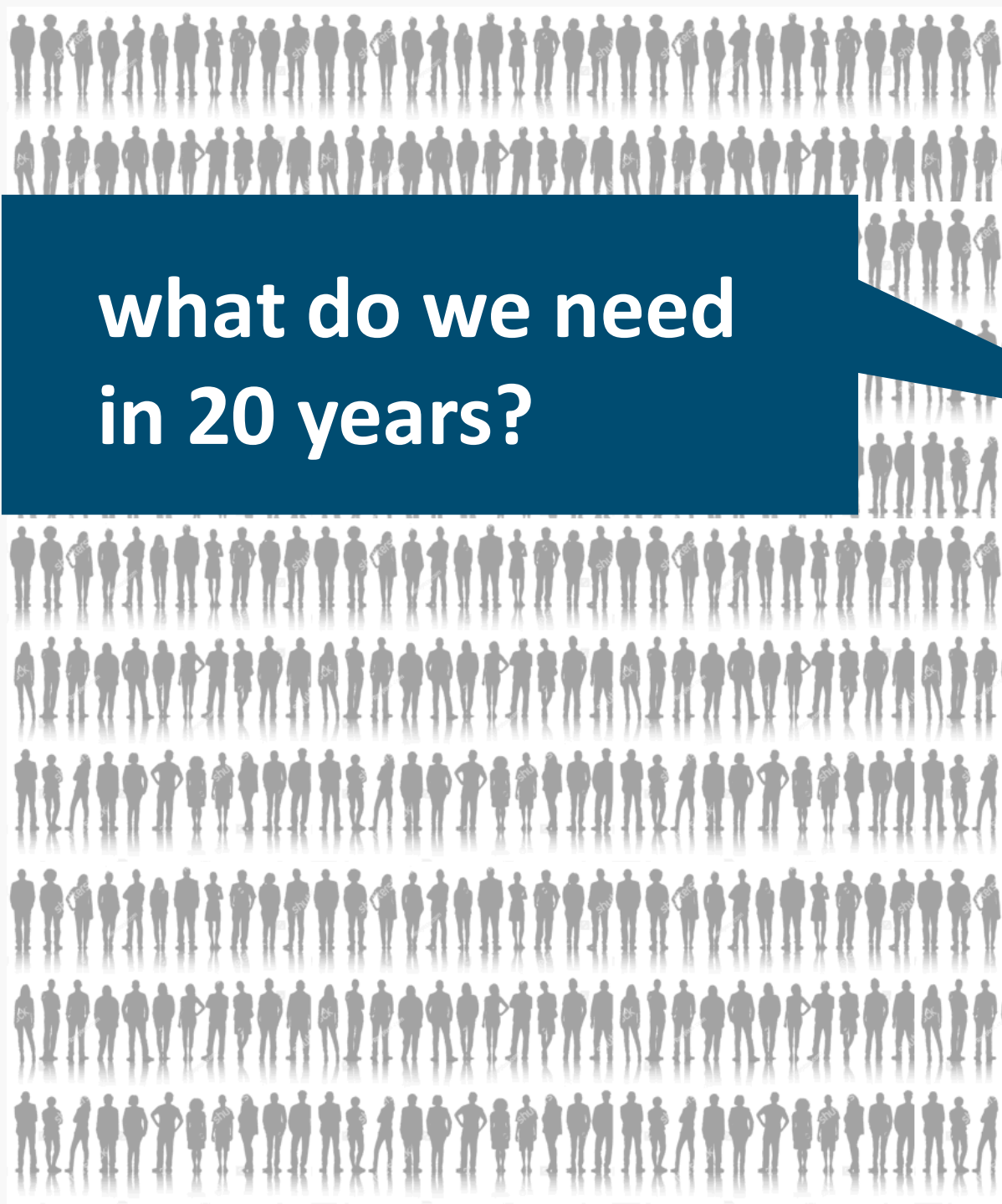
3
Implementing
The Vision



84,000

officers in 2018

processing people/goods
(TSA-CATSA-CBP-CBSA)

The background of the slide is a repeating pattern of white silhouettes of people of various heights and builds, standing on a reflective surface. This pattern covers the left side and top of the slide, while the right side is a solid green color.

**what do we need
in 20 years?**

84,000

officers in 2018

processing people/goods
(TSA-CATSA-CBP-CBSA)



**shortfall of
38,000 officers**

84,000

**Unless 38,000 new positions
in US/Canada are created,
we need effective
technology + process solutions**





460

million residents

2.5x

international
air forecasts

Opportunities

- Joint Ventures
- Transborder LCCs
- Self Connections
- USMCA Implementation

New Border Vision

 Predictable

 Secure

 Integrated



1
Context &
Vision

2
The
Opportunity

3
Implementing
The Vision

US-Canada Border Evolution

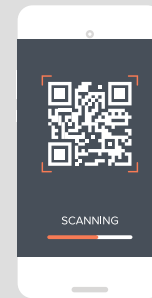
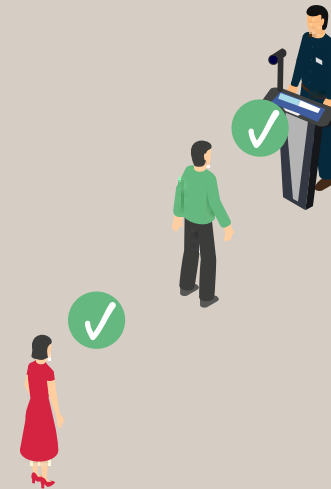
1971-
Primary Booths
(Canada & US)



2006/12-Present
Border Kiosks
(US & Canada)

