# CyberSecurity
**MALAYSIA**

An agency under MOSTI

**2014**

ANNUAL REPORT

*Securing Our Cyberspace*

# INTRODUCTION

# ABOUT CYBERSECURITY MALAYSIA



CyberSecurity Malaysia is the national cyber security specialist agency under the purview of the Ministry of Science, Technology and Innovation (MOSTI).

CyberSecurity Malaysia is formerly known as the National ICT Security and Emergency Response Centre (NISER). NISER was launched by the Deputy Prime Minister of Malaysia on 10 April 2001.

CyberSecurity Malaysia was established when the Cabinet Meeting on 28 September 2005, through the Joint Cabinet Notes by the Ministry of Finance (MOF) and Ministry of Science, Technology and Innovation (MOSTI) No. H609/2005 agreed to establish NISER as a National Body to monitor the National e-Security aspect, spun it off from MIMOS to become a separate agency, incorporate it as a Company Limited-by-Guarantee, and place it under the supervision of MOSTI.

The Malaysian Government gazetted the role of CyberSecurity Malaysia by Order of the Ministers of Federal Government Vol.53, No.13, dated 22 June 2009 (revised and gazetted on 26 June 2013 [P.U. (A) 184 by identifying CyberSecurity Malaysia as an agency that provides specialised cybersecurity services and continuously identifies possible areas that may be detrimental to national security and public safety.

As a specialist agency, CyberSecurity Malaysia is also required to contribute its technical expertise in support of national cyber crisis management, as stated in Paragraph 16.1, Order No. 24 of the Dasar dan Mekanisme Pengurusan Krisis Siber Negara (Policy and Mechanism for National Cyber Crisis Management) by the National Security Council.

CyberSecurity Malaysia's mission is to create and sustain a safer cyberspace to promote national sustainability, social well-being and wealth creation. This mission together with the core values – Trust, Impartiality, Proactive - guide us to achieve our vision to be a globally recognised national cyber security reference and specialist centre by 2020.

**OUR SERVICES**

1. Cyber Security Responsive Services
2. Cyber Security Proactive Services
3. Cyber Security Certification Services
4. Outreach and Capacity Building
5. Industry Development
6. International & Government Engagement
7. Strategic Research

## 1. CYBER SECURITY RESPONSIVE SERVICES

### 1.1 Cyber999 Help Centre

Cyber999 is a cyber security response centre, provided by the Malaysia Computer Emergency Response Team or MyCERT (a department within CyberSecurity Malaysia). Other services under MyCERT include:
- Cyber Early Warning System
- Malware Research Centre
- Technical coordination for national cyber emergencies and coordination of cyber drills at national and international level

For more information go to www.mycert.org.my

### 1.2 CyberCSI

CyberSecurity Malaysia assists relevant agencies in Digital Crime Scene Investigation (CyberCSI). Our digital forensics analysts are recognised as 'Expert Witness' in digital forensics under the Criminal Procedure Code 399 subsection 3(f ). Other services include:
- Analysis of digital evidence
- First Responder for Digital Evidence
- Consultation on Quality Management
- Expert Witness
- Recovery of corrupted and deleted data
- Data sanitization

For more information go to www.cybercsi.my

## 2. CYBER SECURITY PROACTIVE SERVICES

### 2.1 Security Management & Best Practices

CyberSecurity Malaysia develops guidelines and best practices related to information security. It also promotes Information Security Management System (ISMS) and contributes towards standardisation development at national and international level.

### 2.2 Security Assurance

Our Security Assurance Services consist of:
- Vulnerability Assessment Service (VAS)
- CyberSecurity Malaysia – Malaysia Security Evaluation Facility (CSM-MySEF)
- Trustmark Technical Security Assessment (TTSA)

## 3. CYBER SECURITY CERTIFICATION SERVICES

Our certification services include:
- MyCC Scheme, based on the Common Criteria ISO/IEC 15408. www.cybersecurity.my/mycc
- CSM27001 Scheme, based on Information Security Management System (ISMS) ISO/IEC27001. csm27001.cybersecurity.my/cor.html
- Malaysia Trustmark, based on the World Trustmark Alliance (WTA) Guidelines for Trustmark Operator (GTO). mytrustmark.cybersecurity.my

## 4. OUTREACH AND CAPACITY BUILDING

### 4.1 Outreach

*www.cybersafe.my*

CyberSecurity Malaysia aims to inculcate cyber safety and security awareness in order to create a culture of positive Internet usage amongst people from all walks of life in Malaysia. This is carried out through an Outreach Programme known as CyberSAFE (Cyber Security Awareness For Everyone).

### 4.2 Cyber Security Professional Development

*www.cyberguru.my*

Through the Cyber Security Professional Development Programme, CyberSecurity Malaysia aims to increase the number of certified professionals in the country by providing various competency and capability training courses and certifications as well as knowledge-sharing platform for the ICT workforce.

## 5. INDUSTRY DEVELOPMENT

Cyber security is an essential enabler for wealth-creation in this era of ICT-driven economy and inter-connected society. In addition, cyber security itself is a sizeable industry. CyberSecurity Malaysia aims to spur innovation and foster greater alliances within the local and regional ICT Industry. We organise the annual CSM-ACE, which is a 3-in-1 public-private-community partnership event, comprising Awards, Conference and Exhibition.

## 6. INTERNATIONAL & GOVERNMENT ENGAGEMENT

Our strategic engagement with the Malaysian Government is aimed at identifying and driving various government collaborations, working relations and activities to advocate the cyber security agenda. CyberSecurity Malaysia is also the administrator of the Critical National Information Infrastructure (CNII) portal *(cnii.cybersecurity.my)*

Other than engaging local stakeholders, we also have an International Engagement Programme to facilitate cross-border cooperation. CyberSecurity Malaysia is actively involved in regional collaborations among Computer Emergency Response Teams (CERT) such as APCERT (*www.apcert.org*) and OIC-CERT (*www. oic-cert.org*).

## 7. STRATEGIC RESEARCH

One of CyberSecurity Malaysia's Strategic Goals is "To Enhance Internal Research Capacity, Capability & Facility". This goal is attained through research initiatives pertaining to cyber laws, emerging technologies, content and new policies on cyber security climate in Malaysia. We produce research documents for reference by stakeholders and as input to policy decision makers. We also conduct malware research and strategic research on cyber security related technology.

For more information, visit our website
www.cybersecurity.my

# DESIGN AND COVER RATIONALE

Security is about making this world a better and safer place for people to live in. Cyber security is very much affected by the way Internet users behave when their computers or mobile devices are online. And people created the machines or computers for convenience. Furthermore, it has been forecasted that the Internet of Things will be the next hot topic in cyber world, particularly on the information safety and security implications of having 30 billion devices that will be wirelessly connected to the Internet of Things by 2020, according to ABI Researches' estimate. That means everything from urban transport to medical devices to household appliances will be inter-connected. Therefore, when designing the cover page and layout of the 2014 Annual Report, we thought of the man, the woman and the child behind the machines – and we would like the Internet users to learn to respect each other in cyber space. If only we could "connect with respect", the Internet would be a lot safer for everyone.

"Connect with respect" was also the Safer Internet Day slogan for 2013, and we organized a poster and video challenge / competition with Connect With Respect as the theme. The images used on the cover page of this report are taken from the poster designing challenge.

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# MESSAGE FROM THE HONORABLE MINISTER

YB. Datuk Seri Panglima Madius Tangau
**MINISTER OF SCIENCE, TECHNOLOGY & INNOVATION**

"Cyber security has become a major concern for organisations and governments alike, due to extensive deployment of automated systems in both the public and the private sectors. More often than not, computer systems are running over interconnected networks and storing back-up data in an outsourced 'cloud'; whereby the data are mostly used in business-critical operations.

Technology and the corresponding threats are constantly evolving. Therefore expecting 100% security is not realistic. We must remain on our toes, anticipating cyber threats at all times.

In this regard, MOSTI through its agencies, particularly CyberSecurity Malaysia, continuously carries out research activity and market intelligence in anticipation of possible security threats associated with emerging technologies such as mobile applications and the Internet of Things or IoT. Besides the plethora of new application areas for Internet connected automation to expand into, IoT is also expected to generate large amounts of data from diverse locations that is aggregated very quickly, thereby increasing the need to better index, store and process such data. Experts estimate that the IoT will consist of almost 50 billion objects by 2020.

Imagine the magnitude of cyber security threats that come together with the IoT -- not only for organisations and governments but also for the public at large. In this regard, CyberSecurity Malaysia's role will be more important than ever; and MOSTI will always stand beside CyberSecurity Malaysia to provide support and guidance in carrying out its mission of creating and sustaining a safer cyberspace to promote national sustainability, social well-being and wealth creation."

# MESSAGE FROM SECRETARY GENERAL OF MOSTI

YBhg. Dato' Sri Dr. Noorul Ainur Mohd. Nur
**SECRETARY GENERAL,
MINISTRY OF SCIENCE,
TECHNOLOGY & INNOVATION**

"Since my appointment to the Board of CyberSecurity Malaysia, I have become more informed and concerned about security and safety issues affecting Internet users. In recent years, social media, likely more than anything else, has significantly impacted most of our daily lives.

I realized that the Internet and mobile technologies have changed the way people interact with one another, particularly on social media. While the social media facilitates social interaction and sharing, studies have found that it often leads to unexpected alienation. Face-to-face human interaction has largely been replaced with addiction to social networks.

Meanwhile, questions about privacy and security on the Internet are on the rise. Keeping confidential information, private data and finances safe can be difficult and organizations including Government departments are subject to these threats constantly. All these raise questions on the integrity of information that are being circulated through various online platforms.

There are approximately three billion Internet users worldwide and at least 20 million users in Malaysia. I am pleased to know that CyberSecurity Malaysia has been creating public awareness to inculcate safe, ethical and positive online behavior through its Cyber Security Awareness for Everyone or CyberSAFE programme since 2007. Educating the public will remain a continuous challenge, and I urge everyone particularly parents and social organizations to help out in any way that they can."

