

Training + Information Sharing: Pillars of enhancing cybersecurity posture



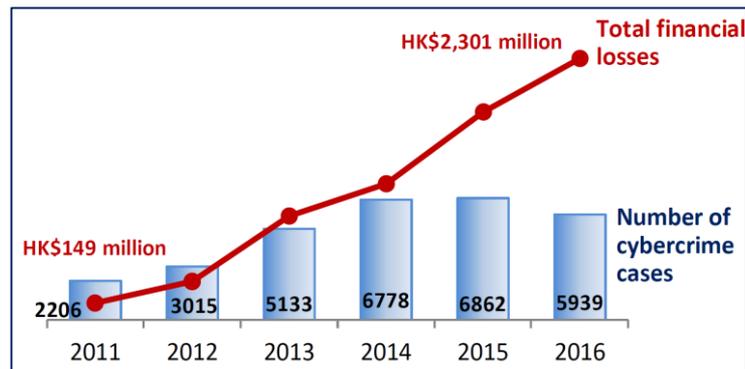
Welland Chu

VP, Professional Development & Secretary
ISACA China Hong Kong Chapter

June 2018



Reported cyber incidents in Hong Kong



HK\$387,400 per case

Losses > HK\$2.3B, growth at 25%

Sources: hkpc.org, legco.gov.hk 2017, Telstra.com 2017, scmp.com

Cybersecurity defense needs collaboration

2018-05: Europol signed two memorandums of understanding related to cybersecurity cooperation

- World Economic Forum (WEF)
- European Union Agency for Network and Information Security (ENISA), the European Defence Agency (EDA), and the EU's Computer Emergency Response Team (CERT-EU)

Focus

- Cyber exercises, Education and training,
- Exchange of information
- Strategic and administrative matters
- Technical cooperation



US Department of Homeland Security Cybersecurity Strategy

https://www.dhs.gov/sites/default/files/publications/DHS-Cybersecurity-Strategy_1.pdf



Risk Identification

Vulnerability Reduction

Threat Reduction

Consequence Mitigation

Enable Cybersecurity Outcomes

222

“Cybersecurity”

30

“Risk management”

28

“Information sharing”

25

“Strategy”

How many mentions?

APT

+ Anti-Virus

+ Firewall

+ DLP

+ Multifactor Authentication

0

HKMA's Cybersecurity Fortification Initiative (CFI) & OGCIO

Hong Kong Monetary Authority

Cybersecurity Fortification Initiative

- Cyber Resilience Assessment Framework
- Professional Development Programme
- Cyber Intelligence Sharing Platform

Hong Kong Monetary Authority

Cyber Resilience Assessment Framework

ISACA's 5 certificates have been recognised as the pre-requisite qualifications of Assessor and Enhanced Competency Framework by HKMA

- ISACA's Certified Information Systems Auditor (CISA);
- (ISC)2's Certified Information Systems Security Professional (CISSP);
- ISACA's Certified Information Security Manager (CISM);
- ISACA's Certified in Risk and Information Systems Control (CRISC);
- ISACA Certified in the Governance of Enterprise IT (CGEIT)
- ISACA's Cybersecurity Fundamentals Certificate (CSX-F) and Cybersecurity Nexus Practitioner certification (CSX-P); or
- China Information Technology Security Evaluation Centre's Certified Information Security Professional - Hong Kong (CISP - HK).

資訊保安認知及教育(政府內部)

保安解決方案展示會 (4個)



提供最新的保安技術和解決方案

專題研討會 (8個)



讓員工充分了解自己的職務和職責，更新網絡保安的知識

進階培訓和複修課程 (60項)



