



# 2022

## ANNUAL REPORT

REVIVE • REPOSITION • RISE

## COVER RATIONALE



“Metamorphosis” is a concept inspired by transformation and innovation that coincides with CyberSecurity Malaysia’s 25th anniversary. We are happy to present the extraordinary journey of transformation over the last quarter-century in our momentous 2022 annual report. The aim of this cover is to emphasise the critical role that transformation has played in the success, navigating the winds of change, and driving long-term growth of CyberSecurity Malaysia.

As we commemorate 25 years of transformation, this cover captures our pride in the past, our ambition for the future, and the enduring spirit of transformation that has propelled our development. “Metamorphosis” is also influenced by the three transformation planning principles known as the 3Rs: Revive, Reposition, and Rise. It demonstrates the ability to navigate change while also inspiring growth, reinforcing the organization’s position as a forward-thinking and resilient organisation in an ever-changing cyber world.

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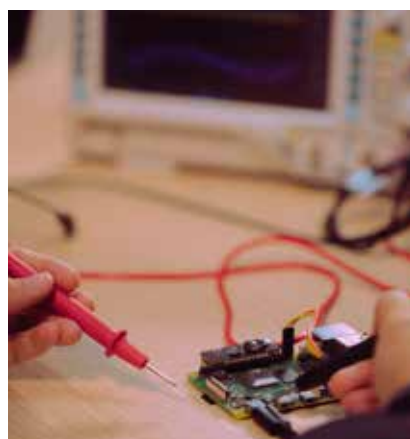
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# INTRODUCTION

The Annual Report is a fascinating story that details CyberSecurity Malaysia's accomplishments, challenges, and milestones over the year. Dive into this report to discover a mosaic of successes driven by passion and inventiveness as we explore new ground towards a new future. Prepare to be captivated by the story behind the numbers, as every page exposes our unwavering commitment to success and rewriting the rules of excellence.







CyberSecurity Malaysia is the national cyber security specialist and technical agency under the purview of the Ministry of Communications and Digital (KKD)

Pursuant to the Federal Government Ministerial Order 2019, with effect from 21 May 2018, CyberSecurity Malaysia is placed under Ministry of Communications and Digital.

CyberSecurity Malaysia is committed to provide a broad range of cybersecurity innovation-led services, programmes, and initiatives to reduce vulnerability of digital systems, and at the same time strengthen Malaysia's self-reliance in cyberspace.

The agency provides the following specialised cybersecurity services.

1. Cyber Security Responsive Services
2. Cyber Security Proactive Services
3. Outreach and Capacity Building
4. Strategic Study and Engagement
5. Industry and Research Development



### Vision

World-class cyber security specialist agency.



### Mission

Leading the development of a safer and more resilient cyber ecosystem to enhance national security, economic prosperity, and social harmony through

1. Provision of quality and impactful services
2. Frontier-expanding cyber knowledge and technical supremacy
3. Continuous nurturing of talent and expertise

## TIMELINE

Starting the company from humble beginnings with the purpose driven by the crucial purpose of safeguarding Malaysia's digital landscape to remarkable triumphs. Witness our evaluation and unwavering dedication in a concise and compelling narrative.

# 1997

13 January 1997

The Malaysia Computer Emergency Response Team (MyCERT) is established under MIMOS Berhad.



# 1998

24 January 1998

The Government of Malaysia through the National Information Technology Council (NITC) Meeting 6/98 decides to establish the National ICT Security & Emergency Response Centre (NISER) to address information security issues at the national level.



30 October 1998

The Government Internet and IT Committee or Jawatankuasa IT dan Internet Kerajaan (JITIK) places NISER under MIMOS Berhad. MyCERT becomes a part of NISER.



YBhg Datuk,

PENUBUHAN AGENSI KESELAMATAN TEKNOLOGI MAKLUMAT DAN KOMUNIKASI (NATIONAL SECURITY AND EMERGENCY RESPONSE - NISER)

Dengan hormatnya saya merujuk kepada perkara di atas.

2. Berdasarkan kepada perkara 3.2 dalam Minit Mesyuarat JITK Bil.3/1998, minit keputusan dalam mesyuarat tersebut adalah tidak tepat dan kami mencadangkan perubahan seperti berikut:-

# 1999

28 May 1999

The Strategic Thrust Implementation Committee (STIC) Meeting 1/99 expanded the function of NISER to address cybersecurity initiatives at the national level by "creating, monitoring, and updating its defence and security systems against cyber threats" together with other Government agencies.

# 2001

10 April 2001

NISER is officially launched by the Deputy Prime Minister of Malaysia. 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.



Rujukan Kami: NISER/SPA/8252/L/05(01)

29 November 2005

SURUHANJAYA SYARIKAT MALAYSIA

Tingkat 2, 10-17 Putra Place  
100 Jalan Putra  
50622 Kuala Lumpur

U/P: Bahagian Carian Nama  
(Name Search Division)

**2005**  
28 September 2005

Merujuk kepada perkara di atas, adalah dimaklumkan bahawa pihak kami berhasrat untuk mendaftarkan sebuah CLG dengan nama "National ICT Security and Emergency Response Centre (NISER)". Nama cadangan ini mempunyai persamaan dengan cap dagang kami yang berikut:



Pihak kami dengan ini memberi persetujuan kami bagi penggunaan nama cadangan

The Cabinet Meeting, through the Joint Cabinet Notes by the Ministry of Finance (MOF) and Ministry of Science, Technology, and Innovation (MOSTI) No. H609/2005 agrees to spin off NISER from MIMOS Berhad.

MIMOS BERHAD  
(Company No.: 336183-H)

14 March 2006

NISER is incorporated as a Company Limited by Guarantee (CLG), making it a distinct body from MIMOS Berhad and to function a national agency to monitor national e-Security issues, under the purview of MOSTI.

**2006**

1 June 2006

NISER starts operating independently from MIMOS Berhad.

PORTFOLIO TRANSFER AGREEMENT  
(IN RELATION TO THE SEGREGATION OF  
NISER OPERATIONS FROM MIMOS)

**2007**

20 Mac 2007

NISER is rebranded as CyberSecurity Malaysia to suitably reflect its expanded roles, which includes coordination and implementation of the National Cyber Security Policy (NCSP).

20 August 2007

The Prime Minister of Malaysia launches CyberSecurity Malaysia's logo and brand name, marking the official rebranding and transformation of NISER to CyberSecurity Malaysia.

ABDULLAH

**2018**

19 October 2018

CyberSecurity Malaysia is placed under Ministry of Communications and Multimedia Malaysia. (Now Ministry of Communications and Digital Malaysia)

**2019**

15 April 2019

CyberSecurity Malaysia begins full operations from Menara Cyber Axis, Cyberjaya.

A man in profile, focused on his work, is soldering a circuit board. He is wearing a dark jacket. The scene is dimly lit with a strong blue light source, likely from a computer monitor or a specialized lab light, creating a high-tech, futuristic atmosphere. In the background, there are blurred shapes of equipment and a desk lamp. The overall mood is one of concentration and technical expertise.

## ROLES & SERVICES

With the vision to become a world-class cybersecurity specialist agency, our mission is to lead the development of a safer and more resilient cyber ecosystem to enhance national security, economic prosperity, and social harmony through:

1. Provision of quality and impactful services
2. Frontier-expanding cyber knowledge and technical supremacy
3. Continuous nurturing of talent and expertise.

CyberSecurity Malaysia pursues this mission through SiberKASA, a comprehensive framework that develops cybersecurity solutions by virtue of the three elements of People, Process, and Technology.

The SiberKASA framework is developed based on our five core services:

1. Cybersecurity Responsive Services
2. Cybersecurity Proactive Services
3. Outreach and Capacity Building
4. Strategic Study and Engagement
5. Industry and Research Development

The following is a distilled overview of our five core services and services and products offered:



### Digital Forensics (DF)

#### CyberCSI

Execution of digital forensic services for Malaysian law enforcement agencies in criminal cases on competency level 1 (beginner), 2 (intermediate), and 3 (advanced) cases.

Functional area: Criminal cases as national service

- i. Conduct internal and external operational activities.
- ii. Conduct criminal case consultation with stakeholders.
- iii. Conduct digital forensic analyses for all competency level 1, 2, and 3 cases.
- iv. Conduct lab operations and tool maintenance activities.
- v. Validate research prototype and technical training module.

#### CyberDiscovery Services

Execution of digital forensics services for private agencies and public citizens for civil cases on competency level 1, 2, and 3 cases.

Functional area: Civil cases as commercial service.

- i. Conduct internal and external cyber discovery operation activities.
- ii. Conduct cyber discovery case consultation with external customers.
- iii. Conduct digital forensic analyses for all competency level 1, 2, and 3 cases.
- iv. Conduct cyber discovery lab operations and tool maintenance activities.
- v. Validate research prototype and technical training module.





## Malaysia Computer Emergency Response Team (MyCERT)

### Cyber999

Cyber999 is a service provided for Malaysian Internet users to report or escalate computer security incidents based on eight (8) incident categories including malicious codes, Denial of Service (DoS) or Distributed Denial of Service (DDoS), Fraud, Intrusion Attempt, Content Related, Intrusion, Spam and Vulnerability Report. Computer security incidents may be reported to Cyber999 via online form, email, phone call, and mobile application.

### Cyber Threat Research Centre

The CyberSecurity Malaysia Malware Research Centre was launched on December 2, 2009, now known as Cyber Threat Research Centre (CTRC). The centre operates a distributed research network for analysing malware and computer security threats.

The centre collaborates with trusted parties and researchers to expand threat research information as well as the following activities:

- i. Conducting research and development work in mitigating malware threats in the domains of mobile, network, and web.
- ii. Producing advisories on latest threats.
- iii. Monitor threat visibility.
- iv. Partnership with universities, other CERT's and international organisations.

The services outcome offered by CTRC to the public includes Cyber Drill exercise, Network Compromise Assessment using CMERP Insight, Host Compromise Assessment, On-site Incident Responder, and Phishing Exercise.

The products outcome offered by CTRC to the public includes LebahNET, CMERP, Mobile Assessment Security Scanning Application (MASSA), and Cyber999 Mobile Application.



### Malaysian Vulnerability Assessment Centre (MyVAC)

**The Vulnerability Assessment & Penetration Testing (VAPT)** is one of MyVAC's services that is catered for public and private organizations to discover and highlight security issues in the client environment. Subsequently, it provides recommendations and countermeasures to rectify the vulnerabilities in order to reduce the risk of security breaches.

### Malaysian Security Evaluation Facility (MySEF)

**MySEF** provides independent evaluation services to evaluate ICT products and systems under various certification schemes namely Common Criteria Evaluation & Certification (MyCC), Technology Security Assurance (TSA), ICT Product Security Assessment (IPSA) and Cloud Security Assessment.

### Information Security Management & Assurance

Provided by **Information Security Management & Assurance**, the Information Security Management System Guidance Series is a service provided to government agencies and corporate organizations to provide guidance on managing information security towards fulfilling all requirements for ISO/IEC 27001 Information Security Management System Standard certification.

### Information Security Certification Body (ISCB)

**ISCB** manages certification services related to information security. Its Privacy Information Management System (PIMS) Certification scheme focus on quality management system of digital security and privacy.

### Cryptography Development

**Cryptography Development** was established in 2007 to spearhead research and development in various areas of cryptography. Among others, the MyCEL lab which has been accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), USA, to evaluate the correct implementation of cryptography through cryptographic module and algorithm validation services.



## OUTREACH AND CAPACITY BUILDING

### Global Accredited Cybersecurity Education (ACE) Certification Scheme

**The Global Accredited Cybersecurity Education (ACE) Certification Scheme** is a holistic framework for cybersecurity professional certification developed in Malaysia through a collaboration between government, industry and academia, in tandem with international standards such as ISO/IEC 17024, ISO 9000, and ISO/IEC 27001. This scheme is an overall approach covering cybersecurity professional certification, independent assessments, impartiality of examinations, competencies of trainers, identification and classification of cybersecurity domains, and the requirements for professional memberships. This scheme is a national capacity and capability program for the field of cyber security. It is recognized locally and globally by the Malaysia Board of Technologist (MBOT), Department of Skills Development, Ministry of Human Resources, and the Organization of Islamic Cooperation (OIC).

