

# IMPACT

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INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS

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**Director of International Cooperation**

## What is IMPACT?

- Non-profit organisation – funded by grants, contributions etc.
- Focussed on serious cyber threats that threaten stability of infrastructure and public safety, such as ‘cyber-terrorism.’
- International & multilateral in nature – i.e. IMPACT is an international institution. It’s members are governments, it’s owners are the global community of member-nations.
- Public-private partnership – Private sector & academia are invited as partners to assist member countries secure their IT infrastructure e.g. through partnerships with IMPACT’s Global Response Centre. IMPACT is the platform for cooperation between governments of the world and the international private sector.
- Modelled after the famous World Health Organisation (WHO) / Centers for Disease Control & Prevention (CDC) – IMPACT’s (GRC) is designed to be the foremost cyber-threat resource centre for the global community.

## Introduction to IMPACT – continued...

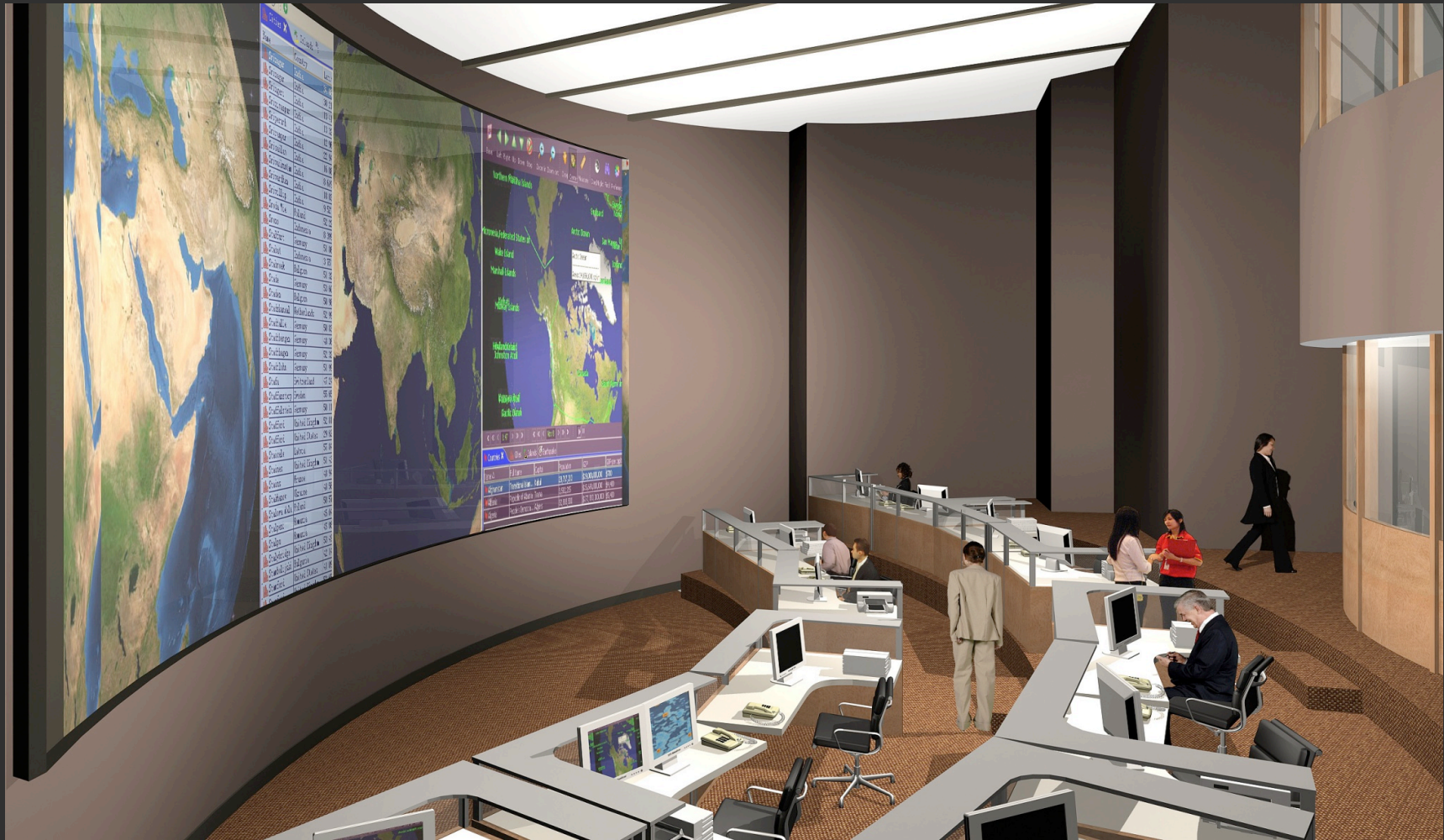
- **IMPACT physical facilities:**
  - IMPACT's Global HQ in Cyberjaya, Malaysia will house a world-class centre for cyber-security – construction currently underway, expected completion March 2009.
  - **IMPACT's international secretariat** – IMPACT's secretariat will be staffed by an international team of personnel. Recruitment is open to all member countries.