# CORPORATE GOVERNANCE

# CHAIRMAN'S STATEMENT
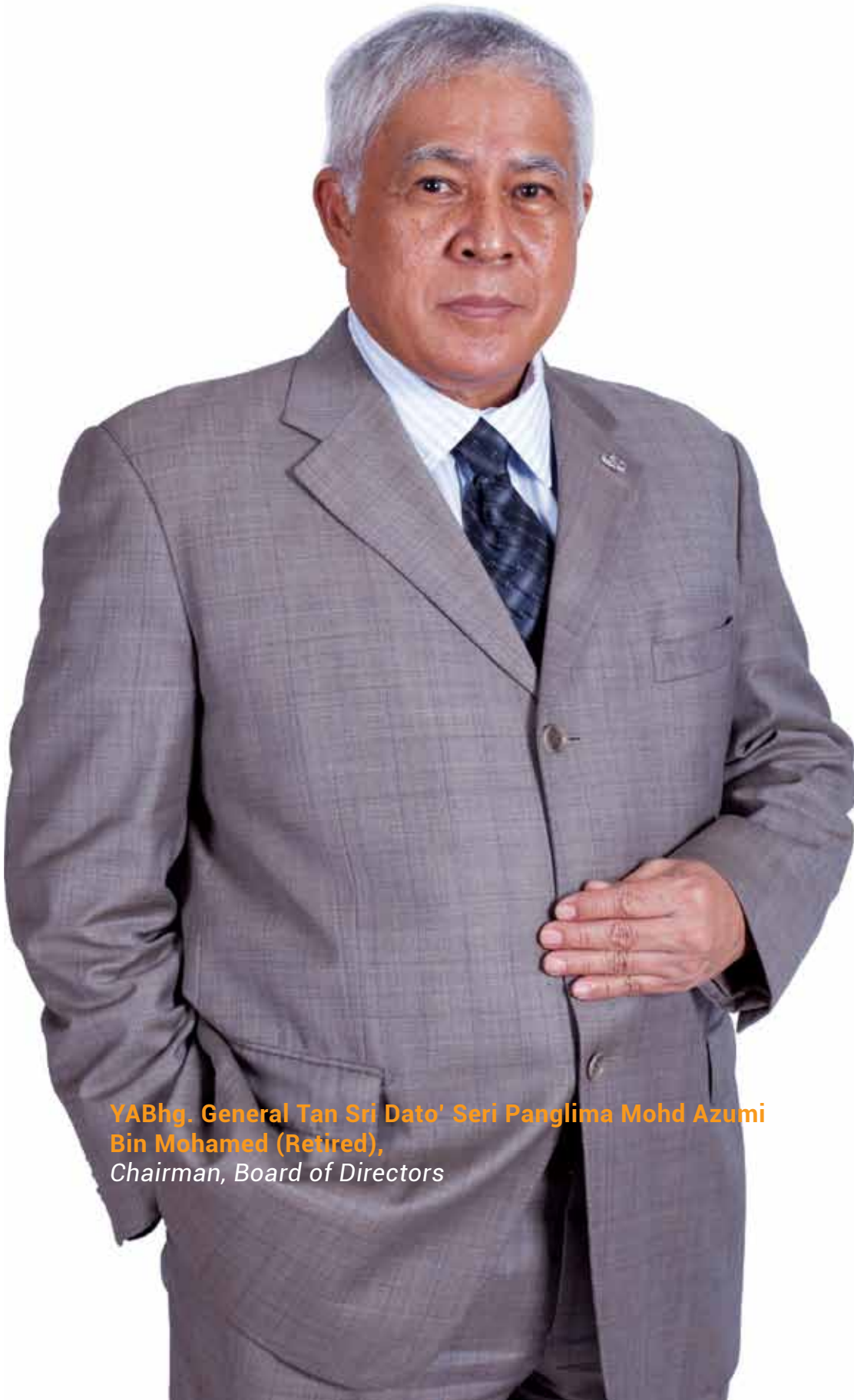
**YABhg. General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired),**
*Chairman, Board of Directors*

# CHAIRMAN'S STATEMENT

On behalf of the Board of Directors, with great pleasure I wish to extend a very warm welcome to our new members, Dato' Sri Dr Noorul Ainur Mohd Nur, representing the Ministry of Science, Technology and Innovation; and Dr. Suhazimah Dzazali, representing MAMPU. The addition of two intelligent women to the Board's composition not only balances but also strengthens the team with their rich experience and vast knowledge.

CyberSecurity Malaysia continues to uphold the good name of Malaysia in the international arena, being the permanent secretariat of the OIC-CERT and a member of the steering committee of both the OIC-CERT and APCERT. Staff of CyberSecurity Malaysia are creating names as a sought after speakers in global cyber security industry conferences and seminars.
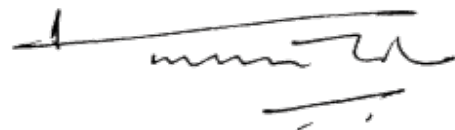
The year 2014 was an exciting time for CyberSecurity Malaysia when Malaysia was ranked number 1 in the Asia Pacific in terms of cyber security preparedness by the Global Cybersecurity Index (GCI 2014) prepared and published by the ITU and ABI Research. Malaysia was ranked third globally among 193 ITU member countries. The ranking is benchmarked against five composite indicators: legal, technical, organizational, capacity building and cooperation.

CyberSecurity Malaysia acknowledges the role played by other organisations in Malaysia in helping Malaysia attain such credentials. We know that we cannot work in silo, never have and never will. But still, the GCI 2014 bodes well for CyberSecurity Malaysia and the Ministry of Science, Technology and Innovation (MOSTI), being the main driver of cyber security initiatives in Malaysia. This is an outstanding achievement.

Indeed, security is a continuous effort and never to be taken lightly. Let us not be deceived by our past successes, but continue to be creative and innovative in pursuing our mission of securing the Malaysian cyberspace for National Sustainability and Social Well-Being enabling wealth creation.

Lastly, I would like to express the Board's gratitude to the Management and Staff of CyberSecurity Malaysia for their initiatives and outstanding achievements in 2014.

With that, I wish you all the best for 2015. Thank you.

**YABhg. General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired),**
*Chairman, Board of Directors*

# BOARD OF DIRECTORS



1. **General Tan Sri Dato' Seri Panglima Mohd Azumi Bin Mohamed (Retired)**
   - *Chairman, Board of Directors, CyberSecurity Malaysia*
   - *Member, Audit Committee, CyberSecurity Malaysia Board of Directors*

2. **Dato' Sri Dr. Noorul Ainur binti Mohd Nur**
   *Secretary General, Ministry of Science, Technology and Innovation (MOSTI)*
   - *Director, CyberSecurity Malaysia*
   - *Chair, Human Resources and Remuneration Committees (HRRC), CyberSecurity Malaysia Board of Directors*

3. **Dr. Amirudin Bin Abdul Wahab**
   - *Director & Chief Executive Officer, CyberSecurity Malaysia*

4. **Datuk Haji Abang Abdul Wahap Bin Haji Abang Julai**
   *Mayor of Kuching North City Commission*
   - *Director, CyberSecurity Malaysia*

5. **Datuk Dr. Abdul Raman Bin Saad**
   *Founder of ARSA LAWYERS (Messrs Abdul Raman Saad & Associates) and has been its Managing Partner since 1979.*
   - *Director, CyberSecurity Malaysia*
   - *Chairman, Audit Committee, CyberSecurity Malaysia Board of Directors*

6. **Ir. Md. Shah Nuri Bin Md. Zain**
   *Under Secretary Cyber & Space Security Division, National Security Council, Prime Minister's Department*
   - *Director, CyberSecurity Malaysia*
   - *Member, Human Resources and Remuneration Committees (HRRC), CyberSecurity Malaysia Board of Directors*

7. **Rohani Binti Mohamad**
   *Deputy Under Secretary, Information Technology Division, Ministry of Finance.*
   - *Director, CyberSecurity Malaysia*
   - *Member, Audit Committee, CyberSecurity Malaysia Board of Directors*
   - *Member, Human Resources and Remuneration Committees (HRRC), CyberSecurity Malaysia Board of Directors*

8. **Dr. Suhazimah Binti Dzazali**
   *Deputy Director General (ICT), Malaysian Administrative Modernisation And Management Planning Unit (MAMPU), Prime Ministers Department*
   - *Director, CyberSecurity Malaysia (Appointed on 24 April 2015)*

*Company Secretary*
- **Jailany Bin Jaafar**

*Internal Auditor*
- **Abd Rouf Bin Mohammed Sayuti**

Note:
*Governance and Integrity Committee is a new committee formed in 2014, effective from 14 March 2014.

# CORPORATE GOVERNANCE

**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.

The following Board Committtees, which were set up, have also fulfilled their specific responsibilities.

### 1. The Human Resources and Remuneration Committees (HRRC)

Duties:

i.   Performance-based Remuneration for CyberSecurity Malaysia's Chief Executive Officer (CEO).

   To review and recommend to the Board a performance-based remuneration for the CEO, or the person performing the duties and assuming the responsibilities of the CEO, by reference to the corporate goals and objectives as resolved by the Board from time to time.

ii.  The Company's Human Resource Matters including:

   • To review the overall market positioning of the Company's remuneration package and policies, on an annual basis, with a view to retain and/or attract high caliber staff and thereafter submit an appropriate recommendation for the Board's consideration and approval.

   • To review the Company's Human Resources development programs and policies related to the remunerations, and ensure compliance with the applicable laws and regulations of the country.

- To undertake, consider and act on other human resource related issues or tasks as the committee consider appropriate or as may be referred to by the Board.
- To periodically review and participate in determining the organisational structure for the Company.

iii. To review potential candidates for hiring and promotion for the Top Management positions of the Company.

