



# Annual Report 2011

**CyberSecurity**  
MALAYSIA

Featuring a  
Special Section:

**10<sup>th</sup>**  
*Anniversary*  
2001 - 2011





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# Corporate Information



## Function

CyberSecurity Malaysia ([www.cybersecurity.my](http://www.cybersecurity.my)) is the national cyber security specialist centre under the Ministry of Science, Technology and Innovation or MOSTI ([www.mosti.gov.my](http://www.mosti.gov.my)).

The Malaysian Government has gazetted the role of CyberSecurity Malaysia by Order of the Ministers of Federal Government Vol.53, No.13, dated June 22, 2009 by identifying CyberSecurity Malaysia as an agency that provides ICT security specialist services and continuously monitors threats to the national security.

## Services

CyberSecurity Malaysia provides specialised cyber security services in the following areas:

- Cyber security emergency response, incident handling, and digital forensics.
- Cyber security quality management.
- Cyber security capability and capacity development.
- Cyber security outreach and acculturation.
- Cyber security research and risk assessment.
- Cyber security evaluation and certification

## Vision

Our Vision is to become a Globally Recognised National Cyber Security Reference and Specialist Centre by 2020.

## Mission

Our Mission is to Create and Sustain a Safer Cyberspace that Promotes National Sustainability, Social Well-Being and Wealth Creation.

## Core Values

**Trusted, Impartial and Proactive (TIP).**

### Trusted

Firmly adhering to codes of conduct and professional ethics in maintaining ethical, social and organizational norms. We consider the needs and interest of our clients and the community to be our primary focus.

### Impartial

Devoid of any personal or conflict of interest; unbiased advice, judgment and decisions are guided by high professionalism, based on clear facts and rationale. We provide fair and unbiased support, advice and information on cyber security.

### Proactive

Anticipate challenges and identify solutions; take charge and act fast to accomplish goals and exceed expectations. We are forward thinking and progressive in our pursuit of the right solutions and in meeting new challenges.

## Chairman's Statement



“ Moving forward to 2012 and beyond, the main role of CyberSecurity Malaysia will be to secure the cyberspace for everyone, for each of us, whose life revolves around Smartphones, Google Search, e-Commerce, Social Media and some cool stuffs (in future) that are yet to be invented. ”

The Deputy Prime Minister of Malaysia launched the National ICT Security & Emergency Response Centre (NISER) on the 10th of April, 2001. And the Prime Minister of Malaysia officiated the rebranding of NISER to its current name, CyberSecurity Malaysia, on the 20th of August, 2007. Thus, CyberSecurity Malaysia has officially turned ten in 2011. However, with a reduced budget allocation in 2011, we decided not to organize any 'big' event to celebrate our 10th anniversary. Instead, we decided to reflect on our achievements for the last ten years in this year's annual report.

Back in 2001, the Internet was not as big as

it is today. In the absence of Broadbands, Smartphones and Social Media; there were only a few organisations and early adaptors of ICT and the Internet technology in Malaysia that sought our ICT security services. For instance, our technical expertise and emergency response services were required to resolve problems caused by computer viruses or mitigate attacks from the first generation of Code Red and Nimda worms.

But five years later, suddenly almost every organisations had put up a website, and millions of people globally had signed up for free emails offered by the likes of Yahoo! and Hotmail.

Then, innovative geniuses who still lived with their parents created blogs, social networking sites and filesharing portals. At home, eServices were introduced as the Malaysian Government became all geared towards Knowledge Economy. MOSTI developed a very important document called the National Cyber Security Policy (NCSP), which provides a framework for securing the Critical National Information Infrastructure (CNII). The NCSP became the main reason for renaming NISER as CyberSecurity Malaysia, to reflect the new mandate of coordinating the implementation of NCSP across Ministries and CNII sectors. From 2006, we began strengthening the resiliency of CNII against attacks from cybercriminals and cyberterrorists based on the framework provided under the NCSP.

By 2007, the cyberworld have grown beyond what we could have ever imagined 10 years earlier. We were so amazed and we thought that was it, as far as the Internet revolution was concerned. But along came Youtube and Facebook, carrying with them security challenges as powerful as the Earthquake (for YouTube) followed by devastating Tsunamis (in Facebook).

By 2011, the year under review, cyber security have become a social issue - possibly affecting the lives of more than 28 million people living in Malaysia. 2011, which was also the 10th year anniversary of our official existence, was marked by the High Speed Broadband penetration exceeding 50% of the Malaysian households. And out on the street, almost every man, woman and child are carrying the Internet on their hands. Whereas on the other side of the web, there hides cybercriminals, cyberterrorists and hacktivists in fake identities and spoofed IP addresses.

The last 10 years had not been easy.

But, you will see what we have achieved in the subsequent sections of this annual report. We have put in place the fundamentals of cyber security infrastructures, including training and developing our human capital as part of cyber

security development projects during the 8th and 9th Malaysia Plan.

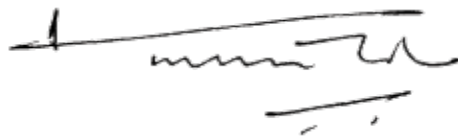
Given that 2011 is also the beginning of the 10th Malaysia Plan, we now have the opportunity to carry out more research and development projects, as well as to develop more experts, in anticipation of more sophisticated challenges in future.

Moving forward to 2012 and beyond, the main role of CyberSecurity Malaysia will be to secure the cyberspace for everyone, for each of us, whose life revolves around Smartphones, Google Search, e-Commerce, Social Media and some cool stuffs (in future) that are yet to be invented. This is in addition to our traditional role of providing the good old technical emergency response services as well as the strategic mandate of protecting the CNIIs.

The next 10 years will not be easy. But at CyberSecurity Malaysia, we welcome challenges with enthusiasm.

I am certain that the future of CyberSecurity Malaysia will be an exciting one.

I would like to take this opportunity to congratulate the current Board members and the distinguished officials of MOSTI for their support, guidance and contribution to CyberSecurity Malaysia. My gratitude also goes to the Management Team as well as Members of the Staff who have served CyberSecurity Malaysia in the last 10 years from 2001 until today - you have helped to shape CyberSecurity Malaysia that you see today. Thank you!



**General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired)**  
Chairman

## Board of Directors



**1. General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired)**

*Chairman*

**2. Lt Col (Retired) Prof. Dato' Husin Bin Jazri**

*Director and Chief Executive Officer*

**3. Dato' Madinah Binti Mohamad**

*Director*

**4. Datuk Dr. Abdul Raman Bin Saad**

*Director*

**5. Datuk Haji Abang Abdul Wahap Bin Haji Abang Julai**

*Director*

**6. Ir. Md. Shah Nuri Bin Md. Zain**

*Director*

**7. Rubaiah Binti Hashim**

*Director*

**8. Rohani Binti Mohamad**

*Director*

**9. Jailany Bin Jaafar**

*Company Secretary*

**10. Abd Rouf Bin Mohammed Sayuti**

*Internal Auditor*



**General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired),**  
*Chairman*

General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (retired) was appointed to the Board as Chairman in July 2009. He is also a member of its Audit Committee.

Currently he also serves as a trustee of the Perdana Global Peace Foundation (PGPF) and Yayasan Qaseh DCL. He is a member of the Dewan Negara Perak, and Chairman of the Organization of Islamic Cooperation - Computer Emergency Response Team (OIC-CERT).

He had a distinguished military career for 37 years, retiring in December 2004 as the Chief of the Malaysian Army.

He is a recipient of the French Award Ordre Officier National du Merite, the UN Medal for Peacekeeping, and the Pingat Jasa Malaysia.

**Dato' Madinah Binti Mohamad**  
*Director*

Dato' Madinah binti Mohamad was appointed to the Board in July 2009. She is the Secretary General of the Ministry of Science, Technology and Innovation (MOSTI) and is at the forefront of efforts to implement the Government's Biotechnology Policy, IT Policy and the National Science, Technology and Innovation Policy.

She has served the public throughout her career, beginning with a posting as an Administrative and Diplomatic Officer with the Ministry of Foreign Affairs in 1981 and subsequent promotions to the Public Service Department, the Ministry of National and Rural Development, the Ministry of Works, and the National Unity and Integration Department.

**Lt Col (Retired) Prof. Dato' Husin Bin Jazri,**  
**CISSP CBCP CEH ISLA**  
*Director and Chief Executive Officer*

Lt Col (Retired) Prof Dato' Husin bin Jazri joined MIMOS Berhad in 2000 to lead the National ICT Security and Emergency Response Centre (NISER). NISER was then separated from MIMOS and incorporated as an agency under MOSTI. In 2007 NISER was renamed as CyberSecurity Malaysia, and Dato' Husin became the founding Chief Executive Officer of CyberSecurity Malaysia. He is also the founding President of the Information Security Professional Association (ISPA).

