

Interoperability and First Responders - The UK Experiences

 The National Policing Improvement Agency (NPIA) UK London

Richard Earland CIO
National Policing Improvement Agency
10 Victoria Street, SW1H 0NN
Richard.earland@npia.pnn.police.uk
44 20 7147 8333



Ground to Cover

- The National Brief Home Secretary Objectives
- The Challenge of a federated environment
- NPIA Our Purpose
- Approach towards the Olympics
- Conclusions and Discussion

Role of the NPIA



Supports the Police Service by providing expertise in areas as diverse as

- information and communications technology
- forensic science
- information and intelligence sharing
- core policing processes
- managing change
- and developing our people





Barriers to centralisation

- Political
- Cultural
- Financial



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Home Secretary Key Strategic Priorities for the Police Service for 2008/09:

- Police forces and authorities will make best use of resources, with a continuing commitment to achieve significant cashable improvements in efficiency and productivity.
 - Police efficiency and Productivity Strategy 2008-11- will set out targets for efficiency and productivity targets
- Reducing crime- focussing on more serious violence, serious acquisitive crime, alcohol related crime and anti social behaviour.





Home Secretary Key Strategic Priorities for the Police Service Agency for 2008/09:

- Increase public confidence and satisfaction with the Police Service- with the emphasis on the quality of service provided through neighbourhood policing, effective community engagement and partnership working;
- Work in partnership to deliver a more effective, transparent and responsive criminal Justice System for victims and the public.





Home Secretary Key Strategic Priorities for the Police Service for 2008/09

- Ensure adequate capability and capacity exists to deliver effective policing to tackle serious and organised crime and provide other protective services.
- Counter terrorism and violent extremism by working with local communities as appropriate; protect key sites, disrupt operations; deter terrorism and be prepared to respond to a terrorist attack and its consequences.







ACPO's National Strategic Assessment Update

No significant changes to the national crime picture. The recommendations from the NSA (2007) remain:

- To create a national, standardised information-technology infrastructure. This will make a considerable contribution to reducing bureaucracy, sharing information and managing crime and disorder.
- To assess the capability and capacity of the Police Service—
 The requirement to undertake an assessment and gain a balance of the demands on policing has been reinforced within the last 6 months.

 Increasing demands in many areas require the management of resources to be intelligence led as well as informed by predictions based on previous experience.



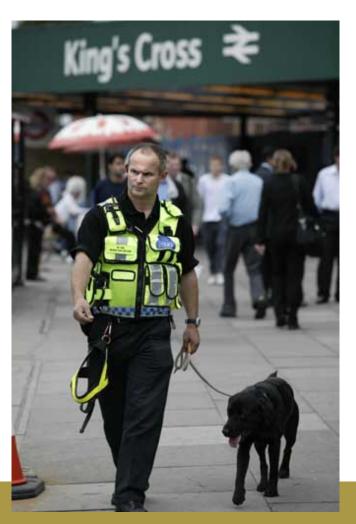
Challenges on the Horizon

- Adapting to and effectively tackling new and emerging crime trends- gangs, guns, knife crime; human trafficking; new technology; cross border;
- Managing increased demands within existing resources;
- Balancing local priorities and meeting regional, national and international challenges;



Challenges on the Horizon





- Dealing with critical incidents;
- 2012 Olympics;
- Interlink with the wider Criminal Justice System;
- Managing Risks- both day to day and critical incidents;
- Developing a professionalised workforce.

Supporting improvement by building on current transformed Agency delivery

- Delivering an integrated national information sharing and intelligence capability for 2010 with the PND and MoPI.
- Modernising the workforce by continuing to modernise workforce structures and working practices.
- Supporting the citizen focused objective through neighbourhood policing.



Supporting improvement by building on current National Policing Improvement Agency

delivery

- Using new technology & the ability to work differently to improve delivery i.e. electronic fingerprinting, mobile data
- Supporting the police service understanding of new communities & their impact through neighbourhood policing and continuing work with the Trust and Confidence Panel.



