

AUSTRALIAN SECURITY SUMMIT



With thanks....

Dear Colleague,

Our 2nd Australian Security Summit held in Canberra on 21st July was a huge success; attracting over 250 relevant stakeholders from both public and private sector.

Once again the event provided a cost-effective time and place for government officials to hear from international experts, learn about local success stories, benchmark best-practice and engage in peer-to-peer discussion around key topics.

We would like to thank all those that were involved - speakers, sponsors, and delegates - for making time in their diaries to attend and address these important issues.

Unfortunately, national security remains a prevalent concern, and is likely to remain so for the foreseeable future; Public Sector Network remain committed to continually providing you with an opportunity to network with colleagues, showcase your good work, and find strategies to combat this unnecessary evil.

We thank you for your dedication and wish you a successful year ahead.

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National Security Plenary Sessions

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National security has many facets. It relies on technology and it relies on people. It involves both the physical and electronic worlds. It is, ultimately, a compromise – in many cases the issue is getting the balance right.

The plenary sessions looked at the many challenges of national security – the threat of violent extremism, how best to manage Australia's borders, what technologies are needed, hoe they are implemented, education and community involvement, cyber security, the psychology of terrorism and cyber crime.

Views were informed by examples, from Australia and internationally, of what works and what does not. National security is ever changing. The sessions looked for answers, but in many cases uncovered more questions. It is not a destination. It is a journey, and a long one.

Topics ranged over a wide area:

- Community partnerships to reduce risks Local communities are at the front line of terrorist threats.
 The Australian Government has announced a program of working with communities to build resilience to the use or support of violence to achieve ideological, religious or political goals.
- Countering money laundering Money laundering has long been an international crime problem, but its techniques are now being used to finance terrorist groups. From casinos in Macau, to financial institutions in London, to partnerships in Dubai, to Cayman Island shelf companies, the problem is rife. International collaboration is essential.
- How ISIS works Speakers and delegates also explored the organisational structure of terror group ISIS, which British intelligence suggests now has 30,000 foreign fighters from 86 nations including 250 Australians. There are 6,000 from mainland Europe, 750 from the UK, 700 from Indonesia, 100 from Malaysia and 100 from the Philippines.
- International lessons for Australia's cities The threat
 of violent extremism across our region is growing.
 Guarding against such acts is one of the most difficult
 aspects of the continuing fight against terror in all its

forms. This requires a frank and open discourse. The speaker panel discussed how to protect our cities from future terrorist attacks, with international experts discussing how they have tackled these challenges in America, Europe and SE Asia.

- Danger on the high seas Australia's vast maritime domain includes 11 per cent of the world's oceans.
 Covering 45 million square kilometres, it contains small pockets of high-value targets, including oil and gas installations off the north-west coast, and a high concentration of cruise liners. This is infrastructure vulnerable to acts of terrorism.
- Systems interoperability The need for a coordinated response leveraging the strengths of both public and private sectors to validate identity in a comprehensive, consistent and cost effective manner based on industry standards, technologies, and best practices.

Australia has implemented a number of national security strategies – a National Counter-Terrorism Plan, an Australian Cyber Security Centre, a data retention regimen, and a Trusted Information Sharing Network (TISN) for Critical Infrastructure Resilience, which provides an environment where business and government can share vital information on security issues relevant to the protection of Australia's critical infrastructure—power, water, health, communication systems and banking.

More measures will be needed in future. Most speakers stressed the ever-changing nature of security threats, and the need to constantly update counter measures and technology. The price of liberty, as they say, is eternal vigilance.

The conference was fortunate in the calibre of speakers it attracted. Virtually all relevant Australian agencies were represented, usually at the very highest level, and a large number of senior and experienced international figures also attended. Their presence, and what they had to say, confirmed the international nature of the security threat. This is the most global of issues.