## **IMPACT Activities**

- **Global Response Centre**
- **Training & Skills Development**
- **Security Assurance & Research**
- **Centre for Policy & International Cooperation**

# Global Response Centre





# Global Response Centre – NEWS

- The GRC's 'Network Early Warning System' (NEWS) seeks to assist member countries in the early identification of cyber-threats and to provide guidance on the necessary remedial measures.



## Information sources for NEWS

Symantec

SANS

Secunia

Kaspersky

Arbor  
Networks

SOPHOS

SRI-MTC

F-Secure

Trend Micro



Threat Database . Vulnerability Database . Malware Database . Port Database . Pattern Database



Botnets . Command & Control Servers . Sources . Targets . Ports  
Viruses . Malwares . Vulnerabilities . Spywares  
Phishing . Threat Map . Global Threatcon  
Incident Mapping

# IMPACT Activities – Global Response Centre

- The GRC's 'Electronically Secure Collaborative Application Platform for Experts' (ESCAPE). ESCAPE is a unique framework that enables authorised cyber experts across different countries to pool resources and remotely collaborate with each other in a secure and trusted environment.

The screenshot shows a web browser window titled "Create Response Team - Windows Internet Explorer". The address bar displays the URL: [http://impactsp.ascendsys.com/\\_layouts/EpokResponseTeam/CreateResponseTeam.aspx](http://impactsp.ascendsys.com/_layouts/EpokResponseTeam/CreateResponseTeam.aspx). The page content is titled "Create Response Team" and includes the following sections:

- Identify**: "Name and describe this Response Team." This section contains a text input field with the value "DDoS Response Team" and a description field with the text "IMPACT team assembled to respond to ongoing DDoS attack against".
- Select Group**: "Choose the group(s) to add to this Response Team." This section features a list of groups with checkboxes, including "Malaysia - SKMM", "Vietnam - Ministry of Science, Technology and Environr", "Vietnam - Ministry of Foreign Affairs", "KSA - Ministry of Communications and Information Tech", and "KSA - Ministry of Interior".
- Threat**: A list of threat types with checkboxes, including "Social Engineering Attack", "Common Computing Attack", "IMPACT DDoS Expert Group", "Malware", and "Botnet Attacks".
- Industry**: A list of industries with checkboxes, including "Telecommunications", "Electrical Generation, Transmission and Distribution", "Water", "Chemical Production", and "Oil and Gas Production".
- Select Users**: A section for selecting users, currently empty.

The browser's status bar at the bottom shows "Done", "Internet", and a zoom level of "100%".





# Global Response Centre

- ESCAPE enables the GRC to act as a 'one-stop' coordination and response centre for countries in times during emergencies, allowing for swift identification and sharing of available resources across borders.

All Sites **People**

Skills: "Denial-of-Service attacks"  Search Options

Results by Social Distance | View by Relevance |  Alert Me |  RSS

Results 1-3 of 3. Your search took 0.08 seconds.

### My Colleagues

Giselle Dunant (Switzerland)




23 years in computer security industry in private sector and government. Currently on faculty of Swiss Federal Institute of Technology.  
Responsibilities: manager, Prevention, forensics, Security Policy, Infrastructure Protection  
Skills: Denial-of-Service attacks, Hacking-Disruption, Malware-Trojan Horse, Malware-worms, Camouflage-Spoofing, forensics

### IMPACT Teams

#### Response Teams

 RinBOT Response Team




#### Training and Best Practices

 Critical Infrastructure Best Practices

Add Link

Manage Links

### Personal Publications

Type	Name	Modified By
	National Strategy to Secure Cyberspace ! NEW	Dinh Loi
	Cyber Security for Critical Infrastructure ! NEW	Dinh Loi
	Report to the President - A Crisis of Prioritization ! NEW	Dinh Loi

Add new document

### Dinh Loi



View slide show

## IMPACT Activities - Training & Skills Development

- IMPACT will conduct specialised training, seminars etc. for the benefit of member governments.
- Goal is NOT to reinvent the wheel, but to pull-together excellent resources worldwide for the benefit of all.
- Member countries will benefit from the comprehensive training facilities including specialised training rooms, auditorium, 24x7x365 Security Operations Centre, labs and accommodation facilities for visiting trainers and experts offered by the IMPACT Global HQ
- Central knowledge point highlighting expertise where it exists—cyber security training (SANS), law enforcement training (INTERPOL), Policy (multilateral), Legislation (COE), among many other partners.