Tri-Service interoperability



Setting the standard for
Command - Control - Coordination
Phase 1: Radio Communications for a
21st century response to Major Incidents



9-11 Key Lessons Learned



Communications Resilience

- Mobile phone network compromised
- Landlines compromised
- Underground coverage non-existent

Compatibility

- Inter-Agency communications incompatible
- Complex mutual aid coordination

Command and Control

- Communications impeded coordination
- Resilience is a necessity



7-7 Key Lessons Learned



Communications Resilience

- Mobile phone network congested
- Emergency Services' heavy reliance on mobile phones
- Underground communications required "special coverage solutions"

Compatibility

- Inter-Agency communications incompatible
- Impact of ACCOLC

Command and Control

- Coordination multiple scenes
- Coordination evacuation
- Coordination Casualty Bureau
- Value of a well exercised command structure



Interoperability



21st Century Threats – "new normality"

- Terrorist Attack
 - Large scale with multiple sites
 - CBRN



- Environmental
 - Flooding



- Epidemic and Pandemic Response
 - Avian Flu
 - Blue Tongue
 - Foot and Mouth





Interoperability



Public expectations of Emergency Services

- Capacity
- Capability
- Competence

to respond effectively to 'set piece' incidents.





Interoperability



Command - Control - Coordination

Identifying the Benefits

the effective and efficient management of complex incidents



Classes of Interoperability



Major Incident - Civil



- Single Service/Agency Lead
- Organisation design based on Command and Control in a Bureaucracy
- Organisational Improvement is incremental
- First responders know what their needs are

Classes of Interoperability



Major Incident - Terrorism





- Multiple service/agency leads
- Organisational design based on Command and Control in an adhocracy
- Organisational Improvement requires a step change
- First responders are learning about collective requirements

Interoperability - lessons



Major Incident - Crime

"The lifeblood of any operation like this is communications. You know you're supposed to be in charge and you just don't have any information. I just felt helpless for most of the afternoon."

Sir Charles Pollard (CC Thames Valley – August 1987)



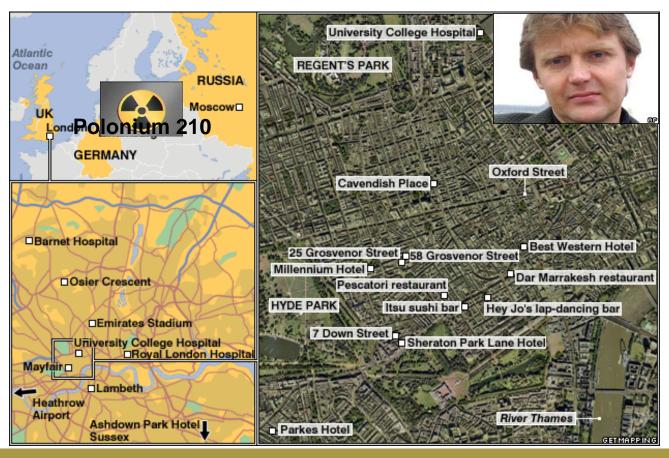
Michael Ryan, a 27-year-old unemployed labourer went on the rampage through the streets killing 16 people, including his own mother, before shooting himself in the head.

Hungerford Massacre

Interoperability - lessons



Major Incident - CBRN





Boscastle 2007



www.ukfssartdogteams.org.uk



www.telegraph.co.uk

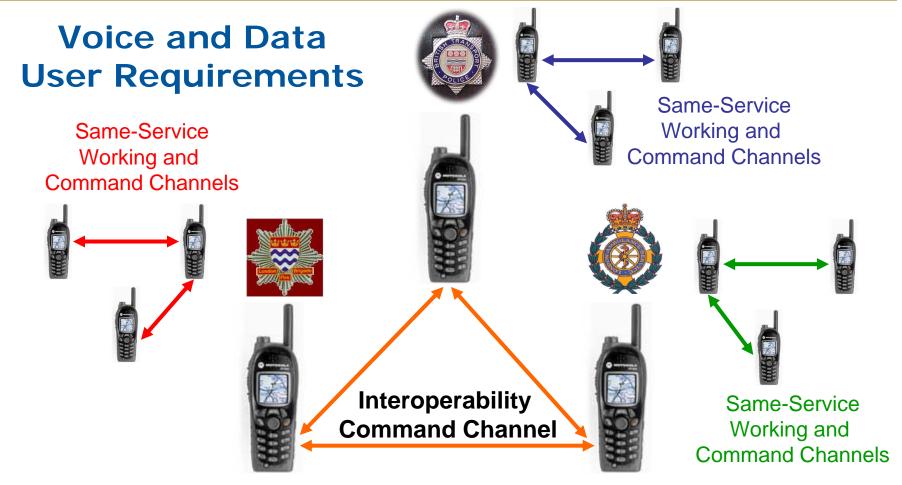


Key Issues

- Can we communicate Classes of Interoperability
- Can we Identify people on the street
- Is the 'Design' of work fit for purpose
- Can we manage in a 'federated world'
- Any capability needs to work for the front line worker FIRST.