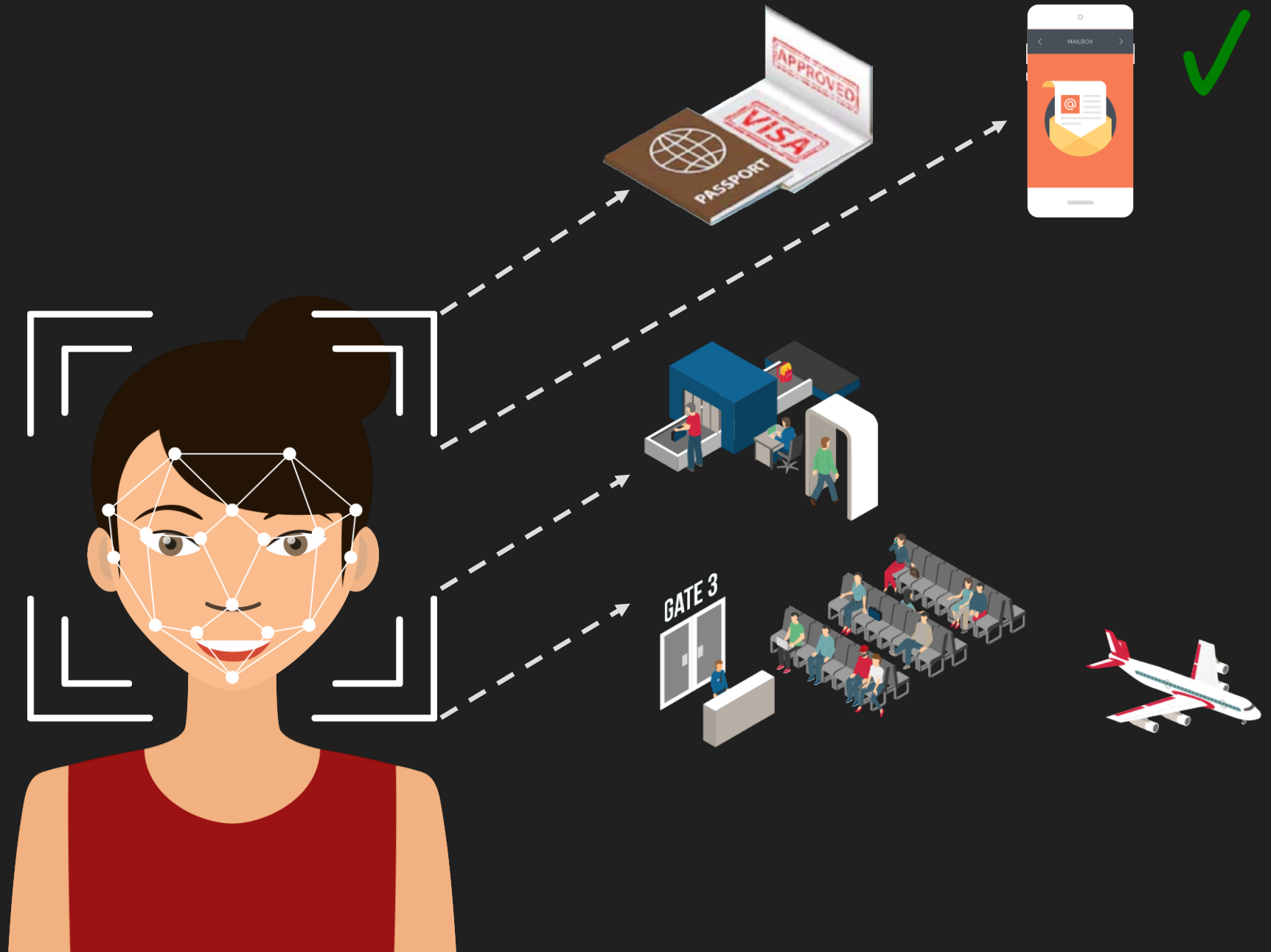


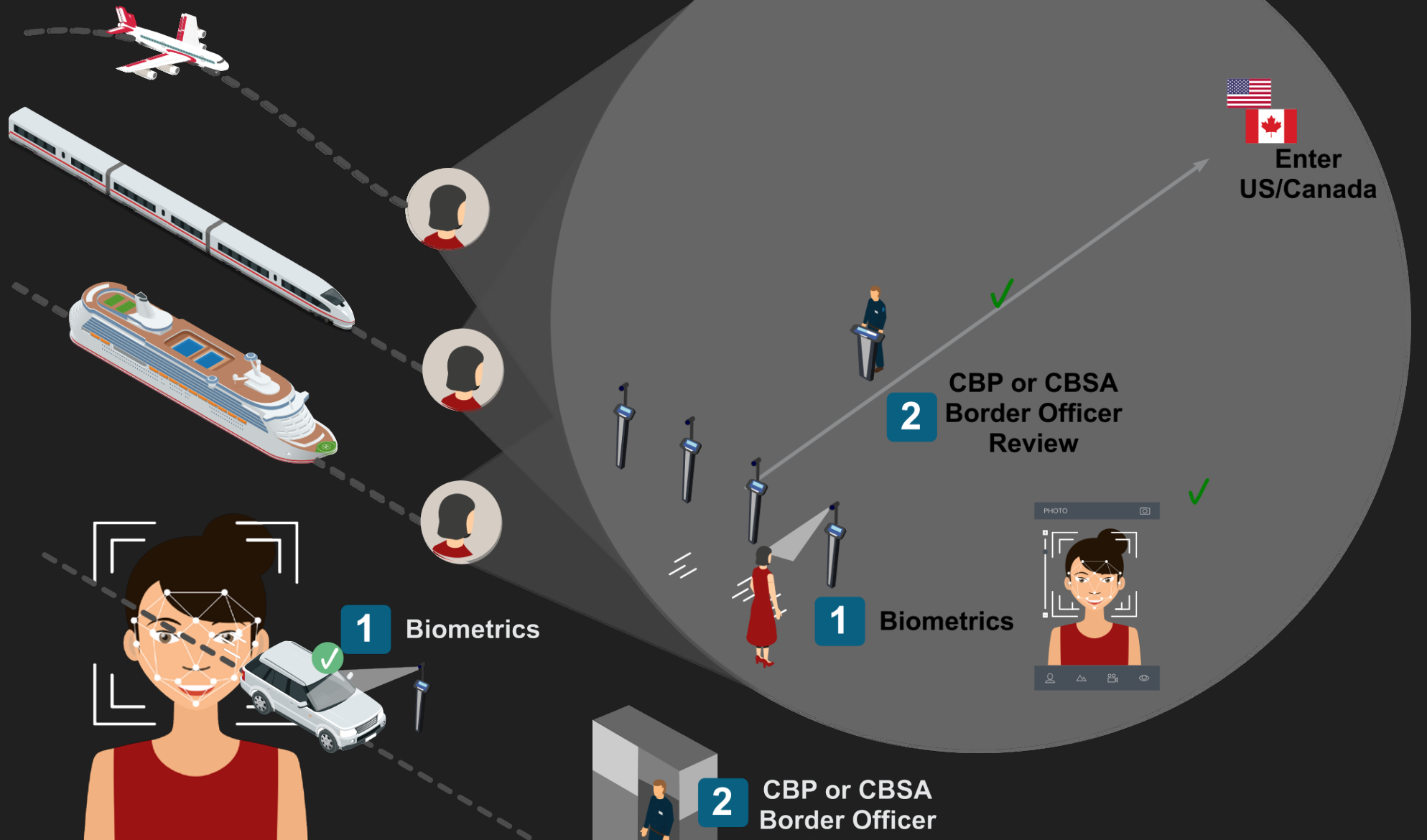
2018-
Biometrics



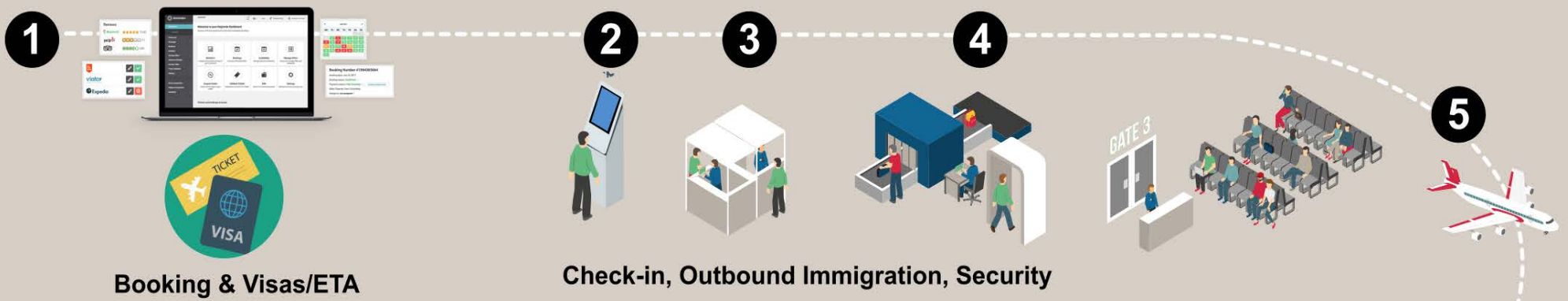
Mobile Apps
(US & Canada)





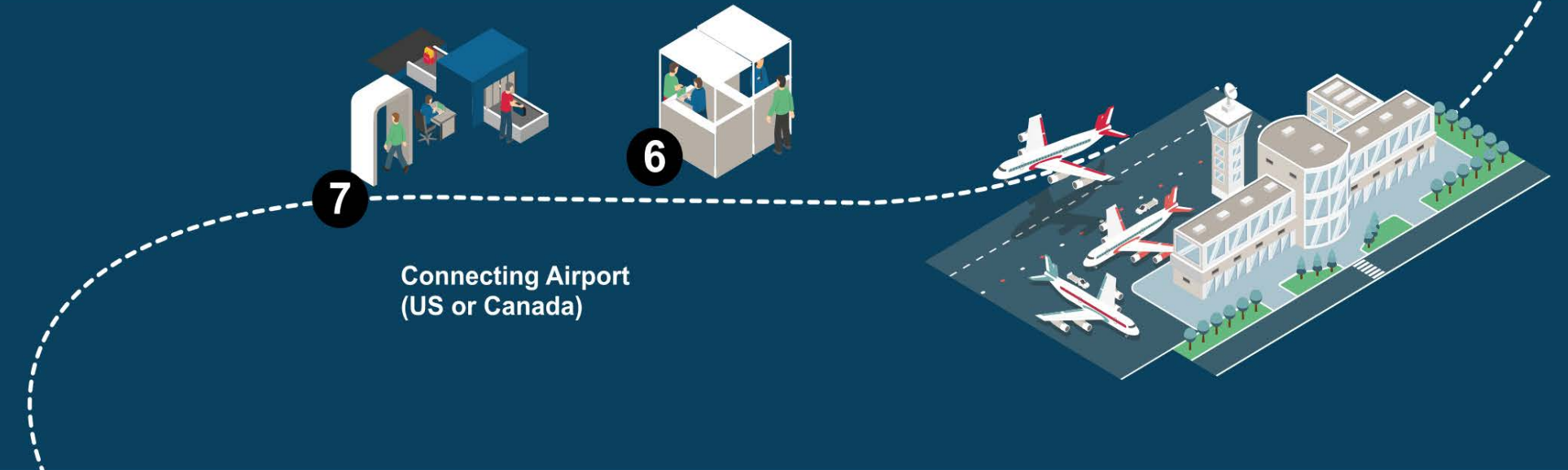


Connections TODAY



Booking & Visas/ETA

Check-in, Outbound Immigration, Security



Connecting Airport
(US or Canada)

Destination (e.g., South America)



Future Connections VISION



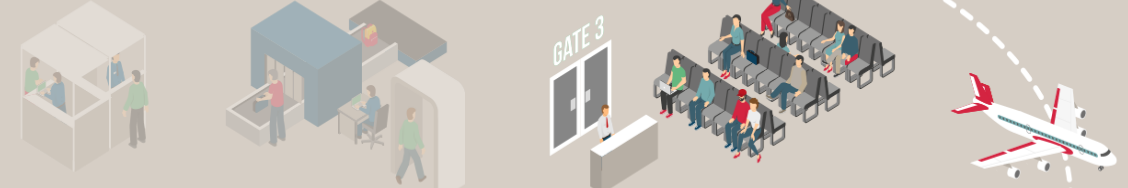
“Single Window”
Ticket with Merged
Visa/ETA Product

1



BIOMETRIC TOKEN

BOARD/NO-BOARD



Self-Bag Drop, Free-Flow Outbound Immigration and Security

Connecting Airport
(US or Canada)



One-stop
Security

Free-flow



Destination or
Third-country Visa Recognition
In Place of Transit Visa



Destination (e.g., South America)

