



Promoting a Culture of Cyber Security – Malaysia Case Study

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Who Are We?

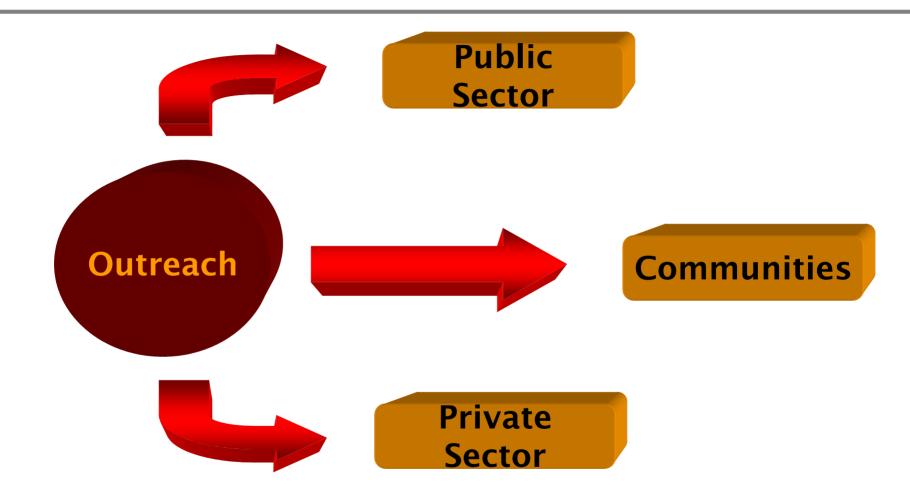


- Started in 1997 as Malaysian Computer Emergency Response Team (MyCERT)
- In 2001 assumed a larger role in protecting Malaysia's Cyber Space, known as National ICT Security & Emergency Response Centre (NISER)
- In 2005, Established as a Company Limited by Guarantee under the purview of the Ministry of Science, Technology & Innovation
- In 2006, assumed role as the national cyber security agency
- In 2007, given additional mandate and renamed as CyberSecurity Malaysia



Everyone Matters







Outreach



Reaching out to all Internet users



To be aware of current online threats & dangers



Promote safe & responsible online behaviour



Promote best practices & positive use of the Internet



Co-operation & Collaboration



Reaching out to all Internet users



Ministry of Education & other relevant ministries for schools



ISPs for home users



Public-Private co-operation for organisations (roadshow, portal, etc)







CyberSecurity Malaysia's Initiatives



The National Cyber Security Policy



NATIONAL CYBER SECURITY POLICY





Designed to facilitate
Malaysia's move towards a
knowledge-based economy
(K-Economy)

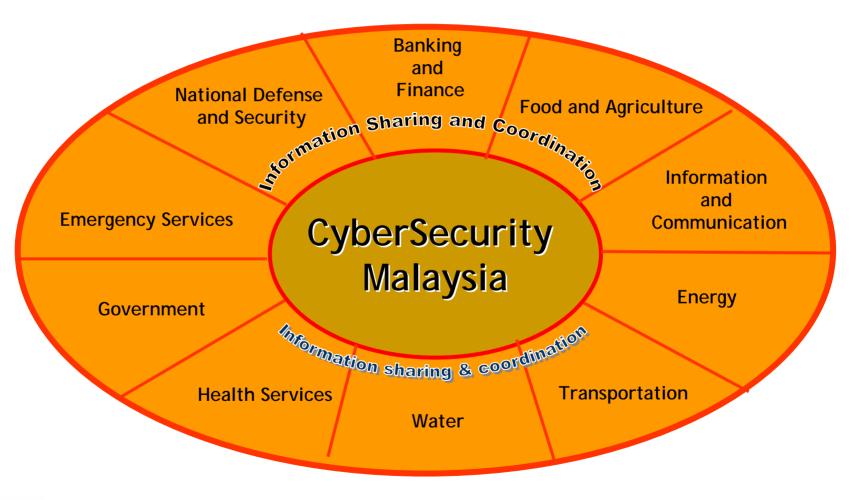
Formulated based on framework comprising:

- 1) Legislation and Regulatory
- 2) Technology
- 3) Public-Private Cooperation
- 4) Institutional
- 5) International



