



Stephen Wilson **Cyber security consultant**

Stephen Wilson is a leading authority on cyber security, electronic authentication, online risk management and privacy. For over 17 years Stephen has provided security research, analysis and advice to organisations throughout the Asia Pacific in the finance, government and healthcare sectors. He specialises in ID fraud, card security, identity theft, PKI and smartcards. He has published and spoken widely on all issues relating to digital identity. See also <http://lockstep.com.au>.

Career summary

2004-now Lockstep Group – Managing Director and Principal Consultant
2001-2003 SecureNet – Chief Security Specialist & Professional Services Manager
1999-2001 PricewaterhouseCoopers beTRUSTed – Director of Strategy & Policy
1997-1999 KPMG Consulting – Associate Director, Certification Authority
1995-1997 Security Domain – Software Development Manager
1993-1995 Teletronics (USA) – Head of Software Engineering
1992-1993 Teletronics (USA) – International Strategic Product Marketing Manager
1987-1992 Teletronics – Senior Software Engineer, Team Leader, Section Head
1986-1987 CSIRO Division of Wool Technology – Experimental Scientist.

Selected experience – consulting and advisory bodies

- **Dept of Primary Industries (Vic):** Privacy Impact Assessment on smart meter program (2011)
- **National Authentication Service for Health:** TRA; Acting PKI Manager (2011-12)
- **Dept of Foreign Affairs & Trade Australian Passport Office:** Privacy Impact Assessment on new online passport application systems (2010)
- **Australia Post:** Trust & privacy framework, Threat & Risk Assessments (2008-10)
- **Macau Bureau of Telecomms Regulation:** PKI cross recognition strategy (2008)
- **Australian Government Info Management Office:** drafted and edited the National Smartcard Framework (2005-06)
- **Australian Government Info Management Office:** undertook major strategic review & process reform of “Gatekeeper” national PKI framework (2004-05)
- **Westpac Trust Centre:** developed a smartcard product strategy and PKI compliance plan for a proposed shared authentication infrastructure utility for the banking industry (2006-07)
- **Singapore Infocomm Devt Authority:** National Authentication Framework (2006)
- **eASEAN:** harmonised authentication legal infrastructure across SE Asia (2004-05)
- **World Bank:** wrote an e-security landscape scan across 10 ASEAN nations, and a set of smartcard capability building proposals for Malaysia and Thailand (2005)
- **APEC eSecurity Task Group:** member; major contributor to APEC’s Electronic Authentication Guidelines; member of Australian delegation to TEL meetings in Singapore, Indonesia, Port Moresby, Lima Peru, Canberra (1998-2004)

- **ANZ Bank:** undertook a detailed gap analysis of security procedures and policies, and developed a remediation plan (2002-3)
- **Standard Chartered Bank Singapore:** led an international survey of e-business laws and regulations in 20 countries where the bank operated, to determine compatibility with the Identrus scheme rules (2001)
- **Gatekeeper PKI Policy Committee:** Independent consultant member (2004-now)
- **National IT Testing Accreditation Advisory Committee:** member (2005-now)
- **Standards Australia Information Security Committee:** members IT 12-4 (2004-now)
- **Australian Law Reform Commission Technologies Committee:** member (2007-08)
- **OASIS International PKI Adoption Technical Committee:** Chairperson (2007-08)
- **Asia PKI Forum:** OASIS Liaison Representative (2005-08)
- **Hong Kong Stock Exchange:** authentication specialist assisting with an ISO 17799 security review for all core systems (2002)
- **PricewaterhouseCoopers Cryptographic Centre of Excellence:** Led the Asia Pacific Chapter of the biggest private sector team of cryptographers in the world (2000-01)
- **Identrus:** led the development of the *Starterpak* documentation system, designed to expedite Identrus *Express* customer implementations (2001)
- **New Zealand Bankers Association:** worked with member institutions to develop an industry strategy for PKI, delivering an analysis and options paper detailing shared infrastructure and bank-owned alternatives (2000)
- **Australian Stock Exchange:** developed an enterprise PKI strategy and trust model for ASX, including executive awareness training and consultative workshops to analyse core systems and new apps (1999)
- **Hong Kong Certification Authority Recognition Office:** led the international team selected to establish a new regulatory body for authentication services (1999).

Selected publications & presentations

- **Annual PCI-DSS Summit:** Panellist, presenter and Chair, 2010, 2012
- **Online Banking Review:** Wrote a bi-monthly column for this award winning banking publication continuously for eight years, on risk management, fraud, card security, identity theft, smartcards, and privacy 2003-11
- **Australasian Cards & Payments Summit:** invited speaker on CNP fraud, cards and identity technologies 2009, 10, 11
- **6th International Asia PKI Symposium:** *Embedded PKI*, Chengdu 2006
- **5th International Asia PKI Symposium:** *Relationship Certificates*, Beijing 2005
- **China Communications:** *The importance of PKI today*, December 2005
- **Asia PKI Forum:** PKI lessons from Australia Tokyo 2005
- **Taipei International PKI Conference:** Experts Panel on *Data Protection and Privacy*, 2005
- **Hong Kong PKI Forum Conference:** *Re-thinking PKI*, Hong Kong, 2003
- **St George Bank Annual Fraud Conference:** *Smartcards and identity theft* 2003
- **Asia Business Law Review:** *Comparison of Authentication Technologies* 2001
- **AFR BankTech Managed e-security:** *A real security ROI?* 2002
- **AFR Online Financial Services Congress:** *Developments in International PKI* 2002
- **CyberPayments Asia:** *Public Key Infrastructure* Hong Kong 1998.