Cyber Security: Transportation Systems

A positioning event to enhance your knowledge of transport security solutions

21 June 2012 | Hallam Conference Centre, London, UK

Please note this programme is a work-in-progress. Unless stated as confirmed, speakers are in the process of being invited. Topics, subjects and speakers are subject to change

Question and discussion time has been built into the day to ensure you have the opportunity to share solutions and discover answers to the challenges you face.

09:00	**Registration and refreshments**
09:30	**Chairman's opening remarks** **Stephan Freeman, Information Security Strategy Manager, Transport for London (TFL)**
09:40	**Government view on transport security** ▪ How interconnected are we now? ▪ Where are we heading? ▪ Issues facing transport in the future **CPNI Advisor – Transport Sector**
10.15	**Common security challenges facing those protecting systems across the transport sector** ▪ Common elements of the problems that occur securing Road, Rail, Air and Sea transportation systems ▪ What differentiates them from other secure systems for banks or government agencies? ▪ The challenges this poses, especially for systems with a safety critical function **Tony Bull, Specialist in Cyber Security for Mission and Safety Critical Systems, Notitia Salu Ltd**
10:50	Refreshment break & networking
11:10	**Security threats to the European Rail Traffic Management System (ERTMS)** **Robert Stroud, Senior Consultant, Adelard**
11:45	**Secure Gateway Architectures: A practical approach** ▪ Control Systems in the underground ▪ Threats to Control Systems ▪ Threat Control Measure: o Security Gateway Architectures o Security Gateway Architectures – Issues o Security Gateway Architectures - LU Experience o Security Gateway Architectures - Nirvana **Anthony Cross, Control & Information Asset Engineer, CPD, London Underground**
12:20	Lunch and networking opportunity
13:20	**How functional safety contributes to vehicle resilience** ▪ Explore the similarities for managing safe and security risks ▪ Past, present and future of in-vehicle and on-road safety systems ▪ When safety and reliability are not enough for successful global connectivity ▪ Essential key points to address for vehicle to vehicle, vehicle to infrastructure, vehicle to communications

	Dr Ireri Ibarra, Functional Safety Consultant, MIRA Limited
13:55	**Understanding the risks posed by high-tech theft methods in the automotive industry** ▪ Exploring how thieves are stealing cars without the original key ▪ Try to quantify the current level of high-tech theft and how this varies by region ▪ Looking forward to see what other methods criminals may use in the future and the threat these pose **Chris Vargyas, Senior Project Manager, Secured by Design (SBD)**
14:30	**Cyber challenges and business benefits through mobile devices** ▪ Who are Logica? ▪ Transporting Logica ▪ Any old mobile device or not? ▪ Questions? **John Sheppard, Principle Senior Architect, Logica**
14:45	Refreshment break & networking
15:05	**Aviation Security** ▪ A review of the threats to aviation security, and what can be learnt from them ▪ The Office for Security & Counter-Terrorism (OSCT) Technology Demonstrator investigation into Aviation Security ▪ Innovation & technology exploitation with the goals of improved security, increased revenue, and enhanced passenger experience ▪ A new philosophy and systems approach to delivering aviation security in the 21st century **Prof Adam Ogilvie-Smith, Aviation Security Expert and Visiting Professor at Robert Gordon University**
15:40	**Panel Q&A: What are the lessons learnt from the safety critical industries?** **Moderator: Stephan Freeman, IM Security Manager, Transport for London (TFL)** **Panellist include:** **Dr Ireri Ibarra, Functional Safety Consultant, MIRA Limited** **Tony Bull, Specialist in Cyber Security for Mission and Safety Critical Systems, Notitia Salu Ltd** **Prof Adam Ogilvie-Smith, Aviation Security Expert and Visiting Professor at Robert Gordon University** **Dr Richard Piggin, Cyber Security Manager, Atkins**
16:15	**Chairman's Closing Remarks** **Stephan Freeman, IM Security Manager, Transport for London (TFL)**
16:20	**Close**