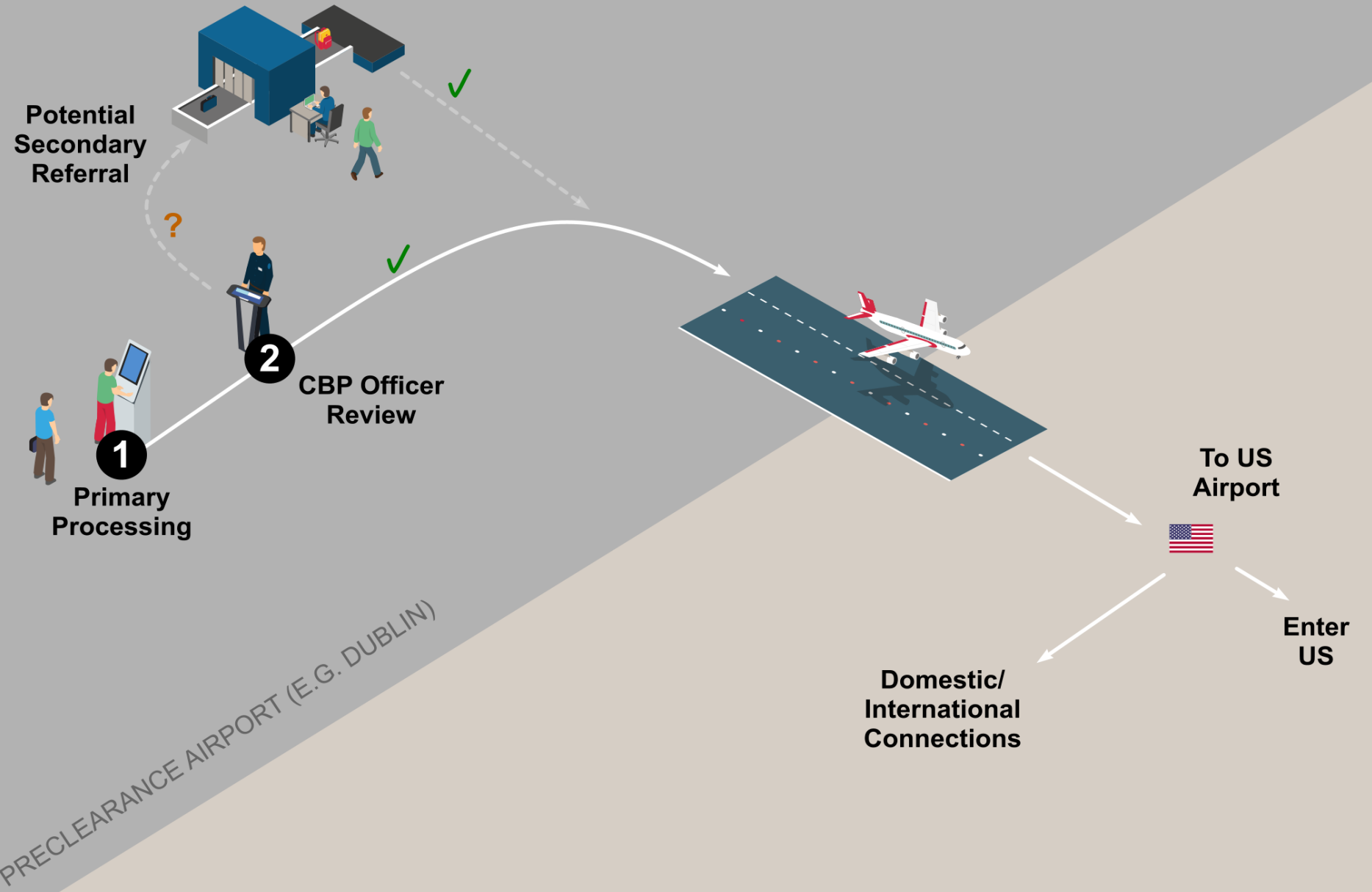
8



9



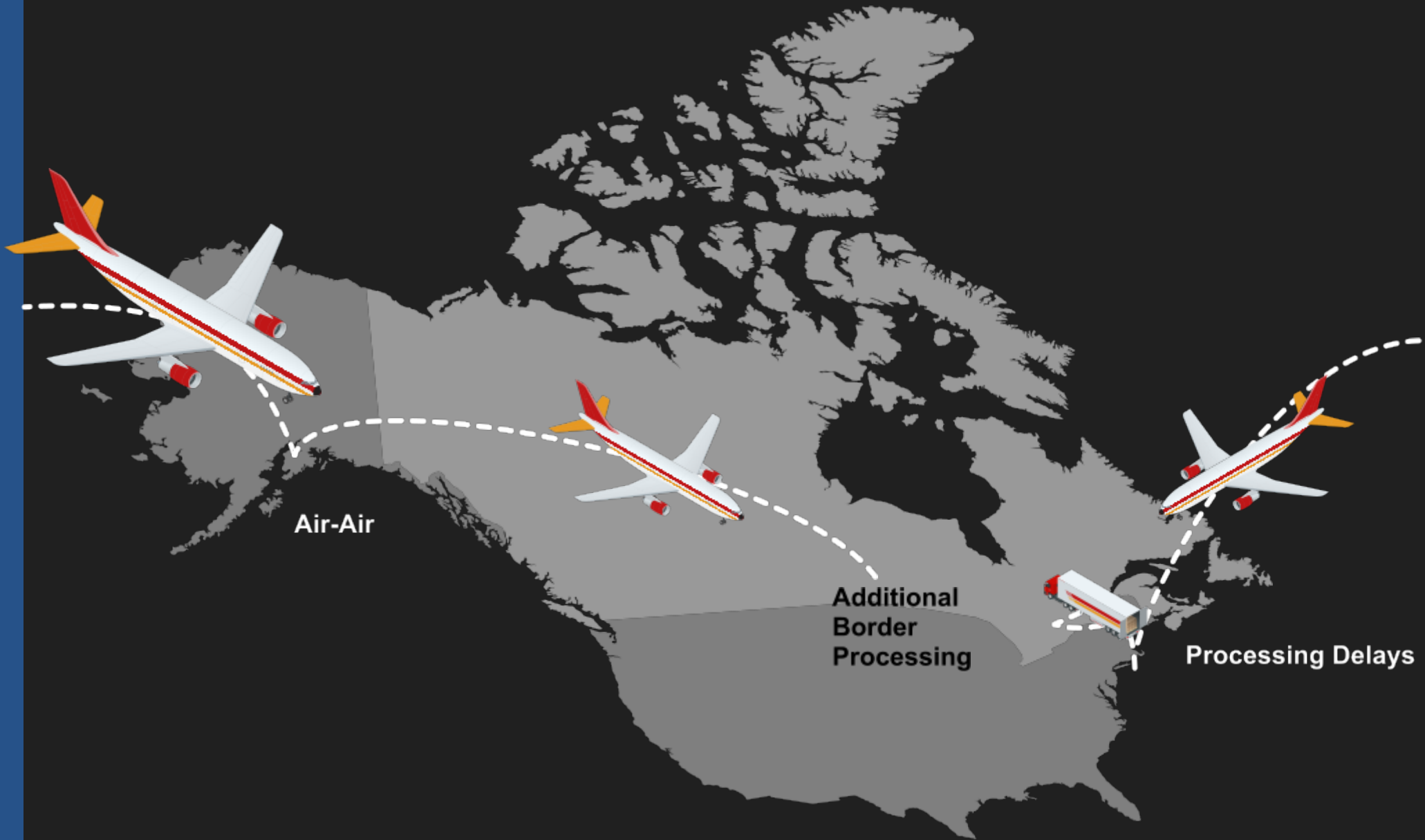
US Preclearance TODAY



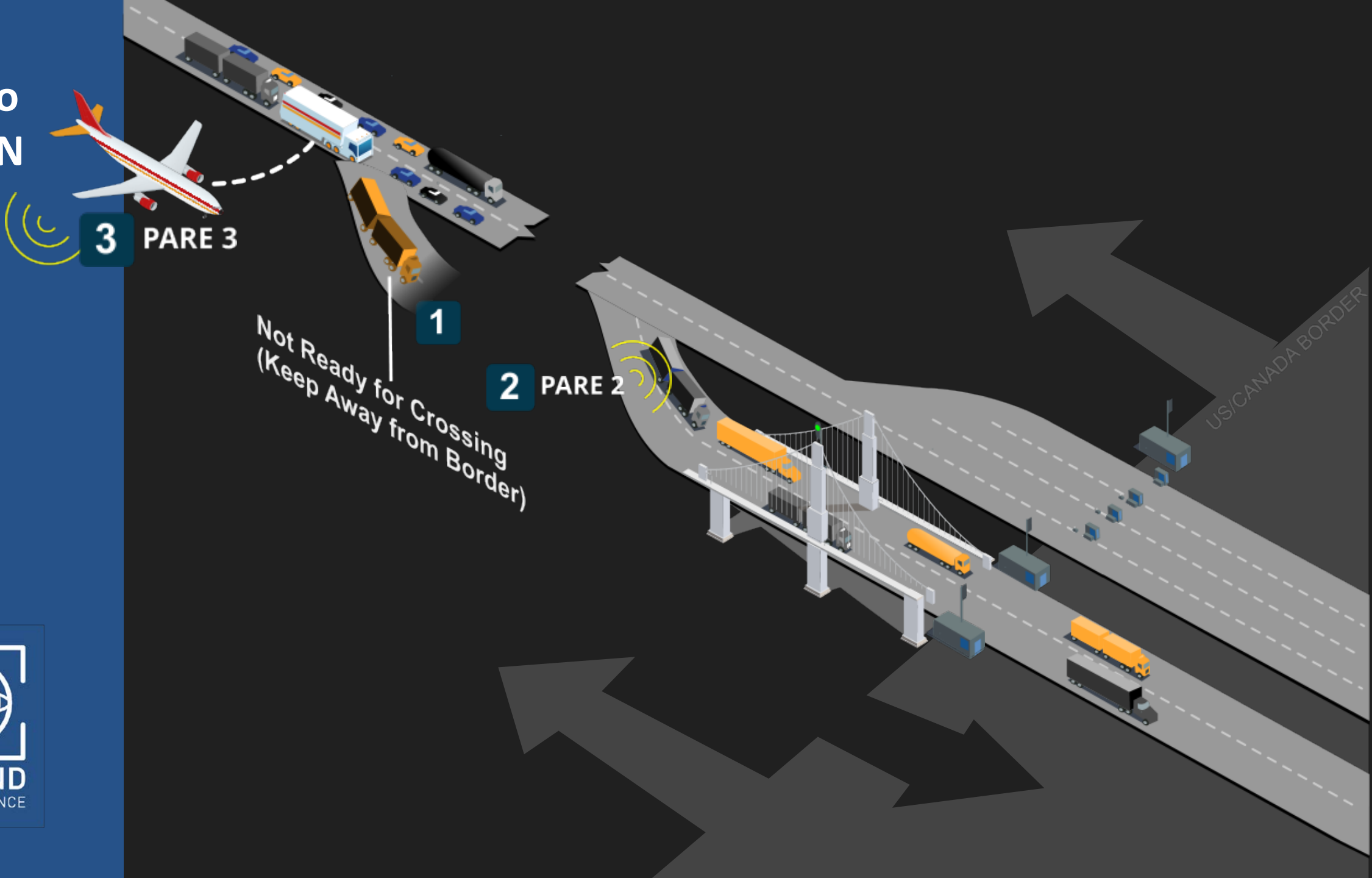
Global Preclearance VISION



Air Cargo TODAY



Air Cargo VISION



Estimated Annual Savings

54 CHANGES TO U.S.-CANADA BORDER

	Travel	Trade	Total
Maritime	\$5 M	\$1,245 M	\$1,250 M
Aviation	\$106 M	\$3,228 M	\$3,334 M
Rail	\$1 M	\$4,596 M	\$4,597 M
Land	\$162 M	\$3,878 M	\$4,040 M
Total	\$269 M	\$11,702 M	\$13,221 M