Dato' Husin also serves as an Industrial Advisor for the Faculty of Information Science and Technology, Multimedia University; and a Visiting Professor at the Advanced Informatics School (AIS), Universiti Teknologi Malaysia, International Campus. He is a recipient of the (ISC)2 Harold F. Tipton Lifetime Achievement Award.

**Datuk Dr. Abdul Raman Bin Saad**  
*Director*

Datuk Dr. Abdul Raman was appointed to the Board in June 2009. He is the Managing Partner of ARSA LAWYERS (Abdul Raman Saad & Associates) and Director of Technical University Malaysia Melaka (UTEM).

An advocate and solicitor since 1977, he served the Malaysian Judicial and Legal Service in various capacities such as Magistrate, Deputy Public Prosecutor and Assistant Director of Legal Aid before going into private practice. He is acknowledged as one of the most experienced legal advisors in the areas of corporate and commercial law, information and communication technology law and Shariah Finance.

# Board of Directors

## **Datuk Haji Abang Abdul Wahap Bin Haji Abang Julai**

*Director*

Datuk Haji Abang Abdul Wahap bin Haji Abang Julai was appointed to the Board in May 2009. He is the sixth mayor of Kuching North City Commission. He had a distinguished career with the Royal Malaysian Police Force for 37 years, retiring in 2007 as Director of Narcotics Crime Investigation Department (NCID). He is a recipient of the 'Panglima Gagah Pasukan Polis (PGPP)', which is the highest award in Malaysian Police Force; and 'Panglima Jasa Negara (PJN)', which carries the title 'Datuk'.

## **Rohani Binti Mohamad**

*Director*

Rohani was appointed to the Board in January 2010. She is a Deputy Under Secretary in the Information Technology Management Division of the Ministry of Finance, Malaysia. A civil servant for more than 25 years, she was attached to the ICT Security Division of the Malaysian Administrative Modernisation and Management Planning Unit (MAMPU), the Information Technology Section and Multimedia Super Corridor Unit of the Procurement Management Division at Treasury Malaysia, the Ministry of Land and Cooperative Development and the Economic Planning Unit (EPU). In 2010, she received 'Anugerah Pingat Kesatria Mangku Negara (KMN)'.

## **Ir. Md. Shah Nuri Bin Md. Zain**

*Director*

Ir Md Shah Nuri bin Md Zain was appointed to the Board in April 2008. He is the Under Secretary to the Cyber and Space Security Policy Division of the National Security Council at the Prime Minister's Department. He has served the Government for more than 20 years, first as a Research Fellow with MIMOS Berhad, then as an engineer with the Public Works Department under the Ministry of Works.

## **Jailany Bin Jaafar**

*Company Secretary*

Jailany is a licensed Company Secretary, an Advocate and Solicitor (non- practising) of the High Court of Malaya and holds a Bachelor of Laws (Hons) from University of Malaya (UM). He is also the Head of the Legal & Secretarial Department of CyberSecurity Malaysia.

## **Rubaiah Binti Hashim**

*Director*

Rubaiah was appointed to the Board in April 2008. She is the Under Secretary to the Communications Sector (Infrastructure, Applications & Technology) of the Ministry of Information, Communications and Culture. She has served the Government for more than 25 years in various capacities including as systems analyst to both the Ministry of Public Enterprise and Ministry of Education, then as Principal Assistant Secretary and later Under Secretary to the Communications Sector (Infrastructure & Electronic Applications) of the Ministry of Energy, Water and Communications.

## **Abd Rouf Bin Mohammed Sayuti**

*Internal Auditor*

Rouf is a chartered member of the Institute of Internal Auditors Malaysia, as well as a certified assessor/auditor in Quality Management Systems (MS ISO/ IEC 9001) and Information Security Management Systems (MS ISO/IEC 27001). He reports to the Audit Committee of the Board. He is also the Head of the Internal Audit Department of CyberSecurity Malaysia.



# Corporate Governance Report

## STATEMENT OF CORPORATE GOVERNANCE

The Board of Directors of CyberSecurity Malaysia is pleased to report that for the financial year under review, CyberSecurity Malaysia has continued to apply good corporate governance practices in managing and directing the affairs of CyberSecurity Malaysia, by adopting the substance and spirit of the principles advocated by the Malaysian Code on Corporate Governance ("the Code").

## BOARD RESPONSIBILITIES

The Board maps out and reviews CyberSecurity Malaysia's strategic plans on an annual basis to ensure CyberSecurity Malaysia's operational directions and activities are aligned with the goals of its establishment by the Government of Malaysia. The Board considers in depth, and if thought fit, approves for implementation key matters affecting CyberSecurity Malaysia which include matters on action plans, annual budget, major expenditures, acquisition and disposal of assets, human resources policies and performance management. The Board also reviews the action plans that are implemented by the Management to achieve business and operational targets. The Board also oversees the operations and business of CyberSecurity Malaysia by requiring regular periodic operational and financial reporting by the management, in addition to prescribing minimum standards and establishing policies on the management of operational risks and other key areas of CyberSecurity Malaysia's activities.

The Board's other main duties includes regular oversight of CyberSecurity Malaysia's operations and performance and ensuring that the infrastructure, internal controls and risk management processes are well in place.

## COMPOSITION OF BOARD

The Board consists of members of high calibre, with good leadership skills and vastly experienced in their own fields of expertise which enable them to provide strong support in discharging their duties and responsibilities. They fulfill their role by exercising independent judgment and

objective participations in the deliberations of the Board, bearing in mind the interests of stakeholders, employees, customers, and the communities in which CyberSecurity Malaysia conducts its business. All selected members of the Board must obtained the prior approval from the Minister of Domestic Trade and Consumer Affairs (MDTCA).

At least half of the total composition of the Members of the Board must be from the government sector and are to be appointed by the Minister of Science, Technology and Innovation. The remaining members may be from the commercial or other relevant sectors that has been elected by the members of CyberSecurity Malaysia at its General Meeting. There are currently eight (8) members of the Board.

The Board is fully and effectively assisted in the day-to-day management of CyberSecurity Malaysia by the Chief Executive Officer and his management team. The profiles of the current Members of the Boards are set out on pages of the Annual Report.

## BOARD MEETINGS AND SUPPLY OF INFORMATION TO THE BOARD

Board meetings are held regularly, whereby reports on the progress of CyberSecurity Malaysia's business and operations and minutes of meetings of the Board are tabled for review by the Members of the Board. At these Board meetings, the Members of the Board also evaluate business and operational propositions and corporate proposals that require Board's approval.

The agenda for every Board meeting, together with comprehensive management reports, proposal papers and supporting documents, are furnished to all Directors for their perusal, so that the Directors have ample time to review matters to be deliberated at the Board's meeting and at the same time to facilitate decision making by the Directors.

As at the end of the financial year 2011, eight (8) Board Meetings were held inclusive of circular resolutions passed.

# Corporate Governance Report

## **APPOINTMENT AND RE-ELECTION OF THE BOARD MEMBERS**

Members of the Board that represents the Ministry of Science, Technology and Innovation ("MOSTI") are not subject to retirement whereas other members of the Board shall hold office for a term of two (2) years or for a term which commences at the date of appointment and spans two annual general meeting (including where applicable the annual general meeting where the appointment was made), whichever is the longer.

Dato' Madinah binti Mohamad, Director of CyberSecurity Malaysia is not subject to retirement since she is representing MOSTI. Lt Col Dato' Prof. Husin Hj Jazri (Retired), being the Chief Executive Officer is subject to retirement in accordance with his tenure of service with CyberSecurity Malaysia and the terms and conditions applicable thereto. Ir. Md. Shah Nuri bin Md. Zain and Rubaiah binti Hj Hashim who are the Directors holding office for a term of two (2) year, which terms is expiring pursuant to Articles 31 of the Articles of Association of CyberSecurity Malaysia. They offer themselves for re-election as a Director and will be considered for approval by the Members of CyberSecurity Malaysia at the Fifth Annual General Meeting 2011.

## **CONTINUING EDUCATION OF DIRECTORS**

Directors are encouraged to attend talks, training programmes and seminars to update themselves on new developments in relation to the industry in which CyberSecurity Malaysia is operating.

## **ANNUAL GENERAL MEETING (AGM)**

The Annual General Meeting represents the principal forum for dialogue and interaction with Members of CyberSecurity Malaysia namely the Ministry of Finance (Inc.) ("MOF (Inc.)") and MOSTI. Members are given an opportunity to raise questions on any items on the agenda of the general meeting. The notice of meeting and annual report is sent out to the Members of CyberSecurity Malaysia at least 21 days before the date of the meeting which is in accordance with the Articles of Association of CyberSecurity Malaysia.

