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ASEAN Regional Forum (ARF) Workshop on Measures to Enhance Cyber Security – Legal and Cultural Aspects

11- 12 September 2013

Session 1 : Recent Development of National and Regional Practice on Cyber Security

National Cyber Security Management in Malaysia



Sovereignty

To create a safer and secure cyberspace



MALAYSIA'S CYBER THREAT LANDSCAPE

NEWS TECHNOLOGY

15 October 2012 Last updated at 13:10 GMT

Children in care data found on public PC in New Zealand

Aramco Says Cyberattack Was Aimed at Production

By REUTERS
Published: December 9, 2012 **The New York Times**

Millions affected after cyber attack on HSBC

China busts 700 cybercriminals

THE TIMES OF INDIA -- 02:41 GMT (10:41 SGT) **ZDNet**

Bank loses Rs 1 crore in online fraud

NASA breach update: Stolen laptop had data on 10,000 users

European renewable power grid rocked by cyber-attack

Published 10 December 2012, updated 20 December 2012
Tags cyber security, cyber-attacks, grid, power grid, renewables

A German power utility specialising in renewable energy was hit by a serious cyber-attack two weeks ago that lasted five days, knocking its internet communications systems offline, in the first confirmed digital assault against a European grid operator.

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The Internet Content (Web Pages/ Blogs /Social Network)

Cyber Terrorism Terrorist Use of Internet

Online Fraud/ Cyber Crime millions of Ringgit Malaysia

Critical Information Infrastructures Targeted by hackers and terrorist groups

National Confidential Information Leakage / Stolen.

Heavy dependency on the electronic system Organized international crime

CYBER SECURITY THREAT IMPLICATION

- National Unity and Well-being
- National Defence and Security
- National Economic Strength
- National Image
- Government Capabilities to Function
- Public Health and Safety



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NATIONAL CYBER SECURITY GOVERNANCE

Preservation of National Identity




Protection of National Digital Border


Education and Awareness

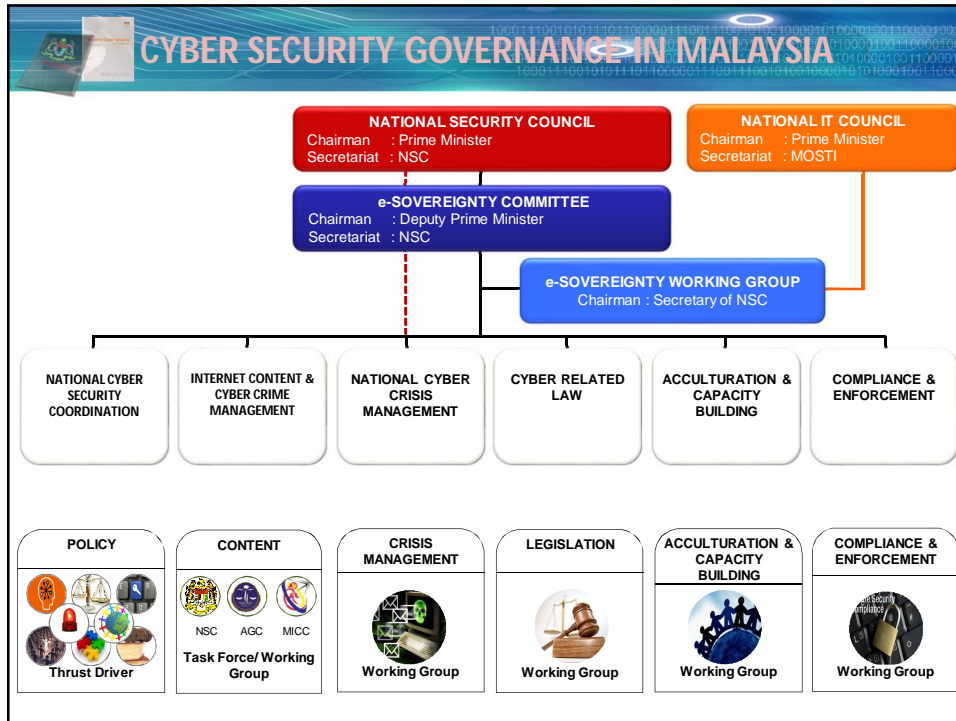
Preservation of National Identity from slander, inaccurate or false information, culture that may lead to bad influences of the social well-being; and to maintain and ensure positive development of national identity in the cyberspace.

