

ICAO
TRIP
2017

Passport

Passeport Pasaporte

护照 Паспорт جواز سفر



JAMAICA

PORT KINGSTON

Caribbean Sea

ICAO
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2017

PASSPORT

TRIP2017

Traveller Identification Programme

Regional Seminar Montego Bay



The ICAO TRIP Guide on Border Control Management

Ross Greenwood

Expert, Border Control Technology

ICAO TRIP: Making Air Travel more Secure and Efficient

TOWARDS BETTER TRAVELLER IDENTIFICATION MANAGEMENT

FOR ENHANCED BORDER CONTROL INTEGRITY



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Project *Strengthening Border Control Management in the Caribbean Region*

3 activities:

- ICAO TRIP **Workshop** on Border Control Management in the Caribbean Region
 - ✓ Antigua and Barbuda, Jan-Feb 2017
 - ✓ Jamaica, November 2017 – *This week after the ICAO TRIP Regional Seminar*
- **Development of *The ICAO TRIP Guide on Border Control Management***
- Technical Assistance Missions
 - ✓ Jamaica, March 2017
 - ✓ Dominican Republic, August 2017
 - ✓ Barbados, September 2017
 - ✓ Saint Lucia, September 2017

Funded by the
Government
of Canada

Canada 

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Identification Management in BCM

BCM is undertaken by States, to meet sovereign goals and their international obligations

The Guide is written for States, and therefore examines BCM from the perspective of States.



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Inspection System

A system used for inspecting MRTDs by any public or private entity having the need to validate the MRTD, and using this document for identity verification, e.g. border control authorities, airlines and other transport operators, financial institutions.

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Inspection Tools

...and their supporting tools e.g. document readers, eGates, kiosks, physical inspection of MRTDs.

*Proposed definition for the purposes of the Guide
(from a State BCM perspective)*





From the perspective of States:

Interoperable Applications

Global applications for the timely, secure and reliable linkage of inspections systems (e.g. airlines to State), or that share additional data essential to validation of the MRTD and/or identity verification (e.g. PKD, SLTD, International Watchlists).

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...share traveller data

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#1 The PKD is an Interoperable Application

*the Guide
(from a State BCM perspective)*

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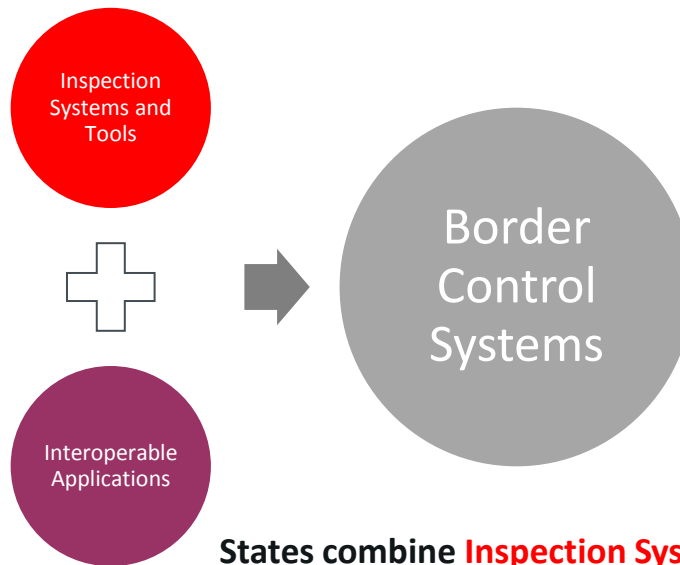
#2 N-PKD is an Inspection Tool

#3 eMRTD PKI authentication occurs in Inspection Systems

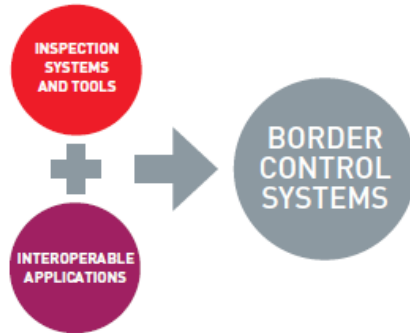




What?



States combine **Inspection Systems and Tools** and **Interoperable Applications** in their Border Control Systems (BCS) – the integrated ICT solutions that supports BCM



Why?

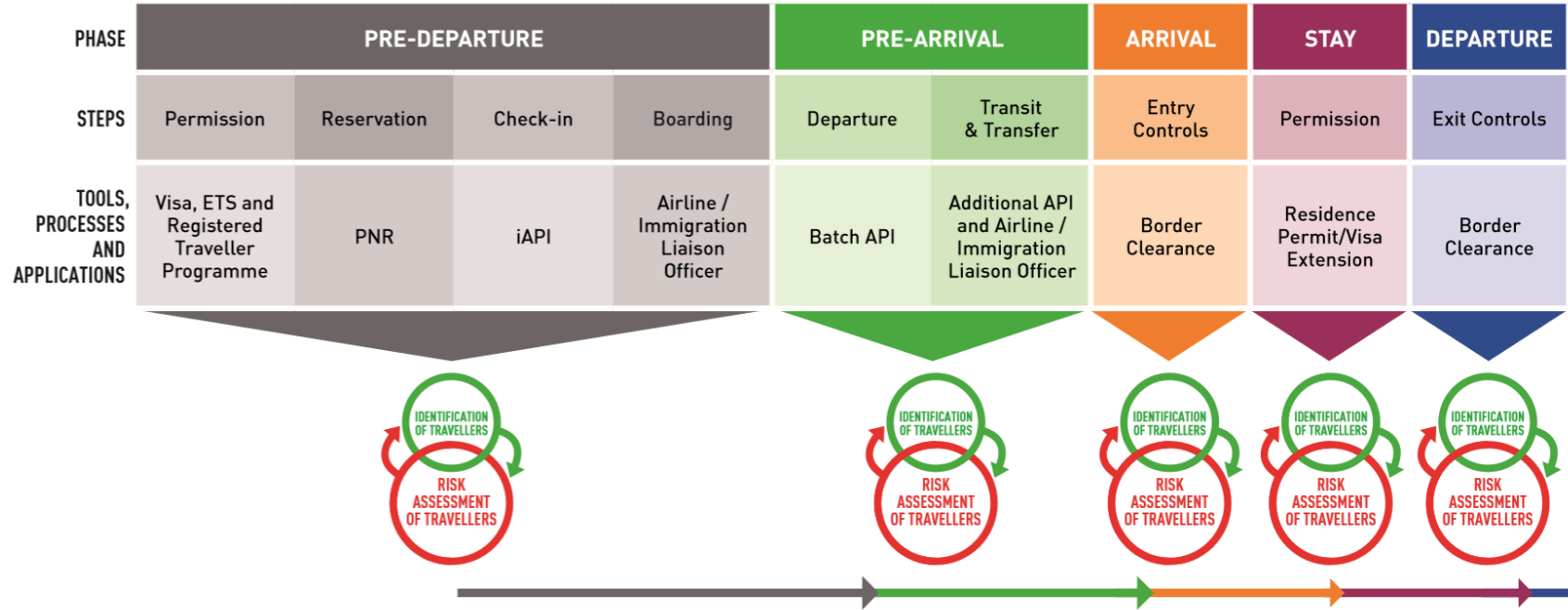


Identification of Travellers: The essential foundation for Risk Assessment of Travellers