## **INTERNAL CONTROL AND RISK MANAGEMENT**

The Board is responsible for CyberSecurity Malaysia's system of internal controls and its effectiveness. However, such a system is designed to manage CyberSecurity Malaysia's risks within an acceptable risk profile, rather than eliminate the risk of failure to achieve the policies and business objective of CyberSecurity Malaysia. The prescribing and maintenance of a system of internal controls, however, provides a reasonable assurance of effective and efficient operations, and compliance with laws and regulations, as well as with internal procedures and guidelines.

The Board has, through the Management, carried out the ongoing process of identifying, evaluating and managing the key operational and financial risks confronting CyberSecurity Malaysia. The Board embarked on a review of the existing risk control and risk management, implementing and entrenching the risk management culture and functions within CyberSecurity Malaysia.

The internal risk control and management programmes prescribed by the Board include policies and procedures on risks and control by identifying and assessing the risks faced, and in the design, operation and monitoring of suitable internal controls to mitigate and control these risks.

The Board is of the view that the system of internal controls in place for the year under review and up to the date of issuance of the annual report and financial statements is sufficient to safeguard the interests of the stakeholders, clients, regulators and employees, and CyberSecurity Malaysia's assets.

# Notice of the Sixth Annual General Meeting

## Notice of Annual General Meeting

NOTICE IS HEREBY GIVEN THAT the 6th Annual General Meeting of CYBERSECURITY MALAYSIA will be held by way of Members' Circular Resolution pursuant to Article 20 of the Company's Articles of Association on or before 29 June 2012 to transact the following business:

### AS ORDINARY BUSINESS

- |    |   |                       |
|----|---|-----------------------|
| 1. | To receive the Audited Financial Statements for the financial year ended 31 December 2011 together with the Reports of the Directors and Auditors thereon;  | Ordinary Resolution 1 |
| 2. | To re-elect YBhg. Datuk Abang Abdul Wahap bin Abg Julai who is a Director holding office for a term of two (2) years, which term is expiring pursuant to Article 31 of the Company's Articles of Association, and being eligible, offers himself for re-election;                             | Ordinary Resolution 2 |
| 3. | To re-elect YBhg. Datuk Dr Abdul Raman bin Saad who is a Director holding office for a term of two (2) years, which term is expiring pursuant to Article 31 of the Company's Articles of Association, and being eligible, offers himself for re-election;                                     | Ordinary Resolution 3 |
| 4. | To re-elect YABhg. Gen Tan Sri Dato' Seri Panglima Mohd Azumi bin Mohamed (Retired) who is a Director holding office for a term of two (2) years, which term is expiring pursuant to Article 31 of the Company's Articles of Association, and being eligible, offers himself for re-election; | Ordinary Resolution 4 |
| 5. | To re-elect Puan Rohani binti Mohamad who is a Director holding office for a term of two (2) years, which term is expiring pursuant to Article 31 of the Company's Articles of Association, and being eligible, offers herself for re-election;   | Ordinary Resolution 5 |
| 6. | To appoint Messrs Afrizan Tarmili Khairul Azhar and Messrs AFTAAS Sdn Bhd as the External Financial Auditors and Tax Consultant respectively of the Company and to authorize the Directors to fix their remuneration;   | Ordinary Resolution 6 |

### AS SPECIAL BUSINESS

- |    |  |                       |
|----|--|-----------------------|
| 7. | To approve the Director's accumulated monthly allowance totaling RM114,000.00 for the financial year ended 31 December 2011; and | Ordinary Resolution 8 |
| 8. | To transact any other business of which due notice shall have been given in accordance with the Companies Act, 1965.             |                       |

BY ORDER OF THE BOARD

JAILANY BIN JAAFAR (LS 8843)  
Company Secretary

Selangor Darul Ehsan  
Date :

**NOTES:**

1. A proxy need not be a member of the CyberSecurity Malaysia PROVIDED that a member shall not be entitled to appoint a person who is not a member as his proxy unless that a person is an advocate, an approved company auditor or a person approved by the Registrar of Companies.
2. The instrument appointing a proxy shall be in writing under the hand of the appointor or his attorney duly authorized in writing or if the appointor is a body corporate, either under seal or under hand of the officers of attorney duly authorized.
3. To be valid the proxy form duly completed must be deposited at the Registered office of the CyberSecurity Malaysia at Level 8, Block A, Mines Waterfront Business Park, No. 3 Jalan Tasik, The Mines Resort City, Seri Kembangan, 43300 Selangor Darul Ehsan, Malaysia not less than forty-eight (48) hours before the time for holding the meeting.



## CYBERSECURITY MALAYSIA

(Company No: 726630-U)

(Incorporated in Malaysia)

# FORM OF PROXY

\*I/We .....

of .....

.....

being a Member of the Company hereby appoint .....

.....

of .....

.....

or failing him .....

.....

of .....

as\*my[/our] proxy to vote for \*me/us on my/our behalf at the Fourth Annual General Meeting

of the Company to be held at the Board Room of the Company, Level 8, Mines Waterfront

Business Park, No. 3, Jalan Tasik, The Mines Resort City, 43300 Seri Kembangan, Selangor on the

..... day of ..... 20 ..... time ..... and at any adjournment hereof.

Signed this ..... day of..... 20....

### (Signature of Appointor)

*\*Delete whichever is not desired*

### Note:

1. A Proxy need not be a member of the CyberSecurity Malaysia PROVIDED that a member shall not be entitled to appoint a person who is not a member as his proxy unless that person is an advocate, an approved company auditor or a person approved by the Registrar of Companies.
2. The instrument appointing a proxy shall be in writing under the hand of the appointor or his attorney duly authorized in writing or if the appointor is a body corporate, either under seal or under hand of the officer or attorney duly authorized.
3. To be valid the proxy form duly completed must be deposited at the Registered Office of the CyberSecurity Malaysia at Level 8, Block A, Mines Waterfront Business Park, No. 3 Jalan Tasik, The Mines Resort City, 43300 Seri Kembangan, Selangor Darul Ehsan.

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## Management Committee\*



**1. Lt Col (Retired) Prof. Dato' Husin Bin Jazri**

*Director and Chief Executive Officer*

**2. Zahri Bin Yunos**

*Chief Operating Officer*

**3. Roshdi Bin Ahmad**

*Vice President, Corporate Planning and Strategy Division*

**4. Mohd Roslan Bin Ahmad**

*Vice President, Management Services Division*

**5. Adli Bin Abd Wahid**

*Vice President Cyber Security Responsive Services (CSRS) Division & Head, Malaysia CERT (MyCERT)*

**6. Dr. Solahuddin Bin Shamsuddin**

*Vice President, Research*

**7. Lt Col Mustaffa Ahmad (Retired)**

*Vice President, Outreach*

**8. Mohd Shamir Bin Hashim**

*Vice President, Multilateral Engagement and Industry Development*

**9. Jailany Bin Jaafar**

*Head, Legal and Secretarial Company Secretary*

**10. Razman Azrai Bin Zainudin**

*Head, Strategy Management Secretariat of the Management Committee*



\*Management Committee from January to September 2011

# Operations Review

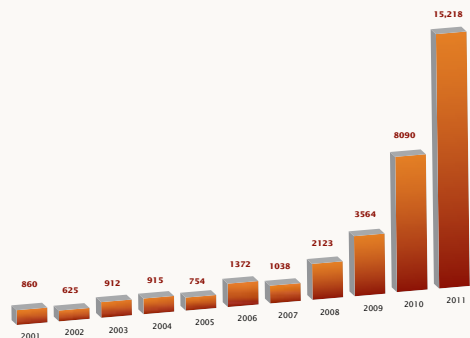
## Foreword from the CEO



“The increase in incidents is understandable, because as a rapidly developing country, our dependency on ICT is also increasing. Even though advancement in ICT is a positive development, it unfortunately also makes us vulnerable to various forms of cyber threats.”

2011 is a memorable year for many reasons. Firstly, it is the beginning of a promising new decade. Secondly, it is the kick-off year for many innovative projects under the 10th Malaysia Plan. And thirdly, it marks the 10th anniversary of the official launching of CyberSecurity Malaysia.

2011 also recorded a significant increase in the number of cyber security incidents affecting Internet users in Malaysia.



**Graph 1:** Cyber Security Incidents Reported to the Cyber999 Help Centre of CyberSecurity Malaysia from 2001 to 2011.



The number of reported incidents to the Cyber999 Help Centre tremendously increased after we launched the service to the public in July 2009. One year after the launch, in 2010, the number of incidents increased by 127% from 3,564 to 8,090. By 2011 the number jumped by another 88% from 8,090 to 15,218 incidents. (more statistics available at [www.mycert.org.my](http://www.mycert.org.my)).

The increase in incidents is understandable, because as a rapidly developing country, our dependency on ICT is also increasing. Even though advancement in ICT is a positive development, it unfortunately also makes us vulnerable to various forms of cyber threats.