增進資訊科技專業人員的資訊保安知識及技能



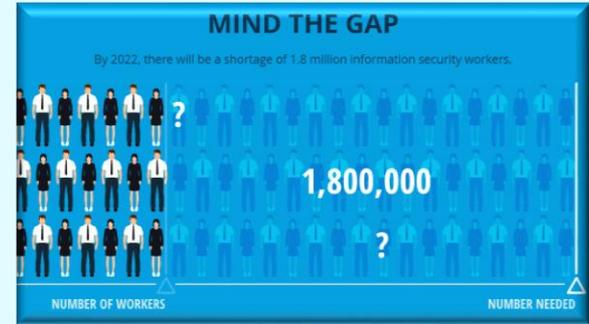
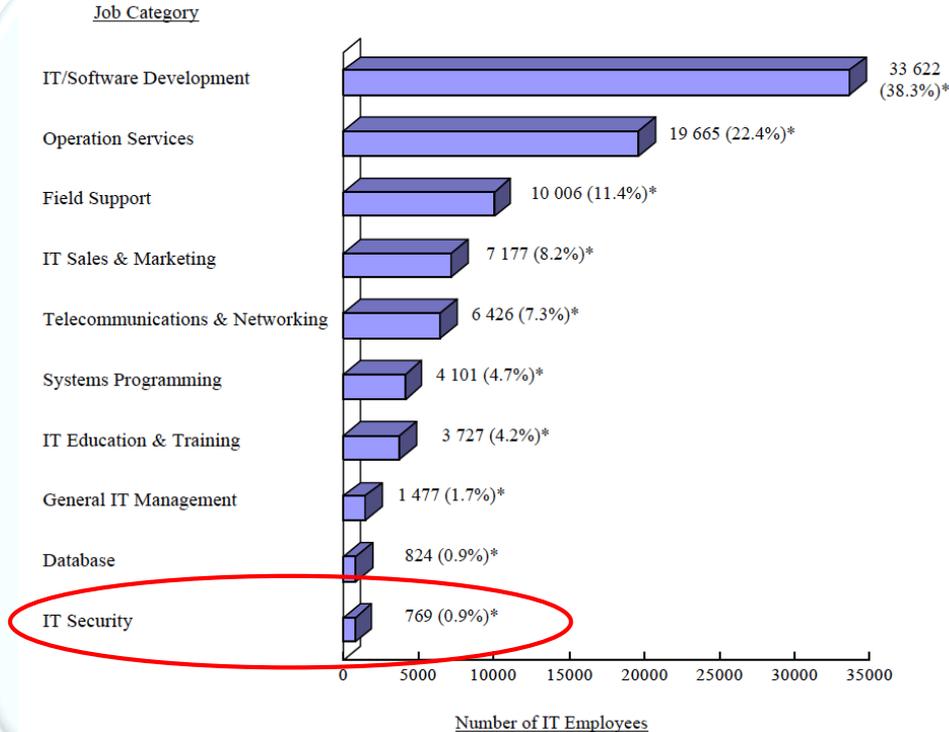
國際認可的資訊安全專業證書 (230張)



- ✓ 資訊系統安全師專業認證(CISSP)
- ✓ 電腦稽核師專業認證(CISA)

Certification:
CISSP, CISA

Major challenge: Skill shortage



- By 2022, there will be a shortage of 1.8 million information security workers
- >50% of respondents say filling open positions takes at least three months
- More than 7 in 10 respondents say their organizations are seeking strong technical skills