### CyberSAFE™

**CyberSAFE™** (Cyber Security Awareness For Everyone) is an outreach program developed to spread cybersecurity awareness among Internet users towards fostering a safer digital world. With the mission to impart practical knowledge on cybersafety, positive use of technology and to provide necessary resources to all segments of the community, CyberSAFE™ is committed to provide cybersecurity information for kids, youth, parents, and organisations.





## STRATEGIC STUDY AND ENGAGEMENT

### Government Engagement

CyberSecurity Malaysia's strategic engagement with the Malaysian government is aimed to establish collaboration and drive a positive working relationship with the public sector towards enhancing CyberSecurity Malaysia's visibility and relevancy.

In fulfilling its role as a national cybersecurity agency, CyberSecurity Malaysia actively provides feedback about the current cybersecurity landscape to government stakeholders such as the ministries and parliament to establish understanding on up to date cybersecurity to facilitate decision making.

### International Engagement

**International engagement** is quintessentially a major agenda in the cybersecurity policy and framework of any country. In CyberSecurity Malaysia, our international engagement identify involvements in cross border initiatives such as international cybersecurity cooperation platforms and forums. In strengthening CyberSecurity Malaysia's reputation, we strive to take up major roles in such collaborations in driving the country's agenda. The international bilateral and multilateral relations bolsters CyberSecurity Malaysia and Malaysia's position at the global cybersecurity arena.

CyberSecurity Malaysia is the co-founder of two international cybersecurity collaborations namely the Organization of Islamic Cooperation – Computer Emergency Response Team (OIC-CERT) and the Asia Pacific Computer Emergency Response Team (APCERT). Additionally, CyberSecurity Malaysia is the driver in the establishment of OIC-CERT. Starting as the the Chair of the OIC-CERT Formation Task Force and subsequently as the first Chair of OIC-CERT, CyberSecurity Malaysia was chosen unanimously to be the present Permanent Secretariat of this collaborative platform. As the Permanent Secretariat, CyberSecurity Malaysia is responsible to drive international collaboration among members involving 27 countries at present. Meanwhile in APCERT, we are the Operational Member, Steering Committee Member, and presently the Chair to this collaborative platform.



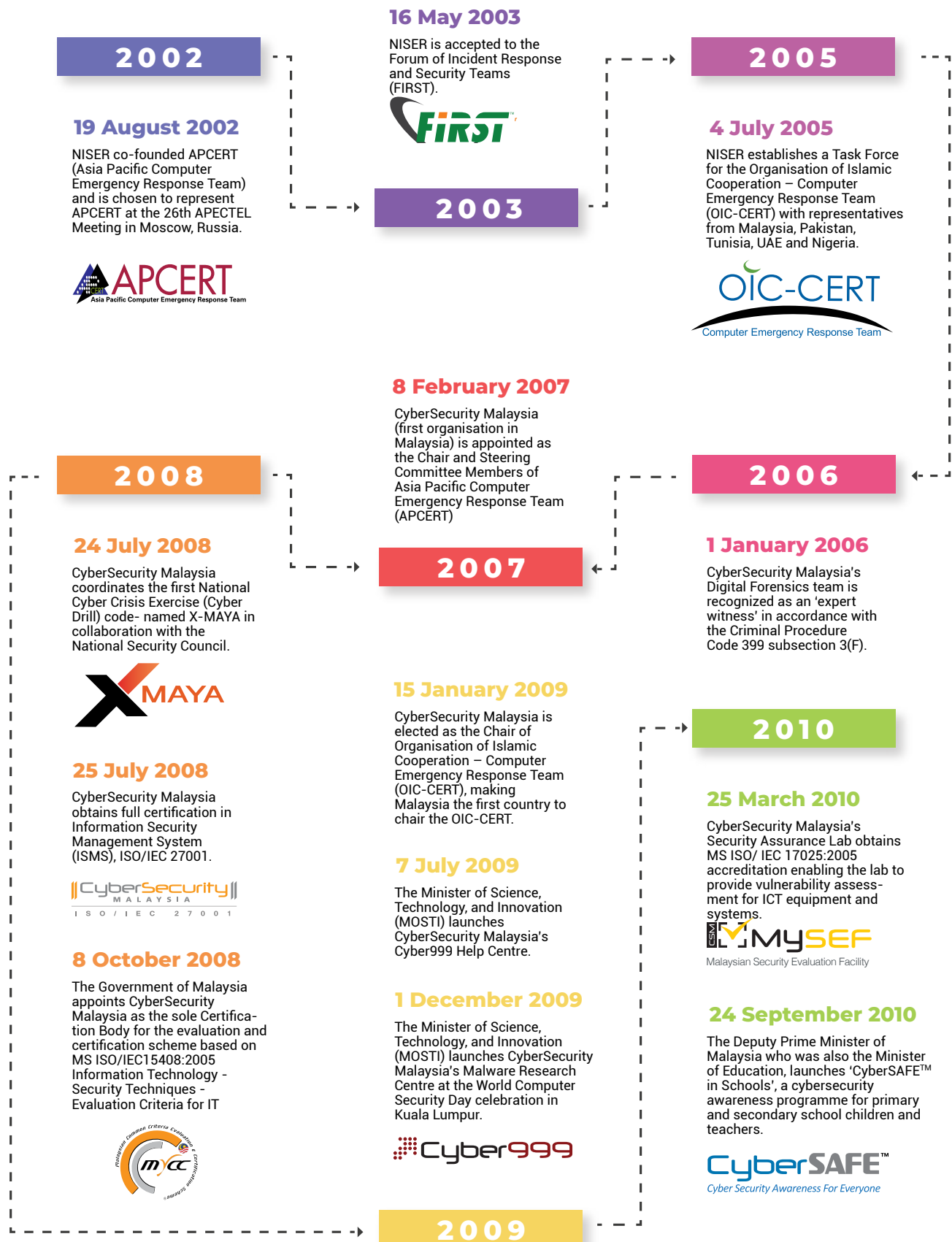
## INDUSTRY AND RESEARCH DEVELOPMENT



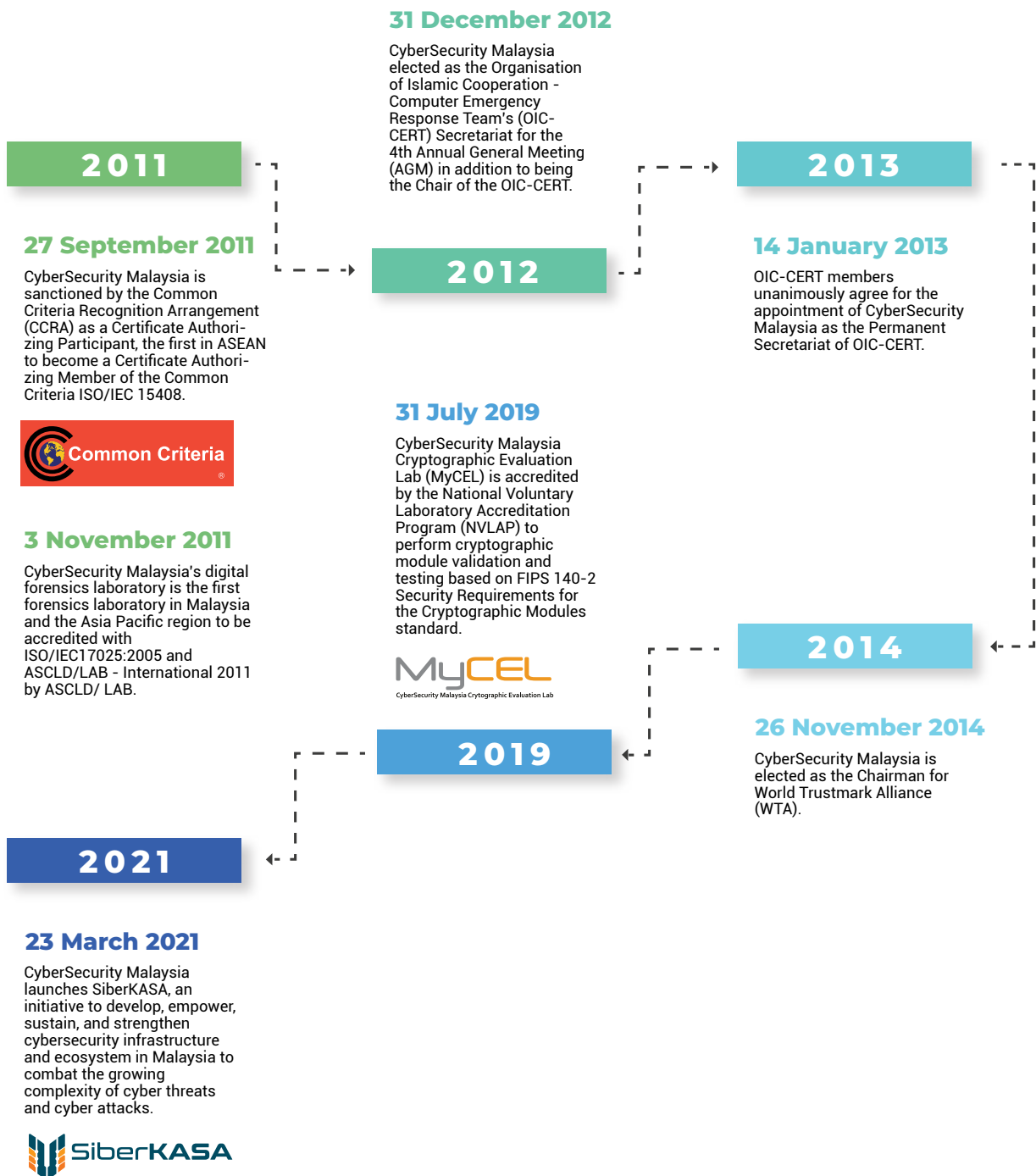
As the fifth core service of CyberSecurity Malaysia, **Industry and Research Development** consists of strategic security research and advisory that is tasked to explore current and emerging trends in technology and the cybersecurity landscape. From here, new suitable initiatives are identified to coordinate and stimulate a constant research activity. Further more, the division has established various strategic collaboration programs that involve government, academic, and industry stakeholders. In addition, the division actively collaborates with other research entities towards the production of high-quality research in the field of cybersecurity. The outcome arising from our research activity represents a credible source for stakeholders to facilitate strategic planning and decision making.

# MILESTONE

These critical milestones denote various project phases. Cybersecurity Malaysia milestones served as a guidepost for any adjustments and developments. Many initiatives and programmes have been completed during the last two decades, resulting in the organization's innovation and growth of Malaysia's solid and secure cyber landscape.







## AWARDS AND LEADERSHIP

In recognition of CyberSecurity Malaysia's exceptional achievement and commitment to excellence, we proudly present an overview of the awards and leadership we have attained during the past years. These honours serve as the unwavering commitment to innovation, quality, and outstanding performance from CyberSecurity Malaysia.



Best Branding for SMEs Chapter Awards  
2008 – Internet Security  
2009 – Cybersecurity



CyberSecurity Malaysia is the Asia Pacific Region winner during the 1st Global Cyberlympics Championships (an ethical hacking competition) in 2011.



The most outstanding CSOs in ASEAN region :  
Dr. Amirudin Abdul Wahab, Chief Executive Officer, CyberSecurity Malaysia (2014)



Asia Pacific Information Security Leadership Achievements (ISLA) Award: 17 honorees from Malaysia CyberSecurity Malaysia: 2009-2013



The CyberSAFE portal [www.cybersafe.my](http://www.cybersafe.my) won the Saramad Golden Award for "The Best Initiative in Child Online Protection" from among 148 participating organisations, during the 6th International Digital Media Fair & Festival 2012 (IDMF 2012) in Tehran, Iran.