However, the budget allocated to CyberSecurity Malaysia in 2011 was lower compared to previous years. It was a setback but we decided not to let it ruin our spirit. Our immediate reaction to the budget cut was to implement cost cutting measures across the board. Next, we did a 'stock check' of what CyberSecurity Malaysia stood for; whether or not it was still relevant to our beloved country and its people. We re-evaluated our activities, achievements and shortfalls over the past 10 years.

**We realize there's a popular misconception that spending money on security is a waste, especially when people have been living in peace, in the absence of threats for a long period of time.**

Just like a security guard on the front door securing everything inside the building, CyberSecurity Malaysia is on the front line of the national cyberspace, securing every computer that is connected to the Internet. But people forget easily. There comes a time when people start to question a security guard's relevance. They would ask "there has been no robbery over the years, why should we keep him?" They would say: "what a waste of money it has been paying him year after year, when there's no threat or danger".

We believe, the same misconception could affect CyberSecurity Malaysia, hence we need to improve our engagement with our customers. We must implement programmes that could be felt directly by the Malaysian people – the same people that we have kept safe for more than 10

years. We need to inform them about the spirit behind the creation of CyberSecurity Malaysia, and why they still need us.

**Coincidentally, 2011 was also the year of Hacktivism. In June, Malaysia was attacked by the 'Anonymous', a group of international hackers also known as 'hacktivist'.**

Hacktivism like the Anonymous and LulzSec are international hacker groups that launch cyber-attack for a specific cause or for a political purpose. Allegedly, these hacktivists have been involved in attacking governments and various high-profile organisations like the IMF, Sony, Citibank, Bethesda and Lockheed Martin Corp. But nobody expected them to be interested in attacking Malaysia. Malaysians who have been sitting complacent for so long thought that Malaysia's cyberspace would remain peaceful and safe. But they were proven wrong.



The Anonymous group announced in advance their intention to attack the [www.malaysia.gov.my](http://www.malaysia.gov.my) website, purportedly as a sign of protest against the Government's decision to block illegal file-sharing websites. The attack was scheduled at precisely 7.30pm GMT of Wednesday 15th June 2011 (Malaysian time: 3.30am Thursday 16th June 2011). They named it "Operation Malaysia", and invited local hackers to join them. The local hackers welcomed the call. In fact, the local underworld not only supported the Anonymous group, but they also began to attack earlier than scheduled. In the aftermath of "Operation Malaysia", it was estimated that more than 200 Malaysian websites had been defaced or attacked, and 80% of the attackers were local.

# Operations Review

## Foreword from the CEO



(Photo: Artistic impression of the proposed CyberSecurity Malaysia Building & Innovation Centre at Cyberjaya)

“Operation Malaysia” proved to be a success as far as the bad guys are concerned. Because it was pre-announced over the Internet, the attack created media frenzy and received excellent media coverage.

Somehow the attack and the publicity served as a wake up call for our ‘safe and complacent’ populations. During the attack period our phones never stopped ringing. The incident shows that the Malaysian people still remember us. It proves that when there’s a cyber emergency, CyberSecurity Malaysia is the place to go for help.

**2011, which was our 10th anniversary year, may have dawned on us with a gloomy outlook, but it left us with a bright outlook for the future.**

In November, our proposal for CyberSecurity Malaysia Building & Innovation Centre at Cyberjaya was finally approved after 5 years in waiting. We consider this as a gift from the Government in recognition of CyberSecurity Malaysia’s efforts over the last 10 years.

For all the support and hard work that made 2011 another successful year for CyberSecurity Malaysia, I would like to thank all our stakeholders, especially the members of the Board and the Staff.

Last but not least, I would like to mention that in this 2011’s annual report, the spirit of cost saving is upheld. We have reduced the number of pages, by focusing only on relevant information, and bearing in mind that basic corporate information are already made available at our website. We will strive to make the annual report even lighter in future by reducing redundant information and keeping the number of pages at optimum level. This will help us save on printing costs, and make it faster for our stakeholders to download the pdf version from our website. It will also make the e-book version loads faster.



**Lt Col (Retired) Prof. Dato' Husin Jazri**  
Chief Executive Officer

# Operations Review

## Key Performance Indicators

CyberSecurity Malaysia contributed nine (9) Key Performance Indicators at the Ministry level (MKPI). Three (3) of the MKPI are also the KPI of the Minister of Science, Technology and Innovation.

### Corporate KPI of CyberSecurity Malaysia

- |    |   |
|----|---|
| 1. | To achieve brand recognition  |
| 2. | More Malaysians to obtain globally-recognized professional certifications in cyber security                   |
| 3. | National proactive & defensive capabilities in mitigating emerging threats                                    |
| 4. | National acculturation in cyber security by raising the level of awareness of cyber security among Malaysians |
| 5. | To boost local cyber security industry competitiveness and catalyze industry growth through partnership       |

### CyberSecurity Malaysia's KPI at Ministry level (MKPI)

- |    |   |
|----|---|
| 1. | <b>CyberSecurity Malaysia's MKPI that supports Minister's KPI</b> <ol style="list-style-type: none"><li>1. Number of trained Knowledge worker (K-Worker), with professional qualification or certification</li><li>2. Number of Science &amp; Technology and Innovation projects distributed to the public</li><li>3. Number of people involved in the Science &amp; Technology and Innovation projects distributed to the community/public.</li></ol>  |
| 2. | <b>CyberSecurity Malaysia's MKPI</b> <ol style="list-style-type: none"><li>4. Number of technology shared/transferred to companies/agencies.</li><li>5. Number of publication (except for publication from MOSTI's fund as per report by MASTIC)</li><li>6. Number of knowledge workers trained through employee development programmes (excluding K-employees trained using MOSTI HCD fund as per report by HRD unit)</li><li>7. Number of awareness programmes for Science, Technology and Innovation</li><li>8. Number of Internet users benefiting from the services of CyberSecurity Malaysia's Cyber999 Help Centre</li></ol> |
| 3. | <b>CyberSecurity Malaysia's MPKI that supports MOSTI's Special KPI – 'Tahun Penggalakan Sains 2011'</b> <ol style="list-style-type: none"><li>9. Number of community programme organised with the theme "Go Science, Love Maths 2011"</li></ol>   |

# Operations Review

To achieve our KPI, we looked for ways to self-finance our programmes and activities.

For instance, community activities such as CyberSAFE and Securing Digital City programme were sponsored by partner organisations within the ICT industry players.

Overall, CyberSecurity Malaysia was able to meet the targets for its KPI in 2011, whether at corporate level or ministry level. For this, I would like to thank all the employees of CyberSecurity Malaysia for managing and utilising our limited resources prudently and wisely.

**2011 was a good year in terms of exposure and visibility of the CyberSecurity Malaysia brand.**

A total of 808 local and international media coverage were recorded (excluding blogs and other social media). It was 229% more, if compared with 2010, in which we received a total of 245 media coverage. Estimated PR value of the news coverage during the year 2011 is RM14 million, more than doubled from RM6 million in 2010. This did not include the value of publicity through social networking sites and blogs.

The media-engagement activities were organised by CyberSecurity Malaysia in collaboration with industry partners (who also sponsored the events) such as Bernama, The Star, Microsoft, Fortinet, NGTS, Norton (Symantec), Akamai, PayPal and Kaspersky. Through the media, we were able to convey the message that cyber security is an important aspect of life in the digital age.

To complete this operation's review, in the following pages we append a list of CyberSecurity Malaysia's achievements and activities throughout 2011.

## 2011 Achievements

### 1.0 Leading the way among the international community of CERTs

#### 1.1 OIC-CERT

In 2005, CyberSecurity Malaysia co-founded the Organisation of Islamic Cooperation - Computer Emergency Response Team (OIC-CERT). During the 3rd Annual Conference and General Meeting 2011 held in Dubai, UAE from the 26 - 28 September 2011, CyberSecurity Malaysia was re-elected for another term of two years as Chair of the OIC-CERT.

#### 1.2 APCERT

CyberSecurity Malaysia is one of the co-founders of the Asia Pacific Computer Emergency Response Team (APCERT), which now has 25 members comprising Computer Emergency Response Teams (CERTs) and Computer Security Incident Response Teams (CSIRTs) in the Asia Pacific region.

CyberSecurity Malaysia was the Chair of APCERT from 2007 to 2008. It released the APCERT Chairmanship in 2009 but remained as a member of the steering committee for the 2009-2010 term.

Recently, during the APCERT conference and annual general meeting in South Korea, CyberSecurity Malaysia was re-appointed as member of APCERT Steering Committee for the term 2011-2013.

### 2.0 Global acceptance and recognition

#### 2.1 First in ASEAN region to receive the CCRA Certificate Authorising Participant Status

Malaysia, through CyberSecurity Malaysia has been unanimously accepted by members of Common Criteria Recognition Arrangement (CCRA) as



Certificate Authorising Participant of the CCRA community in September 2011.