- ✓ Border Control Management (BCM) is the sovereign responsibility of States.
- ✓ States seek to maximise the benefits of travel while identifying and mitigating risks and threats.
- ✓ The ICAO TRIP Strategy assists States to uniquely identify travellers to enhance border security and facilitation.

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Traveller identification and risk assessment is repeated throughout the traveller journey as additional information becomes available to the receiving/destination State

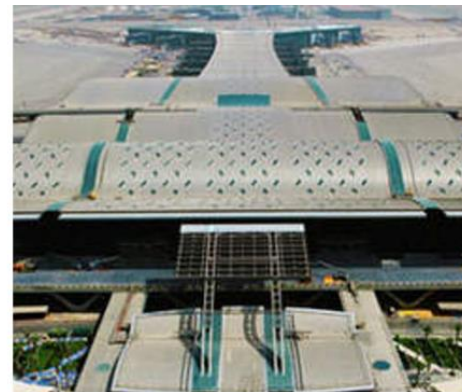
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The travel continuum
includes transit and transfer



Benefits of travel?

International air travel is a significant economic activity in its own right but...

The Travel Continuum includes “Stay”

Travel



Stay





PRE-DEPARTURE

Permission	Reservation	Check-in	Boarding
Visa, ETS and Registered Traveller Programme	PNR	iAPI	Airline / Immigration Liaison Officer



NB: “rich” data

A. Visas and Electronic Travel Systems

National Border Inspection Systems for **Traveller Identification & Risk Assessment**

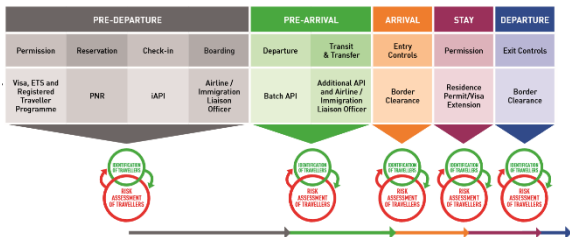
By the collection and analysis, prior to travel commencing, of extensive contextual information to supplement the biographic and biometric data available from MRTDs.



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B. Document Readers

National Border Inspection Tools supporting **Traveller Identification** & **Risk Assessment**

Document readers are used by States (and airlines) throughout the travel continuum

Document readers are the **tool** that provide the interface to **inspection systems**

By the fast, accurate capture of biographic, cryptographic and biometric data from MRTDs in automated inspection processes applied throughout the travel continuum.



PRE-DEPARTURE

Check-in

iAPI

ARRIVAL

Entry Controls

Border Clearance

STAY

Permission

Residence Permit/Visa Extension

DEPARTURE

Exit Controls

Border Clearance

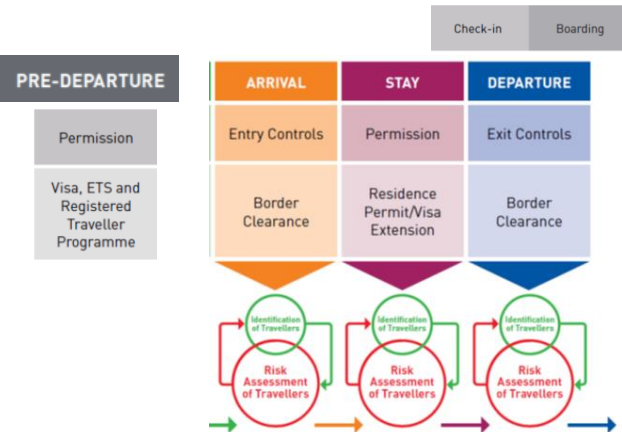


NB: iAPI can extend biographic ID verification to the pre-travel phase

C. Biographic Identity Verification

National Border Inspection Systems for **Traveller Identification**

By integrating national travel document issuance database verification searches into primary processing, and making more extensive search results available to support secondary examination.



D. Biometric Identity Verification

National Border Inspection Systems for **Traveller Identification**

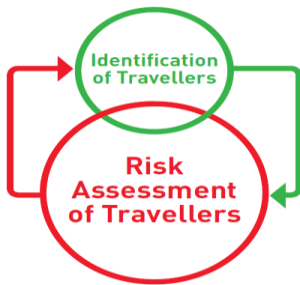
By comparisons of images captured live from the traveller against biometric reference databases of enrolled images from visa or trusted traveller or travel document or other token issuance.

NB: Enrolment based Biometric ID verification is currently most common in border clearance but is an emerging feature in many visa arrangements, and in airline processes



PRE-DEPARTURE				PRE-ARRIVAL		ARRIVAL	STAY	DEPARTURE
Permission	Reservation	Check-in	Boarding	Departure	Transit & Transfer	Entry Controls	Permission	Exit Controls
Visa, ETS and Registered Traveller Programme	PNR	API	Airline / Immigration Liaison Officer	Batch API	Additional API and Airline / Immigration Liaison Officer	Border Clearance	Residence Permit/Visa Extension	Border Clearance

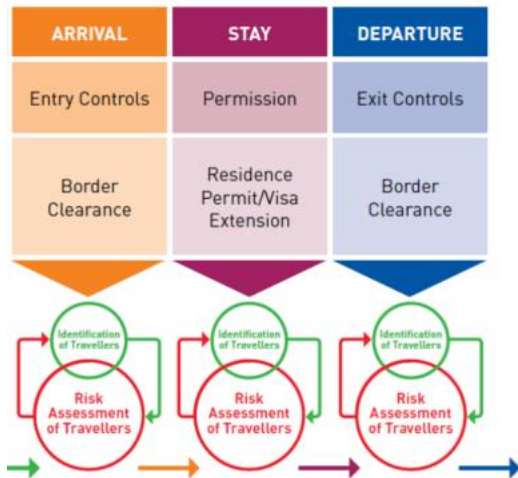
NB: In fully integrated BCS, national watchlists are applied across the entire travel continuum



E. National Watchlists

National Border Inspection Systems for **Traveller Risk Assessment**

By comparisons of biographical details (or biometric images) captured from the traveller against reference databases of known targets of concern compiled by the State from national and international sources.