SPEAKERS



Greg Moriarty, Commonwealth Counter-Terrorism Coordinator, Department of Prime Minister and Cabinet



Commander Richard Walton, Former Head of Counter Terrorism Command (SO15), Metropolitan Police (UK)



Deputy Commissioner, Catherine Burn, Specialist Operations, NSW Police



William Searcy, Former Assistant Director, FBI & Vice President, Global Justice, Law Enforcement, and Border Security at Unisys (USA)



Peter Leahy AC, Director, National Security Institute, University of Canberra



Professor Rory Medcalf, Head of the National Security College , Australian National University



Clive Lines, Deputy Director Australian Signals Directorate



Roman Quaedvlieg APM, Commissioner, Australian Border Force, Department of Immigration and Border Protection



Katherine Jones, Deputy Secretary, National Security and Policy, Department of the Attorney General



Chris Dawson, Chief Executive Officer, Australian Crime Commission



Dr Rohan Gunaratna, Professor of Security Studies, Head of International Centre for Political Violence and Terrorism Research, RSIS (Singapore)



Aidan Tudehope, Managing Director, Macquarie Telecom



Assistant Commissioner, Alistair Dawson, QLD Police



Anooshe Mushtaq, Research Associate - Countering Violent Extremism, Australian Security



Rod Cowan, Strategic Advisor emirates/eCU Centre for Aviation and Security Studies



Dr Greg Barton, Research Professor and Chair of Global Islamic Politics, Alfred Deakin Institute for Citizenship and Globalisation



Levi West, Director of Terrorism Studies; AGSPS@CSU - Australian Graduate School of Policing and Security, Charles Sturt University







Border Security Challenges





Australia faces multiple challenges in securing its borders. It needs to monitor and protect a vast expanse of ocean and often unpopulated and difficult terrain, where the deployment of standard solutions is impossible.

Despite these challenges, Australia cannot afford to be isolationist. Australia's future depends upon its need to embrace globalisation and interconnectedness, and more efficient international supply chains. Australia benefit greatly from the economic, social and cultural enrichment that comes from playing an active role in the global community.

Enhanced border security is fundamental for regional security and the fight against terrorism, human trafficking and the illicit drug trade. At the same time, Australia's border management systems need to expedite the passage of legitimate travellers while having mechanisms in place to target persons-of-interest for additional examination, including Australian and foreign would-be fighters heading for the Middle East.

Sessions discussed the three key elements of border management:

- Who (the traveller)
- What (the physical and digital features of the travel document)
- Where (traveller's flight history).

Countries and border agencies need to have a trusted infrastructure in place to electronically validate these

elements at the borders, using such technologies as electronic passports, biometrics and other line-ofbusiness systems.

There were also important conversations around the relevance of physical versus digital identity. The consensus was that physical credentials will remain prevalent in the immediate future, with the best security consist of both physical and digital identities, to form a stronger credential.

But it is not all about enforcement and compliance. Border management has a strong facilitation role, ensuring a consistent flow of goods and people. This contribute to Australia's prosperity and our social cohesion. This involves a layered defence role – intelligence and data analytics play a huge part in our capacity to identify threats across that stream of people entering and leaving the country.

This is a also represents a major opportunity. With an increased focus on passenger facilitation and intuitive border management systems, operators can realise consistent, automated and speedy checks across the busiest of borders, actually enhancing the user experience.

SPEAKERS



Allan Briggs, Managing Director, Briggs Communication



Dr John Coyne, Head of Border Security, ASPI



Joe Franzi, First Assistant Secretary Identity & Biometrics Division, Department of Immigration & Border Protection



Dr Dalbir Alhawat, Senior Lecturer, Department of Security Studies and Criminology, Macquarie University



Clive Murray, Assistant Commissioner, Strategic Border Command (SBC, Australian Border Force (ABF)







Ensuring Security for our Cities and Critical national infrastructure

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Large and increasingly dense urban environments pose many risks to public safety, from petty crimes to homicides to terrorism. Critical infrastructure is also at risk, from natural disasters and terrorism.

Governments at all levels need to coordinate their efforts to keep citizens safe, informed and alert, all with finite resources. As cities grow in scale and intensity these challenges are increasing. To ensure safer communities, cities need to respond smarter and faster to a growing number of threats, and to provide for their citizens during times of need.

But it can be difficult to address these issues in the face of financial constraints, administrative complexity, political pressures and public expectations of a rapid return on investment. Lone wolf and organised acts of terror are becoming more prevalent, and policing the terrorist threats is paramount ensuring our safety.

This session presented case studies and strategies employed across Europe, SE Asia and Australasia to combat these threats to urbm and other infrastructure, especially important in the light of recent attacks. Keeping abreast of rapidly evolving and changing security threats is a complex challenge for today's national security agencies.

Increasing urbanisation creates many new challenges, from the need to modernise aging infrastructure to meeting the demands for natural resources; from leveraging massive amounts of data from the Internet of Things to improving the health and safety of citizens.

