

Real-Time Anonymised ID at the point of requirement — a challenge-response approach for an Authority to attest the authenticity of documents and certificates

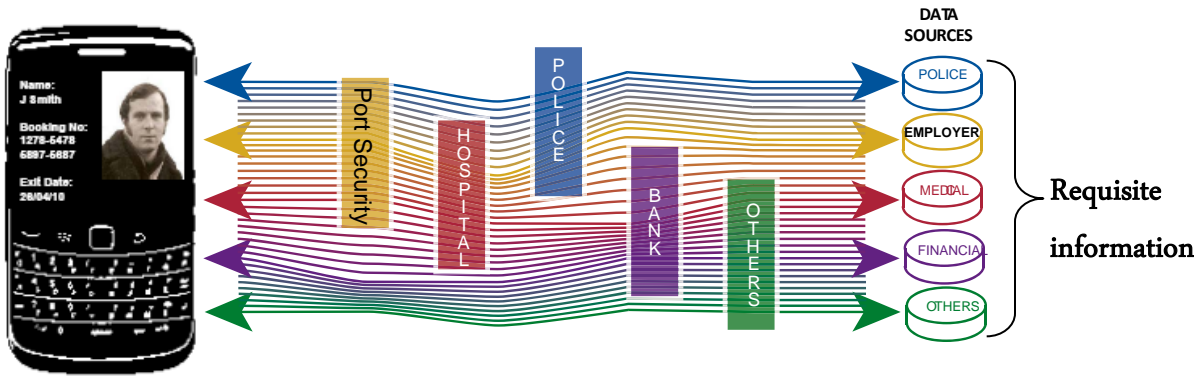
Janusz Adamson
Techmatics

RFID Innovation Express – Partnering Meeting,
27 September 2010



Patents (pending): GB1004391.7 & GB1007468.0

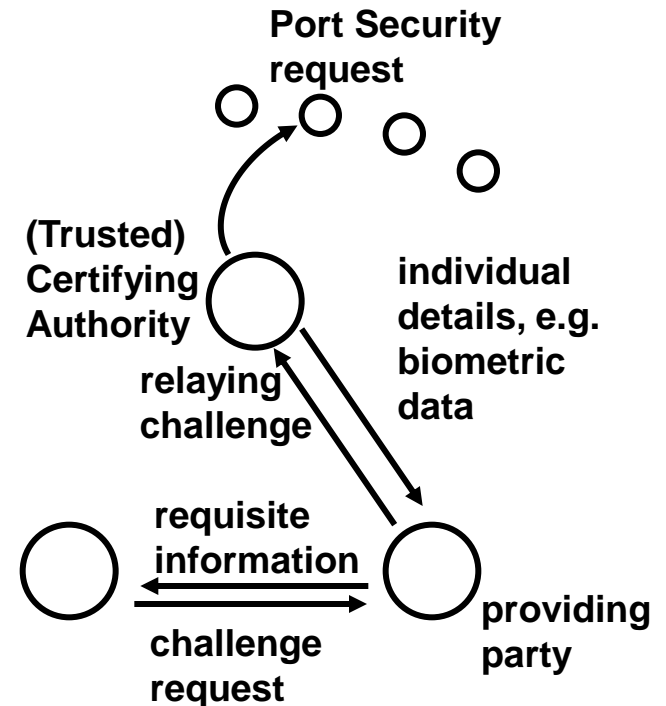
Challenge – Response Process



Development of a secure mobile based electronic records, documentation system to improve:

- People assessment, vehicle throughput and goods manifests checks, and reduce congestion at security checkpoints

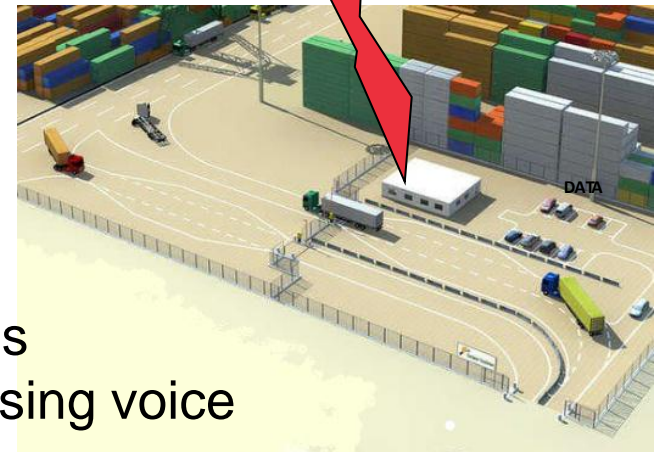
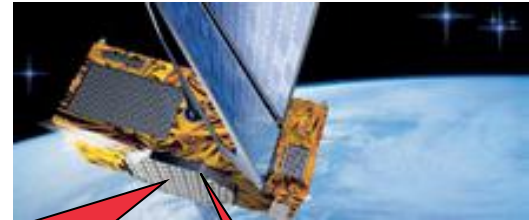
Requesting party e.g. security guard



Pre-notification of vehicle arrival to provide seamless entry/exit at Dock Gate

Pre-warn requesting party (Port Security) of imminent arrival

Port Security activates “challenge – response” process to acquire requisite information



Mobile apps activated using voice recognition

(Trusted) Certifying Authority information provided to Requesting Party (Port Security)

ID Credentials

- Driver's name
- Biometric data
- VBS reference number
- Booking slot date

Vehicle details

- registration
- nationality
- characteristics (class, tonnage, capacity, etc.)
- tracking (no reported deviations, etc)
- intention/purpose (e.g. port entry / port exit)
- employer

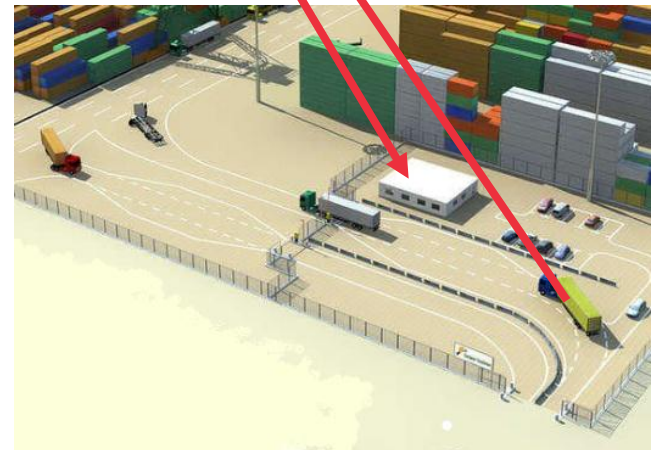
Documentation (translated)

- vehicle/container contents



Pre-requisite information received

Waiting for validation process



Validating requisite information provided to Requesting Party



ANPR confirmation
vehicle registration
driver's facial biometric



Booking 31944 confirmed



| | | | |
|-------------------|--------------------------|------------------------|------------------|
| Company Name | DEBEN TRANSPORT LTD | | |
| Appointment | 10:00 - 10:59 | Wednesday 3rd Oct 2007 | Terminal Trinity |
| Collections | BKED1000003, BKED1000004 | | |
| Deliveries | EEEE0000004, EEEE0000005 | | |
| Current Status | Arrived | | |
| Completion Status | Processed | | |