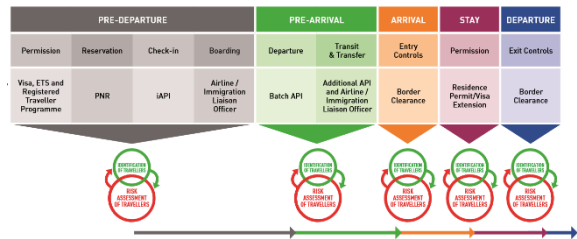


F. Entry and Exit Databases

National Border Inspection Systems for **Traveller Identification & Risk Assessment**

By compiling over extended periods of time comprehensive, searchable databases recording and indexing all the entries and departures of all travellers to and from the State.

NB: Exit databases are common in developing countries but are not a feature of BCM in the EU, UK or Canada and are only now being introduced in the US.... Why???

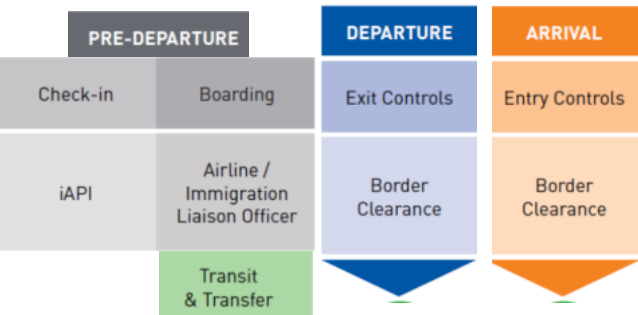


NB: additional topic

X. MANUAL AND VISUAL INSPECTION OF TRAVEL DOCUMENTS

National Border Inspection Tool for **Traveller Identification** & **Risk Assessment**

- The manual and visual inspection of travel documents is the subject of a range of other publications so is not dealt with exhaustively in the Guide.
- The Topic highlights that human inspection of travel documents remains of vital importance to effective BCM.



G. Automated Border Controls

*National Border Inspection Systems for **Traveller Identification & Risk Assessment***

By integrating inspection systems and tools and interoperable applications into a self-service automated processing solution achieves process efficiency gains that release border agency resources to achieve other facilitation and security objectives.

NB: eGates and Kiosks are the visible manifestation of a fully integrated BCS

Q) Justification?

A) Benefits > Costs



NB: iAPI allows States to prevent travel from commencing

H. Advance Passenger Information and Interactive Advance Passenger Information

Interoperable Application for **Traveller Identification** & **Risk Assessment**

By providing border agencies advance notice from airlines of travel, provides additional time to complete a more detailed traveller identification and risk assessment. Facilitates pre-clearance and in the case of iAPI allows the State to prevent travel commencing by returning a message to airline check-in to refuse boarding.



PRE-DEPARTURE

Reservation

PNR

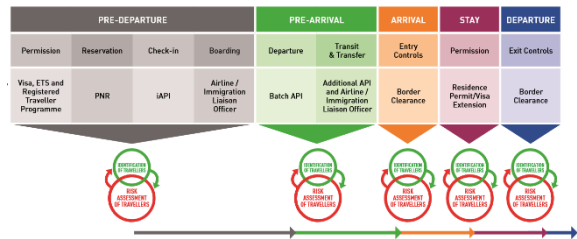
NB: “rich” airline data

- MRTD independent
- Low correlation with other BCS data

I. Passenger Name Record

Interoperable Application for **Traveller Risk Assessment**

By obtaining from airline reservation systems, for analysis, prior to travel commencing, extensive contextual information to supplement the biographic and biometric data available from MRTDs and other sources.



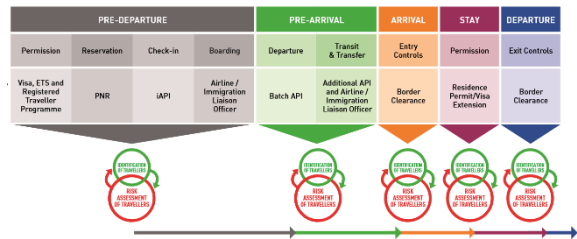
NB: eMRTD PKI authentication is essential at entry (and exit) but can be undertaken wherever document readers are used (e.g. at visa issuance)

The ICAO PKD is an **interoperable application** – that provides certificates to NPKDs which is the **tool** used by States – to make certificates available to **inspection systems** in the State BCS.

J. Public Key Infrastructure and the ICAO PKD

Interoperable Application supporting **Traveller Identification**

By assurance that the data read from the IC chip in the eMRTD is unaltered, and was written to the chip by a genuine issuing authority, allows the data read from the eMRTD to be relied on in other business processes.



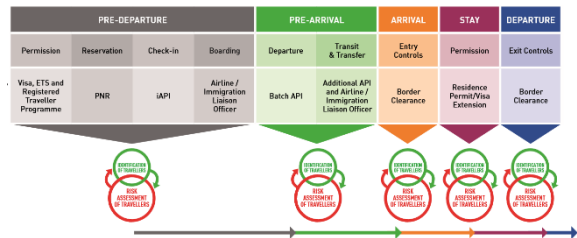
NB: eMRTD Biometric Identity Verification is most common at entry (and exit) but can be undertaken wherever document readers are used (e.g. at visa issuance).

eMRTD Biometric Identity Verification is an **interoperable application** because States using it rely on enrolments made by other States.

K. eMRTD Biometric Identity Verification

Interoperable Applications for **Traveller Identification**

By providing States with a universal, mandatory, standardised, globally interoperable, biometric verification option (face images) and optional alternatives (fingerprints and iris images)



NB: INTERPOL SLTD checks are most common at entry (and exit) but can be undertaken wherever document readers are used (e.g. at visa issuance, airline check-in).

L. INTERPOL's Database of Stolen and Lost Travel Documents

Interoperable Application supporting **Traveller Identification** & **Risk Assessment**

By providing further assurance that passports genuinely issued by States remain in the hands of travellers entitled to use them.



PRE-DEPARTURE				PRE-ARRIVAL		ARRIVAL	STAY	DEPARTURE
Permission	Reservation	Check-in	Boarding	Departure	Transit & Transfer	Entry Controls	Permission	Exit Controls
Visa, ETS and Registered Traveller Programme	PNR	IAP	Airline / Immigration Liaison Officer	Batch API	Additional API and Airline / Immigration Liaison Officer	Border Clearance	Residence Permit/Visa Extension	Border Clearance

NB: In fully integrated BCS, international watchlists should be integrated (into national watchlists) and applied across the entire travel continuum.