FireEye Best Cyber Security Innovation Award 2015





CIO Excellence & Leadership  
Dr. Solahuddin Shamsuddin,  
Chief Technology Officer  
CyberSecurity Malaysia (2016)



CyberSecurity Malaysia receives the BSI Award 2016 by BSI Services Malaysia Sdn Bhd for "Training Support Excellence" .



JABATAN PERDANA MENTERI

CyberSecurity Malaysia received the 2017 NBOS Award by the Chief Secretary to the Government of Malaysia on various projects such as Cyber999 Coordination Service, Cyber RANGE Lab Malaysia - Next Gen Cyber Defender, Evaluation and Certification of ICT Products and Digital Forensics Reference Services.



1<sup>st</sup> International Conference on Information Security  
with SCO, BRICS, CSTO participation  
**INFOFORUM Ugra**



Professional Award for Development of Professional Relations in Information Security from Russia, General Tan Sri Dato' Seri Panglima Mohd Azumi Mohamed (Retired), Chairman of the Board of Directors, CyberSecurity Malaysia (2018).

#### Champion of World Summit on the Information Society (WSIS) Forum:

- WSIS 2016 : Securing the Cyber Space through Computer Emergency Response Team (CERT) initiatives
- WSIS 2017 : Collaborative Information Sharing Model for Malware Threats Analysis: A Case Study for the Organisation of Islamic Cooperation – Computer Emergency Response Team (OIC-CERT)
- WSIS 2020 : Global ACE Certification



CyberSecurity Malaysia receives the DataVisionary Award from Hortonworks for global pioneering works in implementing Big Data, Machine Learning and Artificial Intelligence in cybersecurity (2018).



YBhg. Dato' Ts. Dr. Haji Amirudin Abdul Wahab, Chief Executive Officer of CyberSecurity Malaysia receives the Recognition of Excellence Award at the Malaysia OpenGov Leadership Forum held in Putrajaya (2018).



CyberSecurity Malaysia is accredited by INTERPOL for the contribution of digital forensics expertise in developing the INTERPOL Global Guidelines For Digital Forensics Laboratories (2019).



CyberSecurity Malaysia is the Team Champion at the 1st ACSC-ASEAN Capture the Flag (2019).



CyberSAFE™ L.I.V.E Galeri was recognised by The Malaysia Book of Records as "The First Cyber Security Gallery in Malaysia". The gallery serves as a hub for research, training, and the dissemination of cybersecurity knowledge in Malaysia as part of CyberSAFE™ (2021).



Computer Emergency Response Team

MALAYSIA	LIBYA
OMAN	MOROCCO
AZERBAIJAN	NIGERIA
IRAN	PAKISTAN
INDONESIA	QATAR
EGYPT	SAUDI ARABIA
UNITED ARAB EMIRATES	SUDAN
BANGLADESH	SYRIA
BRUNEI	TUNISIA
COTE D'IVOIRE	UZBEKISTAN
JORDAN	TURKEY
KAZAKHSTAN	KYRGYZSTAN
KUWAIT	SOMALIA
	UGANDA

Permanent Secretariat to the Organisation of Islamic Cooperation – Computer Emergency Response Team (OIC-CERT).





The only cybersecurity Training Provider in MTCP under the Ministry of Foreign Affairs.



**World Trustmark Alliance**  
Global Trust Innovation

Chairman of World Trustmark Alliance for 2014 and 2015.



Focal point in organizing cybersecurity training for the African Region, Middle East Region and Asian Region.



- APCERT Chair (2019 – 2020)
- APCERT Steering Committee (2019 – 2020)



#### Certificate Authorizing Participants

##### MALAYSIA

NETHERLANDS	NORWAY
SOUTH KOREA	NEWZ EALAND
JAPAN	SWEDEN
AUSTRALIA	INDIA
SINGAPORE	CANADA
TURKEY	FRANCE
UNITED STATES	GERMANY
SPAIN	ITALY

#### Certificate Cosuming Participants

GREECE	ISRAEL
FINLAND	ETHIOPIA
AUSTRIA	CZECHR EPUBLIC
DENMARK	QATAR
HUNGARY	PAKISTAN
INDONESIA	POLAND
UNITED KINGDOM	SLOVAK REPUBLIC

Malaysia is among the first ASEAN country to receive a certificate authorising nation since 2011

Member Country Partnership Strategy (MCPS) - spearheaded cybersecurity area under Reverse Linkage Program. Assist Central Bank of Suriname to establish ISMS Framework.



Serves as cybersecurity expert & co-chair in the Council for Security Cooperation in the Asia Pacific, Malaysia (CSCAP).



Digital Forensics Lab is the 1st in Asia Pacific region accredited by American Society of Crime Laboratory Directors (ASCLD)/LAB certification.



**Asia-Pacific Economic Cooperation**

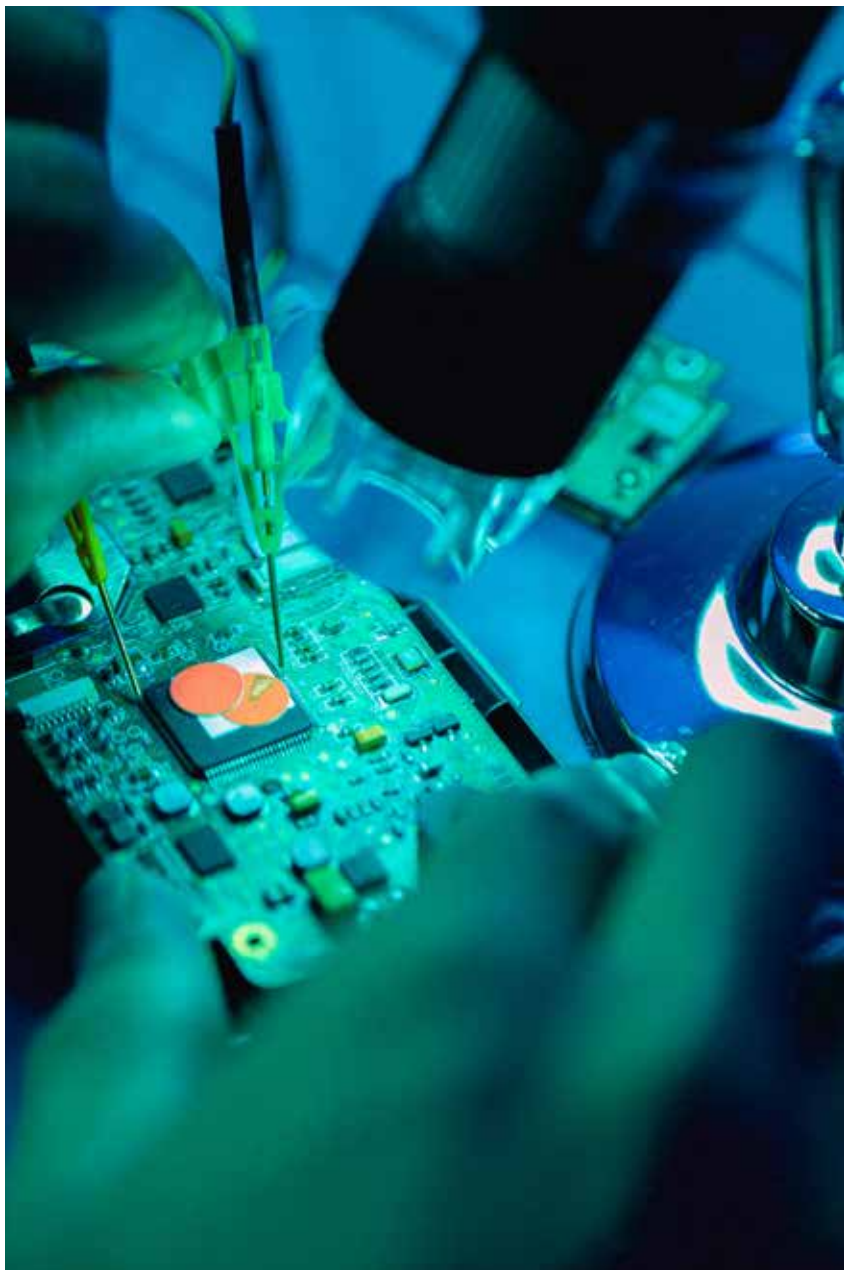
Deputy Chair of the 32 Global Expert Council Members Of APEC E-Commerce Business Alliance (ECBA).

# TRANSFORMATION





# CYBERSECURITY MALAYSIA TRANSFORMATION PLAN



In forging our commitment to continue a history of excellence and to prepare us for a highly dynamic and sophisticated digital future, CyberSecurity Malaysia launched the CyberSecurity Malaysia Transformation Plan in 2022. We are cognizant of novel risks and threats that will continue to emerge in cyberspace.

With the implementation of the CyberSecurity Malaysia Transformation Plan, the components of Governance and Strategic Alignment, People, Process, and Technology will be remapped to accomplish the following objectives:

1. Shape a clear value strategy and direction;
2. Prepare CyberSecurity Malaysia for the next phase of growth;
3. Engage CyberSecurity Malaysia staff members across all levels towards holistic change and growth;
4. Integrate technology, research, and innovation as a culture.

# CYBERSECURITY MALAYSIA TRANSFORMATION PLAN

**3R**  
2022-2025

REFLECT INWARD



**REVIVE**

2022-2023



THINK OUTWARD

**REPOSITION**

2022-2024

MOVE FORWARD

**RISE**

2024-2025

GOVERNANCE &  
STRATEGIC  
ALIGNMENT

PEOPLE

PROCESS

TECHNOLOGY

CHALLENGE

100%

YOU  
CAN  
DO IT



# CORPORATE GOVERNANCE

Safeguarding the digital ecosystem with unwavering integrity, the corporate governance for CyberSecurity Malaysia stands as an impregnable fortress, sailing the seas of transparency, where innovation and vigilance interweave. They take a proactive and dynamic approach to navigating the ever-changing world of cyber threats, assuring the resilience and trust that propels us ahead into a safe future.





# CHAIRMAN'S STATEMENT



Throughout 2022, CyberSecurity Malaysia successfully forged a series of strategic collaborations with government agencies and departments. Among the most notable was with Office of Chief Security Officer of the Government of Malaysia (CGSO). A signed Memorandum of Understanding (MoU) with CGSO further strengthened cyber security and development of expertise to keep Malaysia's cyber space safe.

General Tan Sri Dato' Sri (Dr.) Haji  
Zulkifeli Bin Mohd Zin (Retired)  
*Chairman, Board of Directors, CyberSecurity Malaysia*

Digital transformation has brought about a paradigm shift in business operations and changing cyber-security requirements. As the complexity in digital infrastructure increases, so are the frequency and sophistication in cyber-attacks, leading to mounting losses across every industry. Cybersecurity is the number one threat facing every business today. In 2022, the state of cyber security in the Asia Pacific (APAC) region worsened more than anywhere else in the world, after relentless attacks and intrusion by cyber criminals and bad actors. According to an IBM intelligence report, APAC region was the most attacked, accounting for 31% of all incidents remediated worldwide. Manufacturing topped the list of industries attacked, followed by finance and insurance. As Malaysia's economy opened up, online frauds became the most reported cyber threat incident. The year 2022 ended with a total of 4,741 reported cyber incidents, resulting in almost RM600 million in losses.

As Malaysia forges ahead with Digital Transformation, cyber security will become even more critical. Both security and digital safety are foundational to trust in today's complex threat landscape. CyberSecurity Malaysia is cognizant of novel risks and threats that continue to emerge in cyberspace. Recognizing the importance to establish a vibrant cyber security ecosystem and infrastructure, **CyberSecurity Malaysia Transformation Plan** was implemented last year.