This is a great achievement by CyberSecurity Malaysia, for succeeding to raise the image of Malaysia as a country that is at par with developed countries. Being a Certificate Authorising Participant will help producers and suppliers of local ICT products to enter global markets. As an Authorising Participant, all certificates issued by Malaysia's certification body under the Common Criteria MS ISO/IEC 15408 are now recognised and accepted worldwide by all the CCRA members.

The efforts to attain the status of Certificate Authorising Participant for Malaysia, took CyberSecurity Malaysia five years of hard work. We started by developing the Malaysia Common Criteria Scheme or MyCC in 2006, and became a Consuming Participant of CCRA in 2008. The CCRA audited our facilities and human resource capabilities in 2010. After passing the audit, our application for membership as a Certificate Authorising Participant was submitted to the members of CCRA for vetting and selection. In September 2011, all the members voted unanimously to accept us as the first CCRA Certificate Authorising Participant in the ASEAN region.

## **2.2 First in the Asia Pacific region to receive ASCLD/LAB accreditation in multimedia digital forensic**

The Digital Forensic Laboratory of CyberSecurity Malaysia passed the certification audit by the American Society of Crime Laboratory Directors/ Laboratory Accreditation Board (ASCLD/LAB) and became the first multimedia digital forensic lab in the Asia Pacific region to be certified or accredited with ISO/IEC 17025.

Just like obtaining the CCRA Certificate Authorising Participant status, the ASCLD/LAB accreditation was not an overnight success. We started the preparation to comply with ASCLD/LAB requirement since 2006. It was a lot of

hardwork and perseverance for the past five years.

## **2.3 Asia Pacific champion for ethical hacking competition**

CyberSecurity Malaysia became the Asia Pacific champion after winning the ethical hacking competition called 'Cyberlympics' organised by EC-Council. Participants from CyberSecurity Malaysia will represent Asia Pacific in the Global Cyberlympics Final Championship in the USA in 2012.

## **2.4 Six honorees of the Asia Pacific 2011 Information Security Leadership Achievement Programme (ISLA)**

Six (6) of CyberSecurity Malaysia employees received the ISLA award under the Asia Pacific 2011 Information Security Leadership Achievement Programme (ISLA) by the International Information System Security Certification Consortium (ISC)2. We had five ISLA honorees in 2010 and three in 2009.

# **2011 Activities**

## **3.0 Major Events & Conference**

3.1 February 2011. CyberSAFE activities in conjunction with the 'Safer Internet Day 2011' with the theme "It's more than a game, it's your life" were held throughout February 2011. The main activities on 9-10 February involved students from UniKL, and other public and private universities; and also students from 14 schools from all over Malaysia. Activities include KLGrenHAT Ethical Hacking Competition, awareness talks, Cyber Hunt, Wide Web Wheel, exhibition, and Self-defense Challenge Cup.

3.2 March 10 - April 10, 2011. Collaborated with Microsoft for 'Safer Internet Month' campaign. Various awareness activities were conducted under the CyberSAFE in Schools umbrella.

# Operations Review

- 3.3 March 21-23, 2011 . The first meeting of 'CSCAP Study Group (CSCAP SG) on Cyber Security', where CyberSecurity Malaysia as a representative of CSCAP Malaysia was also appointed as co-chair of CSCAP SG on Cyber Security, together with CSCAP Singapore, CSCAP India and CSCAP Australia. CSCAP = Council for Security Cooperation in the Asia Pacific ([www.cscap.org](http://www.cscap.org))
- 3.4 April 27-29, 2011. The 5th Counter e-Crime Operations Summit (CeCOS V), in collaboration with the Anti-Phishing Working Group (APWG), a global organization. It was the first CeCOS ever held in the ASEAN region. Before this, CeCOS was held in the USA (2007), Japan (2008), Spain (2009) and Brazil (2010).
- 3.5 July 5-7, 2011. AGCSM Seminar - in collaboration with the Attorney General's Chambers. The theme of the three-day AGCSM Seminar was "BRIDGING BARRIERS: LEGAL AND TECHNICAL OF CYBER CRIME CASES"
- 3.6 July 30, 2011. 'CyberSAFE through Performing Arts' in collaboration with the National Department For Culture and Arts, Perak (JKKN). The event was held in conjunction with JKKN's 'Pusat Seni Setempat', a monthly event organized to invoke appreciation of the various forms of culture and arts. Activities include exhibitions on CyberSAFE, CyberHunt, CyberSAFE through Comics and CyberSAFE through Creative Writing. This event received encouraging support and participation from seven schools under the Majlis Amanah Rakyat (MARA), known as Maktab Rendah Sains MARA (MRSM).
- 3.7 September 27-29, 2011. The 12th International Common Criteria Conference (12thICCC). It was the first ICCC ever held in South East Asia. During the opening ceremony, the Chairman of the Common Criteria Management Committee announced that Malaysia, through CyberSecurity Malaysia has been unanimously accepted by members of Common Criteria Recognition Arrangement (CCRA) as Authorising Participant of the CCRA community.
- 3.8 November 15-16, 2011. The 4th National Cyber Crisis Exercise or X-Maya 4 - in collaboration with the National Security Council (MKN). X-Maya has been held annually since 2008 as part of the 'Thrust 7: Emergency Readiness' of the National Cyber Security Policy (NCSP), led by MKN. Two preparatory workshops were also conducted.
- 3.9 November 15, 2011. Launching of the 'Digi CyberSAFE' programme, a year-long smart partnership with Digi Telecommunications Sdn. Bhd. (Digi), Childline and Ministry of Education to increase the outreach of awareness activities in schools throughout Malaysia.
- 3.10 November 21-25, 2011. A five-day OIC-CERT Technical Workshop at Jerudong, Brunei Darussalam - in partnership with Brunei Darussalam Computer Emergency Response Team (BruCERT) and the Islamic Development Bank. CyberSecurity Malaysia organised this workshop in its capacity as the Chair of the Organization of Islamic Cooperation-Computer Emergency Response Team or "OIC-CERT".
- 3.11 November 25, 2011. 'Securing Digital City (SDC) Symposium' was organised for the first time in Ipoh, Perak. KPerak Implementation & Coordination Corporation supported the one-day symposium, which brought together some of the most influential and key people from the government agencies, ministries, private companies, non-governmental organizations (NGOs) as well as the academia to exchange ideas and technology expertise. It was a significant outcome on the deployment of Security Digital City concept in Malaysia, which was first introduced in 2010 as the theme of the Cyber Security Malaysia - Awards Conference and Exhibition (CSM-ACE).
- 3.12 November 30, 2011. The World Computer Security Day 2011- celebrated differently this year, by conducting an

open dialogue with the cyber security community in Klang Valley area.

- 3.13 December 2011. Safe Online Shopping Month' campaign in partnership with PayPal.

#### 4.0 Security Management and Best Practices

- 4.1 Established the Information Security Management System Audit and Certification Scheme (CSM27001) in support of the National Cyber Security Policy (NCSP).
- 4.2 Conducted two seminars as MS ISO/IEC 27001:2007 implementation guidelines to the critical national information infrastructure (CNII) sectors. The seminars were co-organised with Standard Malaysia, and supported by the National Security Council.
- 4.3 Published four (4) 'e-Security Bulletin', distributed online via CyberSecurity Malaysia's website (www.cybersecurity.my) and email subscriptions.
- 4.4 Held a writing workshop for e-Security Bulletin.
- 4.5 Produced new guidelines and best practices documents:
- 4.5.1 Guideline on Mobile Security
- 4.5.2 Guidelines on Blackberry Handheld Usage
- 4.5.3 Guidelines on Usage of Social Networking Sites
- 4.6 Business Continuity Management (BCM) implementation projects
- 4.7 Conducted workshops, discussions, audit and various activities for ISO/IEC 27001:2005 certification processes.

#### 5.0 Cyber Security Awareness For Everyone (CyberSAFE)

- 5.1 CyberSAFE activities in conjunction with the 'Safer Internet Day 2011'.

- 5.2 'Safer Internet Month' campaign with Microsoft. (10 March to 10 April 2011).

- 5.3 'Karnival Mesra Belia Sarawak 2011' for DUN Tupong and DUN Samariang.

- 5.4 Cyber Security Awareness Day in conjunction with 'Pusat Seni Setempat' programme by JKKK, Perak. Activities include CyberSAFE exhibition and four competitions, namely CyberSAFE through Performing Arts, Cyberhunt, CyberSAFE through Komik, and CyberSAFE through creative writing. The activities were supported by CELCOM, Kelab Anak Malaysia, Kaspersky and Key Platinum Sdn Bhd.

- 5.5 The implementation of 'CyberSAFE in Schools' programme involving 26 schools, 10,190 students, and 802 teachers/staff.