M. International Watchlists

Interoperable Applications for **Traveller Risk Assessment**

By supplementing national watchlists with additional targets who may otherwise remain unknown to them thus helping States secure their own borders and meet their international obligations to combat terrorism and other trans-national crime.



When will the Guide be available?

Draft currently in consultation (until 4 December 2017), available on the page of the ICAO TRIP Workshop on Border Control Management:

<https://www.icao.int/Meetings/TRIP-Jamaica-2017/Pages/Workshop-on-Border-Control-Management.aspx>

Final version available on Q1 2018 on the ICAO TRIP Publications page:

<https://www.icao.int/Security/FAL/TRIP/Pages/Publications.aspx>

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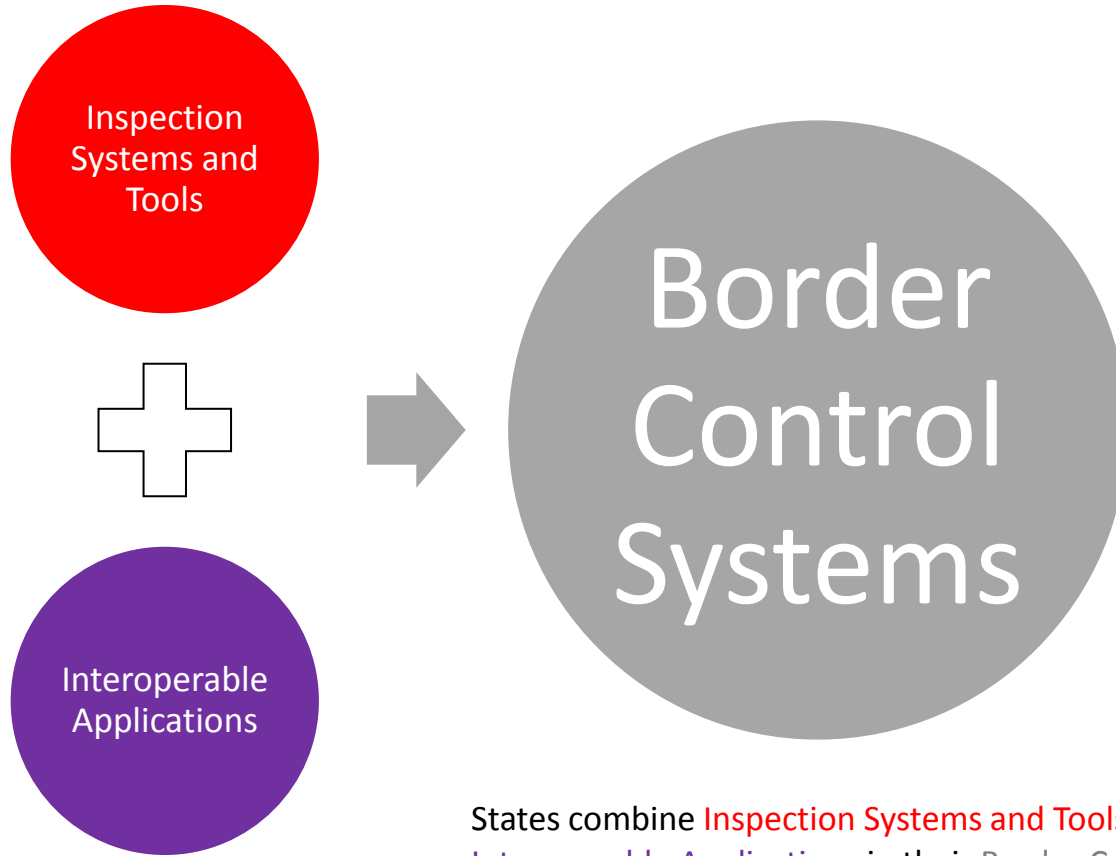