The transformation has helped CyberSecurity Malaysia remap its governance and strategic alignment within the framework of **People, Process, and Technology**. Every organization needs to infuse technology into its business processes and functions so people can do more with less. The visionary plan has shaped a clear value strategy and direction for CyberSecurity Malaysia. It has also sparked a holistic change within our organization and inculcated a new culture that integrates technology, research and innovation. To drive positive impact and growth with technology, people need to be able to trust the technologies they use.

As Malaysia embarks on Phase 2 of Malaysia Digital Economy Blueprint in 2023, a strong and robust cyber security ecosystem is critical in driving digital transformation and inclusion. However, having a robust cyber security strategy is inadequate without an effective and competent team to successfully defend our nation against cyber-attacks. The challenge of securing our growing cyberspace calls for a larger and more skilled cybersecurity workforce.

According to the 2022 ISC2 Cybersecurity Workforce Study, despite global cybersecurity professionals hitting a record of almost 4.66 million in 2022, of whom 859,027 were based in

APAC, the workforce shortage continued to widen by 26.2% to 3.42 million.

Throughout 2022, CyberSecurity Malaysia successfully forged a series of strategic collaborations with government agencies and departments. Among the most notable was with Office of Chief Security Officer of the Government of Malaysia (CGSO). A signed Memorandum of Understanding (MoU) with CGSO further strengthened cyber security and development of expertise to keep Malaysia's cyber space safe. Through the collaboration, a working committee and special working groups were jointly set up with CGSO to implement Cyber Security Emergency Response, Incident Handling, and Digital Forensics; Cyber Security Capability and Capacity Development; Outreach; Cyber Security Research and Cyber Security Risk Assessment and Certification.

To further strengthen internal corporate governance, CyberSecurity Malaysia implemented our 2021-2023 Organisational Anti-Corruption Plan (OACP). The anti-corruption pledge by the entire CyberSecurity Malaysia organization underscored our firm commitment in supporting the government's efforts to overcome weaknesses in critical areas of governance, integrity and corruption within organisations, in line with mandatory initiatives laid out in YAB Prime Minister's directives within the National Anti-Corruption Plan (NACP).

### International Recognition

On the international front, CyberSecurity Malaysia continued to play a significant role and gained global recognition in the field of cyber security. In March 2022, CyberSecurity Malaysia was invited to the World Police Summit for law enforcement and professionals in United Arab Emirates (UAE). Attended by enforcement agencies from 50 countries, the summit provided a strategic platform for CyberSecurity Malaysia to showcase its expertise and share our perspective on the future of law enforcement particularly cybercrime.

CyberSecurity Malaysia also participated in INTERPOL's Young Global Police Leaders Program in UAE where investigating officers from 36 countries exchanged ideas and learnt new skills and competencies to meet future technological challenges. CyberSecurity Malaysia's participation underscored the international recognition of our agency's capabilities, and provided an opportunity for Malaysia to form cooperation between enforcement agencies, technical and industry players.

On 5G cyber security framework, CyberSecurity Malaysia attended 2022 Gulf Information Security Conference and Expo (GISEC) and 4th Cybersecurity Innovation Summit 2022 organized by Cyber Security Council of UAE and Agence Nationale de la Sécurité Informatique en Tunisie (ANSI), respectively.

In June 2022, CyberSecurity Malaysia expanded into emerging cyber security areas of cryptocurrency investigation, forensics process and related legal process by sending our personnel for job attachments with Australian Federal Police (AFP).

Re-elected for the fifth time as Chair for Asia Pacific Computer Emergency Response Team (APCERT) 2022-2023, CyberSecurity Malaysia continued to provide strong leadership to all 33 team members from 24 countries across Asia Pacific. I am confident that as founding member of APCERT since 2002, CyberSecurity Malaysia will continue leading Asia Pacific's regional and international cooperation on information security and facilitating information-sharing and technology exchange between member countries.

Meanwhile, Malaysia remained Permanent Secretariat to Organisation of Islamic Cooperation OIC-CERT in 2022 and Member of its Permanent Board of Directors. As the Permanent Secretariat, CyberSecurity Malaysia is committed in taking on a leading role and becoming the driving force for OIC-CERT as a collaborative platform for cyber security of OIC countries.

### Moving Forward

2022 was also a landmark year as CyberSecurity Malaysia crossed the quarter century mark. Incorporated in 1997 as Malaysian Computer Emergency Response Team (MyCERT), CyberSecurity Malaysia has grown significantly to a national cyber security specialist agency with 234-strong staff. I would like to thank the entire management team and staff for their hard work in building up CyberSecurity Malaysia to what it is today, as well as partners and associates for their support in our cyber security programs and initiatives. Our growth and impact this past year would not have been possible without your commitment and belief in our mission.

As we look to the next year and beyond, let us continue to reflect on where the industry needs us to do better. Robust and effective cyber security is critical for economic prosperity, national security and international competitiveness. On this front, CyberSecurity Malaysia remains firmly committed to strengthening cyber resilience and creating a safe digital environment for all Malaysians.

## THE BOARD OF DIRECTORS



General Tan Sri Dato' Sri (Dr.) Haji Zulkifeli Bin  
Mohd Zin (Retired)

.....  
*Chairman, Board of Directors,  
CyberSecurity Malaysia,*  
.....



Dato' Sri Haji Mohammad Bin Mentek

.....  
*Secretary General of the Ministry of  
Communications and Multimedia Malaysia*  
.....

*Director, CyberSecurity Malaysia*  
.....



Dato' Ts. Dr. Haji Amirudin bin  
Abdul Wahab FASc

.....  
*Chief Executive Officer, CyberSecurity Malaysia*  
.....

*Director, CyberSecurity Malaysia*  
.....



Mohd Sori Bin Husain

.....  
*Director, CyberSecurity Malaysia*  
.....





Shaifubahrim Bin Mohd Saleh

.....  
*Director, CyberSecurity Malaysia*  
.....



Dato' Dr. Suhazimah binti Dzazali

.....  
*Director, CyberSecurity Malaysia*  
.....



Dato' Sri Mohd Mokhtar bin Hj Mohd Shariff

.....  
*Director, CyberSecurity Malaysia*  
.....



Derek John Fernandez

.....  
*Director, CyberSecurity Malaysia*  
.....

# 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 include 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 Committees, which were set up, also fulfilled their specific responsibilities.

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

#### i. Objectives:

- Develop and periodically review overall remuneration policy and human resource strategies of CyberSecurity Malaysia to ensure it is contributing effectively to the success of the company.
- Ensure integrity of the remuneration policies and human resource practices and their effectiveness and compliance within the Company.

#### ii. Duties:

**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.

**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 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 organizational structure for the Company.
- To review potential candidates for hiring and promotion for the Top Management positions of the Company.

#### iii. Members:

- 1.YBhg. Dato' Sri Haji Mohammad Bin Mentek
- 2.YBhg. Dato' Dr. Suhazimah binti Dzazali
- 3.YBr. Tuan Shaifubahrim bin Mohd Saleh
- 4.YBr. Tuan Sori bin Hussain

#### iv. Size and Composition

- 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.

- 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.
- 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.

#### iv. Meetings

- The HRRC shall have meetings at least twice a year. Additional meetings may be conducted at any time with the consensus from all members of the committee.
- 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.
- The quorum for HRRC meeting shall be two (2) members of the appointed members.
- 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, Governance and Integrity Committee (AGI) Duties:

### i. Audit

- Ensure scheduled audits and planning of audit plans are undertaken by the department in charge of audit, governance and integrity as a control and monitoring measure on the financial and operational management of the company.
- Follow-up the audit issues raised in the Laporan Ketua Audit Negara (LKAN) or weaknesses highlighted by the Jabatan Audit Negara by ensuring that the management is performing immediate actions and corrective actions on the

issues as well as establishing and monitoring the compliance of the expected completed dates and timeline of corrective actions.

- If the audit issue raised is brought to the attention of the Putrajaya Inquisition or Jawatankuasa Kira-kira Wang Awam (Public Accounts Committee), the AGI chairman is responsible to be present with the management to explain.
- Reviewing the requirements of the department in charge of audit, governance and integrity including its charter.
- The Audit, Governance and Integrity Committee shall submit reports at Board meetings at least twice a year or at the frequency to be decided by the Committee or requested by the Board. If no audit observation is received, the Audit, Governance and Integrity Committee shall report so at the Board meetings.
- 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.
- To review the internal controls, performance and findings of the internal auditors and to recommend and implement appropriate remedial and corrective actions.
- To recommend to the Board the appointment of external auditors of the Company, the audit fee and any matter of resignation or dismissal.
- 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.
- To review any significant audit problems that can be foreseen either as a result of the previous years' experience or because of new developments.
- To evaluate and review the role of the internal and external auditors from time to time.

- To review any significant related party transactions that may arise within the Company.
- To review any significant transactions which are not a normal part of the ordinary business of the Company.
- To place the internal auditors under the direct authority and supervision of the Audit, Governance & Integrity Committee and to evaluate and approve their performance and remuneration package. Key Performance Indicator of the department in charge of the audit, governance and integrity to be evaluated by the Committee and Chief Executive Officer.
- To recommend changes in the accounting policies to the Board of Directors.
- To review the assistance given by the Company's officers to the auditors.
- To carry out such other responsibilities as may be delegated by the Board of Directors from time to time.

### ii. Governance and Integrity

#### 1. Policy

- 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.
- 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:

- 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.

- 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

- 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.
- 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.

7. Ensure the direction of the company is clear with the goals and initiatives implemented by the department in charge of audit, governance and integrity, the Board plays a major role in shaping the climate and the tone of the company whether it is to put integrity on the right track or vice versa.

8. Ensure that the structure of the department in charge of audit, governance and integrity is separate and directly report to the Board to avoid any pressure, escalation, rejection and improper act on the part of the company.

9. Ensure the department in charge of audit, governance and integrity performs the core defined functionality of the department.

10. Provide instructions to the department in charge of audit, governance and integrity to ensure this department remains relevant as an entity responsible for the preservation of integrity in the company.

### iii. Members:

1. YBhg. Datuk Dr. Abdul Raman Bin Saad (Chairman)
2. YBrs. Encik Mohd Sori bin Husain
3. YBrs. Encik Shaifubahrim bin Mohd Saleh
4. YBrs. Encik Azih bin Yusof
5. YBrs. Encik Derek John Fernandez

## Terms of Reference of the AGI

### Authority

- Authorised by the Board to investigate any activity within its terms of reference and all employees shall be directed to co-operate as requested by the Committee.
- Have unlimited access to all information

and documents relevant to its activities, to the internal and external auditors and senior management of the Company.

- Authorised by the Board to obtain outside legal or other independent professional advice and to secure the attendance of outsiders with relevant experience and expertise as it considers necessary.

### Size and Composition

- The 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 organization. The chairman of the Committee may also be appointed by the Board.

### Meetings

- 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.
- The quorum for meetings shall be two (2).
- 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.
- The Head of department in charge of audit, governance and integrity shall be the secretary for Audit, Governance and Integrity Committee.

## Board Composition And Balance

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 fulfil 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 Costs of Living (KPDN)

The ratio between Government Directors and other Directors appointed or to be appointed to the Board of the Company may be determined from time to time by the Supervising Ministry (KKD) and the appointment of any person as a Director shall first be consented to by the Supervising Ministry (KKD). There are currently five (5) 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 (CEO) 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.

## Directors' Training

Directors are encouraged to attend talks, training programmes and seminars to update themselves on new development 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.) ("MKD") and KKD. 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 are sent out to the members of CyberSecurity Malaysia at least twenty one (21) days before the date of the meeting which is in accordance with the Articles of Association of CyberSecurity Malaysia.