This is all unfolding in the midst of increasing migration, within and between countries. By 2050 more than 70 per cent of the world population will live in urban areas, accounting for an additional 2.7 billion urban dwellers. While the need to do more with less is evident, it is imperative to broaden today's conversations around smart cities

For urban communities to prosper they must succeed in responding faster and smarter to threats, in engaging more comprehensively with their citizens, and in supplying infrastructure and services that making cities safer and more liveable.

SPEAKERS



Simon Hill, National Security Industry Lead,





Peter White, General Manager, Transport Security Operations, Office of Transport Security, Department of Infrastructure and Regional Development



Assistant Commissioner Neil Gaughan, National Manager Counter Terrorism, Australian Federal Police



Assistant Commissioner Ross Guenther, Head of Counter Terrorism, VIC Police



Detective Superintendent Bill Graham, Detective Superintendent, Queensland Police



Gordon Dojcinovic, Commander of the Protection Unit, Coordinated Responses Group, NSW Police Force







National Security Intelligence & Analytics

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Protecting our nation from threats is impossible without analytics and other security technologies that play an important role in building effective intelligence strategies.

With increasingly large quantities of data being generated and collected on a daily basis – across multiple channels - by many organisations, the need to translate this into actionable insights is critical. In the era of big data and the Internet of Things, where every officer and vehicle carries a range of sensors, the ability to turn historical and real-time data into actionable insight is critical to the execution of modern security strategies.

Over 80 per cent of all data now contains a location component. Analysing geographic information provides a basis for everyone – from crime analysts and investigators through to patrol officers and commanders – to visualise data in ways that helps them identify, predict and ultimately reduce terrorism and crime.

Equipped with advanced location-based analytics capabilities, police and domestic security agencies are able to make quicker decisions, to collaborate better,

and to disseminate information much more easily and efficiently, supporting their collective mission to build safer communities.

Security analytics is becoming a discipline in its own right, with unique analysis techniques optimised to identify threats and potentially dangerous patterns of behaviour. This stream focused on the intelligence, technology and analytics capabilities that are needed by organisations in order to combat security threats.

The emphasis throughout was on practical solutions – big data, data mining, advanced and predictive analytics, and the tools and techniques that accompany them. Many of the tools that are being developed come out of the private sector – more than most aspects of security, analytics relies on the cooperation of government, academia and the business community.

SPEAKERS



Joel Nation, Solution Architect, Oracle



Dr Elena Sitnikova, Senior Lecturer, Critical Infrastructure Protection Research Leader , UNSW



Bob Connell, Senior Software Engineer, Semantic Software



Dr John Hardy, Lecturer of Intelligence Studies, Australian Graduate School of Policing and Security Charles Sturt University



Dr John Langdale Associate Professor, Department of Security Studies & Criminolgy, Macquarie University



Stephen Fitzsimmons, Account Executive ANZ Government, Cloudera







Cyber Security, Cyber threats, & Cyber Crime

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An increasing amount of criminal activity occurs online, in many forms. Cyber crime now costs Australia well over \$1 billion a year, diverting funds from the legitimate economy and affecting hundreds of thousands of people.

The 2015 Australian Cyber Security Centre Report states that "The cyber threat to Australian organisations is undeniable, unrelenting and continues to grow." Cyber security is a competitive and fast moving high tech arms race, which is simultaneously a very human, people-based activity. Understanding and integrating the technological and human aspects is essential to any strategy to fight cyber crime.

It is critical that Australia has the capacity and capability to combat cyber crime, through the development of specialist capabilities and training. The Australian Criminal Intelligence Commission (ACIC) was formed on 1 July 2016 to help deliver a safer Australia, a country that is that is better connected, more informed and more capable of responding to crime and criminal justice issues.

ACIC is Australia's national criminal intelligence agency with investigative, research and information delivery functions. Combatting cyber crime is one of its chief aims. It identifies two types:

- crimes where computers or other information communications technologies are an integral part of an offence, such as online fraud, identity theft and the distribution of child exploitation material.
- crimes directed at computers or other ICT systems, such as hacking or unauthorised access to data.

Three of the most common threats highlighted at the conference were Credential Harvesting Malware, Ransomware, and DDoS extortion. Delegates agreed that, while the full extent of the threat is unknown, Australia must be vigilant and proactive in its approach to cyber security, investing resources to meet the challenges of a complex cyber environment.

Cyber criminals will continue with proven tactics so long as they are working, even as more defences are in place. They are constantly testing those defences, looking for the access points that have not yet been closed. As one door slowly closes another, all too often, opens.