Contact Details

Name: Ross Greenwood

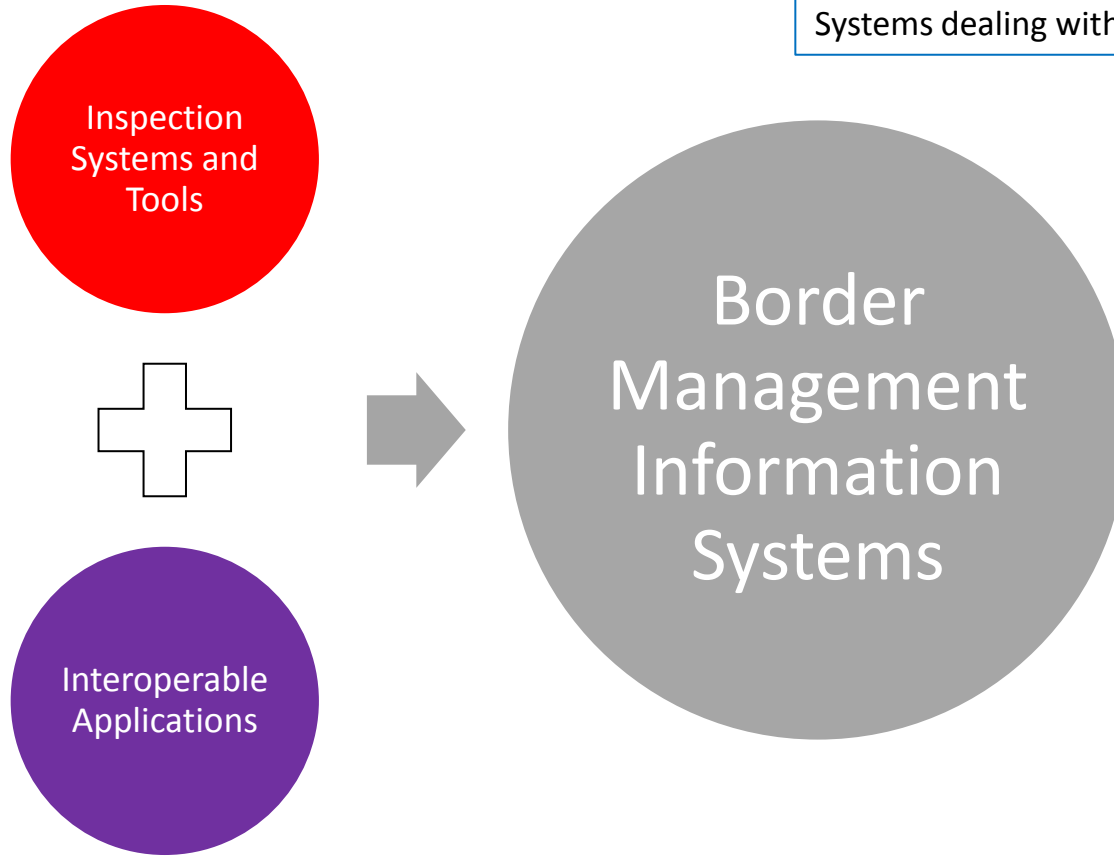
identitymatters

Email: ross@identitymatters.net.au

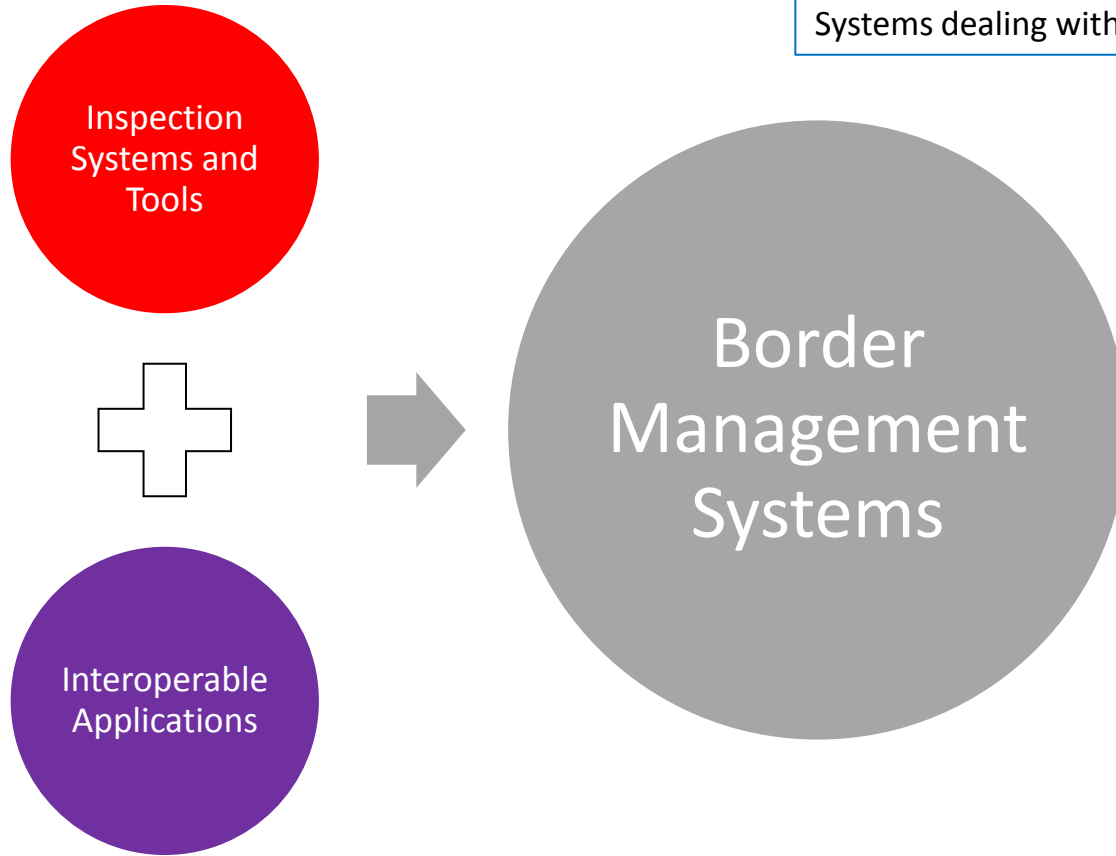


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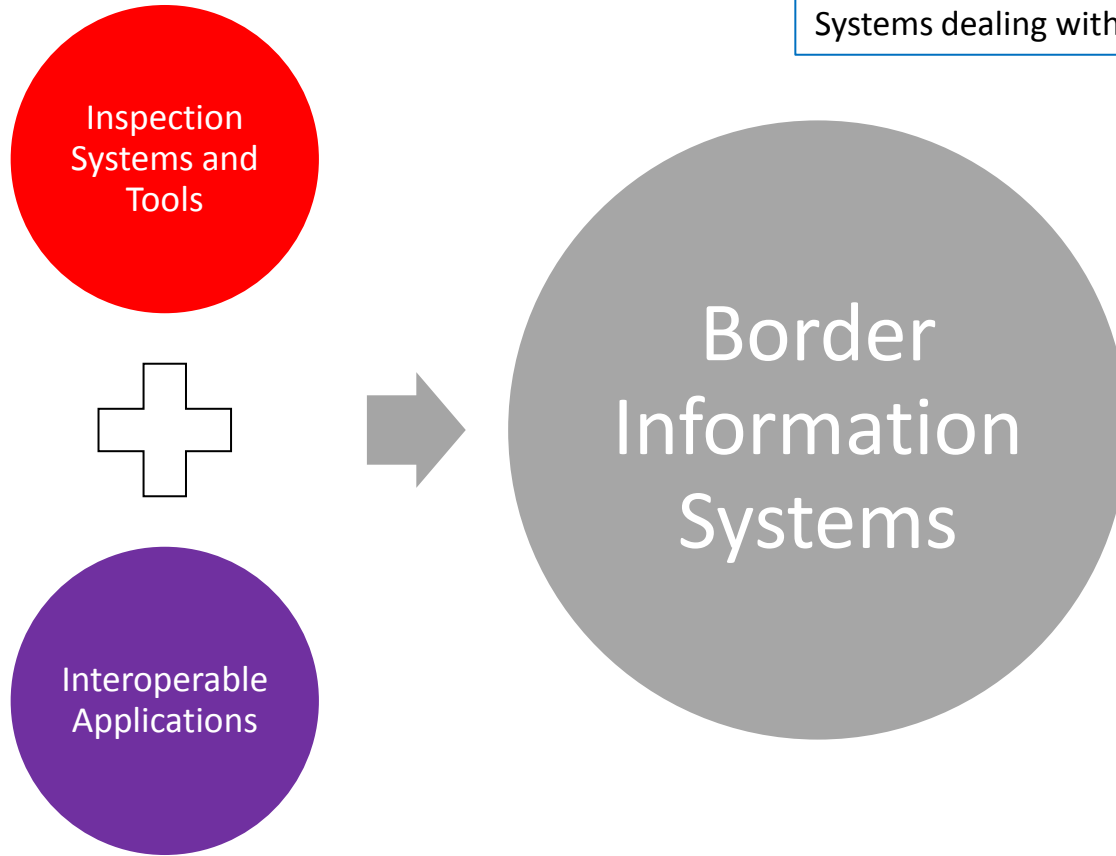
The term used to describe the ICT
Systems dealing with travellers differs:



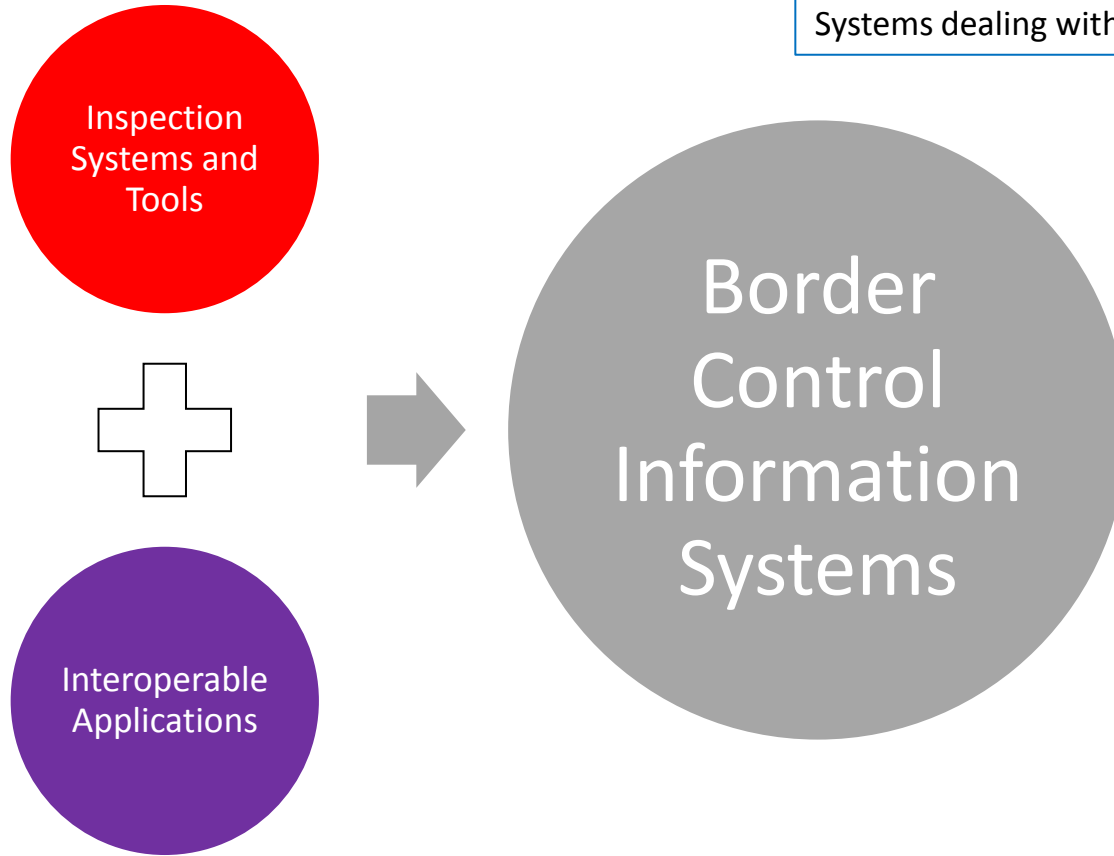
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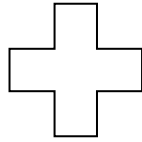


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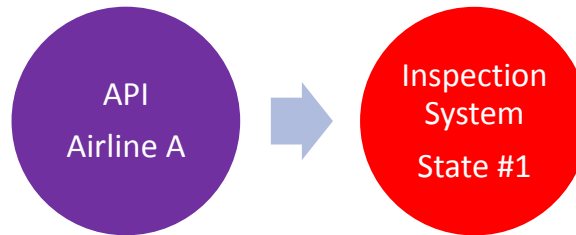
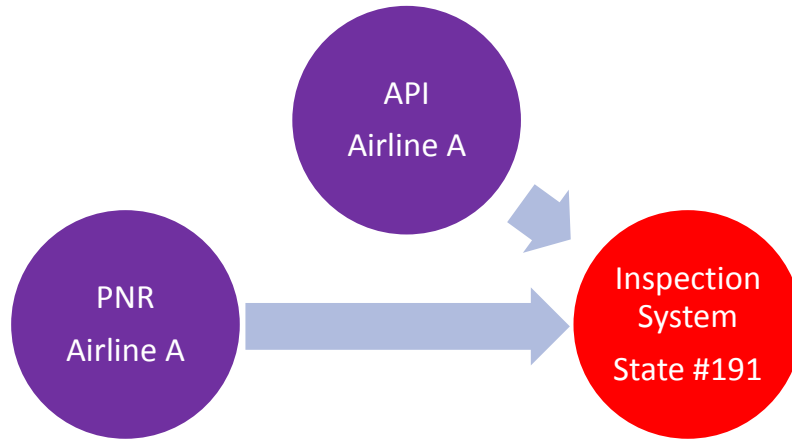