# NOTICE OF ANNUAL GENERAL MEETING

DENGAN INI DIMAKLUMKAN BAHAWA Mesyuarat Agung Tahunan ("AGM") ke-17 CyberSecurity Malaysia ("Syarikat") akan diadakan di Bilik Jati, Level 10, Tower 1 Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor pada hari Isnin, 26 Jun 2023 pada jam 10.00 pagi untuk pelaksanaan urusan-urusan berikut :

## URUSAN BIASA

1.	Untuk menerima Penyata Kewangan yang telah diaudit bagi tahun kewangan berakhir 31 Disember 2022, berserta laporan-laporan Lembaga Pengarah dan Juruaudit yang berkaitan dengannya. (Rujuk nota keterangan 1)	
2.	Untuk meluluskan pembayaran elaun bulanan Pengerusi bukan Eksekutif dan Pengarah bukan Eksekutif berjumlah sehingga RM240,000 dan manfaat lain bermula dari tarikh AGM ke-17 hingga AGM Syarikat bagi tahun yang berikutnya. (Rujuk nota keterangan 2)	Resolusi 1
3.	Untuk melantik semula Pengarah berikut, yang akan bersara mengikut giliran menurut Artikel 52 Perlembagaan Syarikat dan oleh kerana layak, telah menawarkan diri untuk dilantik semula; 3.1 YBrs. Encik Shaifubahrim bin Mohd Saleh; dan 3.2 YBhg. Dato' Dr. Suhazimah binti Dzazalli. (Rujuk nota keterangan 3)	Resolusi 2
4.	Untuk melantik semula Pengarah berikut, yang akan bersara menurut Artikel 54 Perlembagaan Syarikat dan oleh kerana layak, telah menawarkan diri untuk dilantik semula; 4.1 YBrs. Dr. Fazidah binti Abu Bakar (Rujuk nota keterangan 4)	Resolusi 3
5.	Untuk melantik Tetuan Atarek Kamil Ibrahim & Co (ATAREK) sebagai Juruaudit Kewangan Luar Syarikat bagi tahun kewangan berakhir 31 Disember 2023 dan memberi kuasa kepada Lembaga Pengarah bagi menetapkan imbuhan mereka. (Rujuk nota keterangan 5)	Resolusi 4
6.	Untuk melaksanakan urusan-urusan lain yang mana notis yang sewajarnya telah diberikan menurut Akta Syarikat 2016 dan Perlembagaan Syarikat.	

## MENURUT PERINTAH LEMBAGA PENGARAH



JAILANY BIN JAAFAR

LS0008843

SSM PC No. 201908002687

Setiausaha Syarikat

Selangor Darul Ehsan

Tarikh : 2 Jun 2023



## A) NOTA

1. Anggota Syarikat yang berhak untuk hadir dan mengundi di Mesyuarat Agung Tahunan ("AGM") adalah berhak untuk melantik proksi untuk hadir dan mengundi sebagai pengganti beliau. Seorang proksi tidak perlu menjadi anggota Syarikat. Tiada sekatan mengenai kelayakan proksi. Proksi yang dilantik untuk hadir dan mengundi pada AGM akan mempunyai hak yang sama seperti anggota Syarikat untuk bersuara di AGM.
2. Sebagai pengganti kepada pelantikan proksi, anggota korporat boleh melantik wakil korporatnya untuk menghadiri mesyuarat itu menurut Seksyen 333 Akta Syarikat 2016 ("Akta"). Untuk tujuan ini dan menurut Seksyen 333(5) Akta, anggota korporat hendaklah menyediakan perakuan/sijil di bawah meterai perbadanannya sebagai bukti prima facie mengenai pelantikan wakil korporat.
3. Suratcara pelantikan proksi bagi individu mestilah ditandatangani oleh pelantik atau wakil yang diberi kuasa sewajarnya secara bertulis atau, bagi sebuah perbadanan, suratcara pelantikan proksi atau proksi-proksi hendaklah di bawah meterai atau ditandatangani oleh pegawai atau wakil yang diberi kuasa sewajarnya.
4. Suratcara pelantikan proksi atau perakuan/sijil wakil korporat mestilah didepositkan di Pejabat Pendaftar CyberSecurity Malaysia, Level 7 Tower 1, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor, Malaysia tidak kurang daripada 48 jam sebelum masa yang ditetapkan untuk mengadakan AGM atau pada mana-mana penangguhannya.

## B) NOTA PENERANGAN

### 1. Penyata Kewangan Beraudit bagi tahun kewangan berakhir 31 Disember 2022

Perkara ini bertujuan untuk perbincangan sahaja. Peruntukan Seksyen 340(1) Akta Syarikat 2016 memerlukan Penyata Kewangan Beraudit dan Laporan Lembaga Pengarah dan Juruaudit mengenainya dibentangkan di AGM. Oleh itu, perkara ini bukanlah urusan yang memerlukan resolusi untuk diundi oleh ahli Syarikat. Penyata Kewangan Beraudit tersebut berserta Laporan Lembaga Pengarah dan Juruaudit dilampirkan sebagai LAMPIRAN 1.

### 2. Bayaran elaun bulanan

Bayaran elaun bulanan Pengerusi Bukan Eksekutif dan Pengarah Bukan Eksekutif berjumlah sehingga RM240,000 dan manfaat lain yang perlu dibayar kepada Pengerusi dan Pengarah Bukan Eksekutif di bawah perkara 2 ini adalah seperti yang dinyatakan dalam LAMPIRAN 2.

### 3. Pemilihan semula Pengarah yang akan bersara menurut Artikel 52

YBrs. Encik Shaifubahrim bin Mohd Saleh dan YBhg. Dato' Dr. Suhazimah binti Dzazali yang dilantik menjadi Pengarah pada AGM ke-15 yang lalu akan menamatkan perkhidmatan setelah berkhidmat untuk tempoh merangkumi dua (2) AGM menurut Artikel 52 Perlembagaan Syarikat dan beliau telah bersetuju untuk dilantik semula sebagai Pengarah Syarikat.

Biodata dilampirkan sebagai LAMPIRAN 3.

### 4. Pelantikan semula Pengarah yang akan bersara menurut Artikel 54

YBrs. Dr. Fazidah binti Abu Bakar yang dilantik oleh Lembaga Pengarah sebagai ahli Lembaga Pengarah baharu berkuatkuasa pada 12 April 2023 akan menamatkan perkhidmatan menurut Artikel 54 Perlembagaan Syarikat dan beliau telah bersetuju untuk dilantik semula sebagai Pengarah Syarikat.

Biodata dilampirkan sebagai LAMPIRAN 4.

### 5. Pelantikan Juruaudit Kewangan Luar

Lembaga Pengarah Syarikat di mesyuaratnya pada 29 Mei 2023 telah meluluskan untuk mengesyorkan pelantikan Tetuan Atarek Kamil Ibrahim & Co (ATAREK) sebagai juruaudit kewangan luar CyberSecurity Malaysia untuk kelulusan ahli-ahli Syarikat pada AGM yang akan datang.

# FORM OF PROXY



(COMPANY NO. 200601006881 (726630-U))

Saya/Kami.....(nama penuh dalam huruf besar)

No. Kad Pengenalan/No. Syarikat.....

beralamat di .....

.....sebagai

anggota CyberSecurity Malaysia, dengan ini melantik .....

.....(nama penuh dalam huruf besar)

No. Kad Pengenalan/No. Syarikat .....

beralamat di .....

.....

.atau jika tidak kehadiran beliau .....

.....(nama penuh dalam huruf besar)

No. Kad Pengenalan/No. Syarikat .....

beralamat di .....

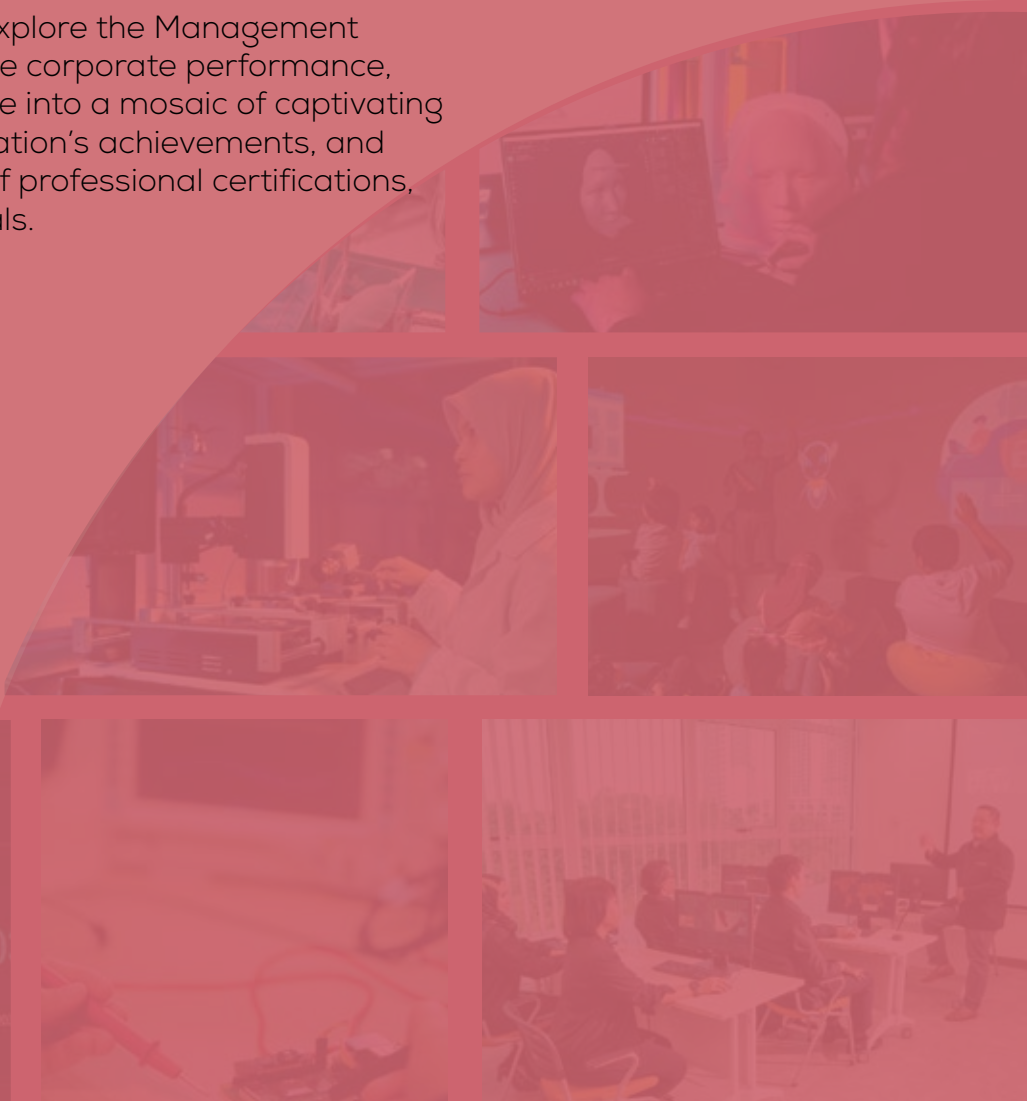
sebagai proksi saya/kami untuk mengundi bagi pihak saya/kami di Mesyuarat Agung Tahunan ke-17 CyberSecurity Malaysia yang akan berlangsung di Bilik Jati, Level 10 Tower 1, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor pada hari Isnin, 26 Jun 2022 jam 10.00 pagi atau pada sebarang penangguhan, seperti yang tertera di bawah :

.....

Tandatangan Anggota/Meterai

# OPERATION'S REVIEW

Welcome to the highlights of our operation's review, where we discover a year of excellence and innovation in one comprehensive snapshot. Explore the Management Committee's line-up, analyze corporate performance, unveil financial reports, delve into a mosaic of captivating activities, celebrate organization's achievements, and embark through the world of professional certifications, technical papers and journals.





## FOREWORD FROM THE CEO



**Based on industry estimations, almost two-thirds of companies say they have been a victim of a cyberattack in the past year. The economic impact of these attacks is significant, costing the global economy about US\$445 billion every year.**

**Dato' Ts. Dr. Haji Amirudin Bin Abdul Wahab FASc**  
Chief Executive Officer

2022 saw Malaysia emerging slowly from a restricted movement environment and flagging economy, brought about by one of the most severe global pandemic in modern times. It was a year that industry and commercial sectors opened up progressively, eventually easing towards an endemic phase. In tandem with the revival of economic activities and social interactions, cyber criminals mounted more sophisticated and damaging cyber-attacks.