- 5.6 The number of organizations and schools reached by via the implementation of CyberSAFE programme in various regions: Northern, Central, Southern, East Coast, Sabah, and Sarawak, is given in the table below:

Region	No of Schools Reached	No of Organisations Reached
Central	12	50
Northern	6	15
Southern	4	10
East Coast	2	9
Sabah	1	1
Sarawak	1	4
TOTAL	26	89

#### 6.0 Information Security Development Programme

- 6.1 Cyber security specialist training at the Akademi Kastam Diraja Malaysia (AKMAL), Melaka; Kementerian Pertahanan Malaysia (MINDEF), Kuala Lumpur; Kementerian Perdagangan Dalam Negeri, Koperasi dan Kepenggunaan, Putrajaya; Jabatan Farmasi Kedah, Kedah.

# Operations Review

- 6.2 Digital forensic course specifically for the officers of Ministry of Interior, Kingdom of Saudi Arabia for three weeks (17 Jan - 18 Feb 2011). It was held at CyberSecurity Malaysia's training centre and attended by eight officers.
  - 6.3 Digital forensic courses requested by local agencies, such as: Maktab Polis Diraja Malaysia, Cheras; Institut Latihan Kehakiman dan Perundangan (ILKAP), Bangi; Ibu Pejabat Kontinjen (IPK) Kuala Lumpur; Suruhanjaya Syarikat Malaysia (SSM), Janda Baik, Pahang; MIMOS Berhad; and Universiti Teknologi Mara (UiTM) Arau, Perlis.
  - 6.4 'Kursus Siasatan Forensik & Keterangan Digital Dalam Pendakwaan', Sungai Petani.
  - 6.5 Training workshop on 'Protection Profile (PP) for Card Acceptance', Seri Kembangan, Selangor.
  - 6.6 Digital forensic course for the public sector employees who are non-ICT educated, Ipoh, Perak.
  - 6.7 Training on 'Fundamental of Network Security', Anti Terrorism Assistance Program, US Embassy.
  - 6.8 On-the-job training - Kementerian Perdagangan Dalam Negeri, Koperasi dan Kepenggunaan, Putrajaya.
  - 6.9 Training on 'Incident Response & Handling for Computer Security & Incident Response Team' organised by the Malaysian Computer Emergency Response Team (MyCERT) and opened to public.
  - 6.10 Training on 'Introduction to PCI DSS' organised by the Information Security Certification Body (ISCB) of CyberSecurity Malaysia.
  - 6.11 Training on 'Developing Digital Safety Awareness, Digital Skills and Digital Citizenship' organised by the Outreach Department of CyberSecurity Malaysia.
  - 6.12 'ISO 27005:2011 ISMS Risk Management Training' organised by the Information Security Certification Body (ISCB).
  - 6.13 Training on 'NC4 & OTRS' by Malaysian Computer Emergency Response Team (MyCERT) and Security Management & Best Practice (SMBP).
  - 6.14 Training on 'Certified Information Systems Security Professional (CISSP)' organised by the Information Security & Professional Development (ISPD) in collaboration with the International Information System Security Certification Consortium (ISC)2.
  - 6.15 Training on 'Systems Security Certified Practitioner (SSCP)' organised by the Information Security & Professional Development (ISPD) department in collaboration with the International Information System Security Certification Consortium (ISC)2.
  - 6.16 Training on 'Bank Negara Forensic' organised by the Digital Forensic Department of CyberSecurity Malaysia.
  - 6.17 Training on 'Introduction to Cryptography' organised by the Cyber Technology Research (CTR) Department of CyberSecurity Malaysia.
- 7.0 'Securing Digital City' (SDC) Programme in Perak Darul Ridzuan**
- 7.1 Organised 'SDC Symposium' at Ipoh, Perak
  - 7.2 Briefing at Politeknik Ungku Omar, Perak
  - 7.3 Participated in the 'Karnival Jalur Lebar 1Malaysia', Taiping, Perak
  - 7.4 Participated in the 'Karnival Rukun Tetangga & IT', Ulu Kinta, Perak
  - 7.5 Conducted 'SDC Challenge' and participated in the 'Pesta IT Malaysia' at Ipoh, Perak
  - 7.6 Vulnerability Assessment Services for 50 days, for the Office of SUK Perak.

# Financial Report

## STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2011

	2011 RM	2010 RM
<b>ASSETS</b>		
<b>Non Current Assets</b>		
Property, plant and equipment	26,918,169	29,907,889
Intangible assets	2,472,145	3,207,060
	<b>29,390,314</b>	<b>33,114,949</b>
<b>Current Assets</b>		
Trade receivables	117,739	1,160,847
Other receivables	830,221	961,728
Short term deposits with licensed banks	1,300,000	5,000,000
Cash and bank balances	1,080,484	1,724,233
	<b>3,328,444</b>	<b>8,846,808</b>
<b>Total Assets</b>	<b>32,718,758</b>	<b>41,961,757</b>
<b>RESERVES AND LIABILITIES</b>		
<b>Reserves</b>		
Accumulated reserves	1,435,369	1,509,686
<b>Non Current Liabilities</b>		
Government grants	29,923,772	40,237,037
<b>Current Liabilities</b>		
Other payables and accruals	1,345,773	164,120
Tax payable	13,844	50,914
	<b>1,359,617</b>	<b>215,034</b>
<b>Total Reserves and Liabilities</b>	<b>32,718,758</b>	<b>41,961,757</b>



# Financial Report

## STATEMENT FOR COMPREHENSIVE INCOME FOR THE YEAR ENDED 31 DECEMBER 2011

	2011	2010
	RM	RM
<b>INCOME FROM GRANT</b>	40,236,427	47,985,108
OPERATING REVENUE	2,384,849	1,892,843
OTHER INCOME	57,776	213,924
	<b>42,679,052</b>	<b>50,091,875</b>
STAFF COST	(17,812,954)	(21,399,354)
DIRECTORS' EMOLUMENTS	(696,283)	(540,948)
DEPRECIATION AND AMORTISATION	(4,853,069)	(4,406,540)
RENTAL	(4,195,601)	(4,323,685)
OTHER OPERATING EXPENSES	(15,165,272)	(19,438,534)
DEFICIT OF INCOME BEFORE TAXATION	(44,127)	(17,184)
TAXATION	<b>(30,190)</b>	<b>(50,914)</b>
TOTAL COMPREHENSIVE DEFICIT FOR THE YEAR	<b>(74,317)</b>	<b>(68,098)</b>

# Financial Report

## STATEMENT OF CHANGES IN RESERVES FOR THE YEAR ENDED

	Accumulated Reserves
	RM
As at 1 January 2010	1,577,784
Total comprehensive deficit for the year	(68,098)
Balance at 31 December 2010	1,509,686
Total comprehensive deficit for the year	(74,317)
Balance at 31 December 2011	1,435,369

# Financial Report

## STATEMENT OF CASH FLOW FOR THE YEAR ENDED 31 DECEMBER 2011

	2011	2010
	RM	RM
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
<b>Surplus/(deficit) of income before tax</b>	(44,127)	(17,184)
Adjustments for:		
Depreciation of property, plant and equipment	3,897,598	3,474,728
Amortisation of intangible assets	956,138	931,810
Interest income	(55,376)	203,653
Grant income recognised	(40,236,427)	(47,985,108)
Operating loss before working capital changes	(35,438,067)	(43,782,223)
Changes in working capital :-		
Increase in trade receivables	1,043,108	(499,902)
Decrease/(Increase) in other receivables	141,859	153,764
(Increase)/decrease in other payables	1,181,653	(1,181,178)
	(33,071,447)	(45,309,539)
Operating government grants	18,000,000	12,144,000
Interest received	55,376	203,653
Tax Paid	(67,261)	(355,837)
Net cash used in operating activities	15,127,459	(33,334,897)
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Purchase of property, plant and equipment	(918,229)	(5,774,988)
Purchase of intangible assets	(221,223)	(793,157)
Net cash used in investing activities	(1,139,452)	(6,568,145)
Development government grants received	11,923,162	22,422,064
<b>NET (DECREASE)/INCREASE IN CASH AND CASH EQUIVALENTS DURING THE YEAR</b>	(4,343,749)	(17,480,978)
<b>CASH AND CASH EQUIVALENTS AT BEGINNING OF THE YEAR</b>	6,724,233	24,205,211
<b>CASH AND CASH EQUIVALENTS AT END OF YEAR</b>	2,380,484	6,724,233
<b>CASH AND CASH EQUIVALENTS COMPRISE</b>		
Fixed deposit	1,300,000	5,000,000
Cash and bank balances	1,080,484	1,724,233
	2,380,484	6,724,233



# special section

CyberSecurity Malaysia  
10<sup>th</sup> Anniversary  
2001-2011

## Historical Background

The establishment of CyberSecurity Malaysia began on the 13th of January 1997, when the Malaysia Computer Emergency Response Team or MyCERT ([www.mycert.org.my](http://www.mycert.org.my)) was created as a unit within MIMOS ([www.mimos.my](http://www.mimos.my)).