Members:

i. YBhg. Dato' Sri Dr. Noorul Ainur binti Mohd. Nur
ii. Encik Ir Shah Nuri bin Md Zain
iii. Puan Rohani bin Mohamad

Terms of Reference of the HRRC

Size and Composition

i. The HRRC shall consist of not less than three (3) Directors from the Board members. They are appointed by the CyberSecurity Malaysia's Board of Directors.

ii. The Board may from time to time appoint additional members to the HRRC from among its members and such other persons as the board deems fit.

iii. The HRRC may invite any director, member of the Company's i.e Management or other person to attend its meeting(s) from time to time when it is considered desirable to assist the HRRC in attaining its objectives.

Meetings

i. The HRRC shall have meetings at least twice a year. Additional meetings may be conducted at anytime with the consensus from all members of the Committee.

ii. All decisions of the HRRC shall be by majority vote. In the event of a tie, the Chairperson shall have the second or casting vote in addition to his or her original vote.

iii. The quorum for HRRC meeting shall be two (2) members of the appointed members.

iv. The Head of Human Capital Department ("HCD") is the Secretary for this Committee. In the absence of the Head of HCD, a representative from HCD shall replace the Head of HCD in carrying out the secretariat function.

## 2. Audit Committee (AC)

Duties:

i. To review the Company's final statements of accounts prior to submission to the Board, to ensure compliance with disclosure requirements and adjustments suggested by the auditors.

ii. To review the internal controls, performance and findings of the internal auditors and to recommend and implement appropriate remedial and corrective actions.

iii. To recommend to the Board the appointment of external auditors of the Company, the audit fee and any matter of resignation or dismissal.

iv. To discuss any matters arising from the previous year's audit, to review the scope of the current year's audit, the plans for carrying out the audit, the extent of planned reliance on the work of other independent auditors and the Company's own internal auditors.

v. To review any significant audit problems that can be foresee either as a result of the previous year's experience or because of new developments.

vi. To evaluate and review the role of the internal and external auditors from time to time.

vii. To review any significant related party transactions that may arise within the Company.

viii. To review any significant transactions which are not a normal part of the ordinary business of the Company.

ix. To place the internal auditors under the direct authority and supervision of the Audit Committee and to evaluate and approve their performance and remuneration package.

x. To recommend changes in the accounting policies to the Board of Directors.

xi. To review the assistance given by the Company's officers to the auditors.

xii. To consider any matter which the auditors may wish to bring to the attention of the Directors.

xiii. To carry out such other responsibilities as may be delegated by the Board of Directors from time to time

Members:

i. YBhg. Datuk Dr. Abdul Raman bin Saad (Chairman)

ii. YABhg. General Tan Sri Dato' Seri Panglima Mohd Azumi bin Mohamed (Retired)

iii. Puan Rohani binti Mohamad

Terms of Reference of the AC

Size and Composition

The Audit Committee shall consist of at least three (3) but not more than five (5) members of whom the majority shall be independent non-executive Directors of CyberSecurity Malaysia.

The members of the Audit Committee shall select a chairman from among them who is not an executive director or employee of the Company or any related organisation.

Meetings

i. Meetings of the Committee shall be held at least two (2) times a year or at a frequency to be decided by the Committee and the Committee may invite any person to be in attendance at such meetings.

ii. The quorum for Meetings shall be two (2).

iii. Meetings may be convened upon request of the auditors of the Company to consider any matter that the auditors believe should be brought to the attention of the Directors.

iv. The Audit Department of the Company shall be the Secretariat to the Audit Committee.

### 3. Governance and Integrity Committee (GIC)
Duties:

**1. Policy**

i. To review and recommend amendments to any policy so as to overcome weaknesses in management, improve controls against corruption, malpractices, abuse of powers and administrative weaknesses.

ii. To evaluate and review strategic plans for enhancing the best governance practices, which are capable of achieving delivery system that is infused with integrity, accountability, trust, fairness, monitoring and stewardship, transparent and responsive to clients.

**2. Systems and Work Procedures**

To evaluate and review systems and work procedures:

i. That are giving rise to various bureaucratic red-tapes, which could possibly weaken administration, reduce efficiency, non-accountability at the same time giving rise to avenues for bureaucratic hassles, delays, injustices and indiscriminate (usage of) discretion as well as providing opportunities for corruption, malpractices and abuse of powers.

ii. that are transparent and with accountability, optimization of resources and information management system that is efficient and effective to achieve Company's missions and visions or objectives.

**3. Noble Values and Code of Ethics**

i. To review activities that enhances integrity of staffs including consolidation and implementation of policies and procedures that are infused with noble values and code of ethics so as to prevent staff from committing all forms of negative conduct inclusive of corruption, malpractices, and abuse of powers.

ii. To review and validate organizational code of ethics.

**4. Customer Management**

To review the strategic and quality system of customer management in order to portray efficiency, sensitiveness, friendliness and responsiveness towards the needs of clients (be they stakeholders, internal or external clients) and be perceived as

providing value-added and continuously improved delivery system, as well as to prevent being seen as slip-ups in the fulfillment of entrusted duties and responsibilities.

**5. Detection, Punitive and Rehabilitation Action**

To evaluate and review any matters primarily significant problems resulting from contravention of laws, regulations, system and work procedures or code of ethics including any form of offences or crime committed by staff.

**6. Recognition and Appreciation**

To evaluate and review the recognition and appreciation to staff who have shown exemplary services and exhibiting noble values through voluntary activities by giving religious advice and guidance and those who have reported cases of corruption, malpractices and misconduct within divisions/departments.

Members:

    i.   YBhg. Datuk Abang Abdul Wahap bin Abg Julai (Chairman)

    ii.   YABhg. General Tan Sri Dato' Seri Panglima Mohd Azumi bin Mohamed (Retired)

    iii.   YBhg. Datuk Dr. Abdul Raman bin Saad

Terms of Reference of the GIC

Size and Composition

The Governance and Integrity Committee shall consist of at least three (3) but not more than five (5) members of whom the majority shall be independent non-executive Directors of CyberSecurity Malaysia.

The members of the Governance and Integrity Committee shall select a chairman from among them who is not an executive director or employee of the Company or any related organization.

Meetings

    i.   Meetings of the Committee shall be held at least two (2) times a year or at a frequency to be decided by the Committee and the Committee may invite any person to be in attendance at such meetings.

    ii.   The quorum for Meetings shall be two (2).

    iii.   Meetings may be convened upon request of the Management Committee to consider any matter that the Management Committee believes should be brought to the attention of the Directors.

    iv.   The Audit Department of the Company shall be the Secretariat to the Governance and Integrity Committee.

## BOARD COMPOSITION AND BALANCE

The Board consists of members of high caliber, 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 obtain 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 have been elected by the members of CyberSecurity Malaysia at its General Meeting. There are currently seven (7) 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.

## 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 businesses 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 2013, sixteen 16) Board Meetings were held inclusive of circular resolutions passed.

## APPOINTMENTS AND RE-ELECTION TO THE BOARD

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' Sri Dr. Noorul Ainur binti Mohd. Nur, Director of CyberSecurity Malaysia is not subject to retirement since she is representing MOSTI. Dr Amirudin bin Abdul Wahab, 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.

Currently Ir Md Shah Nuri bin Md Zain and Dr. Suhazimah binti Dzazali who are the Directors holding office for a term of two (2) year, which terms is expiring pursuant to Articles 31 and 33 of the Articles of Association of CyberSecurity Malaysia and are eligible for re-election. Ir Md Shah Nuri bin Md Zain and Dr. Suhazimah binti Dzazali therefore, have offered themselves for a re-election as Directors and will be considered for approval by the Members of CyberSecurity Malaysia at the Nineth (9th) Annual General Meeting 2015.

## DIRECTORS' TRAINING

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 ANNUAL GENERAL MEETING

NOTICE IS HEREBY GIVEN THAT the 9th 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 26 June 2015 to transact the following business:

## AS ORDINARY BUSINESS

| | | |
|---|---|---|
| 1. | To receive the Audited Financial Statements for the financial year ended 31 December 2014 together with the Reports of the Directors and Auditors thereon; | Ordinary Resolution 1 |
| 2. | To re-elect Encik Ir Md Shah Nuri bin Md Zain, 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 Dr. Suhazimah binti Dzazali who is a Director holding office for a term of two (2) years, which term is expiring pursuant to Article 33 of the Company's Articles of Association, and being eligible, offers herself for re-election; | Ordinary Resolution 3 |
| 4. | To re-appoint Messrs Afrizan Tarmili Khairul Azhar & Co (AFTAAS) as Auditors of the Company and Messrs Afrizan Tarmili Khairul Azhar Taxation Services Sdn Bhd as Tax Consultant of the Company and to authorize the Directors to fix their remuneration; | Ordinary Resolution 4 |

## AS SPECIAL BUSINESS

| | | |
|---|---|---|
| 5. | To approve the Director's accumulated monthly allowance totaling RM178,451.60 for the financial year ended 31 December 2014; and | Ordinary Resolution 5 |
| 6. | To transact any other business of which due notice shall have been given in accordance with the Companies Act, 1965. | Ordinary Resolution 6 |

## BY ORDER OF THE BOARD

**JAILANY BIN JAAFAR (LS 8843)**
Company Secretary

Selangor Darul Ehsan
Date :

## NOTES:

i.   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.

ii.  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 corporate body, either under seal or under hand of the officer of attorney duly authorized.

iii. To be valid the proxy form duly completed must be deposited at the Registered office of the CyberSecurity Malaysia at Level 5, Sapura@Mines, No. 7 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.

# FORM OF PROXY

**CyberSecurity MALAYSIA**

**(COMPANY NO. 726630-U)**

\*I/We...................................................................................................................................................................
of..........................................................................................................................................................................
being a Member of the Company hereby appoint .......................................................................................
..............................................................................................................................................................................
of ........................................................................................................................................................................
or failing him / her .........................................................................................................................................
of ........................................................................................................................................................................
as \*my / our proxy to vote for \*me / us on my / our behalf at the 8th Annual General Meeting of the Company to be held at the Board Room of the Company, Level 7, Sapura@Mines, No. 7 Jalan Tasik, The Mines Resort City, 43300 Seri Kembangan, Selangor on the ................... day of .................... 2014 time ..................... and at any adjournment hereof.