Based on industry estimations, almost two-thirds of companies say they have been a victim of a cyberattack in the past year. The economic impact of these attacks is significant, costing the global economy about US\$445 billion every year. Responding to such massive resurgence in cyberthreats, CyberSecurity Malaysia ramped up its cyber security initiatives and capacity building programs.

To increase awareness on the importance of cyber security in schools, CyberSecurity Malaysia organised a forum *"Kita Siber - Dunia Digital Murid-Murid Sekolah Sehingga Kini"* in February 2022, in conjunction with Safer Internet Day (SID). Over 300 participants from institutions of higher learning, youth organizations and government agencies participated in this seminar officiated by the Minister of Communications and Multimedia (now Ministry of Communications and Digital). This national-level campaign was an effort to promote self-discipline and accountability among individuals and communities to form a digital community that is prosperous yet progressive in Keluarga Malaysia.

As part of SID 2022 initiatives, CyberSecurity Malaysia collaborated with cybersecurity agencies from Brunei Darussalam, Singapore and Indonesia in organizing **"Kita Siber Serumpun"** Webinar. This webinar enabled fellow ASEAN member countries to exchange information on cyber security advancements as well as discuss regional countries' approaches to addressing cyber threats.

To protect and strengthen Malaysia's National Critical Information Infrastructure (CNII), CyberSecurity Malaysia signed a Memorandum of Understanding (MoU) with Netherlands-based global provider of threat intelligence technology and services Eclectiq and home-grown cyber security company Syntx Sdn. Bhd. Through this MoU, CyberSecurity Malaysia developed Cyber Threat intelligence technical capabilities to address cyber threats in line with Malaysian Cyber Security Strategic Plan (MCSS).

Throughout the first half of 2022, CyberSecurity Malaysia continued to strengthen cooperation among government-linked organizations such as Pahang Skills Development Centre, Malaysian Road Safety Research Institute (MIROS), and Malaysian Broadcasting Department in various fields related to the development of cyber security professionals, forensic science vehicles, and the implementation of policies, procedures, and information security system management (ISMS), as well as personal information security system management (PIMS). These collaborations also served to promote competency training courses under the Global ACE Certification and CyberGURU programs.

On the capacity building front, CyberSecurity Malaysia initiated a **Cyber Security Empowerment Promotion Program Seminar (PGPKS)** in May 2022 for Small and Medium Enterprises (SMEs) to brief on the current cyber security landscape. Up to 30 SME from various industries gained knowledge to identify and assess business operations severity against cyber threats.

In June 2022, CyberSecurity Malaysia participated in the **National Protection Security Convention** to elevate its corporate profile and increase awareness on the positive, ethical and responsible use of technology, especially among civil servants. In the same month, CyberSecurity Malaysia held its annual 'Career Day Fair' to strengthen capacity and build a strong pipeline of cyber talent to keep up with the challenges of securing our cyberspace. The job fair attracted over 300 applicants. Our mission is to increase the number of experts in the field of cybersecurity and help create job opportunities for graduates.

Over third quarter of 2022, CyberSecurity Malaysia intensified our agency's awareness campaign initiatives by joining **Jelajah Aspirasi Keluarga Malaysia (JAKM)** program across the states of Perak, Selangor, Kelantan and Perlis. Through these roadshows, more Malaysians were acquainted with CyberSecurity Malaysia's mission and role in promoting cyber security resilience in our society.

In line with the second pillar of **Malaysia Cyber Security Strategy (MCSS) 2020-2024** to strengthen legislative framework and enforcement, CyberSecurity Malaysia conducted a series of training courses with the Judicial and Legal Training Institute (ILKAP), National Anti-Financial Crime Centre (NFCC), and Royal Malaysian Police. Besides

improving knowledge and skills on investigation techniques, these courses exposed participants to the prosecution of cybercrime cases in Malaysia. CyberSecurity Malaysia shared its expertise on Digital Evidence and Cryptocurrency Handling Procedures with law enforcement agencies.

On 19 August 2022, CyberSecurity Malaysia celebrated its most significant milestone – 25 years since its incorporation as Malaysia's premier cyber security agency. The Silver Jubilee celebration kicked off with Majlis Doa Selamat, Kesyukuran dan Tahlil, followed by a forum **"Warga Cemerlang, CyberSecurity Malaysia Terbilang"** that retraced our agency's illustrious journey. The Gala Dinner celebration paid tribute to past leaders and the entire agency organization for building up CyberSecurity Malaysia to where we are today.

In October 2022, CyberSecurity Malaysia hosted its 13th edition of **Cyber Security Malaysia: Awards, Conference, and Exhibition (CSM-ACE)** which attracted many participants and exhibitors. The preliminary rounds and grand finals of the National ICT Security Discourse Competition (NICTSeD 2022) for secondary students were also held in collaboration with Ministry of Education Malaysia (MoE) through the Educational Resources and Technology Division (BSTP) and the Ministry of Communications and Multimedia.

To foster public-private-industry collaboration among stakeholders of our cybersecurity ecosystem, CyberSecurity Malaysia initiated **CyberSecurity Malaysia Collaboration Program (CCP)** - People Fundamental in Cybersecurity Vision in December 2022. Through the implementation of this program, CyberSecurity Malaysia facilitated more industry experts to discuss latest threat trends and enhanced understanding and awareness of cybersecurity.

Keeping in mind that Malaysia requires over 20,000 cybersecurity knowledge personnel by the end of 2025, CyberSecurity Malaysia endeavors to deliver more capacity building and professional courses that are essential for cyber security resilience.

Looking ahead to 2023, CyberSecurity Malaysia will continue to adopt holistic, adaptive, dynamic and innovative approaches to cybersecurity that encompasses people, processes and technologies. We must also nurture more Public-Private-Partnerships as well as national, bilateral, regional and international collaborations.

At this point, I would like to register my heartiest gratitude and appreciation to the entire CyberSecurity Malaysia team for their unwavering commitment, contribution and hard work in 2022. Cyber criminals have become bolder, highly skilled, innovative and sophisticated. As always, CyberSecurity Malaysia needs to stay one step ahead and we cannot afford to be left behind.

Guided by the strategic thrusts and vision of **SiberKASA** and **MCSS**, I am confident CyberSecurity Malaysia will continue to develop a safer and more resilient cyber ecosystem that enhance national security, economic prosperity and social harmony in near future.

## THE MANAGEMENT COMMITTEE



**Dato' Ts. Dr. Haji Amirudin  
Bin Abdul Wahab FASc**  
Chief Executive Officer (CEO)



**Roshdi Bin Hj Ahmad**  
Chief Operating Officer (COO)



**Ts. Dr. Solahuddin Bin  
Shamsuddin**  
Chief Technology Officer (CTO)



**Dr. Maslina Binti Daud**  
Senior Vice President,  
Cyber Security Proactive Services  
Division



**Ts. Mohd Shamir Bin  
Hashim**  
Senior Vice President,  
International & Government  
Engagement Division



**Lt Col Mustaffa bin Ahmad  
(Retired) C/CISO psc**  
Senior Vice President,  
Outreach and Capacity Building  
Division



**Jailany Bin Jaafar**  
Head, Legal & Secretarial/  
Company  
Secretary



**Azman Bin Ismail**  
Vice President,  
Corporate Services Division



**Ts. Mohd Zabri Adil Bin Talib**  
Acting Vice President,  
Cyber Security Responsive Services  
Division



# REVIEW OF CORPORATE PERFORMANCE

There are 2 CyberSecurity Malaysia KPIs contributed to Ministry of Communications and Multimedia (KKD)

Deputy Secretary General Key Performance Indicator (TELECOMMUNICATION INFRASTRUCTURE AND DIGITAL ECONOMY)

ITEM	TARGET	ACHIEVEMENT	% ACHIEVED
<b>1</b> Ensuring the Organization Undergoes Cyber Security Assessment / Certification According to Set Standards	33	42	116.67

OUTCOME BASED BUDGETING (OBB) (PROGRAM PERFORMANCE MANAGEMENT FRAMEWORK- PPMF)

ITEM	TARGET	ACHIEVEMENT	% ACHIEVED
<b>1</b> Percentage of incident/complaint resolution	90	93.53	100

# How We Performed Based on Corporate Key Performance Indicators (2022 KPI)

The following table details the 2022 KPI – the indicators, and our performance in relations to the targets.

KPI	Target	Achievement	%
<b>Collaborators In Driving the National Agenda</b>			
1. # Trained knowledge workers	1,200	1,229	100
2. # Peoples reach out in Digital Economy community on Cyber Security Awareness Talk	22,000	23,869	108.50
3. # Visibility of program through events/programs	33	34	103.03
4. # National and / or international recognition and awards	1	2	200
5. # Strategic paper received by stakeholders/ customers	1	1	100
<b>Deliver Quality and Impactful Services</b>			
6. % Customer satisfaction Level	88	93.8	106.60
7. % Corporate website accessible	100	100	100
8. # Testing, accreditation, and certification	36	42	116.67
9. # Companies benefited from Cyber Security Industry Collaboration Program	4	4	100
<b>Financial Sustainability</b>			
10. \$ Net Profit before tax	300,000	743,267	247.76
<b>Integrated Development and Delivery</b>			
11. % Digital Forensic Case Completed at CSM's end	90	90.4	100.42
12. % Cyber Incident Case Completed at CSM's end	90	93.8	104.08
13. % ISMS Compliance	90	98.8	109.81
14. # New products / services / applications developed or upgraded	4	4	100
<b>Technical Excellence and Capacity Enhancement</b>			
15. % Employee Engagement Satisfaction Level	78	81	103.85
16. % Staff aware on integrity Program	80	98.7	123.38
17. # Articles published in domain of cybersecurity	50	54	108.00

Corporate KPI Achievement as for the Year 2022 is: **119.68%**

# 2022 CALENDAR OF ACTIVITIES

In the past year, CyberSecurity Malaysia engaged in various activities to enhance cybersecurity measures and raise awareness. By undertaking these activities, we have achieved significant milestones, strengthened our position as Malaysia's national cybersecurity specialist agency, and enhanced stakeholder value.