1
Context &
Vision

2
The
Opportunity

3
Implementing
The Vision

Public-Private Partnership Investment Model

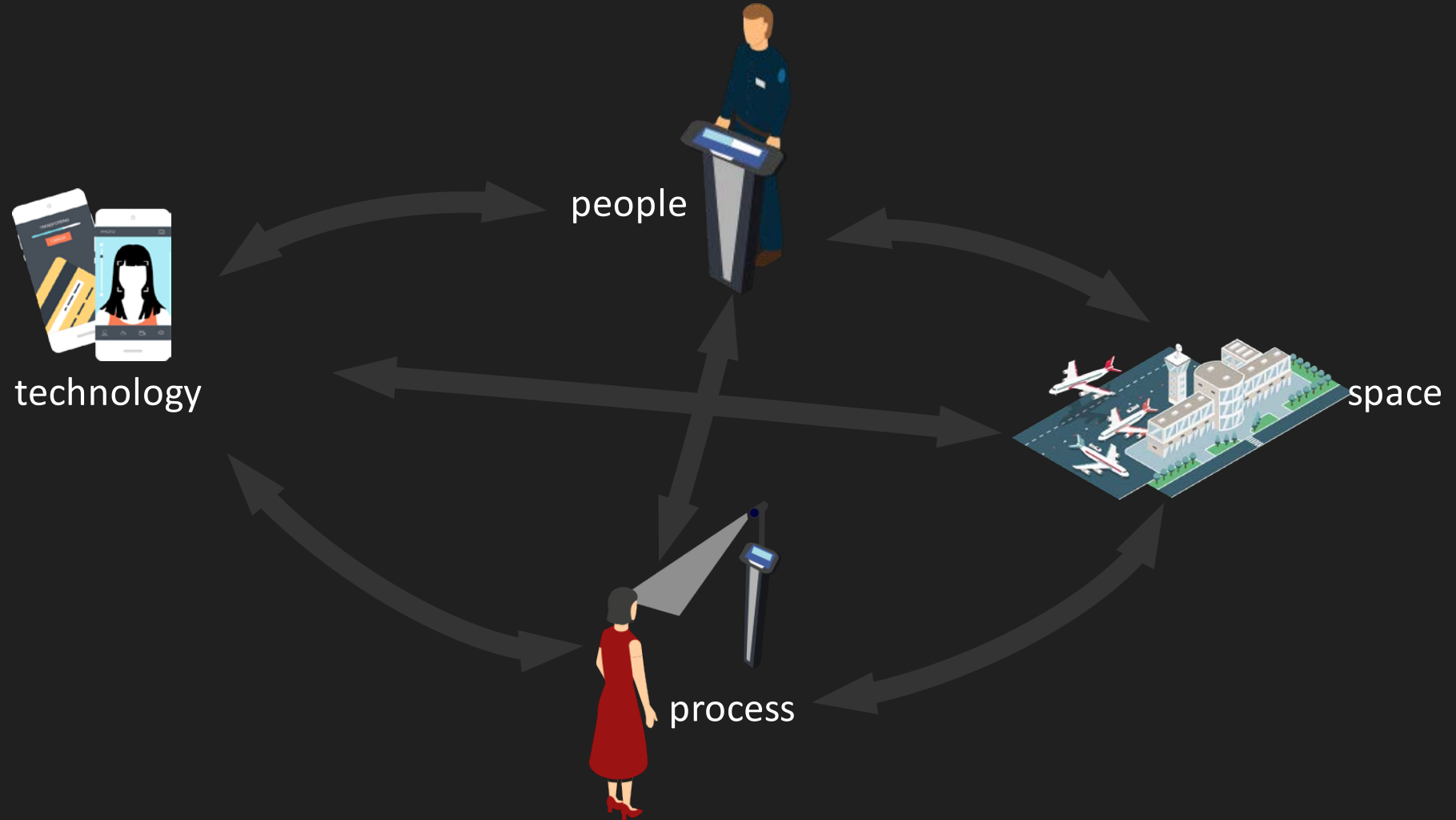
- Cost-recovery not fully sustainable model in the long term
 - Reimbursable services agreement – limited in scope
 - Need to move to a new investment model
 - Strong ROI for both Industry and Government
 - Public-Private-Policy Partnership
- ABC/PIK/APC Model is good example
 - Airports/Airlines invested in technology
 - Governments invested in back end systems
 - Industry ROI=capital deferment, faster processing and better customer experience
 - Government ROI=reduced staffing, future cost avoidance



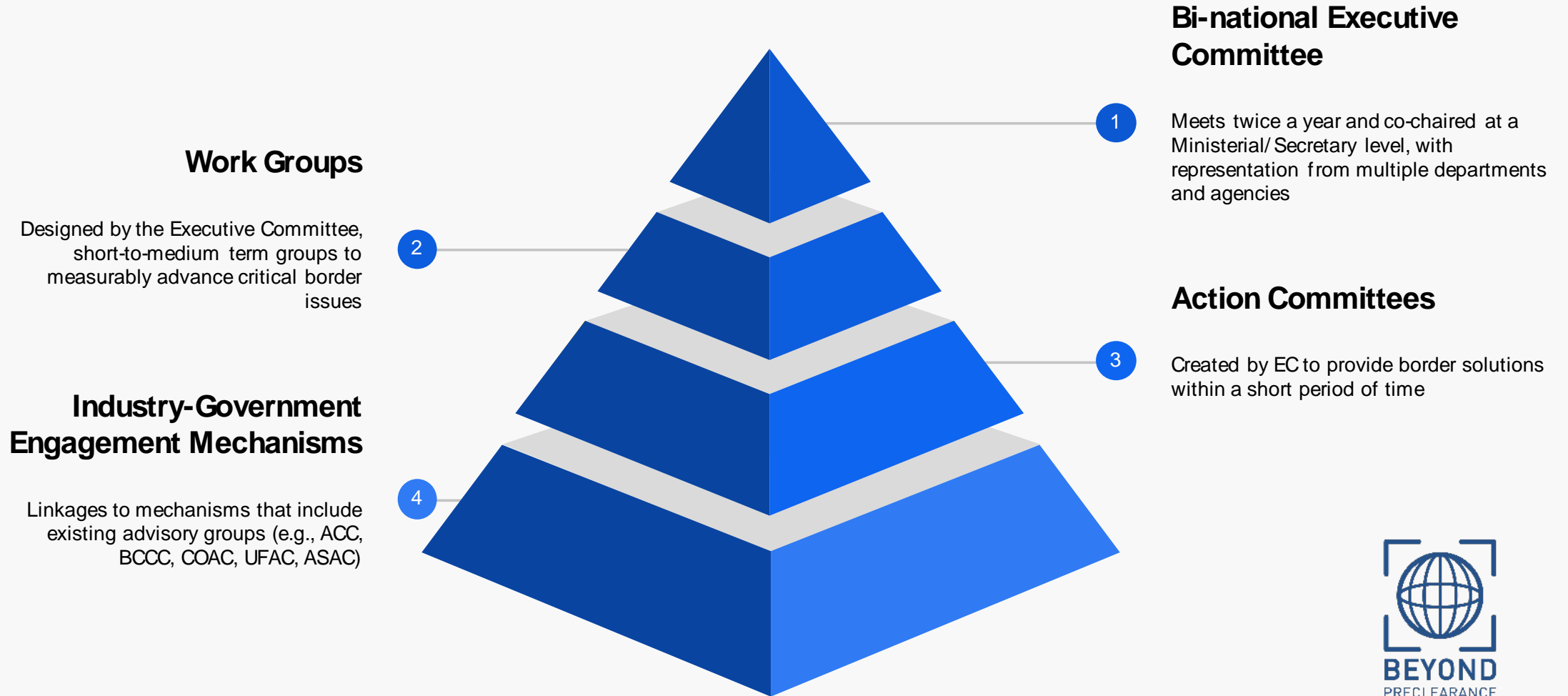
Investment Model



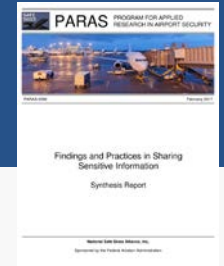
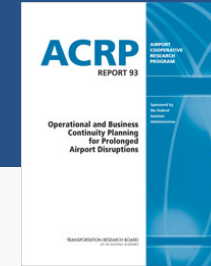
Public-Private Partnership Investment Model