Signed this ........................day of .......................... 2014

**(Signature of Appointor)**
\*Delete whichever is not desired

## 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 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 appointer or his attorney duly authorized in writing of is the appointer is a corporate body, either under seal or under hand of the officer or attorney duly authorized.

3. To be valid the proxy duly completed must be deposited at the Registered Office of the CyberSecurity Malaysia at Level 5, Sapura@Mines, No. 7 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.

# OPERATION'S REVIEW

# FOREWORD FROM THE CEO

**Dr. Amirudin Abdul Wahab,**
*Chief Executive Officer*

# FOREWORD FROM THE CEO

Dear Stakeholders:

One of the key thrusts of the 11th Malaysia Plan (RMK 11) is to further develop and strengthen Malaysia's capabilities and expertise in ICT; and cyber security has been identified as one of the technology focus areas within ICT sector in RMK 11, apart from digital content, software development and testing, Internet of Things (IoT), data centres, cloud services and big data analytics.

Since the iPhone revolution, what used to be a handheld phone has been transformed into a compact but very powerful mobile computing tool. As a result, mobile online transactions now exceed the number of transactions conducted through the traditional desktop platform. In the EU5, the mobile Internet economy generated about $120 billion in revenue in 2013 and an economic surplus for consumers of almost $1 trillion (BCG Perspectives, January 2015).

Securing networks and desktop computers can be considered easy if compared to securing millions of smartphones and billions of mobile apps. On top of that, we also have to worry about other emerging technologies—all of which are seemingly ethereal – such as "the cloud" and "the Internet of Things".

In the years to come, we shall focus on helping organizations and the Government to manage the risks associated with security-related compromises, providing cyber defense tools and training, and educating the public.

## National Centre of Excellence

In February 2013, I introduced the concept of National Centre of Excellence (COE) to ensure that CyberSecurity Malaysia is well positioned to play its part in supporting the national agenda as well as meeting various challenges in the dynamic and fast-paced cyber security industry.

**I am pleased to report that the CyberSecurity Malaysia Blueprint for Establishment of COE had been tabled and submitted to the Economic Planning Unit (EPU), Prime Minister's Department, on 16 December 2014.**

## Business Transformation Program

Other than COE, I also planned to have a Business Transformation Program (BTP) to position CyberSecurity Malaysia on the right track towards achieving its vision by 2020, therefore enhancing its relevance and sustainability. The overall intent of BTP is to realize CyberSecurity Malaysia's vision by transforming the organisation into a highly competent, market oriented and sustainable organization.

BTP is a structured Program to enhance revenue through commercialization of services. The key drivers as a case for transformation of the BTP are:



The BTP also integrates various strategic initiatives in CyberSecurity Malaysia such as COE, Human Resources Study, and Industry Collaboration Program (ICP).

"On December 8, 2014, CyberSecurity Malaysia's Board of Directors approved the BTP for implementation starting from early of 2015."

### Outlook for 2015

The BTP has been approved for implementation starting from early of 2015. Key action items for BTP implementation include formation of a Strategic Account Management (SAM) Unit, to be parked under the Product Development and Marketing (PDM) Department. The SAM Unit is envisioned to reignite revenue generating activities with a more focused and structured approach.

I hope to get full support and cooperation from the Board and all staff with regards to the BTP.

### Gratitude

I would like to thank the Board for their valuable support, and the Management & Staff for their hard work and dedication in helping to create and sustain a safer cyberspace to promote national sustainability, social well-being and wealth creation.

I am truly grateful for the opportunity to lead CyberSecurity Malaysia. I must also say that I am proud of the CyberSecurity Malaysia Team – young, vibrant, and supportive, with positive attitude and genuine enthusiasm to succeed.

### Operation's Review

In the following section, I present to you the 2014 operation's review, which is organized as follows:

- Review of Corporate Performance (Based on KPI 2014)
- Financial Report
- Calendar of Activities
- Lists of achievements, events, publications and international presentations
- The editorial team.
- Our contact information

Thank you.
On behalf of CyberSecurity Malaysia.

**Dr. Amirudin Abdul Wahab**
*Chief Executive Officer*

# THE MANAGEMENT COMMITTEE



## TOP MANAGEMENT

**1.  Dr. Amirudin bin Abdul Wahab**
*Chief Executive Officer (CEO)*

**2.  Dr. Zahri bin Hj Yunos**
*Chief Operating Officer (COO)*

**3.  Dr. Solahuddin bin Shamsuddin**
*Chief Technology Officer (CTO)*

## HEAD OF DIVISIONS / VICE PRESIDENTS

**4.  En. Mohd Roslan bin Ahmad**
*Senior Vice President, Corporate Services Division (SVP CSD)*

**5.  En. Mohd Shamir bin Hashim**
*Senior Vice President, International &  Government Engagement Division (SVP IGE)*

**6.  En. Roshdi bin Hj Ahmad**
*Senior Vice President, Corporate Strategy and Industry Development Division (SVP CSID)*

**7.  Lt. Col. Mustaffa bin Ahmad (Retired)**
*Vice President, Outreach & Capacity Building Division (VP OCB)*

**8.  Lt. Col. Sazali bin Sukardi (Retired)**
*Vice President, Strategic Research Division (VP SR)*

**9.  Pn. Maslina binti Daud**
*Vice President, Cyber Security Proactive Services Division (VP CSPS)*

**10.  Dr. Aswami Fadillah Bin Mohd Ariffin**
*Vice President, Cyber Security Responsive Services Division (VP CSRS)*

**11.  En. Jailany Bin Jaafar**
*Head, Legal & Secretarial/Company Secretary (HOD LESEC)*

# REVIEW OF CORPORATE PERFORMANCE 2014

Various efforts, initiatives and programs have been carried out since the inception of CyberSecurity Malaysia. These efforts were essential to support the strategic direction of CyberSecurity Malaysia that has stepped into the 10th Malaysia Plan phase.

In 2014, we were at a more challenging phase with the goal to **"Spearhead National Cyber Security Through Resiliency And Self-Reliance"**. This phase would highlight the stronger cooperation between the Government, industry and the community in addressing cyber security related issues that require concerted effort from all parties.

Alhamdulillah, I am pleased to report that despite the challenges that we had to overcome, we did quite well. We contributed 10 KPI to MOSTI, with some exceeded target by more than 50 percent. All of the 10 KPI made it into the Green Zone for having achieved or exceeded the target; hence contributed to MOSTI's KPI achievement of 134%.

The table below shows our performance against the target for MOSTI's Ministry KPI 2014.

| ITEM | KPI 2014 | % ACHIEVED |
|---|---|---|
| MKRA / MKPI | | |
| 2. Intensification of RD&C & Scientific/Industry Services in STI | Target: 10,000 Clients Benefited from Scientific Services Provided. Achieved: 12,287 | 123% |
| 3. Knowledge Generation through STI application | Target: 12 Publications in STI Journals. Achieved 14 | 117% |
| INTERNAL KPI | | |
| 2. Intensification of RD&C & Scientific/Industry Services in STI | Target: Two (2) Technologies Transferred to Companies/ Government Agencies/ Institutes of Higher Learning (IHLs). Achieved 2. | 100% |
| 4. Societal Well-being Through Creation of Innovative and Creative Culture and Increase in STI Awareness, Appreciation and Application | Target two (2) STI/CSR Projects Diffused to Community. Achieved four (4). | 200% |
| | Target 400 People Impacted from STI/CSR Projects Diffused to Community. Achieved 419. | 105% |
| 4. Societal Well-being Through Creation of Innovative and Creative Culture and Increase in STI Awareness, Appreciation and Application | Target 20 STI Awareness Programmes Focusing on Students, Communities & Industries. Achieved 21. | 105% |
| | Target 15,000 People Impacted from STI Awareness Programmes Focusing on Students, Communities & Industries. Achieved 24,906 | 166% |
| 5. Strengthening Talents in STI | Target 21 Trained Knowledge Workers by Staff Development Programmes/ Nurtured Companies. Achieved 25. | 119% |
| | Target 600 Trained Knowledge Workers by Certification/ Professional Qualification. Achieved 896. | 149% |

## HOW WE PERFORMED BASED ON CORPORATE KEY PERFORMANCE INDICATORS (2014 KPI)

In addition to the 10 Ministerial KPI, we had 20 Corporate KPI in 2014.

I am pleased to report that we have exceeded most of our targets and attained a score of 91.2 %, improved from previous year's 89.8%.

### OVERALL CORPORATE KPI 2007 - 2014

| Year | Mean Score | Percentage |
|------|-----------|-----------|
| 2007 | 3.12 | 78.00% |
| 2008 | 3.7 | 92.50% |
| 2009 | 4 | 80.00% |
| 2010 | 4.21 | 84.20% |
| 2011 | 4.01 | 80.20% |
| 2012 | 4.24 | 83.10% |
| 2013 | 4.49 | 89.80% |
| 2014 | 4.56 | 91.20% |

● Mean Score　● Percentage
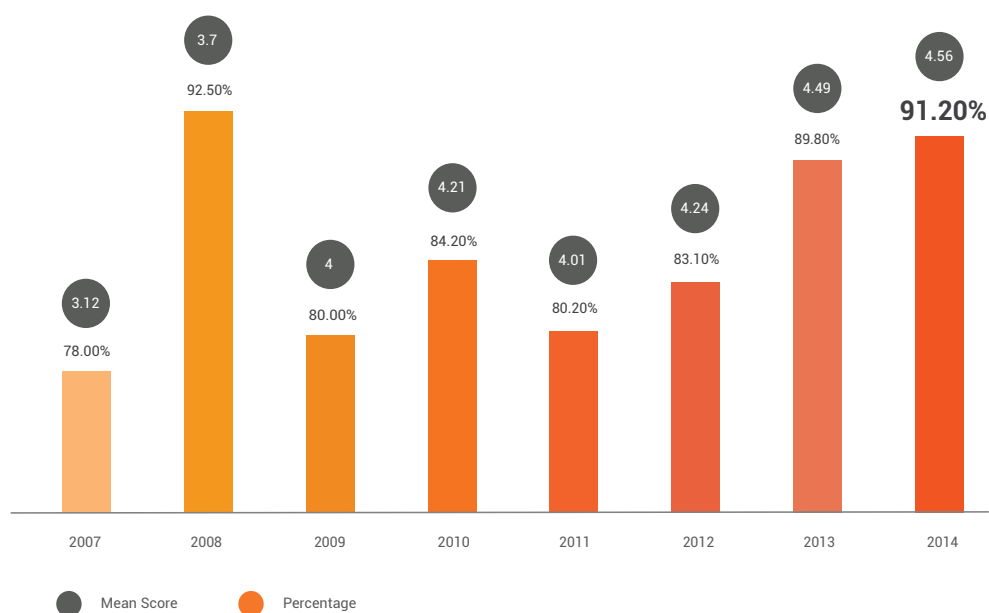
The following table are about the 2014 KPI – what were the indicators, and how we performed in relations to the targets.