## 25 January 2022

**MEMORANDUM OF UNDERSTANDING CEREMONY SIGNING BETWEEN CYBERSECURITY MALAYSIA, ECLECTIQ AND SYNTAX SDN. BHD.**



## 25 January 2022

**VISIT BY SABAH STATE AGENCY TO CYBERSECURITY MALAYSIA**



## 1 February 2022

**APPOINTMENT OF ENCIK ROSHDI BIN AHMAD AS NEW CHIEF OPERATING OFFICER, CYBERSECURITY MALAYSIA**



## 11 February 2022

**CYBER SECURITY CONFERENCE, ALBUKHARY INTERNATIONAL UNIVERSITY, ALOR SETAR, KEDAH**



15 February 2022

VISIT BY "DEWAN  
PERNIAGAAN MELAYU  
MALAYSIA"(DPMM),  
CYBERJAYA



17 February 2022

MEMORANDUM OF UNDERSTANDING  
SIGNING CEREMONY BETWEEN  
CYBERSECURITY MALAYSIA AND  
UNIVERSITY COLLEGE TATI (UC TATI),  
KEMAMAN, TERENGGANU



25 February 2022

CYBERSEC OPSASIA VIRTUAL CONFERENCE 2022



22 February 2022

FORUM "KITA SIBER - DUNIA DIGITAL MURID-MURID  
SEKOLAH SEHINGGA KINI", SAFER INTERNET DAY 2022 –  
MALAYSIA EDITION LAUNCHING CEREMONY, PUTRAJAYA

14 - 16 March 2022

WORLD POLICE SUMMIT DUBAI, UNITED ARAB EMIRATES



17 March 2022

INTERPOL YOUNG GLOBAL POLICE  
LEADERS PROGRAMME DUBAI, UNITED  
ARAB EMIRATES



**17 March 2022**

**KITA SIBER SERUMPUN: 'KETERBUKAAN DUNIA SIBER, TIADA LAGI RAHSIA' WEBINAR, CYBERJAYA**



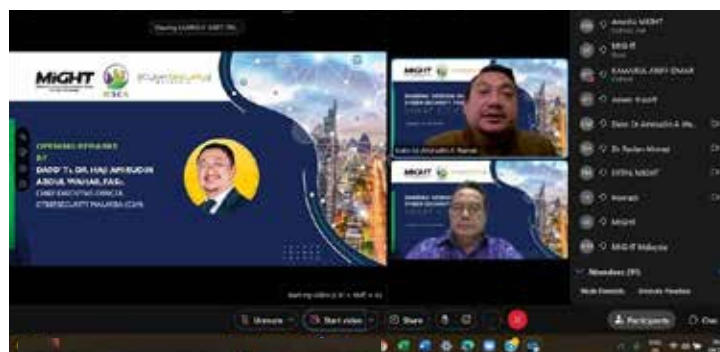
**21 - 23 March 2022**

**GULF INFORMATION SECURITY EXPO & CONFERENCE (GISEC) 2022 DUBAI, UNITED ARAB EMIRATES**



**25 March 2022**

**CYBER SECURITY INDUSTRY DIALOGUE, KUALA LUMPUR**



**23 March 2022**

**CYBER-SECURITY FOR SMART CITY WEBINAR, CYBERJAYA**



**28 - 30 March 2022**

**CYBERSECURITY INNOVATION SERIES (CSIS) CONFERENCE, EGYPT EDITION CAIRO, EGYPT**

**24 April 2022**

**KEMBARA AMAL CYBERSAFE™ BERSAMA ANAK-ANAK YATIM BAIT AL AMIN, IPOH, PERAK DARUL RIDZUAN**





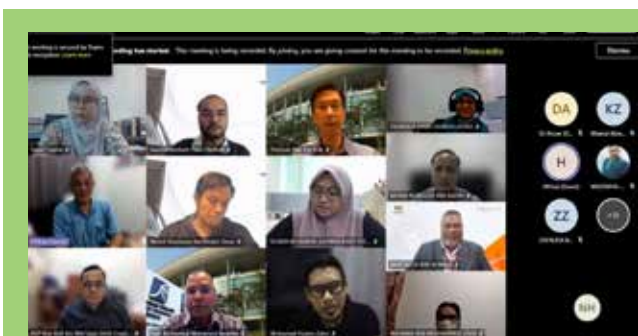
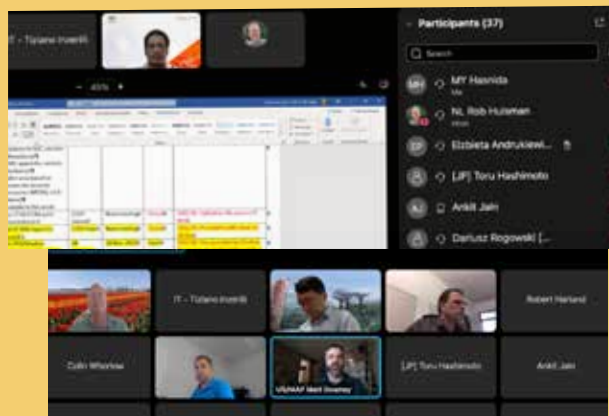


**12 - 16 May 2022**

**MALAYSIAN TEACHERS FESTIVAL - UNIVERSITY OF MALAYSIA KELANTAN (UMK) BACHOK, KELANTAN**

**17 - 19 May 2022**

**COMMON CRITERIA RECOGNITION DEVELOPMENT BOARD MEETING - Q2/2022 CYBER AXIS TOWER, CYBERJAYA**



**18 May 2022**

**"KSA DESCRIPTOR REVIEW" WORKSHOP CYBER AXIS TOWER, CYBERJAYALUMPUR**

**19 May 2022**

**LAUNCHING OF ORGANISATIONAL ANTI-CORRUPTION PLAN (OACP) CYBERSECURITY MALAYSIA 2022 CYBERJAYA, SELANGOR**



**20 - 22 May 2022**

**JELAJAH ASPIRASI KELUARGA MALAYSIA, SABAH INTERNATIONAL CONVENTION CENTRE, KOTA KINABALU, SABAH**

**23 May 2022**

**RTM DIRECTOR GENERAL'S VISIT TO CYBERSECURITY MALAYSIA, CYBERJAYA, SELANGOR**





**24 May 2022**

**MEMORANDUM OF COOPERATION (MOC) SIGNING BETWEEN CYBERSECURITY MALAYSIA AND MALAYSIAN ROAD SAFETY RESEARCH INSTITUTE (MIROS) AYER KEROH, MELAKA**



**25 May 2022**

**CYBER SECURITY EMPOWERMENT PROGRAM (PGPKS) FOR SMALL AND MEDIUM-SIZED ENTERPRISES (SMEs) MENARA CYBER AXIS, CYBERJAYA**

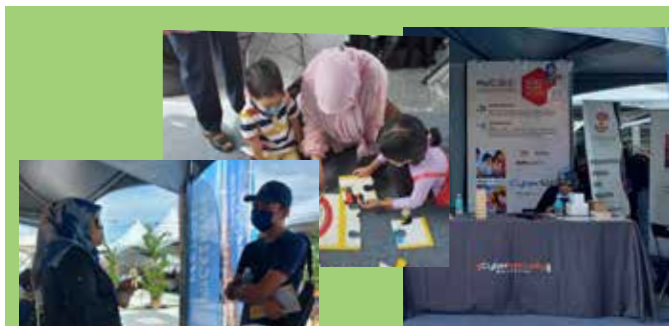


**27 May 2022**

**VISIT BY YB DATUK SERI RINA MOHD HARUN & DELEGATION OF THE MINISTRY OF WOMEN, FAMILY AND COMMUNITY DEVELOPMENT (KPWKM) TO CYBERSECURITY MALAYSIA CYBER AXIS TOWER, CYBERJAYA**

**2 - 4 June 2022**

**JELAJAH ASPIRASI KELUARGA MALAYSIA NEGERI TERENGGANU GONG BADAK, KUALA TERENGGANU**



**3 - 5 June 2022**

**RIUH BAH PROGRAM! WITH HOTLINK, KOTA KINABALU, SABAH**

**3 - 12 June 2022**

**CRYPTOCURRENCY INVESTIGATION AND FORENSICS ON JOB ATTACHMENT, CANBERRA AND MELBOURNE, AUSTRALIA**







**7 June 2022**

**MEMORANDUM OF UNDERSTANDING (MOU) SIGNING CEREMONY BETWEEN CYBERSECURITY MALAYSIA, PAHANG SKILLS DEVELOPMENT CENTER (PAHANG SKILLS) AND SOLARIS SYMPHONY SDN BHD (SOLARIS), CYBERJAYA, SELANGOR**



**6 - 16 June 2022**

**PESTA BUKU ANTARABANGSA KUALA LUMPUR, WORLD TRADE CENTRE KUALA LUMPUR**



**9 June 2022**

**EXHIBITION IN CONJUNCTION WITH THE 2022 NATIONAL PROTECTION SECURITY CONVENTION, PUTRAJAYA**

**17 June 2022**

**NICTSED 2022 SOFT LAUNCH CYBERJAYA, SELANGOR**



**24 - 25 June 2022**

**CYBERSECURITY MALAYSIA CAREER DAY 2022, CYBERJAYA, SELANGOR**

**1 July 2022**

**WEBINAR CYBERSECURITY & ETHICS, UNIVERSITI TEKNOLOGI MARA, JENKA**





**1 - 3 July 2022**

**JELAJAH ASPIRASI  
KELUARGA MALAYSIA  
NEGERI PERAK, LITAR  
DATO' SAGOR, PASIR  
SALAK, PERAK**



**5 July 2022**

**EXAMINATION AND ANALYSIS OF  
ELECTRONIC EVIDENCE ONLINE TRAINING,  
BANGI, SELANGOR**

**22 - 24 July 2022**

**JELAJAH ASPIRASI KELUARGA MALAYSIA NEGERI  
KELANTAN, PEKARANGAN STADIUM SULTAN  
MUHAMMAD IV, KOTA BHARU, KELANTAN**



**25 July 2022**

**CYBER CRIME SECURITY AWARENESS FORUM,  
KOTA KINABALU, SABAH**



**3 August 2022**

**CYBER CRIME  
PROSECUTION  
COURSE, CYBERJAYA,  
SELANGOR**



**6 - 8 August 2022**

**RIUH MELAKA, DATARAN PAHLAWAN, MELAKA**





9 August 2022

SIGNING CEREMONY BETWEEN CYBERSECURITY MALAYSIA AND JABATAN PENYIARAN MALAYSIA, ANGKASPURI, KUALA LUMPUR



12 - 13 August 2022

KARNIVAL MERDEKA KELUARGA MALAYSIA @ PADANG BESAR, KAMPUS UNICITI ALAM, SG. CHUCHUH, UNIVERSITI MALAYSIA PERLIS (UNIMAP), PADANG BESAR, PERLIS



19 - 21 August 2022

JELAJAH ASPIRASI KELUARAGA MALAYSIA NEGERI SELANGOR, STADIUM SHAH ALAM, SELANGOR



19 August 2022

CYBERSECURITY MALAYSIA 25 YEAR SILVER JUBILEE CELEBRATION OF CYBERSECURITY MALAYSIA, MENARA CYBER AXIS, CYBERJAYA, SELANGOR

25 August 2022

CRYPTOCURRENCY SEIZURE WORKSHOP, MENARA SERI WILAYAH PUTRAJAYA, PUTRAJAYA



25 August 2022

DIGITAL EVIDENCE AND CRYPTOCURRENCY HANDLING PROCEDURES TRAINING







**11 September 2022**

**SPECIAL INDUSTRY AWARD PRESENTATION IN CONJUNCTION WITH THE 10TH POLITEKNIK MERSING CONVOCATION, MERSING, JOHOR**

**13 September 2022**

**MEMORANDUM OF UNDERSTANDING CEREMONY SIGNING BETWEEN CYBERSECURITY MALAYSIA AND MX GLOBAL SDN BHD, CYBERJAYA, SELANGOR.**

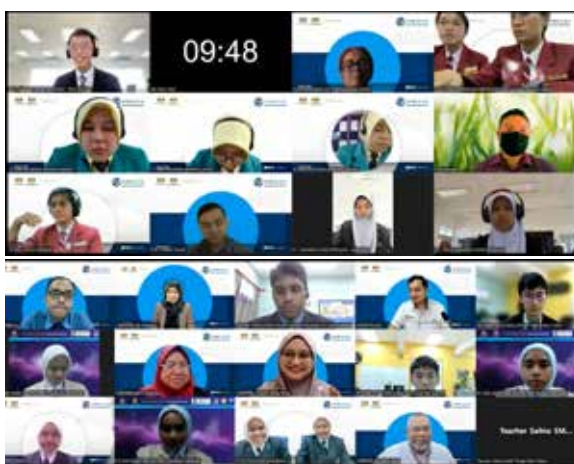


**15 - 16 September 2022**

**"THE 4TH CYBERSECURITY INNOVATION SUMMIT 2022", TUNISIA**

**16 - 18 September 2022**

**RIUH SOKMO! STADIUM MINI MAJLIS DAERAH KETEREH, KELANTAN**



**5 - 7 October 2022**

**NATIONAL ICT SECURITY DISCOURSE (NICTSeD) 2022 - VIRTUAL DISCOURSE, MENARA CYBER AXIS, CYBERJAYA**

**19 October 2022**

**GRAND FINAL OF NATIONAL ICT SECURITY DISCOURSE – CYBERSAFE™ CHALLENGE TROPHY (NICTSED)2021, MENARA CYBER AXIS, CYBERJAYA**