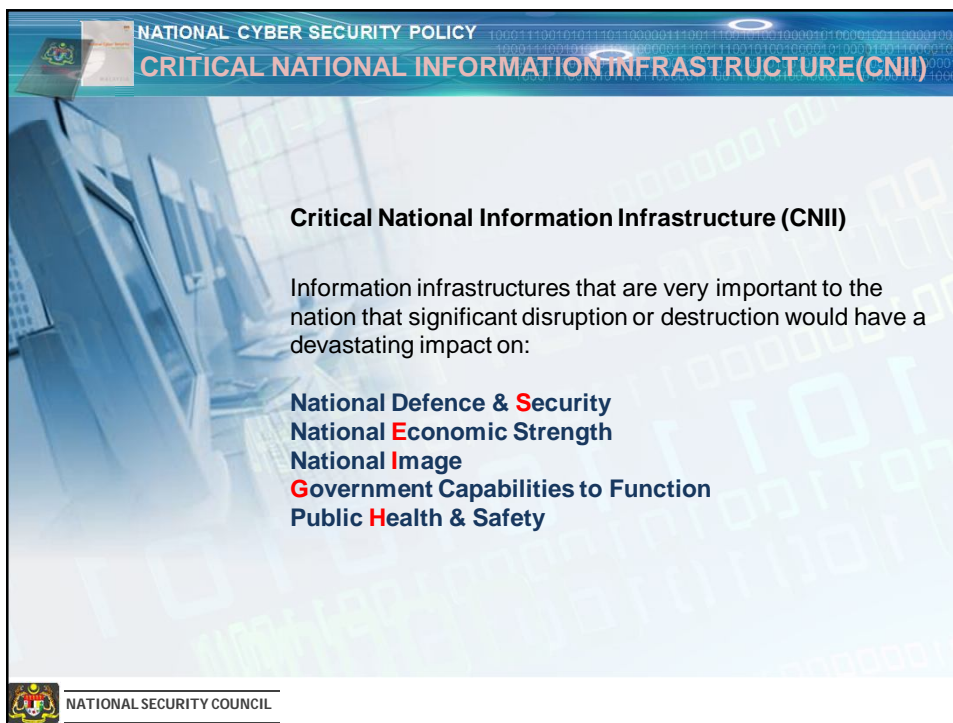
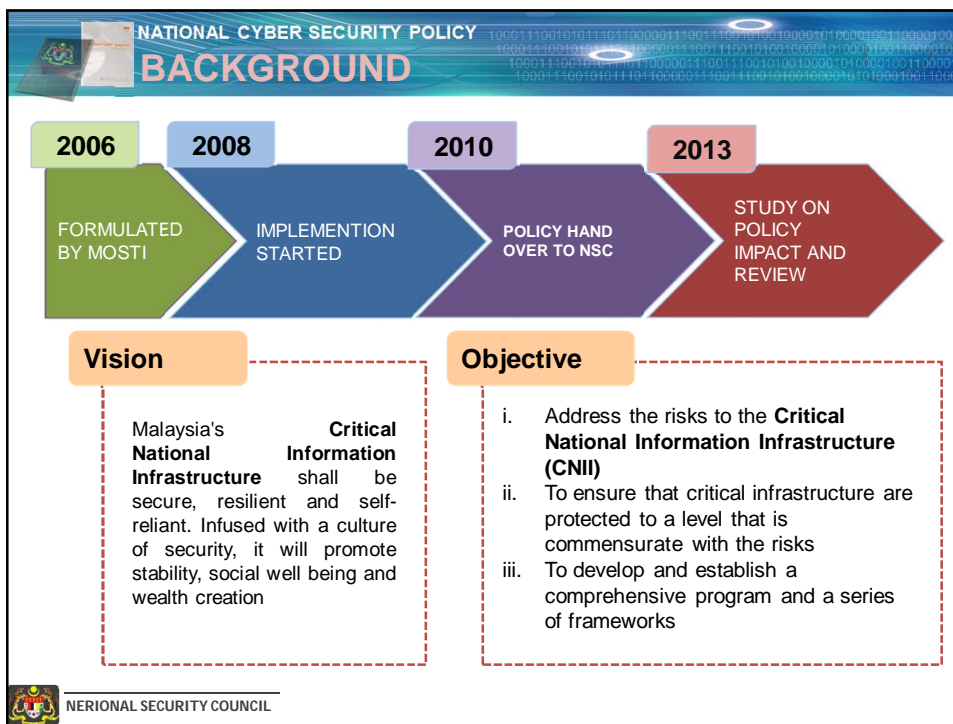
Protection of National Digital Border from threats and cyber attacks that could affect the confidentiality, integrity and availability of the Critical National Information Infrastructure (CNII). The threats and attacks may have impact on the national defence and security, economic stability, the country's image, its capability to function as well as public health and safety.

Continuous planning, conducting and implementing education and awareness programmes to promote a culture of positive use of ICT among society.



























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NATIONAL CYBER SECURITY POLICY SECTOR LEAD


Information & Communication	Energy	Food & Agriculture
 	   	  
Banking & Finance	Transportation	Water
  	 	 
Defense & Security	Emergency Services	Health Services
 		
		Government
		

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NATIONAL CYBER SECURITY POLICY POLICY THRUST




Thrust 1: Effective Governance




Thrust 5: Research & Development Towards Self-Reliance




Thrust 2: Legislative & Regulatory Framework




Thrust 6: Compliance & Enforcement




Thrust 3: Cyber Security Technology Framework




Thrust 7: Cyber Security Emergency Readiness



Thrust 4: Culture of Security & Capacity Building




Thrust 8: International Cooperation

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**NATIONAL CYBER SECURITY POLICY
GOVERNMENT'S INITIATIVES**

- National Cyber Security Governance
- NSC Directive : National Cyber Crisis Management Plan & Procedures
- Annual Cyber Drill Exercise
- Review & Harmonize Cyber related laws
- Adoption of MS ISC 27001:2007
- Cyber SAFE
- Cyber 999
- Research Grant
- CIO Roundtable
- Cyber Operation Centre
- Information Security Professional Training
- National Cryptography Policy
- National Impact Analysis Study
- One Stop Centre
- Online Fraud Handling Mechanism
- National Cyber Security Acculturation & Capacity Building Programme (NSACP)
- SCADA vulnerabilities assessment
- NCSP Review
- National Cyber Readiness Index
- National Information Leakage Prevention Framework
- National Cyber Security Awareness Programme
- National Cyber Coordination & Control Centre
- National Cyber Security Monitoring Centre Eco-System Study

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Thank you


National Cyber Security Policy
The way forward
MALAYSIA

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