| KPI | Achievement |
|-----|-------------|
| **SG 1: Establishment of National Center of Excellence (COE)** | |
| CSM blueprint completed | CSM blueprint has been tabled and submitted to EPU on 16 December 2014 |
| 4 co-branding activities (local / international) | 6 co-branding activities local / international |

| KPI | Achievement |
|-----|-------------|
| **SG 2: Develop national proactive & defensive capabilities** | |
| 600 information security personnel obtain professional certification | 781 obtain professional certification |
| 2 new services | 5 New Services have been launched: <br> 1) E-Discovery <br> 2) Entrepreneur Development Program (EDP) <br> 3) TrustSEAL <br> 4) Heartbleed Checker <br> 5) Cyber999 Mobile Application |
| **SG 3: Driving National Cyber Security Acculturation** | |
| 15,500 people impacted from outreach awareness activities | 24,906 people impacted from outreach awareness activities |
| RM500k private sector contribution to National Acculturation Program | Total of RM734,000 private sector contribution to National Acculturation Program |
| **SG 4: Smart Partnership as the strategic engagement model** | |
| 5 strategic partnerships established | 10 companies approved as CyberSecurity Malaysia Industry Collaboration Program (CSM ICP) |
| **SG 5: Catalyze Local Industry Growth and Competitiveness** | |
| 6 ICT products evaluated for certification | 7 ICT products evaluated for certification |
| National procurement policy proposal on Common Criteria approved by Board | The National procurement policy on Common Criteria has been presented in e-sovereignty meeting on 8 May 2014 chaired by Deputy Prime Minister. Chairman has agreed and accepted the proposal |
| Training/workshop for 40 Professionals (from ICT companies) in Secured Product Development | 2 training sessions on Secured Product Development have been conducted and attended by 52 professionals |
| Training/workshop for 15 Information Security Professionals to be Consultants in preparing Evidences for Common Criteria | 25 Information Security Professionals have attended the training to be Consultants in preparing Evidences for Common Criteria |
| **SG 6: Delivering specialized and niche services** | |
| 80% Cyber Security Resolution | 90.61 % cyber security incident resolved |
| 75% customer satisfaction | Customer Satisfaction Survey result at 91.14% with 157 respondents |
| **SG 7: Secure and Professionally Manage Funds** | |
| RM3 Million of net profit/cost saving | RM5.3 Million of net profit/cost saving |

| KPI | Achievement |
|---|---|
| **SG 8: Intellectual Property as the competitive edge** | |
| 2 products / services vested with IP Protection under the relevant law | 3 products / services vested with IP Protection under the relevant law:<br>1) Trustmark<br>2) MyCyberSecurity Clinic (MyCSC)<br>3) CyberSAFE |
| 12 information security papers published in journals | 16 information security papers published in journals |
| **SG 9: Best-in-class talent** | |
| 21 staff with no certificate certified | 18 staff with no certificate certified |
| 5% increase of local/ international as speaker/ presenter (5% = 27 staff) | 35 staff have become local / International speaker |
| 4% of undergoing postgraduate program (4% = 8 staff) | 6 staff undergoing postgraduate program |
| **SG 10: Build Creative & Innovative Work Processes & Environment** | |
| 75% Employee Engagement Satisfaction Index | Employee Engagement Satisfaction Index result at 74% with 231 respondents |

# FINANCIAL REPORT

## STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2014

|  | 2014 | 2013 |
|---|---|---|
|  | RM | RM |
| **ASSETS** |  |  |
|  |  |  |
| **Non Current Assets** |  |  |
| Property, Plant And Equipment | 12,163,289 | 24,523,948 |
| Intangible Assets | 3,540,259 | 2,954,726 |
|  |  |  |
| **Current Assets** |  |  |
| Trade Receivables | 979,664 | 467,355 |
| Other Receivables | 1,488,972 | 1,916,316 |
| Cash And Cash Equivalents | 12,565,140 | 5,895,207 |
| **Total Current Assets** | **15,033,776** | **8,278,878** |
|  |  |  |
| **Total Assets** | **30,737,324** | **35,757,552** |
|  |  |  |
| **EQUITY AND LIABILITIES** |  |  |
|  |  |  |
| **Reserves** |  |  |
| Accumulated Reserves | 1,363,187 | 1,361,438 |
|  |  |  |
| **Non Current Liabilities** |  |  |
| Government Grants | 25,002,044 | 31,941,639 |
|  |  |  |
| **Current Liabilities** |  |  |
| Other Payables And Accruals | 4,367,735 | 2,454,475 |
| Provision Of Tax | 4,358 | – |
| **Total Current Liabilities** | **4,372,093** | **2,454,475** |
| **Total Liabilities** | **29,374,137** | **34,396,114** |
|  |  |  |
| TOTAL EQUITY AND LIABILITIES | **30,737,324** | **35,757,552** |

## STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR ENDED 31 DECEMBER 2014

|  | 2014 | 2013 |
|---|---|---|
|  | RM | RM |
|  |  |  |
| Income From Grants | 60,965,445 | 44,743,918 |
| Operating Revenue | 4,429,329 | 1,887,648 |
| Other Income | 409,823 | 1,541,271 |
| **Total Income** | **65,804,597** | **48,172,837** |
|  |  |  |
| Staff Cost | (31,241,703) | (26,227,143) |
| Directors' Emoluments | (765,974) | (627,576) |
| Depreciation And Amortisation | (4,985,266) | (5,132,121) |
| Rental | (4,041,874) | (4,163,400) |
| Other Operating Expenses | (24,763,673) | (12,097,864) |
| **Profit/(Loss) Before Taxation** | **6,107** | **(75,267)** |
|  |  |  |
| Taxation | (4,358) | (10,548) |
|  |  |  |
| **TOTAL COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR** | **1,749** | **(85,815)** |

## STATEMENT OF CHANGES IN RESERVES FOR THE YEAR ENDED 31 DECEMBER 2014

|  | ACCUMULATED RESERVES |
|---|---|
|  | RM |
|  |  |
| As at 1 January 2013 | 1,447,253 |
| Total Comprehensive loss for the year | (85,815) |
| As at 31 December 2013 | **1,361,438** |
|  |  |
| **As at 1 January 2014** | **1,361,438** |
| **Total comprehensive income for the year** | **1,749** |
| **As at 31 December 2014** | **1,363,187** |

# 2014 CALENDAR OF ACTIVITIES

## January 2014

**20 January 2014**

Presentation of Certificate for Accreditation and Certification of CyberSecurity Malaysia 2013

**6 – 10 January 2014**

Lead Auditor ISO 27001 ISMS Course

**6-9 January 2014**

Digital Forensics for First Responder Training

**16 January 2014**

Overseas Security Advisory Council (OSAC) - Bureau of Diplomatic Security, USA. Country Council Meeting CyberSecurity Malaysia was invited to speak on local trends in cyber crimes and what are the initiatives to address the issue.

## February 2014

**26 February 2014**

Engaging the Media: CTO talked about Professional Development and Training as a guest of Nasional FM on 26 Feb 2014.

**28 February 2014**

Closing Ceremony of Safer Internet Day 2014 and The Launch of Cyber Security Handbook - Cyber Bullying

**11-12 February 2014**

Global CyberCrime Enforcement Summit 2014

## March 2014



**26 March 2014**

Chief Technology Officer, Dr Solahuddin Shamsuddin creating awareness about Forensic Digital Science via Nasional FM, RTM.



**6 March 2014**

Induction Program / Revision MySEF Organised by CyberSecurity Malaysia



**13 March 2014**

MySEF Surveillance Audit by Jabatan Standard Malaysia.