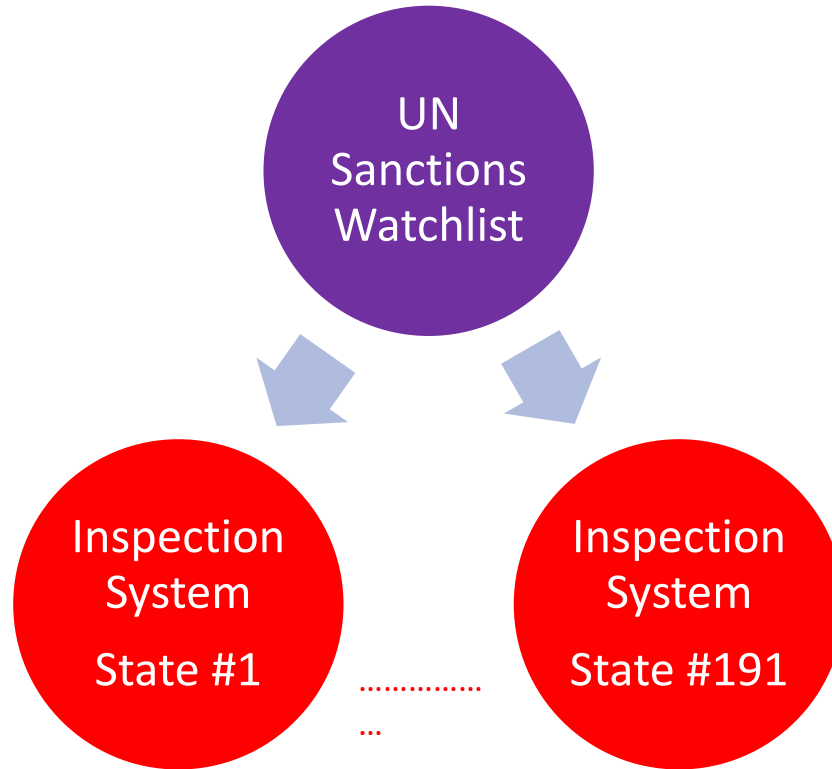
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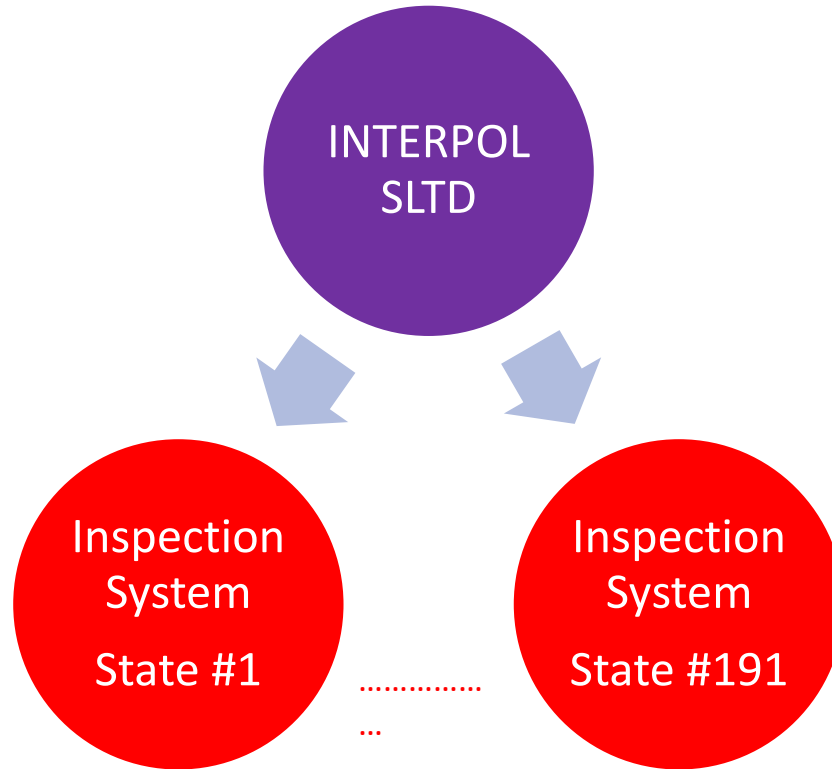


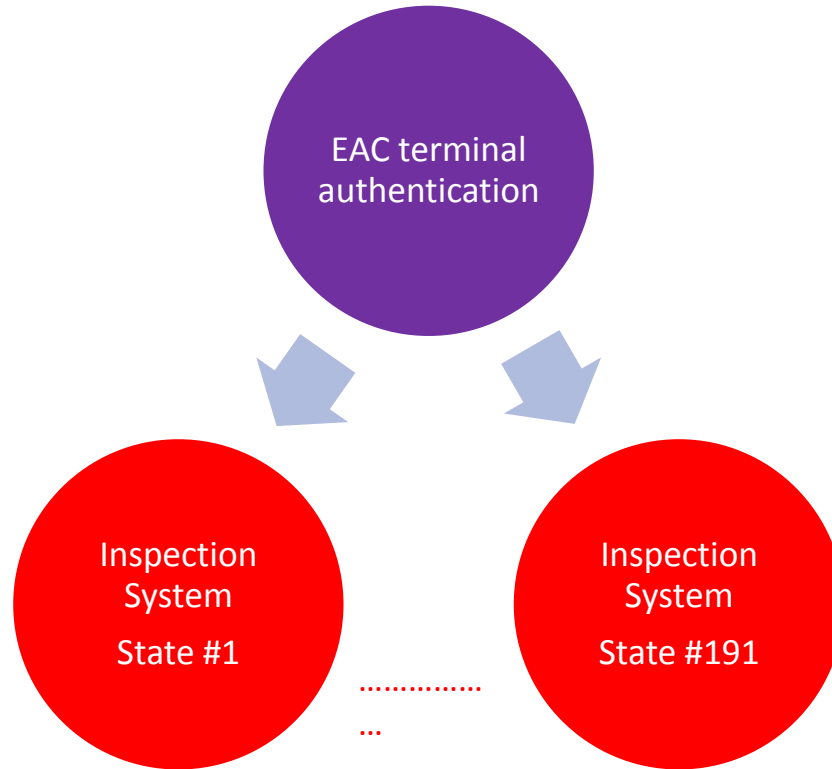


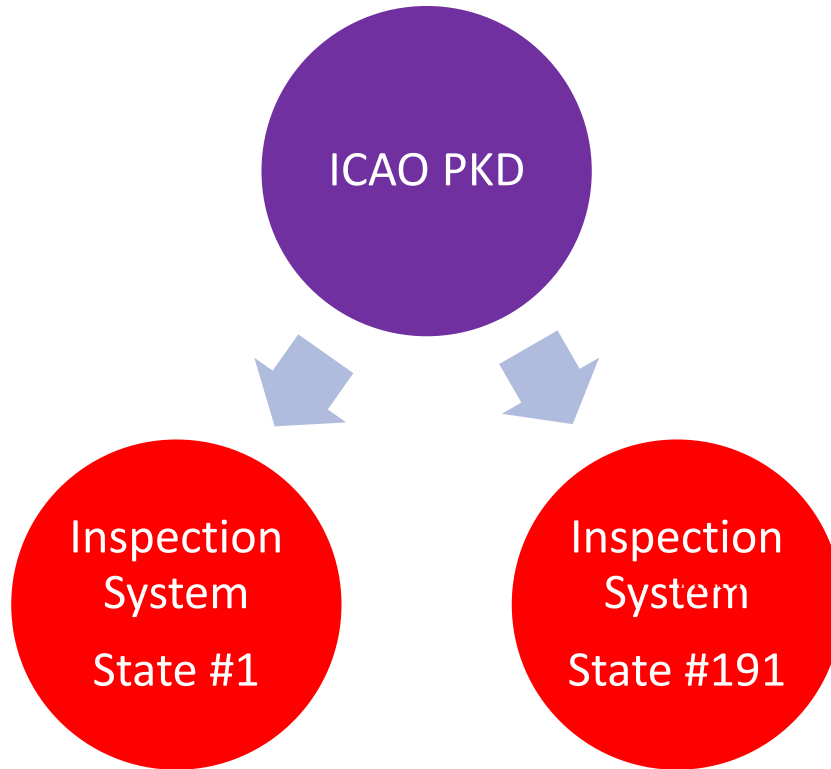
In its SARPs and technical specification ICAO uses the term Border Control Systems and the acronym BCS.