Focus Area - 10 Critical National Information Infrastructure







The 8 Policy Thrust









Information Security Competency Development

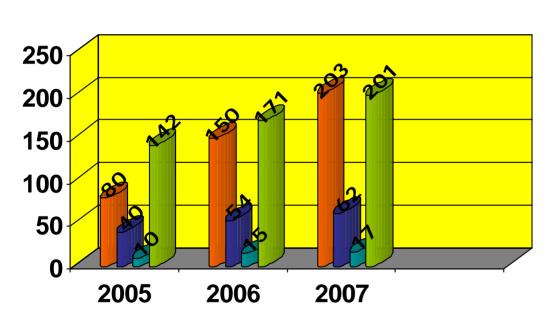
To create knowledge workers through **skill development programs** and **professional certification** in Information Security



Information Security Professional Certification

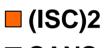


Information Security Professionals in Malaysia













■ ISACA







Professional Development





















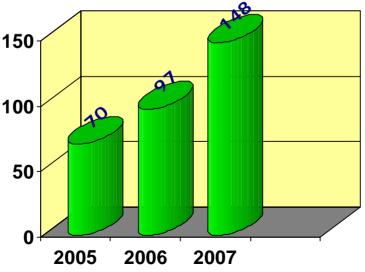




Skill Developement for IT Professionals









■ Trained Professionals



Securing Our Cyberspace

Other Initiatives



- Cyberlaw
 - Computer Crime Act 1997
 - Digital Signature Act 1997
 - Copyright Act 1997
 - Communications & Multimedia Act 1998
 - Telemedicine Act



Standards



- Promotion of information security related standards to public & private sectors for greater adoption:
 - ISO27001/ISO17799
 - BCM Standard
 - Common Criteria







CyberSecurity Malaysia Outreach Programs

To build a culture of security through *awareness programs* to target groups (kids/teenagers, parents/professionals & organisations)







Outreach Program CyberSecurity



CYBER SECURITY AND INTERNET SAFETY AWARENESS CAMPAIGN













International CERT **Communities**

> Other industry partners



Target Audience



Children / students



home users



Organizations

Critical Information Infrastructure Protection Awareness Workshop



INFOSEC.my Information Security Annual Conference



INFOSEC.my Knowledge Sharing Session



INFOSEC.my Knowledge Sharing Session



Awareness Portal – www.esecurity.org.my



Awareness Posters



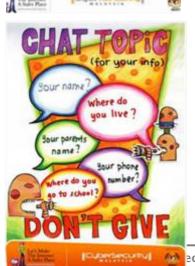
(schools, public & organisations)







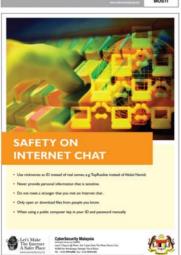


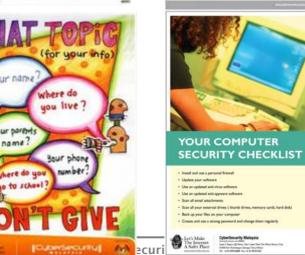














Information Security Newsletter (quarterly publication)





Awareness Messages







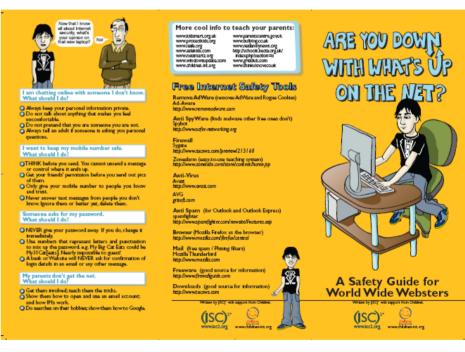


Information Security Brochures









Parent's Guide to Internet Safety

Teenager Guide to Internet Safety





Awareness Videos



Email & Spam



Safe Chatting



Safe Internet Banking

Cyber Stalking





Exhibition & Road Show





Lessons Learnt & Conclusion



- Information security strategies must cover all user groups
- Public-private co-operation is crucial in building a security culture
- Security is everyone's responsibility and starts at the top management
- Adoption of international standards and best practices is crucial in creating the competitive advantage (e.g. ISO 17799)
- Awareness & education must be deployed throughout the organisations and include all vendors & and alliances



Thank You



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