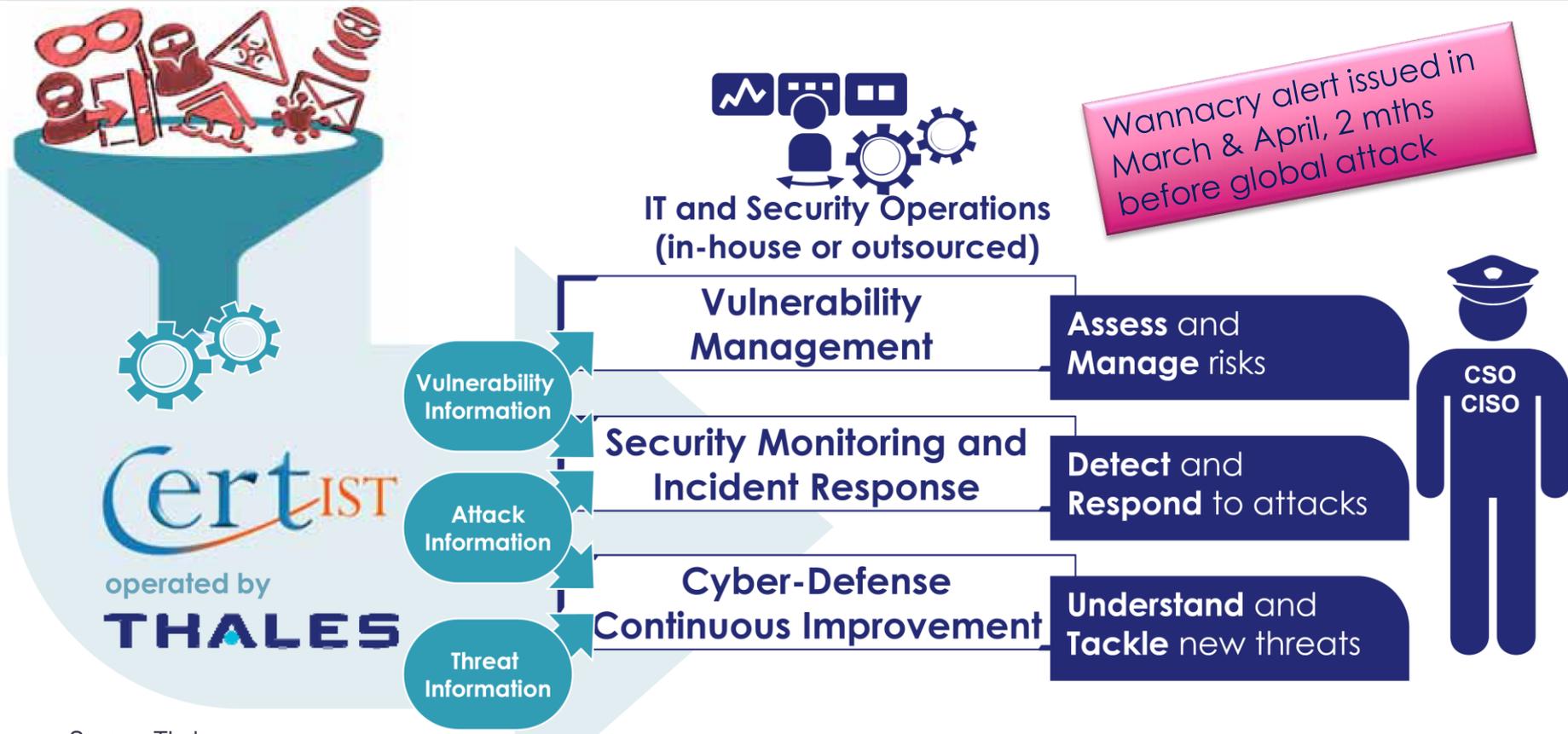
Source: OGCIO 2016, ISACA.org

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OPEN

How does Public-Private-Partnership help?

Anticipate



Source: Thalesgroup.com

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OPEN

>45 years

180+ countries

135,000+ members worldwide

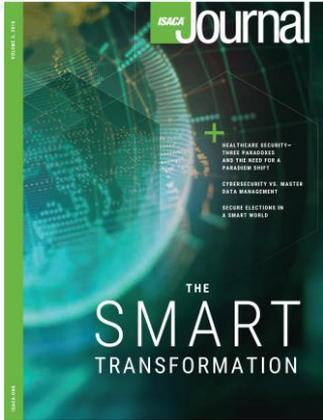
2,800 volunteers



About Welland

- Secretary, VP Professional Development at the China Hong Kong Chapter of ISACA
- 24 years experience in information security
- Business Development Director at Thales eSecurity

Wealth of resource and assets on cyber security and topical subjects



CMMI Institute Resource Center

[FULL HOUSE] CPD Seminar on Thursday, 28 June 2018

Topic: 10 Essential Cyber Security Facts that You Need to Know (Conducted in English)

<https://www.isaca.org/Journal/Current-Issue/Pages/default.aspx>

<https://www.isaca.org.hk/web/about-us/isaca-china-hk-chapter/>

http://www.isaca.org/cyber/Documents/CSX-General-Awareness-Brochure_Bro_Eng_0816.pdf

<https://cmmiinstitute.com/products/cybermaturity/cmmi-framework>

ISACA PRIVACY SURVEY

Keeping a Lock on Privacy: Quiz—How Secure Is Your Enterprise?

ISACA's recent survey of 15,000 members and others with privacy-related job titles revealed eye-opening results about the current state of privacy governance practices, structures and attitudes. Now it's time to find out how your enterprise stacks up. Take the quiz and add up your privacy score today!

1 In your organization, do you address privacy through the use of documented privacy policies, procedures, standards, etc.?
a. The use of privacy policies, procedures and standards is mandated and monitored by management.
b. The use of privacy policies, procedures and standards is recommended but not fully deployed.
c. The organization does not have any privacy policies, procedures or standards.

2 Does your organization have a privacy officer or accountability officer?
a. Yes, a dedicated privacy officer or accountability officer is in place.
b. A privacy officer or accountability officer is shared with another department.
c. No, there is no dedicated privacy officer or accountability officer.

5 Does your organization provide privacy awareness training?
a. Privacy training is provided to all employees on a regular and consistent basis.
b. Privacy training is provided to all employees, but not on a regular or consistent basis.
c. Privacy training is not provided to all employees.