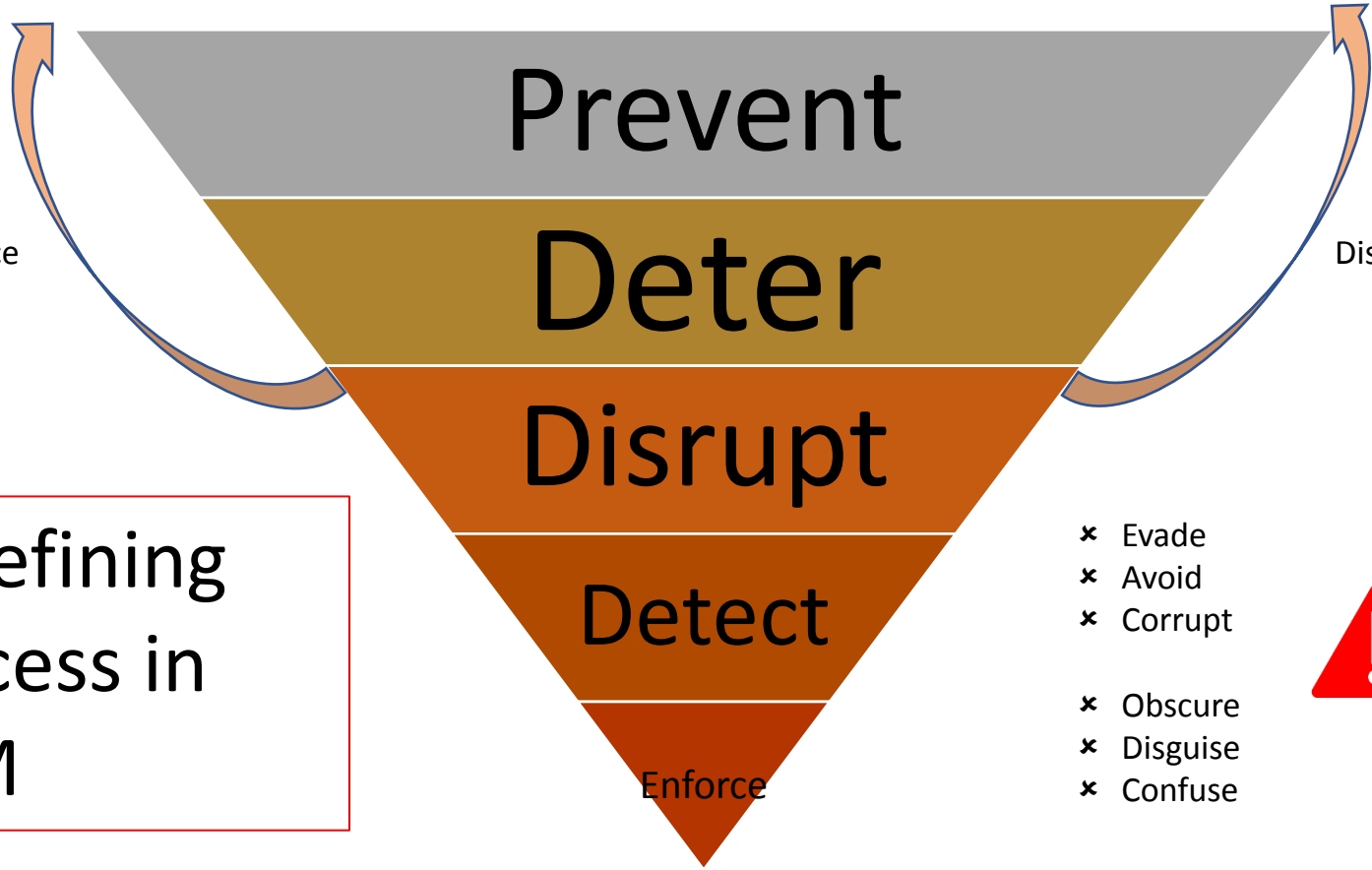






- **Inspection Systems and Tools** are national.
- **Interoperable Applications** connect traveller data from airline systems, other States and regional and international organizations to all States.

Redefining
Success in
BCM



- ✗ Evade
- ✗ Avoid
- ✗ Corrupt
- ✗ Obscure
- ✗ Disguise
- ✗ Confuse





BCM is a State response to
manage “Stay”



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Main European migration routes





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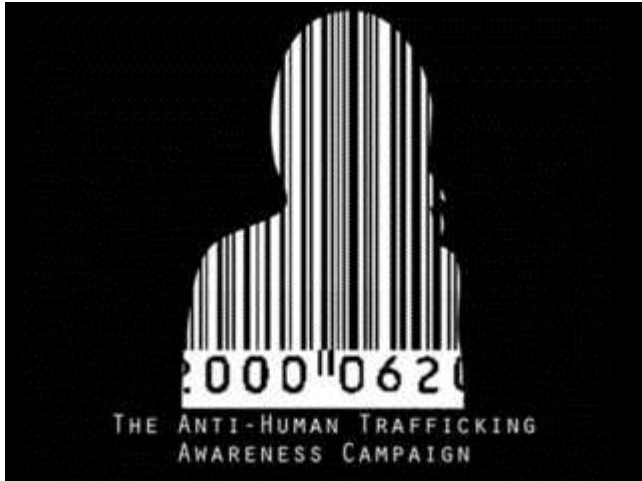
LOOK BENEATH THE SURFACE

HUMAN TRAFFICKING IS
MODERN-DAY SLAVERY

A victim of trafficking may look like
many of the people you see everyday.

Ask the right questions and look for clues. You are often someone you may be
the only outsider with the opportunity to speak with a victim.
There are safe housing, health, investigation, food, income, employment, legal
and transportation services available to victims, but first they must be found.

If you think someone is a victim of trafficking, call **1.888.3737.888**
For more information about human trafficking visit www.oct.hhs.gov/trafficking





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Asylum & Protection

Durable solutions:

- Safe return
- Local integration
- 3rd country resettlement





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ICAO Doc 9303 Part2

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and in

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