**17 - 22 October 2022**

**CYBERSECURITY MALAYSIA – AWARDS, CONFERENCE & EXHIBITION (CSM-ACE) 2022, MENARA CYBER AXIS, CYBERJAYA**



**3 November 2022**

**CYBER CRIME AWARENESS PROGRAM SERIES 3, BORNEO ROYALE HOTEL, TAWAU, SABAH**

**6 December 2022**

**CYBERSECURITY MALAYSIA COLLABORATION PROGRAM (CCP) – “PEOPLE FUNDAMENTAL IN CYBERSECURITY VISION”, MENARA CYBER AXIS, CYBERJAYA**



**22 - 24 November 2022**

**BANK NEGARA MALAYSIA CYBER SECURITY AWARENESS PROGRAM, KUALA LUMPUR**



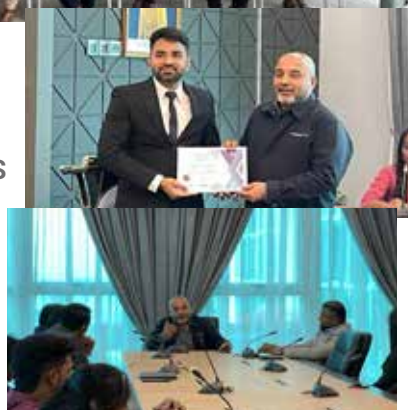
**16 - 18 December 2022**

**RIUH @WILAYAH, BUKIT KIARA, KUALA LUMPUR**



**14 December 2022**

**CERTIFICATION CEREMONY OF “SECURITY OPERATIONS CENTRE FOR SERVICE DESK TRAINING PROGRAMME”, MENARA CYBER AXIS, CYBERJAYA**





# ACHIEVEMENTS & AWARDS 2022

Introducing our Glittering Gems of Excellence; As we stand tall among the greatest achievers, we forge ahead, fueled by our incredible accomplishments, and set for even greater milestones on the horizon.



## 22-24 June 2022

Best Paper Award by the 5th IEEE Conference on Dependable and Security Computing. Paper title: "How national CSIRTs operate: Personal observation and opinions from MyCERT."

## 28 June 2022

Chief Executive Officer of CyberSecurity Malaysia, Dato' Ts Dr. Haji Amirudin bin Abdul Wahab FASc, received 2022 World Digital Economy Distinguished Leader Award at the World Digital Economy & Technology Summit.

## 18 October 2022

CyberSecurity Malaysia was appointed as the Chair of the Asia Pacific Cert (APCERT) for the year 2022 - 2023.

## 22 October 2022

Chief Executive Officer of CyberSecurity Malaysia, Dato' Ts Dr. Haji Amirudin bin Abdul Wahab FASc, was appointed as the Blockchain Icon for the year 2022 at the Blocktech Forum 2022.

# PROFESSIONAL CERTIFICATION

CyberSecurity Malaysia's annual report proudly displays a constellation of employees adorned with a variety of prized professional certifications, showing their dedication to excellence and competence.

No	Name	Department	Certification
1	MOHD HALEEM BIN ABDUL SIDEK	ISCB	CQI AND IRCA CERTIFIED ISO/IEC 27001:2013 LEAD AUDITOR
2	IKMAL HALIM BIN JAHAYA	ISCB	CQI AND IRCA CERTIFIED ISO/IEC 27001:2013 LEAD AUDITOR
3	DANIA SYAHIRAH BINTI ZAKRY	MYVAC	CERTIFIED COMPTIA PENTEST+
4	NUR FARIDAH BINTI MOHD ZAINUDIN	FINANCE	CERTIFIED INFORMATION SECURITY AWARENESS MANAGER (CISAM)
5	HAZLIN ABDUL RANI	CD	CRYPTOGRAPHIC VALIDATION PROGRAM (CVP) CERTIFIED
6	NIK AZURA NIK ABDULLAH	CD	CRYPTOGRAPHIC VALIDATION PROGRAM (CVP) CERTIFIED
7	NORUL HIDAYAH LOT	CD	CRYPTOGRAPHIC VALIDATION PROGRAM (CVP) CERTIFIED
8	LIYANA CHEW NIZAM CHEW MUSA	CD	CRYPTOGRAPHIC VALIDATION PROGRAM (CVP) CERTIFIED
9	HASNIDA ZAINUDDIN	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
10	NOOR AIDA IDRIS	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
11	IKMAL HALIM BIN JAHAYA	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
12	MOHD RIZAL BIN ABU BAKAR	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
13	MARINAH SYAZWANI MOKHTAR	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
14	MOHD HALEEM BIN ABDUL SIDEK	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
15	RAZANA MD SALLEH	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
16	NAHZATULSHIMA ZAINUDDIN	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
17	ADLIL AMMAL MOHD KHARUL APENDI	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
18	NURUL HUSNA KHASIM	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
19	AMIROUL FARHAN ROSLAINI	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
20	OM NASHILA BINTI RAMLI	ISCB	CERTIFIED ISO/IEC 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
21	NAQLIYAH ZAINUDDIN	ISMA	IBITGQ CERTIFIED ISO 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR

22	MAYASARAH MASLIZAN	ISMA	IBITGQ CERTIFIED ISO 27701 PERSONAL INFORMATION MANAGEMENT SYSTEMS LEAD AUDITOR
23	FARHAN ARIF MOHAMAD	MYSEF	CERTIFIED PENETRATION TESTING ENGINEER (CPTE)
24	NURUL HUSNA MOHAMAD NOR HAZALIN	DF	SIRIM LEAD ASSESSOR ISO/IEC 17025:2017 LABORATORY QMS
25	HAMIDUN KATEMIN	SM	CERTIFIED INTEGRITY OFFICER (CeIO)
26	MOHAMMAD ASYRAN FITRI DUNYA	MYSEF	CERTIFIED PENETRATION TESTING ENGINEER (CPTE)
27	SABARIAH AHMAD	ISMA	ASSOCIATE RISK MANAGEMENT PROFESSIONAL (ARMP)
28	IDA RAJEMEE RAMLEE	ISMA	ASSOCIATE RISK MANAGEMENT PROFESSIONAL (ARMP)
29	MOHAMAD QAYYUM BIN BUKHARI	MD	CERTIFIED PENETRATION TESTER (CPT)
30	MUHAMMAD IKHWAN BIN MOHAMMAD FAISAL	CSIEC	CERTIFIED PENETRATION TESTER (CPT)
31	ALIYA FARHANA MOHD NASRAN	ISCB	CERTIFIED ETHICAL HACKER (CEH)
32	NOOR ASYIKIN ZUKKIFLI	MYSEF	SIRIM LEAD ASSESSOR ISO/IEC 17025:2017 LABORATORY QMS



# TECHNICAL PAPERS AND JOURNALS

You are now diving into the depths of CyberSecurity Malaysia's knowledge collection as we reveal a treasure trove of insights, equipping you with the most recent breakthroughs and vital research that helps widens your understanding and boosts your skills.

No	Paper Title	Journal/ Conference Proceeding	Country	Date
1	Mitigating Malware Threats at Small Medium Enterprise (SME) Organisation: A Review and Framework	6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE)	Malaysia	February 2022
2	RENTAKA: A Novel Machine Learning Framework for Crypto-Ransomware Pre-Encryption Detection	International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 13 No 5	Malaysia	May 2022
3	A Proposal in Having a Cyber Resilience Strategy for The Critical National Information Infrastructure Sectors in Malaysia	OIC-CERT Journal of Cyber Security	Malaysia	April 2022
4	Incident Response Practices Across National CSIRTs: Results from an Online Survey	OIC-CERT Journal of Cyber Security	Malaysia	April 2022
5	A Theoretical Comparative Analysis of DNA Techniques Used in DNA-Based Cryptography	Journal of Sustainability Science and Management	Malaysia	May 2022
6	SPA on Modular Multiplication in Rabin-p KEM	Proceeding of the 8th International Cryptology and Information Security Conference (CRYPTOLOGY2022)	Malaysia	July 2022
7	Randomness Testing on Strict Key Avalanche Data Category on Confusion Properties of 3D-AES Block Cipher Cryptography Algorithm	Future of Information and Communication Conference (FICC) 2023	San Francisco, United States	
8	How National CSIRTs Operate: Personal Observations and Opinions from MyCERT	2022 IEEE Conference on Dependable and Secure Computing (DSC)	United Kingdom	Sept 2022
9	GSMA 5G CyberSecurity Knowledgebase & Nesas Whitepaper	Mobile 360 Asia Pacific 2022 by GSMA Asia Pacific – The Future of Trust in the Network	Malaysia	November 2022
10	Analysis of Permutation Functions for Lightweight Block Cipher Design	8th International Cryptology and Information Security Conference 2022 (CRYPTOLOGY2022)	Malaysia	July 2022
11	An Analysis Of A National Professional Development Program	EDULEARN22 International Education Conference 14th Annual International Conference on Education and New Learning Technologies	Spain	July 2022
12	LAO-3D: A Symmetric Lightweight Block Cipher Based on 3D Permutation for Mobile Encryption Application	Symmetry	Switzerland	September 2022

13	Statistical Analysis of 3D RECTANGLE Encryption Algorithm	International Conference on Science, Technology, Engineering and Management (ICSTEM)	South Korea	December 2022
14	Crypto-Ransomware Early Detection Framework Using Machine Learning Approach	International Journal of Technology Management and Information System	Malaysia	December 2022
15	How National CSIRTS Leverage Public Data, OSINT and Free Tools in Operational Practices: An Empirical Study.	Cyber Security: A Peer-Reviewed Journal	United Kingdom	December 2022

# EDITORIAL COMMITTEE

## SENIOR EDITORIAL TEAM



Lt. Col. Mustafa Ahmad (Retired)



Roshdi Hj Ahmad



Mohd Shamil Mohd Yusoff

## CONTENT CONTRIBUTOR



Sharifah Sajidah  
Syed Noor Mohammad



Yuzida Md Yazid



Azlin Samsudin



Norhuzaimi Mohamed



Ernieza Ismail



Alifa Ilyana Chong Abdullah



Azrina Md Saad

## DIGITAL TEAM



Zul Akmal Abd Manan



Nurul 'Ain Zakariah



Zaihasrul Ariffin



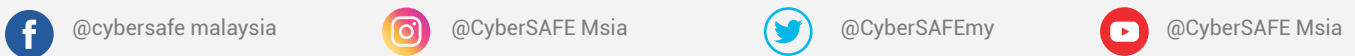
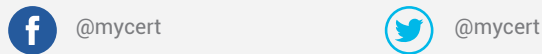
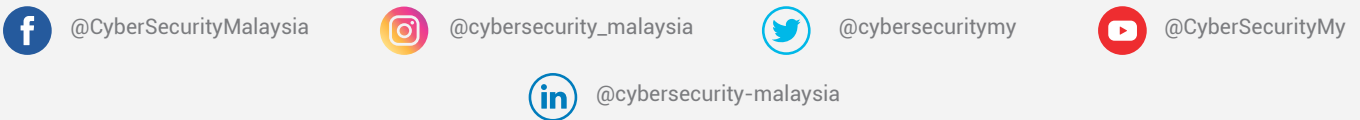
Farhana Natasha Mazlan



Nurrul Syafina Md Yahaya



## SOCIAL MEDIA



*Corporate Office:*

**CyberSecurity Malaysia**

Level 7, Tower 1, Menara Cyber Axis,  
Jalan Impact, 63000 Cyberjaya,  
Selangor Darul Ehsan,  
Malaysia.

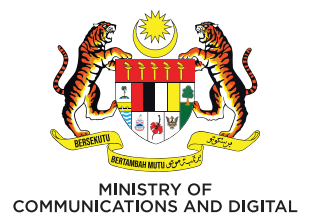
Tel: +603 - 8800 7999

Fax: +603 - 8008 7000

Email: [info@cybersecurity.my](mailto:info@cybersecurity.my)

Customer Service Hotline: 1 300 88 2999

**[www.cybersecurity.my](http://www.cybersecurity.my)**



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