Governance Structure



Applied Research Approach Needed



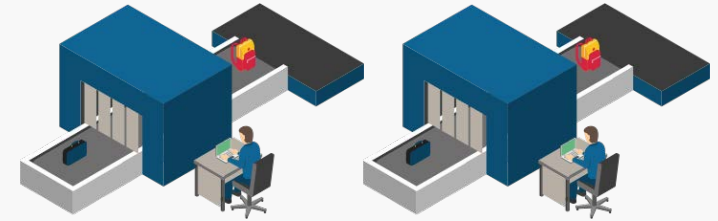
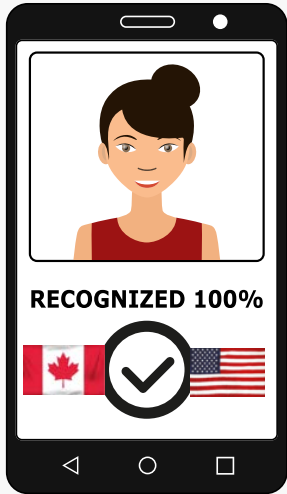
- Airport Cooperative Research Program
 - Great model to conduct research
 - Oversight from airports, airlines, government, academia
 - Problem Statements Model ensures continuous research
- Program on Applied Research on Aviation Security
 - Successful in a range of DHS/TSA/CBP research projects
- Bi-national Research
 - Limited At Present
 - Some joint testing & evaluation, but limited at product level



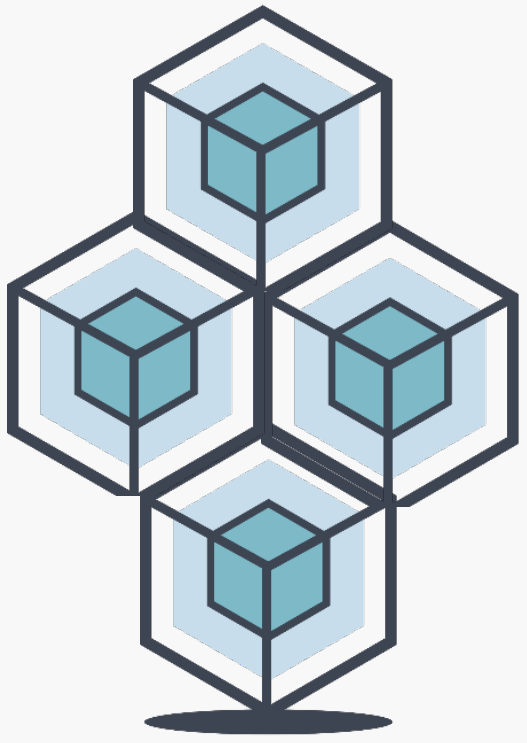
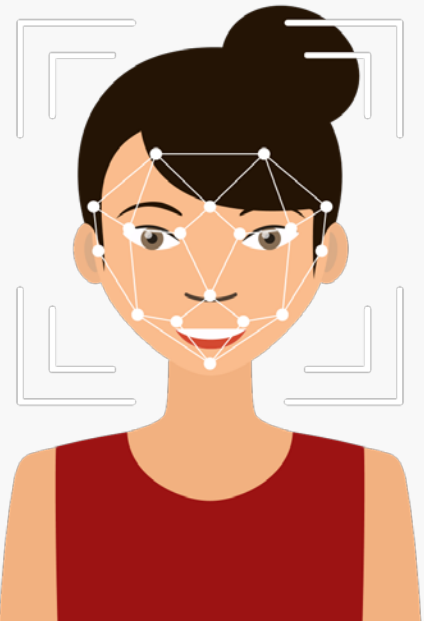
1. Adopt a Remote Clearance Approach