As the usage of Information and Communication Technology (ICT) began to increase exponentially, security issues relating to ICT emerged causing damages. Hence, the National

Information Technology Council or NITC ([www.nitc.my](http://www.nitc.my)) called for the establishment of an agency to address the emerging ICT security issues in Malaysia.

As a result, the National ICT Security & Emergency Response Centre (NISER) was created on the 24th of January 1998 as a department within MIMOS, and MyCERT became a core unit within NISER.

1997



1998  
- 2005



The Deputy Prime Minister of Malaysia officially launched NISER on the 10th of April 2011

The launching ceremony took place at Nikko Hotel Kuala Lumpur (now known as Intercontinental Hotel at Jalan Ampang, Kuala Lumpur)

In November of the same year, NISER conducted a Panel of Expert (PoE) meeting.

The PoE was formed in response to developments in security issues throughout the world. It was

the first group of ICT security experts in the country gathered to act as an independent and interactive 'think-tank' for the purpose of helping the nation navigate through the complexities of information technology security.

The first designated chairperson of the PoE was Dr Mohamed Awang Lah.



“Through the Joint Cabinet Notes No. H609/2005 between the Ministry of Finance and MOSTI, the Cabinet Meeting on 28 September 2005 agreed to establish NISER (now known as CyberSecurity Malaysia) as a national body to monitor aspects of National e-Security, separated from MIMOS as an independent agency and incorporated as a company Limited-by-Guarantee under the purview of the Ministry of Science, Technology and Innovation ”

MIMOS launched NISER in 2001 but just two years later, in 2003, MIMOS was instructed to focus on R&D activities and to gradually separate businesses, including NISER, from its structure.

Hence, as part of MIMOS rationalisation exercise, NISER was taken out of MIMOS beginning from 2005, and by March 2006, NISER has been transformed into a national cyber security agency under the purview of MOSTI.

Meanwhile, at the national strategic level; during the first National Information Technology Council (NITC) meeting for 2006 (1/2006), the Government decided to implement the National

Cyber Security Policy (NCSP) and to establish an agency to act as the National Cyber Security Agency.

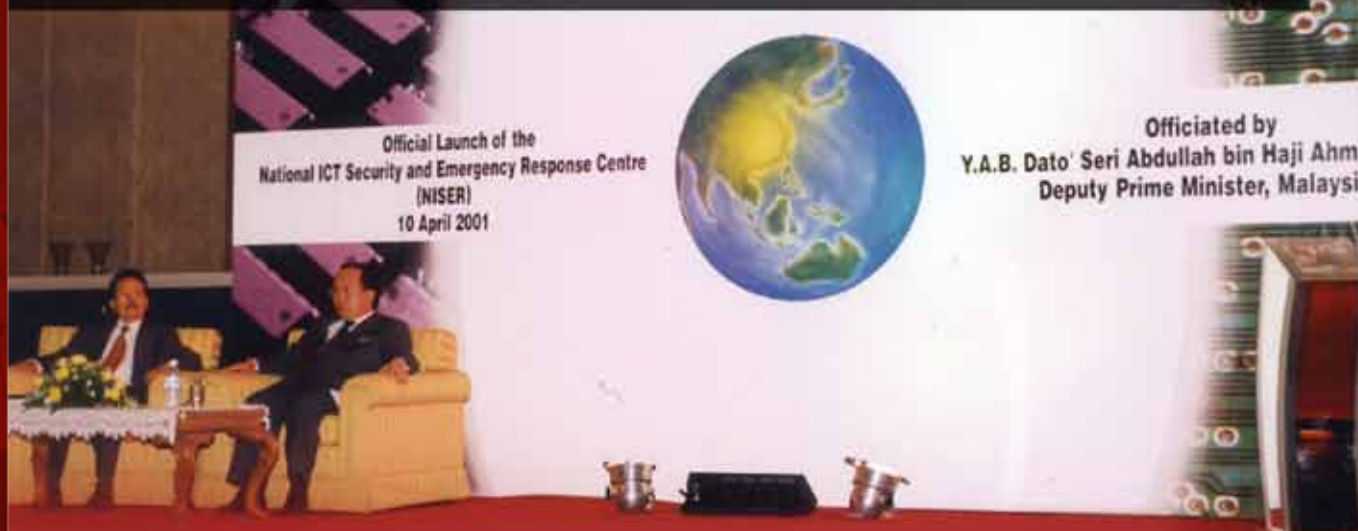
NISER was given the mandate to become the Malaysian Cyber Security Agency and to assist the government in coordinating the implementation of NCSP.

To reflect the additional and bigger mandate, NISER was renamed CyberSecurity Malaysia. On the 20th of August 2007, the Prime Minister of Malaysia launched the new brand name and logo of CyberSecurity Malaysia.

## Historical Background



(Photo: Left to Right)  
Tan Sri Bernard Giluk Dompok, who was the Minister in Prime Minister Department at the time (representing the Deputy Prime Minister); and YM Tengku Datuk Dr Mohd Azzman Shariffadeen bin Tengku Ibrahim who was the President & Chief Executive Officer of MIMOS Berhad at the time.





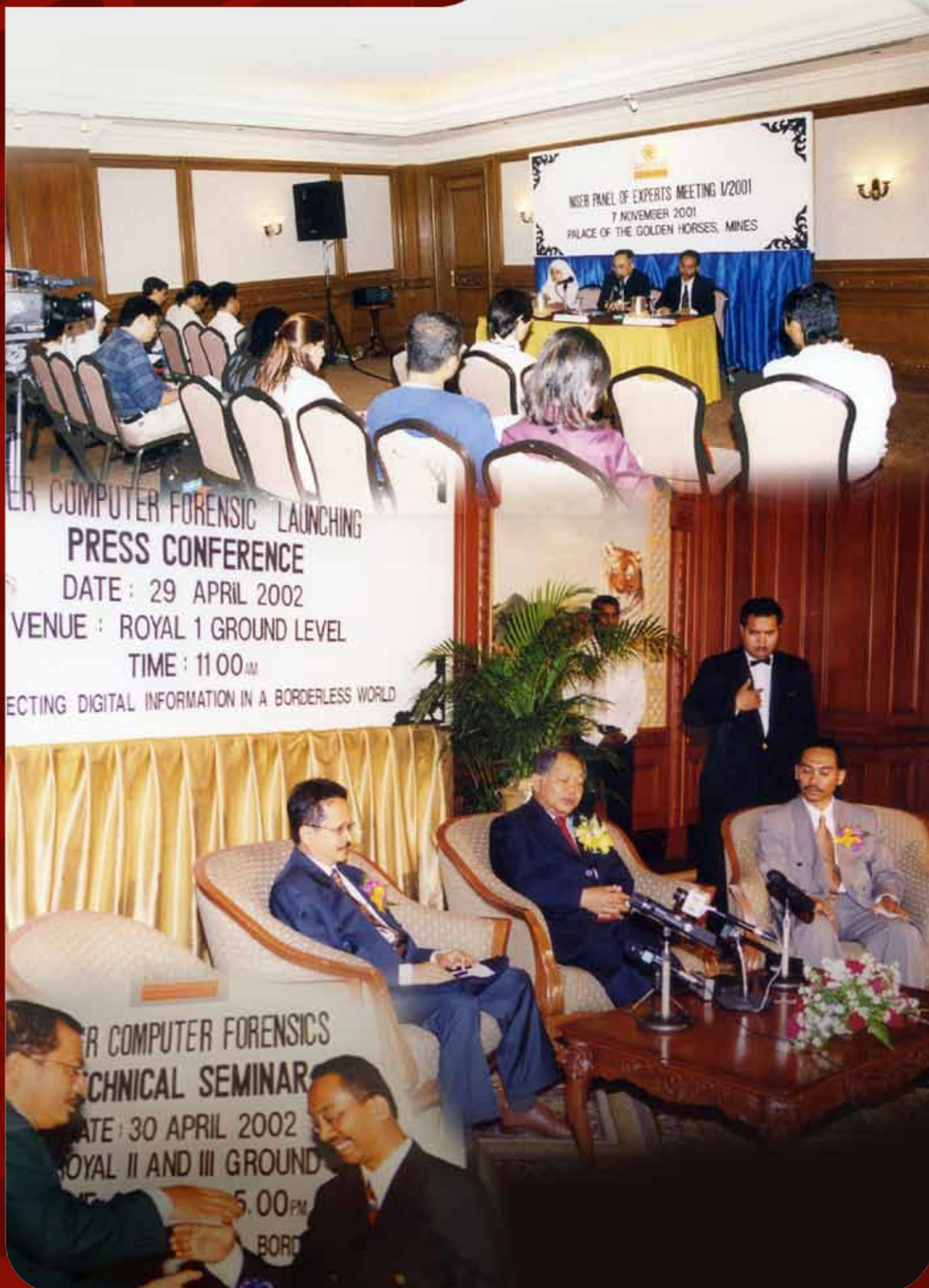
(Photo: Left to Right)

Tan Sri Bernard Giluk Dompok, YM Tengku Datuk Dr Mohd Azzman Shariffadeen, and Lt Col (Retired) Prof Dato' Husin bin Jazri, the Director of NISER who later became the founding Chief Executive Officer of CyberSecurity Malaysia.





