

ITS(UK) AGM – NZ House

# Security

Mark Cartwright, Chair SyIG

22 May 2007

## Security – the context

- Public safety
  - Terrorist attacks: fortunately rare
  - ‘Volume crime’: pickpockets, muggers etc
  - Perceived security: loitering, graffiti etc
- Enforcement
  - Parking restrictions
  - Revenue protection
  - Speed limits, red-light running etc
- Systems
  - Data protection
  - Hacking and viruses

## Security – the opportunities

- ITS role
  - CCTV, number plate recognition and personal identifiers as a security tool as well as a transport tool
- Prevention
  - Deterrence or apprehension pre-commission
- Aftermath management
  - Contingency planning and rehearsal, including public information
  - Working with the criminal justice system

## Security and privacy

- Rapid development of technologies which make it increasingly easy to identify and track individuals
- Many systems will capture, store and analyse identity information, and the use (or abuse) of these systems will infringe on privacy
- Expansion of popular systems (Oyster, location-specific services, real time safety camera alerts)
- Public attitude is the driving environmental force
- Limitations on what intrusion is permissible – not always easy to draw the line

## The SylG

- Chairman
  - Mark Cartwright
- Hon. Secretaries
  - Mark Beecroft (University of Southampton)
  - Natalia de Estevan-Ubeda (TfL)
  - Nigel Wall (Shadow Creek)
- Membership/attendance
  - Security systems industry
  - Branches of Government
  - Key transport operators

## SyIG Terms of Reference

- 1) To consider how ITS may be used to provide or enhance transport security, and personal/national security more generally
- 2) To consider the technical/operational security issues involved in the use of ITS, and what can be done to address them
- 3) To help ITSUK members from all parts of the community to come together in order to share experiences and make contacts
- 4) To help identify areas within its remit where there is need for new policies and practices, and to encourage such action

## 9 June 2006

- Theme: the national framework for transport security
- Security: a policy perspective – Phil Williams, DfT Transec
- Protecting against the vehicle borne threat – Paul Forman, NSAC
- Overview of the electronic threat – Peter Cosford, NISCC
- London 7 July 2005, from a perspective of delivering information to end-users – Paul Hutton, Trafficlink; Es George, TfL; Tim Hilgenberg, Serco

## 30 November 2006

- Theme: towards the delivery of transport security
- The Collaborative Research work of ACPO ITS – Jim Hammond, ACPO ITS
- The Cyber Security Knowledge Transfer Network – Sadie Creese, KTN Manager
- Critical Infrastructure Protection and Personal Privacy – Ian Brown, Communications Research Network
- The 2012 Olympics – a topic for the SyIG? (Discussion)

## Issues for the coming year

- Research activities around the UK
- Towards an Olympic ITS-enabled security framework
- Security in the freight world (joint activity with FIG)
- Coordinating the use of imagery (joint activity with LAUIG)
- Information security – data integrity, denial of service etc
- Integration – the national ITS Technical Framework