GDPR DATA PROTECTION IMPACT ASSESSMENTS

Adopting GDPR Using COBIT® 5

ISACA

COBIT® 5

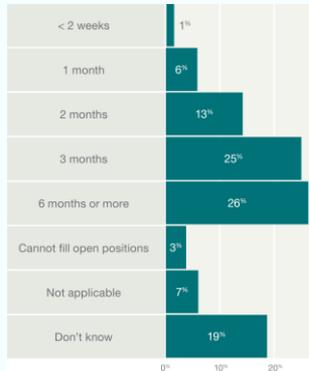
<http://www.isaca.org/Knowledge-Center/Research/ResearchDeliverables/Pages/Adopting-GDPR-Using-COBIT-5.aspx>

<http://www.isaca.org/Knowledge-Center/Research/ResearchDeliverables/Pages/GDPR-Data-Protection-Impact-Assessments.aspx>

State of Cybersecurity 2018

Part 1: Workforce Development

- Does your organization have unfilled (open) cybersecurity/information security positions?
- Time to fill cyber security and information security position

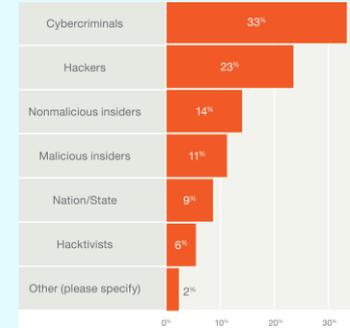
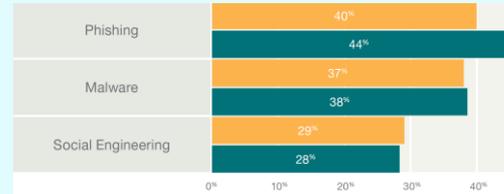


Source: ISACA.org

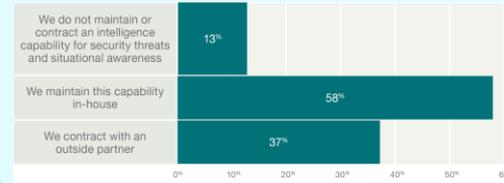
State of Cybersecurity 2018

Part 2: Threat Landscape and Defense Techniques

- Comparison of current attack types to last year's results
- Threat actors



- Active cyber defense



Encouraging knowledge & insights sharing with point system

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ISACA > Knowledge & Insights > Activity Badges

Knowledge Center Community Activity

Points Total **22,997,425**
Points earned by the community & growing!

Badges help others understand your level of community activity and your reputation as a contributor within the Knowledge Center. You earn points for participation, such as starting a discussion, rating a discussion, or adding a document or link. The badge you are awarded is determined as a percentage of the number of points you earn compared to the average of all user's Knowledge Center points. Not only does your community activity influence the badge you earn, but the overall activity of the community also plays a role.

Community Activity Status

Observer Current Value Less than 163 pts.	Lively Current Value 1,634 pts. and above	Social Current Value 1,634 pts. and above	Energizer Current Value 4,493 pts. and above	Influential Current Value 24,509 pts. and above

These values can change daily... keep participating to keep your standing strong!

Community Activity Standing

How To Earn Points

You join an existing topic	5	Your content was rated 1 star	1
You start a discussion	100	Your content was rated 2 stars	7
You reply to a discussion	100	Your content was rated 3 stars	30
You make request to add a colleague	50	Your content was rated 4 stars	40
You accept a colleague	25	Your content was rated 5 stars	50
You Upload Profile Picture / Image	20	You rated content 1 star	1
Upload a Document	150	You rated content 2 stars	1
You contribute a Link	100	You rated content 3 stars	1
		You rated content 4 stars	1
		You rated content 5 stars	1

ISACA Journal: Submit an Article

Thank you for your interest in the *ISACA Journal*, the official journal of ISACA.

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Understanding the Threat Landscape

Yuri Bobbert, CISM, CISA, SCF, and Talitha Papelard-Agteres, CISM
 | Published: 6/4/2018 3:06 PM | Category: Security | Permalink | Email to
 Privacy and security are issues society struggles with on a daily basis, b
 happy, and safety is an important but an uncertain factor in our lives. W
 do these days on the Internet. In prison, there was insight into the threat
 occur. It was clear and visible. You simply had to press a red button and
 the other hand, is complex, invisible and difficult to handle. There is a se
 often one has no idea how to do this.

Critical success factors of enhancing cybersecurity posture

Public-Private-Partnership



Skillset upgrade (Individual + org)



Encouragement + Incentives



Knowledge sharing platforms





Together we make the world safer

Contact: secretary@isaca.org.hk