**3 - 5 March 2014**

Digital Crime Consortium 2014 (DCC 2014)



**25 – 26 March 2014**

Asean Regional Forum (ARF) Workshop – "Cyber Confidence Building Measures"

## April 2014



**14 – 15 April 2014**

Lead Auditor ISO 27001 ISMS (Intermediate) Course



**16 – 18 April 2014**

Information Security Management System - ISMS MS ISO/IEC 27001:2007 Implementation Course (Intermediate)



**26 April 2014**

"Positive Online Parenting" Workshop

# May 2014



**19 May 2014**

Smart Card COE Workshop



**7 May 2014**

"Click, Upload & Post Wisely : How Much of Human Rights Freedom can be Voiced Out in Cyberspace?" Forum



**15-16 May 2014**

"International Cyber Shield Exercise 2014 (ICSE 2014)



**23 – 25 May 2014**

Putrajaya Youth Festival 2014



**27 May 2014**

CyberSecurity Malaysia's Exhibition at the Creativity and Science 4U Carnival

# June 2014



**24-26 June 2014**

STI Outreach Program (Creativity & Science 4U Carnival), Batu Pahat, Johor



**6-8 June 2014**

National Girl Guide Carnival 2014 & PPM Putrajaya Branch Field Activity



**10 - 13 June 2014**

Working visit to the WSIS+10 High Level Events 2014 and a meeting with the International Telecommunication Union (ITU)

## August 2014



**14 August 2014**

4th Info Security Conference



**19 August 2014**

4th ASEAN Financial Institution Conference (ASEANFIC)



**26 - 28 August 2014**

Digital Forensic First Responder Training



**14 August 2014**

Handing Over of Information Security Management System (ISMS) Certificate to The Minister of Human Affairs and Immigration Department of Malaysia at KDN Monthly Gathering



**26 – 28 August 2014**

ISO/IEC 27001:2013 Implementation Seminar



**13-15 August 2014**

Induction Program / Revision MySEF

## September 2014



**27 September 2014**

Springer and IEEE Technically Co-Sponsored Science and Information Conference 2014



**15hb – 18hb September 2014**

1. Asia Pacific Computer Emergency Response Team (APCERT) Steering Committee Meeting
2. Asia Pacific Network Information Center 38 (APNIC 38) Conference



**26-28 September 2014**

Working Visit to Centre of Excellence Academy, Government and Industry on the United Kingdom

**30 September 2014**

Program Inspirasi Wanita Live,
Love, Laugh



**8 September 2014**

MyCyberSALE Round #3
Networking Session



**9 & 10 September 2014**

International Conference on
Information Conference: Exploring
The Future

## October 2014



**21 – 25 October 2014**

Trend Micro CSIRT Site Visit and
Visit to Taiwan CERT



**13 - 18 October 2014**

Regional Port Security Seminar



**27 October 2014**

MDeC Technology Accelaration
Program 2014



**31 October – 2 November 2014**

MyTrustSEAL Product Launch

## November 2014

**21-22 November 2014**

Strategy Planning Session for Cyber Security and Promotion of ICT in OIC Member States

**18 November 2014**

Cyberjaya Infra Conference & Exhibition 2014

**17 November 2014**

The Second Joint Working Group (JWG) Meeting in Combating Transnational Crime between Malaysia and the People's Republic of China (PRC).

**Session 1: 28 - 30 Oktober 2014 (3 days)**
**Session 2: 17 - 20 November 2014 (4 days)**
**Session 3: 24 - 27 November 2014 (4 days)**

To train Security Professionals to become consultant in preparing Evidence for Common Criteria

## December 2014

**30 December 2014**

MOU Signing Ceremony between MAMPU and CyberSecurity Malaysia

**22 – 26 December 2014**

Penetration Test Training for Hardware Security Module (HSM) product.

**4 – 5 December 2014**

Grammar for Malaysian Business Workshop

**1 – 4 December 2014**

The Preparatory Meeting of The ASEAN Regional Forum Inter-Sessional Support Group On Confidence Building Measures And Preventive Diplomacy (ARF ISG On CBMs And PD)



**8 December 2014**

Exchange of Memorandum of Understanding (MOU) between University Technical of Melaka Malaysia (UTeM) and CyberSecurity Malaysia (CSM)



**1 December 2014**

"Cyber Crime Arts"  Seminar and competition

# MAIN ACTIVITIES

## KEY EVENTS ORGANISED/CO-ORGANISED AT NATIONAL LEVEL

### 18 - 20 February 2014
### Kuala Lumpur
**BlueSPACE IT Security 2014 Conference**

CyberSecurity Malaysia participated as a Supporting Organisation in BlueSPACE IT Security Conference 2014 organised by Trueventus Sdn Bhd. Besides CyberSecurity Malaysia, the conference is also supported by ISPA (The Professional Information Security Association of Malaysia).

### 8 May 2014
### Casuarina @ Meru, Ipoh
**Seminar: "Secured Online Business"**

### 24 June 2014
### Everly Hotel
**4th International Cryptology and Information Security Conference**

Enhancing and realizing research and applications of cryptology in Malaysia through research collaboration and discussion with research counterparts from the international arena. This is an open forum, provided for contributions which cover research on the theoretical foundations, applications and any related issues in cryptology, information security and other underlying technologies.

### 13 – 14 August 2014
### Resort World Hotel, Langkawi
**Malaysian Internet Governance Forum 2014**

### 12-13 November 2014
### Casuarina Meru Hotel Ipoh, Perak
**World Trustmark Alliance Annual Summit 2014**

"Organized by CyberSecurity Malaysia, World Trustmark Alliance Annual Summit 2014 was held on 12 and 13 November 2014 at Casuarina at Meru Hotel Ipoh, Perak.

World Trustmark Alliance (WTA) aims to harmonize the standards and operational guidelines among the various brands of Trustmark managed by its members."

### 10 - 14 November 2014
### Casuarina Meru Hotel Ipoh, Perak
**Cyber Security Malaysia – Awards, Conference and Exhibition (CSM-ACE) 2014**

"CyberSecurity Malaysia in collaboration with the Perak State Government and with the support of the Ministry of Science, Technology and Innovation (MOSTI) organised Cyber Security Malaysia (CSM-ACE) Awards, Conference and Exhibition 2014 on November 10 and 14 2014 at Meru Casuarina at Meru Ipoh, Perak.

Themed "A Trusted & Secured Ecosystem", CSM-ACE 2014 attracted 797 participants, 9 panel speakers from local and abroad.

### 13 November 2014
### Casuarina Meru Hotel Ipoh, Perak
**National ICTSecurity Discourse - CYBERSAFETM Challenge Trophy 2014**

More than 80 participants from 16 teams took part in the #NICTSED discourse, which was an inter-school debate competition featuring the high level of competition and also 'cyber twist' that allows participants to use the Internet and smart phone devices, tablets, computers and so on in stock , presentation and defence. #NICTSED14 requires a comparative analysis and understanding of ICT security issues such as cyberbullying, pros and cons of using social media, and plagiarism.

## SUPPORTED SEMINARS/CONFERENCES AT NATIONAL LEVEL

19 February 2014

CyberSecurity Malaysia

APCERT Drill Exercise 2014 (Countering Cyber-ops with Regional Coordination)

10 April 2014

Hilton Kuala Lumpur, Malaysia

Computerworld Security Summit 2014

"CSM as Supporting Organisation
Presentation: Trends of Cyber Threats and Challenges Ahead by Dr. Amirudin Abdul Wahab"

16 April 2014

Seri Pacific Hotel Kuala Lumpur

"DSA 2014 - Cyber Security Conference Theme: Managing Cyber Security in the 21st Century: Issues, Challenges and the Way Forward"

## KEY EVENTS ORGANISED/CO-ORGANISED/SUPPORTED AT INTERNATIONAL LEVEL

### 20 – 21 April 2014
### Al Bustan Palace, A Ritz Carlton Hotel, Muscat, Oman

3rd Annual Regional Cybersecurity Summit 2014

The 3rd Annual Regional Cybersecurity Summit 2014 was hosted by the Information Technology Authority represented by Oman National CERT (OCERT), in cooperation with the International Telecommunication Union (ITU). En. Zahri Yunus, Chief Operating Officer (COO) of CyberSecurity Malaysia has been invited to be a speaker for Case Studies – Show Casing session during the summit. CyberSecurity Malaysia as the OIC-CERT Permanent Secretariat also has been invited to participate in the exhibition summit to promote OIC-CERT initiatives and activities.

### 29 April 2014
### Makati  Shangri-La Hotel , Manila City, Philippines

2nd ASEAN Financial Institution Conference (ASEANFIC)

### 22-23 August 2014
### Kochi, INDIA

International CyberSecurity and Policing Conference 2014

### 19hb – 22hb October 2014
### Rizqun International Hotel, Brunei Darussalam

The OIC-CERT 6th Annual General Meeting and Conference 2014

### 29 – 30 October 2014
### Hanoi, Vietnam

2015 International Conference on Prevention and Suppression of Hi-Tech Crime

## LOCAL AND INTERNATIONAL VISITS RECEIVED

CyberSecurity Malaysia also receives dignitaries, international visitors, students/researches and representatives from various organisations at our premises as part of our customer service and branding activities, as well as to form an understanding between the visiting parties and CyberSecurity Malaysia. Guests are briefed about our roles and services. Below is the list of guests received in 2014:

## LOCAL

| Date | Name of Visiting Organisations |
| --- | --- |
| 7/1/14 | Pertubuhan Belia Kebangsaan Bersatu Sarawak (SABERKAS) |
| 8/1/14 | Kolej PTPL Shah Alam |
| 13/02/14 | Kolej Komuniti Hulu Selangor |
| 17/02/14 | Maktab Polis Di Raja Malaysia |
| 13/03/14 | Politeknik Ungku Omar Ipoh |
| 19/03/14 | Kolej PTPL Ampang |
| 7/4/2014 | Persatuan Belia Islam Nasional (PEMBINA) |
| 8/4/2014 | Institut Latihan Kehakiman Dan Perundangan (ILKAP) |
| 11/4/2014 | Pusat Pembangunan Kemahiran Industri dan Pengurusan Kedah Darul Aman (KISMEC) |
| 30/4/2014 | Universiti Teknologi MARA (UiTM) Perlis |
| 19/5/2014 | Zambia Information Communication Technology Authority (ZICTA) |
| 22/5/2014 | Fakulti Keselamatan Komputer Universiti Putra Malaysia (UPM) |
| 3/6/2014 | Fakulti Pengurusan Perniagaan Contemporary Issues in IT Management" Universiti Teknologi MARA (UiTM) |
| 12/6/2014 | Fakulti Sains Komputer & Matematik "Artificial Intelligence Society (AIS) dan BizCom Club Universiti Teknologi MARA (UiTM) |
| 16/6/2014 | Microsoft |
| 20/6/2014 | Timbalan Ketua Setiausaha (Sains) MOSTI |
| 10/9/2014 | Pengarah Sistem Maklumat & Pengurusan Ketua Eksekutif (SMPKE) Pejabat Perdana Menteri |
| 18/9/2014 | Infrastructure University Kuala Lumpur |
| 25/9/2014 | Kolej Teknologi Perak |
| 1/10/2014 | Pusat Latihan Kor Polis Tentera DiRaja Malaysia (PULAPOT) |
| 26/11/14 | TLDM KD Sultan Idris I ke CyberSecurity Malaysia |

