

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





and Terrorism Research (ICPVTR), Singapore



Dr Rajagalopalan 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. ndonesia



Eric Stevenson, Deputy Director, CBRN Domain, Department of Defence, Australia





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



- Medical programmes
   Lieutenant General Chalermsuk Yugala, Senior Army Expert (CBRN),
- Royal Thai Armv

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

## DAY TWO Tuesday 12th April 2011

	8:30	Registration and Coffee	12:00 Australia's Approach to CBRN-E Prevention					
		OPENING SESSION		<ul> <li>The Australian Ministry of Defence and CBRN-E national security</li> <li>Contribution to the government plan</li> <li>Australia's approach to prevent</li> </ul>				
9:00		m Day One and Setting the Scene for Day Two nam, Principal CBRN Consultant, SVGC, UK		<ul> <li>CBRN terrorism and the countermeasures in place</li> <li>Examples from recent case studies</li> <li>Securing our future</li> </ul>				
9:30	Coordinati	VE PANEL DISCUSSION ng an International Response to the Global Threat of Weapons	*	Eric Stevenson, Deputy Director, CBRN Domain, Department of Defence, Australia				
	Chairman: Brian Clesham, Principal CBRN Consultant, SVGC, UK Panellists: Brigadier General Jonathan Treacy, Commanding Officer, Joint Task Force Civil Support, US NORTHCOM Eric Stevenson, Deputy Director, CBRN Domain, Department of Defence, Australia Dr Rajagalopalan Vijayaraghavan, Director, Defence Research and Development Establishment, India		12:30	Advanced Vacuum Technology for B and C Decontamination of Sensitive Equipment & Material • Operational need of new technology TECH • Physical properties of C-Contaminants TECH • B-Decontamination aspects • Decontamination process • Hardware to carry out the decontamination Group • Applications of vacuum technology Helmut Stelzmüller, Managing Director, Kaercher Futuretech				
	Counter	Terrorism Authority, Pakistan	1:00	Networking Lunch				
10:30	Networkin	g Coffee Break	2:00	The New Zealand Army CBRN-E Defence Capabilities				
		INTERNATIONAL CASE STUDIES		<ul> <li>Prevent &amp; prepare – the approach in New Zealand</li> <li>Identifying current capabilities</li> </ul>				
11:00	<ul> <li>US NORT</li> <li>Homelar against t</li> </ul>	ADDRESS COM and CBRN Civil Support Operations THCOM functions and responsibilities ad defence, civil support and security cooperation to guard the CBRN-E threat ing to the effects of a CBRN-E incident after civilian resources	*	<ul> <li>Situational awareness</li> <li>Civil-military cooperation</li> <li>Lessons learned and the future of CBRN-E related terrorism in the regiver the second seco</li></ul>				
	have bee	en utilized first and fully rability with civilian forces before, during and after a CBRN-E	2:30	<ul> <li>Threat and Risk Assessment for the EDA and EU DG Home</li> <li>Assessing the motivations and capabilities of an actor, actors or actor types</li> </ul>				
	Brigadier G	General Jonathan Treacy, Commanding Officer, Joint Task Force ort, US NORTHCOM		<ul> <li>Using classified government information</li> <li>IBC Methodology - use of open source intelligence, making the results</li> </ul>				
11:30	<ul> <li>Preparin</li> <li>Demron</li> <li>Military</li> <li>Military</li> </ul>	rst Responder: Multi Hazard Protection g for the CBRN-E threat and multi-hazard protection first responder – The first line of defence partners - Case studies and examples Meo, President and Chief Executive Officer, Radiation Shield ies	3:00	<ul> <li>accessible for the people that need them</li> <li>European Defence Agency - simplified model for threat assessment t can be used for planning of missions</li> <li>European Commission DG Home - methodology to deliver three stud for the EU CBRN Action Plan List Groups</li> <li>Ilja Bonson, Managing Director and Founder, ib Consultancy</li> <li>8:00 Networking Coffee Break</li> </ul>				
		STREAM ONE Chaired by: Brian Clesham, Principal CBRN Consultant, SVGC, UK	Kats	STREAM TWO Chaired by: suhisa Furukawa, Fellow, Research Institute of Science and Technology for Society, Japan Science and Technology Agency				
		COUNTER IED		BUSINESS CONTINUITY				
3:30	<ul> <li>The role of Terrorists</li> <li>Coordinating hubs - case</li> <li>The daily</li> <li>Coordination</li> <li>Colonel (Rest</li> </ul>	<ul> <li>Attacks in the Philippines</li> <li>of the Office of Transportation Security and C-IED</li> <li>and IED in the Philippines – case study</li> <li>ted IED attacks used against transportation and infrastructure</li> <li>se study</li> <li>threat to critical national infrastructure</li> <li>ting a response</li> <li>t'd) Dante S Dinsay, Deputy Director, Intelligence and</li> <li>Bureau, Office of Transportation Security, DOTC, Philippines</li> </ul>	3:30	<ul> <li>Community Resilience in Singapore</li> <li>Preparing the community in Singapore for a CBRN-E attack</li> <li>Managing information and public information during a crisis</li> <li>Youth Olympic Games 2010 &amp; Formula One – how to educate and prepare for major sporting events in Singapore</li> <li>How can we improve?</li> <li>Dr Moh Heng Goh, President, Business Continuity Management Institute, Singapore</li> </ul>				
4:00 1	<ul> <li>What, wh Mumbai i failure. Co</li> <li>Lessons fc</li> <li>Preparedr Metros</li> <li>Preventive</li> <li>Protection</li> </ul>	Ds and Analysis of Serial Blasts in Mumbai in 1993 and 2006 een, where and why's of the coordinated IED attacks in n 1993 and 2006. Detailed analysis with focus on reasons for pordinated IED attacks against Mumbai or LEA (Law Enforcement Agencies), City councils and public ness and capacity building for facing such CBRN threats in e measures and efficacy n of critical infrastructure and vital assets a (Ret'd) Seshadri Vasan, Head, Strategy and Security Studies, Asia Studies, India & Director Asia Secretariat, Borderpol	4:00	<ul> <li>How the Commercial World is Dealing with the Threat of CBRN-E</li> <li>What to look for when preparing and implementing a CBRN-E emergency response and business continuity plan</li> <li>Factors for consideration – study, plan, development, and approval, training and drills</li> <li>Incident response and support</li> <li>Recovering from a CBRN-E disaster</li> <li>Industry Speaking Slot Required</li> </ul>				
	CLOSING CEREMONY							
		4:30 CLOSING KEYNOTI	E ADDRES	is s				
<ul> <li>Malaysia's CBRN Medical Defence Capabilities</li> <li>CBRN-E Medical Defence Capability Programme and Committee</li> <li>Achieving the vision of the MAFHS – defining the long term strategic plan</li> <li>The forward field hospital – laboratory, blood bank, radiology, induction and resuscitation rooms and theatre</li> <li>Training doctors and medics in the armed forces</li> <li>Case studies from recent operations</li> <li>Dr. Abu Hassan Assari Abdullah, Head of Department, Kuala Lumpur General Hospital, Malaysia</li> </ul>								