Curbing cyber crime is not only about seeking resolution via identifying and prosecuting cyber criminals. Other key elements are the mitigation and target-hardening, disruption and deterrence, and general education and awareness.

SPEAKERS



Jon Clay, Cyber Security Expert, Trend Micro Global



Brad Fallen, A/Assistant Secretary Cyber Policy | Office of the Cyber Security Special Adviser, Department of the Prime Minister and Cabinet.



Detective Superintendent Glyn Lewis, National Coordinator Cyber Crime Operations, Australian Federal Police



Professor Richard Buckland, Associate Professor in Computer Security, Cybercrime and Cyberterror, UNSW



Dr Jackie Craig, Chief Electronic Warfare and Cyber Division, DSTO, Department of Defence



Michelle Price, Senior Adviser, Cyber Security, Australian National University





In Attendance

Adelaide Business School
Professor of Software Engineering

Australian Federal Police A/Coordinator Joint Counter Terrorism Team

Australian Federal Police Team Leader Counter Terrorism Business Support

ANU National Security College Director Strategy and Development

ASPI Researcher

ASPI

Assistant Editor ASPI Strategist

Attorney General's Department Principal Project Officer

Attorney Generals Department Assistant Director, Emergency Management Australia

Attorney Generals Department Senior Capability Coordinator

Attorney Generals Department Senior Information Officer, Australian Government Crisis Coordination Centre

Attorney Generals Department Director, Australian Government Crisis Coordination Centre

Attorney Generals Department Senior Information Officer, Australian Government Crisis Coordination Centre

Attorney Generals Department Project Manager

Attorney Generals Department A/g Senior Information Officer, Australian Government Crisis Coordination Centre

Attorney Generals Department Assistant Director, Australian Government Crisis Coordination Centre (CCC)

Attorney-General's Department ASN Operations Manager

Attorney-General's Department Case Officer

Australian Antarctic Division Security & Accommodation Manager

Australian Antarctic Division Group Manager, Business & Property Services

Australian Border Force Inspector Regional Investigations ICEHQ, Investigations Division

Australian Border Force Assistant Commissioner

Australian Border Force Commissioner Australian Border Force Commander

Australian Civil Military Centre Director, Engagement

Australian Civil Military Centre International Policy Adviser

Australian Civil-Military Centre (ACMC) Deputy Executive Director

Australian Civil-Military Centre (ACMC) Executive Director

Australian Criminal Intelligence Commission CEO

Australian Criminal Intelligence Commission National Manager Chief Technology Officer

Australian Criminal Intelligence Commission Acting Manager, Cybercrime

Intelligence

Australian Criminal Intelligence Commission Senior Strategic Analyst (Cybercrime)

Australian Cyber Security Centre Cyber Security Strategic Communications

Australian Cyber Security Centre Cyber Security Strategic Communications

Australian Federal Police Assistant Commissioner

Australian Federal Police Manager of Security

Australian Federal Police Team Member, Counter Terrorism

Australian Federal Police Detective Superintendant

Australian National University Director of Strategy & Development - National Security College

Australian National University Director of Strategy & Development, National Security College

Australian National University Professor

Australian Reinsurance Pool Corporation Enterprise Risk Manager

Australian Signals Directorate Deputy Director

Australian Strategic Policy Institute Director, Counter Terrorism Policy Centre

Australian Strategic Policy Institute Head of Border Security

Australian Strategic Policy Institute Researcher

British High Commission Canberra Second Secretary, Foreign and Security Policy

British High Commission Canberra Head, Foreign and Security Policy

Bureau of Meteorology CIO Coordinator

Bureau of Meteorology SHARP Programme Director

Bureau of Meteorology SHARP Programme Manager

Bureau of Meteorology IT Security Advisor

Charle Sturt University Lecturer of Intelligence Studies

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Director of Terrorism Studies, Australian
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Commonwealth Director of Public Prosecutions Assistant Director

Commonwealth Director of Public Prosecutions Assistant Director for Organised Crime and Counter Terrorism

Corrective Services NSW Assistant Superintendent, Corrections Intelligence Group, Security and Intelligence Branch

Corrective Services NSW General Manager, Corrections Intelligence Group, Security and Intelligence Branch