## INTERNATIONAL

| Date | Visitor's employee |
|---|---|
| 11 February 2014 | Awqaf dan Hal Ehwal Islam, Kuwait (Ministry Of Awqaf & Islamic Affairs) |
| 12 February 2014 | Universiti IT Antarabangsa, Kazakhstan (International IT University) |
| 19 March 2014 | Delegasi Angkatan Tentera Pakistan |
| 28 March 2014 | Pengarah Bahagian Teknologi Maklumat, Organization Of Islamic Cooperation (OIC) Arab Saudi, Encik Wajdi H. Al-Quliti |
| 6 May 2014 | Royal Embassy of Saudi Arabia |
| 26 June 2014 | Fuzbekistan & World Bank. |
| 24 September 2014 | Korea Information Security Industry Association (KIASA) |
| 28 October 2014 | Nigeria Government |
| 10 November 2014 | State Technical Service Republican Enterprise, Kazakhstan |
| 17 November 2014 | Brandenbury University Of Applied Sciences Berlin, Germany |

# PERSONNEL WHO OBTAINED PROFESSIONAL CERTIFICATION

Below is the list of CyberSecurity Malaysia's employees who obtained professional certifications in 2014. The list is arranged in chronological order (by month).

| No | Name | Department | Certification | Date/Month |
|----|------|-----------|---------------|------------|
| 1 | ZAINURRASYID ABDULLAH | DIGITAL FORENSICS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 2 | MOHAMED FADZLEE SULAIMAN | DIGITAL FORENSICS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 3 | MOHD ADI IZZAT MOAKHIR | MyCERT | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 4 | WAN LUKMAN WAN JUNOH | MyCERT | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 5 | FATHI KAMIL MOHAD ZAINUDDIN | MyCERT | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 6 | NOR SAFWAN AMIRUL BIN SALLEH | MySEF, SA | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 7 | NURSHARIFAH IDAYU MAT ROH | MySEF, SA | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 8 | ABDUL FUAD ABDUL RAHMAN | MyVAC, SA | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 9 | RUHAMA MOHAMMED ZAIN | SECURITY ASSURANCE | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 10 | MOHD NOR A'KASHAH MOHD KAMAL | STS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 11 | AHMAD OSMAN AHMAD | STS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 12 | MUHAMMAD MUTTAQIN ABD AZIZ | STS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 13 | MOHD HAFFEZAL MD YAHAYA | STS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 14 | MUHAMMAD HAFIZ RAFEK | STS | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 15 | ADLIL AMMAL MOHD KHARUL APENDI | ISCB | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 16 | MARINAH SYAZWANI MOKHTAR | ISCB | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 17 | NURUL HUSNA KHASIM | ISCB | CERTIFIED NETWORK ENGINEER OF IPv6 (CNE6) | JANUARY 2014 |
| 18 | SYAFIQ 'AIZAT ABDUL WAHAB | MyVAC, SA | ISMS LEAD AUDITOR | JANUARY 2014 |

| 19 | NUR SHAZWANI MOHD ZAKARIA | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
|----|---------------------------|------|-------------------|--------------|
| 20 | ZARIZAN ZAKARIA | STS | ISMS LEAD AUDITOR | JANUARY 2014 |
| 21 | ADLIL AMMAL MOHD KHARUL APENDI | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
| 22 | SHARIFAH NORWAHIDAH SYED NORMAN | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
| 23 | NURUL HUSNA KHASIM | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
| 24 | MARINAH SYAZWANI MOKHTAR | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
| 25 | MOHD SAIFUDDIN AMRI SAJALI | MyVAC, SA | ISMS LEAD AUDITOR | JANUARY 2014 |
| 26 | NUUR EZAINI AKMAR ISMAIL | MyVAC, SA | ISMS LEAD AUDITOR | JANUARY 2014 |
| 27 | I.D SAFAIRIS AMAT NOOR | ISCB | ISMS LEAD AUDITOR | JANUARY 2014 |
| 28 | RAFIZAH ABD MANAF | DIGITAL FORENSICS | ISMS LEAD AUDITOR | JANUARY 2014 |
| 29 | NURUL HUSNA MOHD NOR HAZALIN | STS | ASSOCIATE BUSINESS CONTINUITY PROFESSIONAL (ABCP) | MARCH 2014 |
| 30 | RUHAMA MOHAMMED ZAIN | SECURITY ASSURANCE | GIAC MOBILE DEVICE SECURITY ANALYST (GMOB) | APRIL 2014 |
| 31 | HAIRUL ANUAR ABU HANIPAH | CAIT | CERTIFIED ETHICAL HACKER | APRIL 2014 |
| 32 | FARAH RAMLEE | MYCERT | GIAC CERTIFIED INCIDENT HANDLING (GCIH) | APRIL 2014 |
| 33 | AHMAD RAMADHAN AMIZUDIN | MYCERT | GIAC WEB APPLICATION PENETRATION TESTER (GWAPT) | APRIL 2014 |
| 34 | FATHI KAMIL MOHAD ZAINUDDIN | MyCERT | GIAC WEB APPLICATION PENETRATION TESTER (GWAPT) | APRIL 2014 |
| 35 | SITI FATIMAH ABIDIN | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
| 36 | NUR SHARIFAH IDAYU MAT ROH | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
| 37 | ABDUL QAIYUM HAMZAH | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
| 38 | NORAZIAH ANINI MOHD RASHID | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |

| 39 | NURUL IZRATUL IMRAH ZOLKAFLE | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
|----|---|---|---|---|
| 40 | MUHAMAD FAEEZ PAUZI | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
| 41 | SYED ZULFAUZI SYED MOKHTARRUDDIN | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | APRIL 2014 |
| 42 | SYAFIQA ANNEISA LENG ABDULLAH | SMBP | ASSOCIATE BUSINESS CONTINUITY PROFESSIONAL (ABCP) | APRIL 2014 |
| 43 | MOHD SAIFUDDIN AMRI SAJALI | SECURITY ASSURANCE | SANS GIAC WEB APPLICATION TESTING & ETHICAL HACKING (GWAPT) | MAY 2014 |
| 44 | NORAZLILA MAT NOR | SECURITY ASSURANCE | EC-COUNCIL SECURITY ANALYST (ECSA) | JULY 2014 |
| 45 | KHAIRUL AKRAM ZAINOL ARIFFIN | DIGITAL FORENSICS | GIAC CERTIFIED FORENSICS ANALYST (GCFA) | JULY 2014 |
| 46 | NUUR EZAINI AKMAR ISMAIL | SECURITY ASSURANCE | GIAC WEB APPLICATION PENETRATION TESTER (GWAPT) | DEC 2014 |
| 47 | MARZIATON OMAR | GOVERNMENT ENG. | CERTIFIED ETHICAL HACKER | DEC 2014 |
| 48 | NORHUZAIMI MOHAMED | GOVERNMENT ENG. | CERTIFIED ETHICAL HACKER | DEC 2014 |
| 49 | SITI NORIAH NORDIN | PNLD | CERTIFIED SUPPLY CHAIN PRACTITIONER | MAY 2014 |

## PUBLISHED TECHNICAL PAPERS AND JOURNALS

Below is the list of technical papers and journals authored or co-authored by employees of CyberSecurity Malaysia. In this list, only the names of CyberSecurity Malaysia's employees are mentioned as authors. Please refer to the actual publication for complete list of authors.

| No | Title | Author/s | Date/ Volume | Journal | Publication | Country | Page |
|----|-------|----------|--------------|---------|-------------|---------|------|
| 1 | iOS Anti-Forensics: How Can We Securely Conceal, Delete and Insert Data | Dr Aswami Fadillah bin Mohd Ariffin | Jan 2014 | Proceeding of the 47th Hawaii International Conference on System Sciences | IEEE Xplore | United States | 4838 - 4847 |
| 2 | The Application of Qualitative Method in Developing a Cyber Terrorism Framework | Zahri bin Yunos | Feb 2014 | Proceeding of the European Society for Applied Science and Development 2014 | EUROPMENT | Interlaken, Switzerland | 133 - 137 |
| 3 | Algorithm for Tracking Sensitive Information of Online Appreciation in Computer Memory | Khairul Akram bin Zainol Ariffin | Mar 2014 | Proceeding of the International Conference on Advances in Computer Science and Electronics Engineering 2014 | Institute of Research Engineers and Doctors | United States | 12 - 16 |
| 4 | Implementing a CBR Recommender for Honeypot Configuration Using jCOLIBRI | Wira Zanoramy Ansiry bin Zakaria | May 2014 | Proceeding of the 3rd International Conference on Computer Science and Computational Mathematics 2014 | Science and Knowledge Research Society | Langkawi, Malaysia | 232 - 236 |
| 5 | Forensics Readiness for Wireless Body Area Network (WBAN) System | Abdul Fuad bin Abdul Rahman | Feb 2014 | Proceeding of the IEEE 16th International Conference on Advanced Communication Technology | IEEE Xplore | United States | 177 - 180 |
| 6 | Effective Measurement Requirements for Network Security Management | Nor Azuwa binti Mohamad Pahri | Volume 12 Number [April 2014] | International Journal of Computer Science and Information Security | International Research Organisation of Computer Science | United States | 37 - 44 |

