Introducing the leading forum for CBRN-E professionals in Asia Pacific

CBRN-E Asia-Pacific

Preparing for the Modern Threat

11th & 12th April 2011
Grand Copthorne Waterfront Hotel, Singapore

CONFERENCE HIGHLIGHTS:
✓ Attend a dedicated CBRN-E forum unique to Asia Pacific
✓ Hear the latest prevent and prepare case studies from key nations in Asia Pacific
✓ Stream sessions will let you pick and choose which focus sessions are best for you
✓ Interactive panel discussions will let you get your opinion across to the people that matter
✓ Network with an eclectic mix of regional and international CBRN-E experts

OUR INTERNATIONAL LINE-UP OF SPEAKERS INCLUDES:
- Lieutenant General Chalermsuk Yugala, Senior Army Expert (CBRN), Royal Thai Army
- Major General (Professor) Pham Quang Cu, Vice Director General Police Logistics and Technology, Ministry of Defence, Vietnam
- Brigadier General Jonathan Treacy, Commanding Officer, Joint Task Force Civil Support, US NORTHCOM
- Professor Rohan Gunaratna, Head, International Centre for Political Violence and Terrorism Research (ICPVTR), Singapore
- Dr Rajagapolanan Vijayaraghavan, Director, Defence Research and Development Establishment, India
- Dr. Abu Hassan Assari Abdullah, Head of Department, Kuala Lumpur General Hospital, Malaysia
- Kevin Salim, CBRN Expert, Indonesia
- Eric Stevenson, Deputy Director, CBRN Domain, Department of Defence, Australia
- Dr Tetsu Okumura, Office of Assistant Chief Cabinet Secretary for National Security and Crisis Management, Cabinet Secretariat, Government of Japan
- Major Nick Bowden, Officer Commanding, EOD CBRN-E, New Zealand Defence Force

PLUS TWO FULL DAY POST-CONFERENCE WORKSHOPS

Protecting Critical Infrastructure against CBRN-E Terrorism: Singapore Metro Case Study

Countering the Terrorist Threat of an IED with a Chemical Payload

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**DAY ONE  Monday 11th April 2011**

8:30 Registration and Coffee

**OPENING SESSION**

9:00 Welcome Address from the Chairman
Brian Clesham, Principal CBRN Consultant, SVGC, UK

9:10 KEYNOTE ADDRESS
Current and Emerging Threat of CBRN-E Terrorism
- Al Qaeda’s first and second anthrax anthrax
- Jemaah Islamiah’s chemical and biological programme
- CBRN-E Terrorism in a context
- Future considerations
Professor Rohan Gunaratne, Head, International Centre for Political Violence and Terrorism Research (ICPVTR), Singapore

9:40 SPECIAL ADDRESS
Countering CBRN-E Terrorism in Asia Pacific
Bill Patterson, Australian Ambassador for Counter Terrorism

**REGIONAL PREPARE & PREVENT PROGRAMMES**

10:20 Detector Development and Medical Countermeasures
- India’s nuclear and radiological threats and the work of the DRDE
- The Institute of Nuclear Medicine in Delhi and DRDE Gwalior
- Examining organophosphates for pesticides and the link to chemical defence
- Detector development and medical countermeasures
- The technical and testing requirements for the Commonwealth Games – interoperability and lessons learned
Dr Rajagopalavijayanaraghavan, Director, Defence Research and Development Establishment, India

10:50 Networking Coffee Break

11:20 The Vietnamese Experience of CBRN-E
- An overview of the CBRN-E programme in Vietnam
- Current organisation and capabilities
- Coordinating the CBRNE response programme
- Technology and systems integration in Vietnam for CBRN-E response
- Getting the right technology to the right people
- Training for the military and first response teams
- Future capabilities and evolution
Major General (Professor) Pham Quang Cu, Vice Director General Police Logistics and Technology, Ministry of Defence, Vietnam

**STREAM ONE**

Chairied by:
Naoko Noro, Associate Fellow, Research Institute of Science and Technology for Society, Japan Science and Technology Agency

3:30 CBRN INCIDENTS AND THREATS AGAINST METRO SYSTEMS
- The Tokyo Sarin Attacks
  - The attacks in a context
  - What happened on the day?
  - Treating the affected patients on the day – experiences of onsite physician Dr Tetsu Okumura
  - CCTV footage – what does the footage from the day teach us?
  - Going from slow time thinking to quick time doing
  - How Japan has grown stronger after the attacks and current security procedures in place
Dr Tetsu Okumura, Senior Officer on the Countermeasure against NBC (Nuclear, Biological, and Chemical) Threats, Office of Assistant Chief Cabinet Secretary for National Security and Crisis Management, Cabinet Secretariat, Government of Japan

3:40 Seoul Metropolitan Network Service and CBRN Security
- Assessment of current security procedures and protocols in place on the South Korean Subway
- Guarding against CBRN threats and the Daegu subway fire
- Lessons learned following on from attacks against other nation’s metro systems
- Increasing CCTV surveillance in Seoul Metropolitan Network Service
  - Jong Ho Kim, Seoul Metropolitan Rapid Transit Corporation, South Korea