Interoperability - Bronze+





Where are we now?

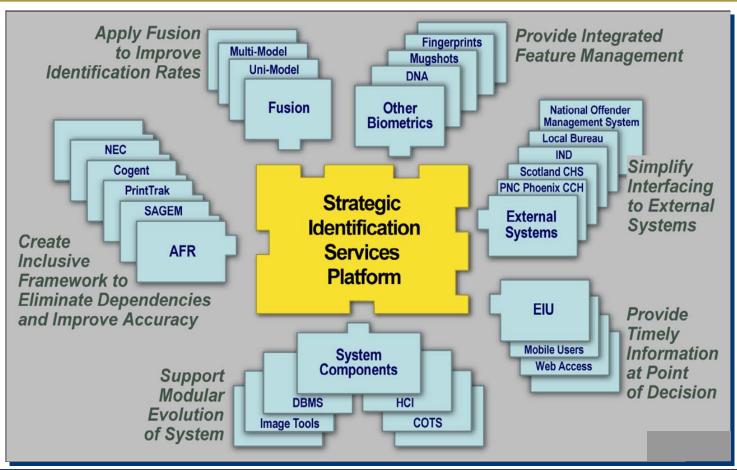


- Civil Contingencies Act mandate
- Civil Contingencies Secretariat governance
 - Regional & Local Resilience Fora exercising resilience
- Emergency Services procured Airwave
 - Common radio communications platform (Cat. 1 & 2)
 - Implementation on London Underground
- Peter Neyroud, NPIA CEO SRO
 - Tri-Service Interoperability Programme



IDENT1 Strategic Identification Services Platform





"IDENT1 represents the core of a Strategic Identification Services Platform (SISP) for integrated services in support of the larger criminal justice community."



What is IDENT1 Now?

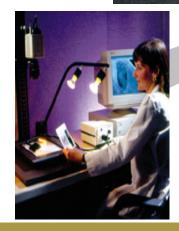
Police Office

- 461 Livescan units
- Connected to England, Wales & Scotland
- Open architecture









51 Bureau sites across G.B.

- Server, scanners, workstations
- · High system availability
- 24 x 7 Help desk support
- Fast response times

Central sites

- National finger and palm database
- Multi registration and plain impressions
- Powerful fingerprint matching capability
- CHS/PNC-Phoenix Criminal History records interface



KEY ASPECTS ~ 2007

- Integration of Scotland allows single national searching
- National roll-out of Livescan
- GMCI & Skiddaw provide more opportunity for early identification of latents
- Immigration ASU searching and UK Visa enhancement
- International Interfaces
- Lantern Pilot
- Custody Interface roll out
- PSNI Interface
- East Midlands Collaboration



Interoperability – data fusion



- Mobile broadband
- Mobile information
 Data
 - Building plans
 - Maps
 - GPS location / tracking
 - Biometrics

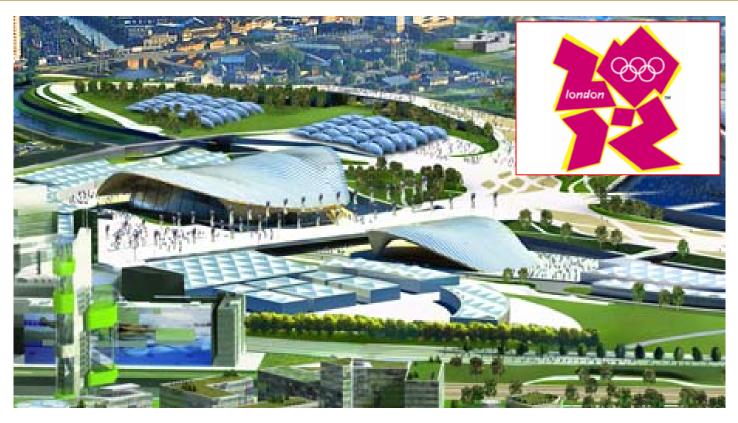
Video Streaming

- CCTV
- Mobile CCTV
- Body Cameras



Interoperability "end-state"





Decisive Condition – multi agency interoperability: supporting a safe, secure and resilient 2012 Olympic Games



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