## IMPACT Activities – Security Assurance & Research

- **Security Assurance Division:**
  - Members via IMPACT's Security Assurance Division will have the expertise and resources to conduct independent ICT security audit on government agencies or critical infrastructure companies.
  - The Division will function as an independent, internationally-recognised, voluntary certification body for cyber-security.
  - IMPACT, in partnership with Symantec Corporation will establish a Centre of Excellence for Government Security Scorecard – the first such centre outside the US.

## IMPACT Activities – Security Assurance & Research

- **Research Division:**
  - IMPACT's Research Division focuses on getting partners from academia – including universities and research institutions, to focus on cyber threat areas of concern which are not being adequately addressed.
  - More than 20 centers of excellence already part of network including universities in China, Japan, UK, Ireland, USA, and Jordan among others.
  - IMPACT will make available facilities and the necessary environment to encourage participating research partners to embark on joint research with government in those specific areas of concern.

## IMPACT Activities – Security Assurance & Research

- IMPACT will make available its research network for the benefit of any member country who are interested to participate.
- Besides the academic network, IMPACT Global HQ provides members with access to specialised ICT laboratories, specialised equipment, resource centre and other facilities.

## Centre for Policy & International Cooperation

- Working with partners such as Interpol, Council of Europe, UN, ASEAN, OSCE etc., the Centre for Policy & International Cooperation contributes towards formulation of new policies and work towards harmonisation of national laws to tackle a variety of issues relating to cyber crimes and security.
- The Centre shall work towards fostering international cooperation through specific programs e.g. co-ordinated cyber-drill exercise between countries etc.
- Creating an open forum for all international and multi-lateral organisations to discuss their activities and interests in the field of cyber threats and security.
- Looking for new partnerships all the time. Cooperation is vital and most welcomed.



# IMPACT's International Advisory Board (IAB)

Together with international stakeholders, IMPACT offers an opportunity to **collaborate**.

IMPACT's International Advisory Board comprises a distinguished list of renowned experts from industry and academia



**Dr. Vinton Cerf**  
Chief Internet Evangelist of Google,  
'Father of the Internet'



**Steve Chang**  
Founder & Chairman of Trend Micro



**Ayman Hariri**  
Chairman of Oger Systems



**Mikko Hypponen**  
Chief Research Officer of F-Secure



**Eugene Kaspersky**  
Founder & CEO of Kaspersky Lab



**Prof. Fred Piper**  
Professor of Mathematics at University of  
London & Founder of Codes & Ciphers Ltd.



**Prof. Howard Schmidt**  
Former White House Security Advisor,  
Former Chief Security Officer of Microsoft  
and eBay



**John W. Thompson**  
Chairman & CEO of Symantec Corp.



**Dr. Hamadoun Touré**  
Secretary-General of International  
Telecommunication Union (ITU)

## Updates on IMPACT – 8 early wins for IMPACT

1. IMPACT secures US\$13m initial start-up grant from Malaysian Government. Pledges from other governments and private sector organisations have also been received.
2. At the IMPACT Ministerial Roundtable, ministers & officials from 27 countries affirm support for IMPACT.
3. IMPACT's inaugural World Cyber Security Summit (20-22 May, 2008) received overwhelming response from governments, industry and academia – making it the world's largest ministerial-level gathering on cyber-terrorism.
4. The International Telecommunication Union ('ITU') declares IMPACT the physical home for its global cyber security initiative.

## Updates on IMPACT – 8 early wins for IMPACT

5. F-Secure commits its expertise to assist IMPACT in establishing its Global SOC (Security Operations Centre) at its Cyberjaya HQ.
6. Kaspersky Labs commits technical expertise in setting-up IMPACT's Early Warning System
7. Symantec Corporation commits to assist IMPACT in establishing a Security Scorecard Centre of Excellence.
8. SANS Institute commits US\$1m to IMPACT for cyber security training of developing countries.

# IMPACT

## Joining Agencies and Organisations

- Member Governments determine *trusted* agencies
  - Law Enforcement agencies
  - National CERTS
  - Situation Centres
  - Regulatory authorities
  - Any other member country authorised organisation or person(s)
- *Trusted* third parties
  - Members of the academia
  - Subject matter experts

# IMPACT

Invitation to all governments + industry +  
academia to join IMPACT's global  
initiative.

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