



< Let's Talk

No Issuance without Inspection

The Rise of Electronic Documents & the Importance
of Electronic Validation



Electronic Passports

Why electronic travel documents?

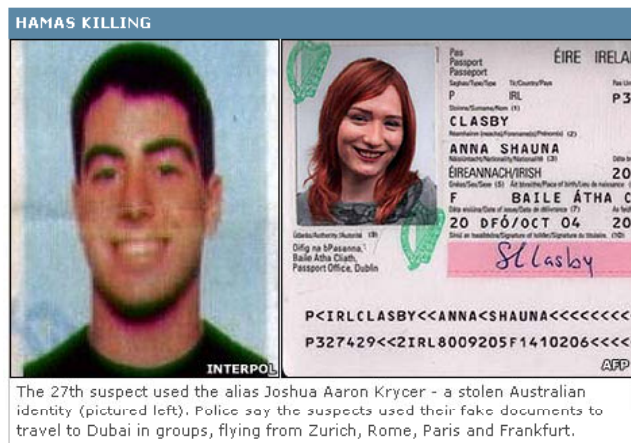
- Strong Binding
- Mitigate threats of undetected document forgery
- Mitigate Individual Impersonation



Enhance flow of traffic & Increase security

Issues – Forgery & Impersonation Threats

“The British travel documents were not biometric, meaning they did not have computer chips embedded in them that would make it more difficult to duplicate” Al-Jazzera



- Assassination of Hamas militant, Mahmoud al-Mabhouh
 - Fraudulent British, German, Irish, Australian and French passports to enter and leave Dubai



Issues – Forgery & Impersonation Threats

- British Woman Arrested in Thailand Over Passport Forgery – April 2010
- Gang jailed for 'largest ever' passport forgery – Jan 2008
- 400 cops raid 39 locations to disable passport forgery ring run by Middle Eastern men in Montreal and Toronto – Nov 2009
- Passport forgery immigrants jailed – June 2010
 - Romanian Passport Forgery Factory



Issues – False Rejections

- Canadian Woman jailed as she tried to leave Kenya – July 2009

Somali-Canadian woman jailed as she tries to leave Kenya

July 3, 2009

Written by [kenyanobserver](#), in [IMMIGRATION](#)

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Ms Haji (below). Her son, ex-husband and son's caretaker (above)

Suaad Mohamud Haji, 31, a computer technician from Toronto Canada went Kenya to check on her ailing mother April 29th. On her way back, she was stopped at the immigration checkout window and jailed in Kenya for 8 days because she looked nothing like the four-year old picture on her passport.

Ms. Haji has requested the Kenyan authorities to fingerprint her and verify her identity but they refuse saying she is not a criminal. They (Kenyan immigration) have also notified the Canadian embassy in Nairobi to vouch

for one of their own and they seem to be taking their sweet time hiding behind the thick veil of bureaucracy.

photo: MICHAEL STUPARYK/TORONTO STAR

Woman's Kenya 'nightmare' ends with Toronto reunion

Last Updated: Saturday, August 15, 2009 | 9:59 PM ET [Comments](#) 856 [Recommend](#) 208
[CBC News](#)

A Canadian woman stranded in Kenya on charges of identity fraud was reunited with her 12-year-old son in Toronto on Saturday, ending a three-month ordeal she described as a "nightmare."



Suaad Haji Mohamud, left, embraces her 12-year-old son Mohamed Hussein upon arriving at Pearson International Airport in Toronto on

"My boy, my boy," Suaad Haji Mohamud said as she embraced her son Mohamed Hussein amid a throng of relatives and reporters at Pearson International Airport.

"You can't imagine, I'm really happy to come back, I'm really, really happy to come home," Mohamud reporters. "I'm glad my own nightmare is over."

Mohamud made no other comment and was quickly ushered away with the help of two police officers escorting her as the crowd of supporters cheered and applauded her.