## Historical Background



# Milestones 2001 - 2011

## 2001

### 10 April 2001

The National ICT Security & Emergency Response Centre (NISER) was launched by the then Deputy Prime Minister of Malaysia.



## 2007

### 20 August 2007

The then Prime Minister of Malaysia officiated the renaming of NISER to CyberSecurity Malaysia, and launched the new brand name and logo of CyberSecurity Malaysia.



## 2008

### 24 July 2008

CyberSecurity Malaysia coordinated the first National Cyber Crisis Exercise (Cyber Drill) codenamed X-Maya, in collaboration with the National Security Council.



### 25 July 2008

CyberSecurity Malaysia obtained full certification in Information Security Management System (ISMS), ISO/IEC 27001.



### 08 October 2008

The government appointed CyberSecurity Malaysia as the sole Certification Body for the evaluation and certification scheme based on MS ISO/IEC 15408: 2005 Information Technology - Security Techniques - Evaluation Criteria for IT Security.



## 2009

### 15 January 2009

CyberSecurity Malaysia was elected as Chair of the Organisation of Islamic Cooperation - Computer Emergency Response Team (OIC-CERT), thus making Malaysia the first country to chair the OIC-CERT.



### 23 February 2009

Digital Forensic Analysts employed in CyberSecurity Malaysia and who prepare reports on digital forensics have been declared under paragraph 399(2)(f) of the Criminal Procedure Code [Act 593] by the Minister in the Prime Minister's Department as a class of persons (expert witness) to whom the provisions of section 399 of the Criminal Procedure Code shall apply, for the period that they remain employed in CyberSecurity Malaysia.

### 07 July 2009

CyberSecurity Malaysia officially launched the Cyber999 Help Centre to the public.



### 08 July 2009

Created the Malaysia Cyber Security Awards to honor organizational and individual contribution and commitment to cyber security. The inaugural Award Ceremony and Gala Dinner was held at the Kuala Lumpur Convention Centre.





## Historical Background

**THE LAUNCHING CEREMONY OF CYBERSECURITY MALAYSIA WAS OFFICIATED BY THE PRIME MINISTER OF MALAYSIA ON THE 20<sup>TH</sup> OF AUGUST 2007**



Photo (Left to Right):  
Minister of MOSTI (at the time), Dato' Sri Dr. Ir. Jamaluddin bin Mohd. Jarjis; Prime Minister of Malaysia (at the time), Tun Abdullah bin Haji Ahmad Badawi, and Chief Executive Officer of CyberSecurity Malaysia, Lt Col (Retired) Prof Dato' Husin bin Haji Jazri .





## Milestones 2001 - 2011

2010

### 02 November 2009

Official opening of CyberSecurity Malaysia's first branch, the Northern Regional Office at the Perak Techno-Trade Centre in Ipoh, Perak.

### 01 December 2009

Launching of the Malware Research Centre, during the World Computer Security Day celebration in Kuala Lumpur



### 15 March 2010

The Security Assurance Lab obtained MS ISO/IEC 17025:2005 accreditation. This lab provides vulnerability assessment and ICT security evaluation under the Common Criteria MS ISO/IEC 15408 standard.



### 24 September 2010

The Deputy Prime Minister of Malaysia, who is also the Minister of Education launched 'CyberSAFE in School', a cyber security awareness programme for everyone



### 26 November 2010

Appointed by the Ministry of International Trade and Industry as one of the Certifier and Evaluator agencies for Malaysia Trustmark that enables the private sector to implement the e-Commerce and e-Payment system.



2011

### 01 May 2011

Established the Information Security Management System Audit and Certification Scheme (CSM27001) in support of the National Cyber Security Policy (NCSP).



### 27 September 2011

The Common Criteria Recognition Arrangement (CCRA) unanimously accepted Malaysia as a Certificate Authorizing Participant. This means that Malaysia is the first among the ASEAN member countries to become a Certificate Authorizing Member of the Common Criteria ISO/IEC 15408



### 03 November 2011

The digital forensic laboratory of CyberSecurity Malaysia became the first forensic laboratory in Malaysia and the Asia Pacific region that is accredited by ASCLD/LAB for 'Digital & Multimedia Evidence' discipline, based on ISO/IEC 17025:2005 and the ASCLD/LAB - International 2011 supplemental requirement specifically for a digital forensics laboratory.





## Awards 2008 – 2011





## Events 2007 - 2011



**X-MAYA 2008**  
National Cyber Crisis Exercise  
24<sup>th</sup> July 2008

Jointly organized by  
CyberSecurity Malaysia & SecureAsia@KL



**X-MAYA<sub>2</sub>**  
National Cyber Crisis Exercise  
9 & 10 December 2009

Jointly organized by  
CyberSecurity Malaysia & SecureAsia@KL



**X-MAYA**  
National Cyber Crisis Exercise  
4 & 5 August 2010

Jointly organized by  
CyberSecurity Malaysia & SecureAsia@KL



**X-MAYA**  
National Cyber Crisis Exercise 2011

Jointly organized by  
CyberSecurity Malaysia & SecureAsia@KL



Forum of Incident Response and Security Teams  
Technical Colloquium &  
Critical National Information Infrastructure (CNII) Workshop

21 - 24 August 2007  
Crowne Plaza Mutiara



CyberSecurity Malaysia SecureAsia@KL  
Conference & Exhibition  
7 & 8 July 2009  
Kuala Lumpur Convention Centre  
www.informationsecURITYasia.com

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November 30 is  
World Computer Security Day  
Malaysia 2009



**PERTANDINGAN  
MALAM  
KREATIVITI  
MUZIKAL ZON  
SELATAN**

PERKUALIFIKASI MALAYSIA INOVATIF 2009



**SAFER  
INTERNET  
DAY 2010**  
7 FEBRUARY 2010  
MALAYSIA



**CyberSecurityRSA SEMINAR**  
Where the Experts  
Get Security

DATE: 10-11 FEBRUARY 2010  
TIME: 9:00 AM - 5:00 PM  
VENUE: TUN KARDIAH MALAYSIA  
Organized by:  
CyberSecurity Malaysia & RSA



**MAJLIS PELANCARAN  
CYBERSAFE IN SCHOOLS**  
Dianjurkan oleh:  
Majlis Persekutuan Pendidikan Malaysia  
24 SEPTEMBER 2010 | DI SMK TANJONG, KOTA MARA

Program Inovasi @ Sekolah  
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melaksanakan program pengamalan  
kebiasaan yang berkaitan ICT & personal  
keselamatan. Program ini bertujuan  
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**Program Memperkasakan  
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**csm-ace 2010**  
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Securing Our Digital City



**CyberSAFE**  
Self Defense  
Challenge Cup  
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REGISTER NOW!  
From: 10 February 2011 to: 11 March 2011  
At: 18.00. The Centre  
Registration Fee: RM 50.00  
Deadline for: 15 February 2011  
Contact: 03-2061 2000  
CyberSAFE  
CyberSecurity Malaysia



**DiGi  
CyberSAFE  
Programme  
2011**



**Counter eCrime  
Operations Summit**  
CeCOS V Kuala Lumpur  
APWG  
A Conference for eCrime Responders and Security Managers  
Engaging eCrime  
27-29 April 2011



For more info and to register visit  
[www.cybersafe.my](http://www.cybersafe.my)

In Conjunction With  
CyberSAFE  
Cyber Security Awareness For Everyone



**Pertandingan Mewarna  
bersempena  
PROGRAM KARNIVAL  
MESRA BELIA SARAWAK 2011**

Most: Sempang, Sarawak; Tarikh: 26 & 27 Mac 2011; Masa: 9:00 pagi - 6:00 petang



**AGCSM**  
BRIDGING BARRIERS:  
LEGAL AND TECHNICAL OF  
CYBERCRIME CASES  
5 - 7 July 2011



**12<sup>th</sup> ICC 2011**  
27-29 September  
International Common Criteria Conference  
[12iccc.cybersecurity.my](http://12iccc.cybersecurity.my)  
Venue  
One World Hotel, Petaling Jaya,  
Selangor, Malaysia



**SYMPOSIUM  
SECURING DIGITAL CITY**  
25<sup>th</sup> November 2011 | Hotel Heritage, Ipoh



## Activities 2007 - 2011





## Activities 2007 - 2011



**FAMILY DAY 2009**  
SUNWAY LAGOON-SURF BEACH



**Management Seminar on Corporate Strategy for 2008**



**6 - 9 December 2007**  
Hyatt Regency Kuantan Resorts



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