3:50 CLOSING KEYNOTE ADDRESS
Countering CBRN-E Operations in Thailand
- Terrorist use of CBRN-E in Thailand
- Coordinating an effective first response team
- Research and development programmes
- Medical programmes
Lieutenant General Chabernsuk Yugula, Senior Army Expert (CBRN), Royal Thai Army

4:30 Networking Lunch

**STREAM TWO**

Chairied by:
Brian Clesham, Principal CBRN Consultant, SVGC

3:30 CBRN-E MEDICAL COUNTERMEASURES
- Medical Hospital CBRN Defence in an Urban/Megapolis Environment
  - CBRN threats and targets
  - Hospital CBRN operations
  - Case study 1: Tokyo’s subway sarin incident
  - Case study 2: The Goiainca Incident
  - Medical/nursing community – the weak link in CBRN planning
  - 2004 Olympic Games CBRN defence planning – personal experience
  - Case study 3: Singapore’s hospital CBRN defence
- The way ahead
Brigadier General (Ret’d) Ioannis Galatas, Medical CBRN Planner/Senior Asymmetric Threats Analyst, Formally Commandant, 2004 Olympic Hospital CBRN Response Unit, Greece

4:00 Medical CBRN-E Countermeasures in Vietnam
- Overview of activities in the Vietnam National Institute of Hygiene and Epidemiology
- Infectious disease in Vietnam
- Preparing preventive vaccines
- Working with other agencies
- Future steps
General (Ret’d) Le Trung Hài, Vice Director, Military Hospital 103, Ministry of Defence, Vietnam
Professor Dr Phung Duc Cam, Head, National Institute of Hygiene and Epidemiology (NIHE), Vietnam

4:30 CLOSING CEREMONY

5:00 Chairman’s Closing Remarks and Close of Day One

Register online at www.cbrneasiapac.com  •  Alternatively fax your registration to...

**Using Tactical Technologies to Prepare for & Prevent the CBRN-E Threat**
- Training, awareness, coordination and technology – prepare for and prevent the threat
- PDX Basilisk Decontamination System
- PDX Fire Mists
- Cooperation with military partners
- Examples from Operations
Carl Hayton, Engineering Project Manager, Pursuit Dynamics
David Crouch, Principal Scientist, Pursuit Dynamics
DAY TWO  Tuesday 12th April 2011

8:30 Registration and Coffee

OPENING SESSION
9:00 Re-Cap from Day One and Setting the Scene for Day Two
Brian Clesham, Principal CBRN Consultant, SVGC, UK

9:30 INTERACTIVE PANEL DISCUSSION
Coordinating an International Response to the Global Threat of Weapons of Mass Destruction
Chairman: Brian Clesham, Principal CBRN Consultant, SVGC, UK
Panelists:
• Brigadier General Jonathan Treacy, Commanding Officer, Joint Task Force Civil Support, US NORTHCOM
• Eric Stevenson, Deputy Director, CBRN Domain, Department of Defence, Australia
• Dr Rajagopalan Vijayaraghavan, Director, Defence Research and Development Establishment, India
• Assistant Professor Aqab Malik, Department of Strategic and Nuclear Studies, National Defence University, Pakistan and Consultant, National Counter Terrorism Authority, Pakistan
*subject to final confirmation

10:30 Networking Coffee Break

INTERNATIONAL CASE STUDIES

11:00 KEYNOTE ADDRESS
US NORTHCOM and CBRN Civil Support Operations
• US NORTHCOM functions and responsibilities
• Homeland defence, civil support and security cooperation to guard against the CBRN-E threat
• Responding to the effects of a CBRN-E incident after civilian resources have been utilized first and fully
• Interoperability with civilian forces before, during and after a CBRN-E incident
Brigadier General Jonathan Treacy, Commanding Officer, Joint Task Force Civil Support, US NORTHCOM

11:30 Military First Responder: Multi Hazard Protection
• Preparing for the CBRN-E threat
• Demron and multi-hazard protection
• Military first responder – The first line of defence
• Military partners - Case studies and examples
Ronald DeMeo, President and Chief Executive Officer, Radiation Shield Technologies

STREAM ONE
Chaired by: Brian Clesham, Principal CBRN Consultant, SVGC, UK

COUNTER IED

3:30 Terrorist IED Attacks in the Philippines
• The role of the Office of Transportation Security and C-IED
• Terrorists and IED in the Philippines – case study
• Coordinated IED attacks used against transportation and infrastructure hubs – case study
• The daily threat to critical national infrastructure
• Coordinating a response
Colonel (Ret'd) Dante S Dinsay, Deputy Director, Intelligence and Operations Bureau, Office of Transportation Security, DOTC, Philippines