Electronic Travel Documents

Passports & E-Passports issued 2010

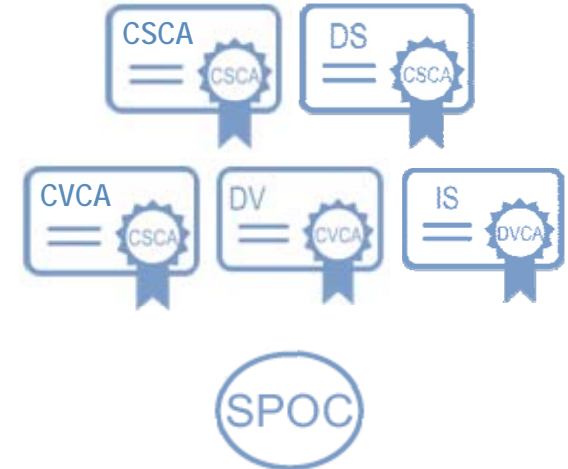
Countries: ~91

Passports: ~124 Million

E-Passports: ~91 Million

Two largest deployments are US & UK

- ~50% of the e-passports today (Entrust)



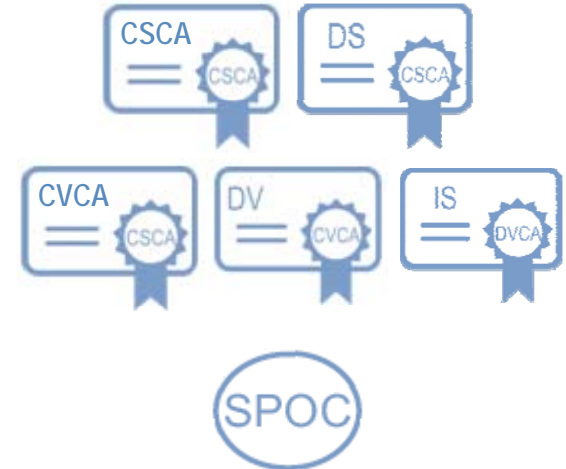
*source: Acuity



Electronic Travel Documents

Estimated Number of ePassports issued

253,035,000



*source: ICAO New Technologies Working Group (NTWG)

Tipping point?

- Billions of Dollars have been spent on issuance....
- And Millions of eMRTD's are in circulation
- When does it make sense to do electronic validation?
 - Issuance has been the main focus
 - Electronic Validation has not
 - How do we realize the eMRTD investment?

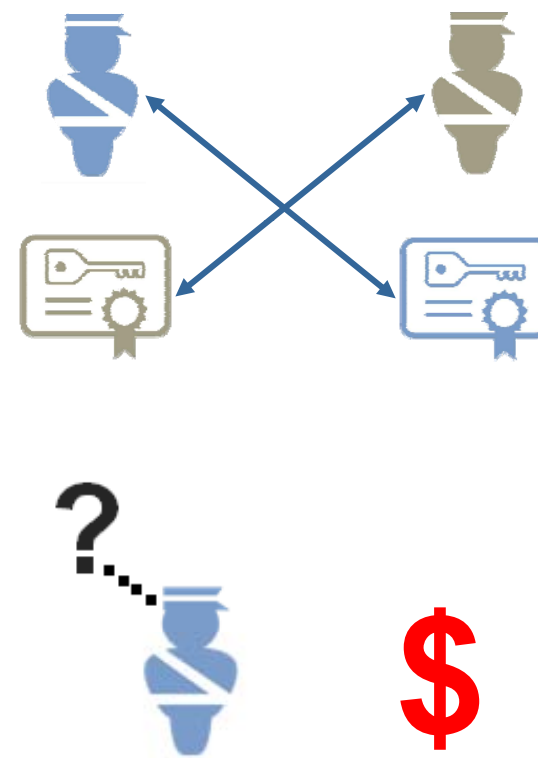
No Issuance without Inspection



And when that time comes....