Corrective Services NSW Assistant Commissioner, Security and Intelligence Branch

Counter Terrorism Global Ltd Director

CSIRO Agency Security Advisor

CSNSW Assistant Commissioner, Offender Management and Programs

Deakin university Research Professor

Department of Defence Science Counsellor

Defence Science and Technology Group Director - National Security S&T Policy

Department of Agriculture and Water Resources





In Attendance

Assistant Secretary Targeting and Enforcement

Department of Corrections (NZ) Strategic Intelligence Analyst

Department of Defence First Assistant Secretary ICT Delivery

Department of Defence ICT Auditor

Department of Defence ICT Security Branch

Department of Defence Assistant Secretary Security Intelligence

Department of Defence SSA Nat Security Ops

Department of Defence Assistant Secretary Estate Planning

Department of Defence Chief of Cyber and Electronic Warfare Division

Department of Defence Deputy Director Mobilisation Analysis VCDF Group

Department of Defence Staff Officer NSSTC

Department of Defence Chief Technology Officer - National Security (Acting)

Department of Defence Analyst

Department of Defence Deputy Director Preparedness Requirements VCDF Group

Department of Defence

Department of Defence ICT Auditor

Department of Foreign Affairs and Trade Chief Security Officer

Department of Health Departmental Officer

Department of Health Director - Emergency Preparedness and

Department of Human Services Director, Cyber Security Projects

Department of Immigration and Border

Assistant Secretary

Department of Immigration and Border Protection Assistant Secretary

Department of Immigration and Border

Protection Policy officer

Department of Immigration and Border Protection

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Director Humanitarian Programme Management Section

Department of Immigration and Border Protection Policy Officer

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Director, Irregular Migration & Border Research

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Department of Immigration and Border Protection

Director Assurance and Resilience

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Department of Immigration and Border Protection Director

Department of Immigration and Border

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Director - Syrian Taskforce

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Department of Immigration and Border Protection

Assistant Director National Security

Department of Immigration and Border Protection

Assistant Secretary

Department of Immigration and Border Protection

Director, Traveller Policy

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In Attendance

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Department of the Prime Minister and Cabinet Adviser

Department of the Prime Minister and Cabinet

Senior Adviser Intelligence Policy

Department of Immigration and Border Protection

Assistant Director National Security Strategy

Department of Immigration and Border Protection

Assistant Director National Security Strategy

Detention Operations Border Force Supervisor

DFAT Director

DFAT

First Assistant Secretary

DFAT Director

DIBP Director

DPS CIO

Emirates / ECU Centre Strategic Advisor

Institute for Regional Security Chair - Future Strategic Leader's Committee

Institute for Regional Security Committee member

Law Council of Australia Policy Lawyer

Law Council of Australia Senior Legal Adviser

Lebanese Muslim Association Project Manager

Lebanese Muslim Association Project Manager

Lebanese Muslim Association Lawyer

Macquarie University

Macquarie University Campus Security Manager

Macquarie University Associate Professor

New South Wales Police Force Detective Sergeant New South Wales Police Force Detective Sergeant

New South Wales Police Force Detective Inspector

Northern Territory Police Detective Superintendent

New South Wales Police Force Deputy Commisioner Specialist Operations

New South Wales Police Force Commander Protection Programs Unit, Counter Terrorist and Special Tactics Command

New South Wales Police Force Commander - NSW Police Force -Education and Training Command

NSWPF Counter Terrorism & Special Tactics Command Commander (Superintendent), Terrorism Investigations Squad

NSWPF Counter Terrorism & Special Tactics Command A/Commander (Chief/Inspector), Community Contact Unit

Office of the Inspector-General of Intelligence and Security Inspector-General of Intelligence and Security

Qantas Airways Head of Security

Queensland Police Service Detective Superintendent

Queensland Police Service Detective Superintendent

Queensland Police Service Assistant Commissioner

Queensland Police Service Detective Superintendant

Queensland Police Service Assistant Commissioner

Queensland Police Service Inspector, Principal Advisor

Queensland Police Service Detective Inspector

Queensland Police Service Superintendent

Queensland Police Service Superintendent

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Graduate - Master of Policing Intelligence and Counter Terrorism

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University of NSW Associate Professor

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Victoria Police Detective Senior Sergeant -Victoria Police - Counter Terrorism Command

Victoria Police Detective Superintendent - Victoria Police Counter Terrorism Command

Victoria Police Superintendent Paul Rosenblum | Agency Security Advisor

Victoria Police Executive Advisor to Assistant Commissioner

Victoria Police Assistant Commissioner

Victoria Police Senior Sergeant (Centre for Incident & Emergency Management)

Victoria Police Assistannt Commissioner, Intelligence and Covert Support Command

Victoria Police Superintendent People Development Command Operational Safety





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