| 7 | Adoption of ISMS for Protecting SCADA Systems Against Cyber Terrorism Threats | Zahri Yunos; Nor Azuwa Mohamad Pahri; Mohd Shamir Hashim and Rahayu Azlina Ahmad | Volume 3 Issue 4 [July 2014] | International Journal of Computer and Information Technology | Research and Publication Unit, | United States | 819 - 822 |
|---|---|---|---|---|---|---|---|
| 8 | Validation of Digital Forensics Tools for Android Tablet | Razana binti Md Salleh and Kamarul Baharin bin Khalid | Volume 9 Issue 1 | Journal of Information Assurance and Security | Machine Intelligence Research (MIR) Labs | United States | 19 - 26 |
| 9 | Analysis of Steganography Substitution System Methods Using New Testing Techniques Proposed for Strict Avalanche Criterion | Abdul Alif bin Zakaria; Nor Azeala binti Mohd Yusof; Wan Zariman bin Omar; Nik Azura binti Nik Abdullah and Hazlin binti Abd Rani | Jun 2014 | Proceeding of the 4th International Cryptology and Information Security Conference 2014 | Institute for Mathematical Research [INSPEM] | Malaysia | 202 - 208 |
| 10 | Randomness Analysis on Speck Family of Lightweight Block Cipher | Liyana Chew binti Nizam Chew; Isma Norshahila binti Mohammad Shah; Nik Azura binti Nik Abdullah; Norul Hidayah binti Ahmad Zawawi; Hazlin binti Abdul Rani and Abdul Alif bin Zakaria | Jun 2014 | Proceeding of the 4th International Cryptology and Information Security Conference 2014 | Institute for Mathematical Research [INSPEM] | Malaysia | 164 - 172 |
| 11 | Analysis on Lightweight Block Cipher, SIMON | Isma Norshahila binti Abdullah; Liyana Chew binti Nizam Chew; Nor Azeala binti Mohd Yusof; Nik Azura binti Nik Abdullah; Norul Hidayah binti Ahmad Zawawi and Hazlin binti Abdul Rani | Jun 2014 | Proceeding of the 4th International Cryptology and Information Security Conference 2014 | Institute for Mathematical Research [INSPEM] | Malaysia | 140 - 150 |

| 12 | Enhanced Rule Application Order Approach to Stem Reduplication Words in Malay Texts | Mohamad Nizam Kassim | Volume 287  2014 | Recent Advances in Soft Computing and Data Mining [Springer Lecture Notes Advances in Intelligent Systems and Computing Series] | Springer International Publishing | Switzerland | 657 - 665 |
|----|----|----|----|----|----|----|----|
| 13 | Grounding the Component of Cyber Terrorism Framework Using the Grounded Theory | Zahri Hj. Yunos | 14-Aug | Proceeding of the Springer and IEEE Technically Co-Sponsored Science and Information Conference 2014 | IEEE Xplore and Springer | United States | 523 - 529 |
| 14 | A Study on Abnormal Behaviour in Mobile Application | Naqliyah Zainuddin | 14-Dec | Open Access Library Journal | Open Access Library Inc. | British Virgin Island | 1 - 6 |
| 15 | A Survey on Conducting Vulnerability Assessment in Web-Based Application | Nor Fatimah Awang; Azizah Abd Manaf; Wan Shafiuddin Zainudin and Norahana Salimin | 14-Nov | Proceeding of the 2nd International Conference on Advance Machine Learning Technologies and Applications | Springer | Netherlands | 459-471 |
| 16 | A New Proposed Design of a Stream Cipher Algorithm: Modified Grain - 128 | Norul Hidayah Lot @ Ahmad Zawawi | Volume 3 Issue 5 [September 2014] | International Journal of Computer and Information Technology | Research and Publication Unit | United States | 902 - 908 |

## LIST OF PRESENTATIONS AT INTERNATIONAL LEVEL

| No | Date | Location | Event / Conference | Presentation Topic / Subject Matter | Speaker |
|---|---|---|---|---|---|
| 1 | 3 - 5 March 2014 | Marina Sands Bay, Singapura | Microsoft Digital Crimes Consortium 2014 | Cyber Securing Malaysia | Dr Aswami Fadillah Bin Mohd Ariffin |
| 2 | 29 April 2014 | Makati Shangri-La Hotel , Manila City, Philipina | 2nd ASEAN Financial Institution Conference (ASEANFIC) | MYCC program | Dr. Solahuddin Bin Shamsuddin |
| 3 | 27 - 30 May 2014 | Max Atria @ Singapore Expo, Singapore | Safe Cities Asia 2014 | Securing Malaysia's Digital Cities | Pn Carrine Teoh Chooi Shi |
| 4 | 26 April 2014 | Jakarta, Indonesia | Asean Financial Institution conference Hotel Mulia, Jakarta Indonesia | Malaysian Common Criteria (MyCC) Process flow (MS/ISO IEC 15408) | En. Ismamuradi Bin Dato Hj Abdul Kadir |
| 5 | 20 - 22 October 2014 | Brunei Darussalam | OIC-CERT 2014 (SC Meeting) | presentation on OIC-CERT Drills | En Imran Bin Hasnan |
| 6 | 20 - 22 October 2014 | Brunei Darussalam | OIC-CERT 2014 | Chief Moderator during Interactive Discussion Findings during OIC-CERT 2014 AGM | En Ooi Seong Hoe |
| 7 | 26 - 30 September 2014 | Busan, Korea | 10th APEC Future Education Forum | CyberSAFE | Pn Ramona Susanty Binti Ab Hamid |
| 8 | 29-30 October 2014 | Hanoi, Vietnam | Conference on Promoting International Cooperation in Preventing and Combating Against High-Tech Criminals | Malaysia's Perspective in Handling High Technology Crimes: Case Study on Sharing the Experiences in Handling High-Tech Crimes that Focus on APT Attack and Malware Banker | En Md Sahrom Bin Abu |
| 9 | 20 - 22 October 2014 | Brunei Darussalam | OIC-CERT SC and AGM | OIC-CERT Malware Monitoring and Coordinating Center | En Mohd. Shamir Bin Hashim |

## LIST OF PRESENTATIONS AT NATIONAL LEVEL

| No | Date | Location | Event / Conference | Presentation Topic / Subject Matter | Speaker |
|---|---|---|---|---|---|
| 1 | 16 April 2014 | Seri Pacific Hotel Kuala Lumpur | DSA 2014 - Cyber Security Conference<br><br>Theme: Managing Cyber Security in the 21st Century: Issues, Challenges and the Way Forward | An Integrated Approach In Responding To Threats And Challenges In Cyber Security | Dr. Zahri Bin Yunos |
| 2 | | | | Technical live demo: Securing integrity with forensic computing | En. Mohd Zabri Adil Bin Talib |
| 3 | 18 - 20 February 2014 | The Ritz Carlton, Kuala Lumpur | BlueSPACE IT Security Conference 2014 | Technical live demo: The essentials of cryptography-How to keep your secrets safe | Cik Hazlin Binti Abdul Rani |
| 4 | | | | Cyber war and security threats: Penalising hackers who break government regulations and pose threats to the companies and consumers In response to the ever growing threat of loss of data and national | En Lee Hwee Hsiung |
| 5 | 5 - 7 March 2014 | Grand Millennium Kuala Lumpur | 4th Annual Cybersecurity for Government Asia 2014 | How to Effectively Raise IT Security Awareness Amongst System Users Within Government / Organisation | Lt Col Sazali Bin Sukardi (Retired) |
| 6 | 10 April 2014 | Hilton Kuala Lumpur, Malaysia | Computer world Security Summit 2014 | Speaker : Trends of Cyber Threats and Challenges Ahead | Dr. Amirudin Bin Abdul Wahab |
| 7 | 18 January 2014 | Labuan | CyberSAFE in School | Kesedaran Siber- Adab Digital Citizen | En Aaron Ikram Bin Mokhtar |
| 8 | 27 February 2014 | Cheras, KL | CyberSAFE in School | Kesedaran Siber- Secure the Human | Pn Azira Binti Abd Rahim |
| 9 | 20 March 2014 | Politeknik Ungku Omar Ipoh | CyberSAFE in Organisation | Kesedaran Siber-Adab Digital Citizen | En Jazannul Azriq Bin Aripin |
| 10 | 16 April 2014 | Dewan SMK Putrajaya Presint 11 (1) | CyberSAFE in School | Kesedaran Internet-Adab Digital Citizen | En Edwan Bin Mohammad Isa |

| 11 | 26 June 2014 | Fiscal Digest Sdn Bhd | CyberSAFE in Organisation | ISMS Implementation based on 27001:2013 Standard | Pn Noor Aida Binti Idris |
|----|----|----|----|----|----|
| 12 | 26 June 2014 | Jabatan Mineral & Geosains Malaysia | CyberSAFE in Organisation | Pengurusan Insiden Keselamatan | Pn. Kilausuria Binti Abdullah |
| 13 | 8 May 2014 | Bahagian Perkhidmatan Farmasi Penguatkuasa | CyberSAFE in Organisation | Keterangan Saksi Pakar Melibatkan Bahan Bukti Digital | En. Mohd Zabri Adil Bin Talib |
| 14 | 11 August 2014 | World Class Training Center Kuching Sarawak | CyberSAFE in Organisation | Anti Money Laundering Methods & Countermeasure Crime in the Suites | Pn. Sharifah Roziah Binti Mohd Kassim |
| 15 | 20 August 2014 | ILKAP Bandar Baru Bangi | CyberSAFE in Organisation | Seminar on Administration of Justice for child safety and protection | Pn Faiszatulnasro Binti Mohd Maksom |
| 16 | 13 - 14 August 2014 | Resort World Hotel, Langkawi | Malaysian Internet Governance Forum 2014 | Risiko dan kepercayaan pengguna terhadap internet. | Encik Mohamed Anwer bin Mohd. Yusof |
| 17 | | | | | Pn Sharifah Roziah Binti Mohd Kassim' |
| 18 | | | | | En Fathi Kamil Bin Mohad Zainuddin' |
| 19 | | | | | Pn Nor'azuwa Binti Muhamad Pahri |
| 20 | | | | | En Fazlan Bin Abdullah |
| 21 | 27 - 31 October 2014 | Malaysia | Technical training for Nigeria | Technical training | En Ahmad Dahari Bin Jarno |
| 22 | | | | | Pn Hafizah Binti Che Hasan |
| 23 | | | | | En Ruhama Bin Mohammed Zain |
| 24 | | | | | En Mohd Saifuddin Amri Bin Sajali |
| 25 | | | | | En Muhammad Arman Bin Selamat |
| 26 | 14 October 2014 | Pusat Kecemerlangan, BERNAMA, Kuala Lumpur | Google-Fu Power Search Techniques for Bernama Reporters | Google-Fu Power Search Techniques | En Mohamad Nizam Bin Kassim |

# EDITORIAL COMMITTEE

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