Effort Associated with:

- Implementation
- Establishing Trust Linkages
- Integration with PKD
- Certificate Key Management
- On-Going Maintenance
- Complexity of 2nd Generation EAC





It can be easier than you think....

Think out of the box

Consider a different model



Leverage the Cloud

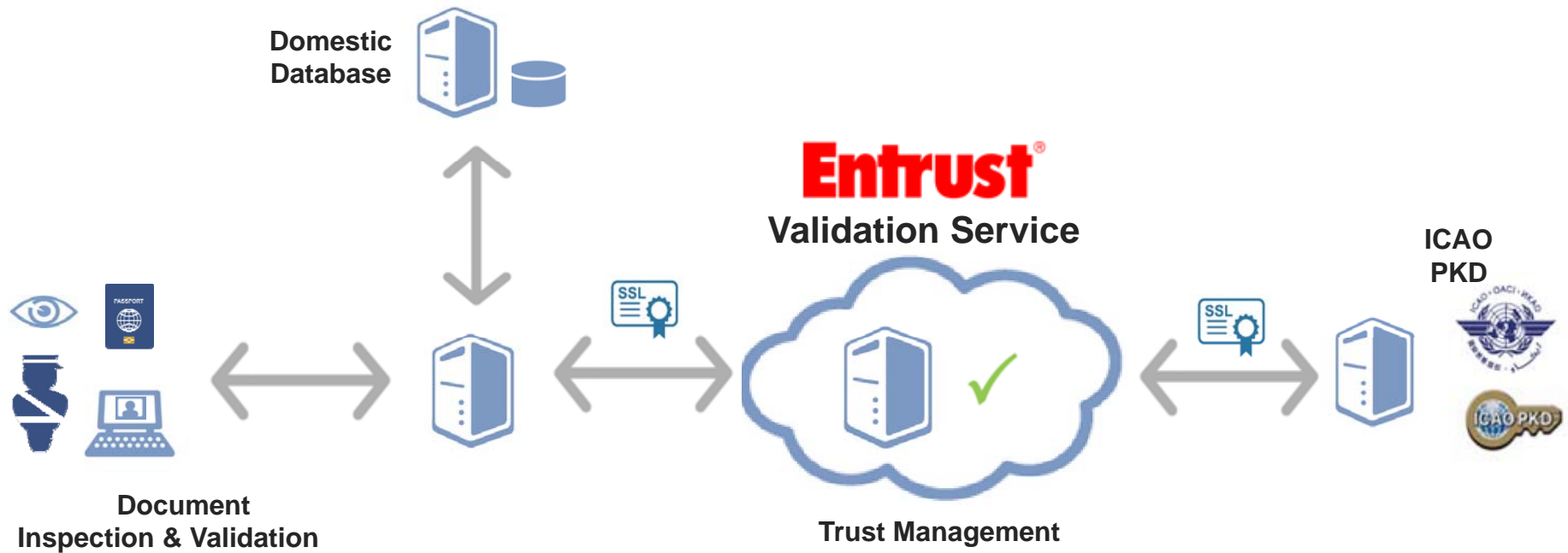
Entrust Validation Service

Hosted Service for 1st & 2nd Generation

- Optional integration to ICAO PKD, Domestic No-Fly Lists
- Compliant with ICAO Standards including BAC
 - EAC as an EU standard
- Based on Entrust's proven PKI Technology
- Improves TCO & ROI

It's Ready...

Entrust Validation Service



Entrust Validation Service

- Domestic Trust of Document Validation Materials
- End-to-End Trust & Integrity
- Integration with Global Authorities
(e.g. ICAO PKD)
- ICAO Compliant Document Verification at Border Control
- Master List & SPOC

Entrust ePassport Technologies & Services

- Country Signing Solution
- Country Verifying Solution
- E-Passport Concentrator
- E-Passport Client
- Master List Signer & SPOC
- Cloud Based Services





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Want to know more?

Stop by our Booth!