\*subject to final confirmation

Chairman's Closing Remarks and Close of Conference

5:00

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

In association with:



Registration				
Introduction and coffee				
Presentation on the modeling effort for				
the zero situation and the				
consequences				
Networking coffee break				
Vulnerability assessment and				
functionality approach				
Heading to the metro station *				
Tour of the facility *				
Networking lunch				
Presentation on actual situation and				
consequences of an incident				
Questions and answers				
Close of workshop				

BENEFITS OF ATTENDING

- Insight into the approach to threat and risk assessments in the European Union,
- Understanding the Comis model and the benefits of its use
- Visit of metro facility and state of the art countermeasures
- Insight into the interactions of countermeasures and the benefits of a
- system approach Improving the understanding of the participants on the consequences of a CBRN attack on a critical infrastructure

#### 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.

#### Who should attend?

- First responders **Proprietors of** critical infrastructure
- **Private security** staff and personnel
- Policy makers

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.

\*subject to final confirmation

#### POST-CONFERENCE WORKSHOP B

with a Chemical Payload

Countering the Terrorist Threat of an IED

#### 13TH APRIL 2011

## In association with:



#### 8:30 Registration 9:00 Introduction and coffee

- 9:30 Chemical IED threat; device design influences and strategic to tactical objectives 10:00 Networking coffee break
- Conventional EOD and IEDD approaches; the 10:20 shift to non-battlefield techniques in support of civil agencies
- 11:30 WMD approaches; the paradox of unacceptable events and the risk of hazard reduction actions 12:30
- Networking lunch 1:30 Chemical IED options; the utility of remote equipments and manual procedures for diagnostics, containment, segregation and neutralisation
- 3:00 Networking coffee break Task conclusion; forensic, intelligence and 3:20 criminal follow-up and the residual problem for the supporting agencies. 4:00 Questions and answers
- 4:45 Summary
- Close of workshop 5:00

**BENEFITS OF ATTENDING** 

- Form the linkage to the terrorist threats and consequence risk assessments in order to make an informed investment decision for the allocation of
- Informed investment decision for the allocation of scarce resources Be able to review the range of IED chemical payload problems and through scaling prioritise the response options within an understanding of the associated action and residual risks
- Discuss the European direction and implications for counter terrorist operations with any potential reaction of an adaptive thinking terrorist group Share the experiences of building a capability that is both tuned to the national requirement, adaptive to the transnational threat and enduring

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

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## **CBRN-E ASIA PACIFIC**

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