2. Screen Once, Accept Multiple Times

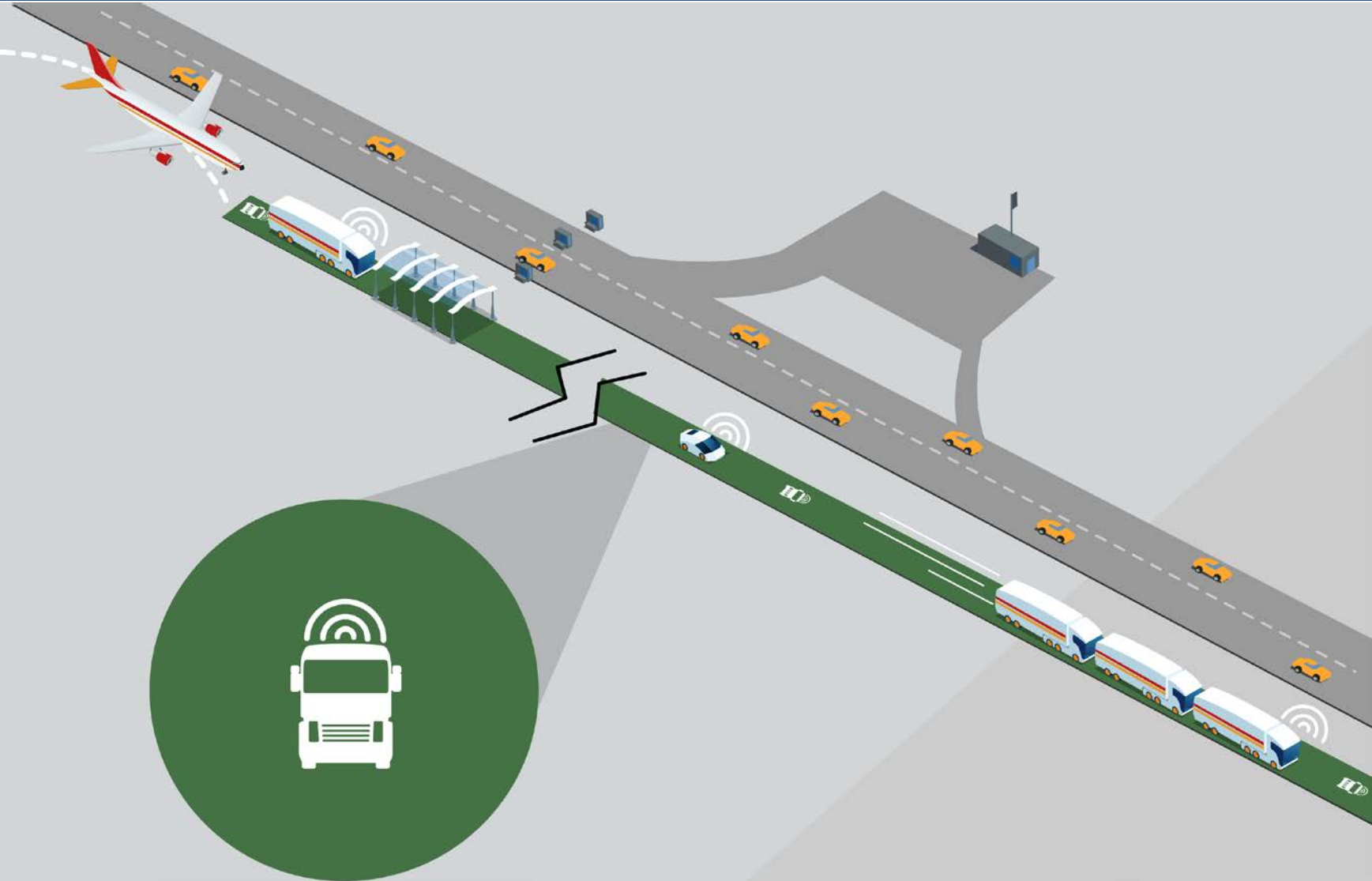


3. Trusted Secure Token

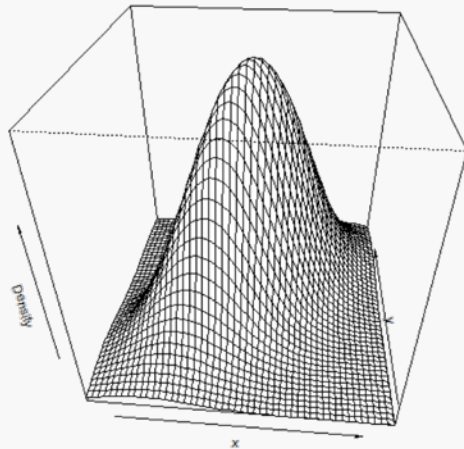


4. Move Away from Fixed Checkpoints to Clearing Flows

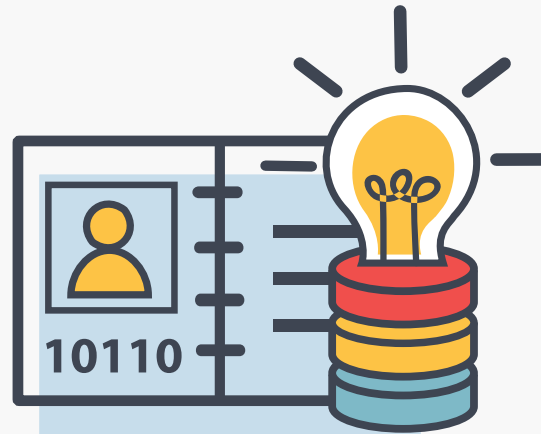
PARE



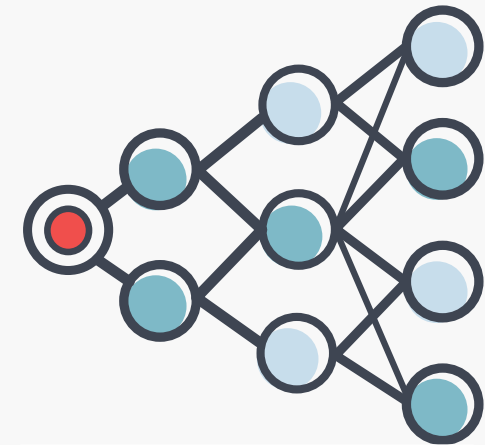
5. Harness Big Data for Risk Management



Travel History
Trade History



Better Risk
Management



Precleared Low Risk



2038



\$100 Trillion Economy
460 Million Residents

Growth



New Border Vision

- Predictable
- Secure
- Integrated



Reduced
Need for
38,000
New
Officers



54 New
Processes



New Model

- Joint Governance
- Technology Acceleration
- Applied Research
- Facilities

Results/Benefits

- \$13 billion/year travel/supply chain benefits
- Reduced/deferred facility costs
- Potential savings to incremental hires
- 2-4x return on investment

More
Competitive
US/Canada

Conclusions

- Significant gains expected in growth of US-Canada/international markets
 - Friction in the system remains
- Future vision in Beyond Preclearance for an integrated, secure and predictable border
 - Multi-modal approach needed
 - Not just CBP/CBSA – a whole of government approach
- Pilot projects needed to
 - Accommodate increased capacity
 - Enable new possibilities
 - Remove duplication





YVR AVIATION BORDER SUMMIT II





YVR AVIATION BORDER SUMMIT II

YVR AVIATION BORDER SUMMIT II

Vancouver, British Columbia | October 11-12, 2018





PILOT INITIATIVES & WORKING GROUPS

- EXPANDED U.S.-CANADA FACIAL RECOGNITION PILOT PROJECT
- SINGLE WINDOW ETA/ESTA
- CONDUCT RESEARCH TO SUPPORT POLICY MAKING
- REMOTE SCREENING OF GOODS AND FACILITIES COLOCATION
- TRUSTED TRAVELER PROGRAM INTEGRATION
- SECURITY RESCREENING ELIMINATION





NEXT STEPS

- FINALIZE ESTABLISHMENT OF SUMMIT WORKING GROUPS
- DECIDE ON GOVERNANCE FRAMEWORK
- TRANSPORTATION BORDER SUMMIT: 2019
- ONGOING ADVOCACY & COMMUNICATIONS





THANK YOU

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Download White Paper & Summit Report:

<https://www.beyondpreclearance.org>



Thank You

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InterVISTAS

a company of Royal HaskoningDHV



BLOCKCHAIN



Block



Ledger



Distribution



Transaction



Confirmation



Proof of work



Block Reward



BIG DATA



Volume



Value



Veracity



Visualization



Variety



Velocity



Virality





INNOVATION



Inspiration



Creativity



Analysis



Technology



Development



Teamwork



Success