4:00 The Use of IEDs and Analysis of Serial Blasts in Mumbai in 1993 and 2006
• What, when, where and why of the coordinated IED attacks in Mumbai in 1993 and 2006. Detailed analysis with focus on reasons for failure. Coordinated IED attacks against Mumbai
• Lessons for LEA (Law Enforcement Agencies), City councils and public
• Preparedness and capacity building for facing such CBRN threats in metros
• Preventive measures and efficacy
• Protection of critical infrastructure and vital assets
Commodore (Ret'd) Seshadri Vasan, Head, Strategy and Security Studies, Centre for Asia Studies, India & Director Asia Secretariat, Borderpol

STREAM TWO
Chaired by: Katsuhisa Furukawa, Fellow, Research Institute of Science and Technology for Society, Japan Science and Technology Agency

BUSINESS CONTINUITY

3:30 Community Resilience in Singapore
• Preparing the community in Singapore for a CBRN-E attack
• Managing information and public information during a crisis
• Youth Olympic Games 2010 & Formula One – how to educate and prepare for major sporting events in Singapore
• How can we improve?
Dr Moh Heng Goh, President, Business Continuity Management Institute, Singapore

4:00 How the Commercial World is Dealing with the Threat of CBRN-E
• What to look for when preparing and implementing a CBRN-E emergency response and business continuity plan
• Factors for consideration – study, plan, development, and approval, training and drills
• Incident response and support
• Recovering from a CBRN-E disaster
Industry Speaking Slot Required

CLOSING CEREMONY

4:30 CLOSING KEYNOTE ADDRESS
Malaysia’s CBRN Medical Defence Capabilities
• CBRN-E Medical Defence Capability Programme and Committee
• Achieving the vision of the MAFHS – defining the long term strategic plan
• The forward field hospital – laboratory, blood bank, radiology, induction and resuscitation rooms and theatre
• Training doctors and medics in the armed forces
• Case studies from recent operations
Dr. Abu Hassan Assari Abdullah, Head of Department, Kuala Lumpur General Hospital, Malaysia

5:00 Chairman’s Closing Remarks and Close of Conference

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Protecting Critical Infrastructure against CBRN-E Terrorism: Singapore Metro Case Study

Overview:
Attend this workshop where you will receive timely updates on a methodology for risk and threat assessment of critical infrastructure. The assessment will be performed using a real infrastructural object with a relatively high threat level, a metro station. Using the methodology two assessments will be performed, one is fictive a so called zero situation of the metro station where we assume that no countermeasures against CBRN attacks are implemented and one for the actual situation in the station including the active countermeasures. The actual situation which will be assessed during a tour of the facility will be compared to the zero situation. This comparison will show the added value of the countermeasures in terms of lives saved and improved resilience against CBRN attacks.

Andrew Proudlove is a recently retired UK Royal Air Force officer. His last 10 years of Service were spent at NATO HQ, Brussels, where he contributed to the development of NATO’s Nuclear Safety and Surety policies and a new policy to combat WMD proliferation.

Rutger Gaasbeek participated in a number of projects related to threat and risk assessment for institutions like the EDA, NATO, the Dutch MOD and the office of internal affairs. In May 2010, Rutger became a fulltime consultant at IB Consultancy, and is currently the research coordinator of CBRN threat analyses.

Who should attend?
- First responders
- Proprietors of critical infrastructure
- Private security staff and personnel
- Policy makers

*subject to final confirmation

Countering the Terrorist Threat of an IED with a Chemical Payload

Overview:
This workshop will set in context the threat from IEDs with a chemical payload and underline the importance of understanding the terrorist objectives in developing a response capability. Traditional EOD concepts of using remote equipment to place hazardous or suspect items into containment vessels for movement may not be appropriate. Where the risk of the device functioning is considered unacceptable then this may require additional approaches. The EDA is piloting an initiative for the capability development of manual neutralisation techniques which support CBRN incidents. Attend this workshop and discuss the requirements and development of a range of counter chemical IED capabilities.

James Convery is co-founder and Director of Explosive Learning Solutions. After a military career delivering national IEDD capability, including close support to UK Special Forces, he now provides non-partisan consultancy to government bodies and assists industry in developing products for the security and defence market.

Graham Brooks works in capability development and has authored plans for NATO, EDA and at national level. He is a retired Army officer with long staff and operational experiences in UK IEDD capability including the delivery and training for national contingencies. He researches terrorist adaption in IED attacks and planning.

Who should attend?
- Military EOD and CBRN staffs and units
- Interior Ministries and Law enforcement
- Civil Defence and Contingency Organisations
- Fire, Rescue and Disaster responders
- HAZMAT and Toxic Chemical specialists
- Command staffs and training directors
- Counter Terror Units
- Crime Scene Investigators and Forensics
Kärcher Futuretech GmbH develops, manufactures, and markets products for the special needs of prompt and effective decontamination of persons, vehicles, personal weapons, clothing and equipment as well as sensitive material and ensure the ability of the concerned troop, civilian population, police, frontier guard, etc. to survive. According to the specific needs, KÄRCHER Futuretech offers customer-designed solutions on trailer or in container. www.karcher-futuretech.com

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The conference fee includes refreshments, lunch and conference pack.

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