

# TOPPAN Information Solution (Hong Kong) Limited

A nighttime panoramic view of the Hong Kong skyline, showing numerous illuminated skyscrapers and buildings along the coast, with the harbor in the center. The city lights are reflected on the water, and the background shows dark mountains under a night sky.

Title: Effective Data Governance in Action - Experience Sharing Session

Speaker: Mr. LAU Chi-ho, General Manager of IT & Data

Date & Venue: 14th April 2026, PCPD's Office, Hong Kong

# TOPPAN Information Solution (Hong Kong) Ltd

## IS Security and Quality Certification and Accreditation

- **A leadership of Secure Data Management Services for digital solution and service delivery in Hong Kong**
  - PCI Card Production and Provisioning security  
(only TOPPAN has obtained this attestation of compliance in HK)
  - ISO27001 ISMS certification
  - ISO9001 certification



# Leader of Privacy Data Processor and Sensitive Data Processing

1. Our plants are **good at handle privacy data processing**
  - Bank Statement/Insurance policy and statement, Application with personal data, credit card information, hosting entrusted privacy data web applications.
2. Handle 100+ information security audit visits a year from different customers (banks, insurance companies and FSI companies), card scheme organizations etc
3. Privacy information processing capability:
  - **96m+ privacy information processed per year**
    - Customer Communication Management
    - Marketing Automation
    - Digital Credit Card Processing
    - Identity Access
    - Consumer voucher application processing
    - Family data processing for Census
    - Bank statement processing
    - Insurance policy data processing
    - REO



This presentation demonstrates how TOPPAN Information Solution HK operationalizes data governance by combining formal compliance frameworks with continuously executed cybersecurity and application security programs to protect personal data in real-world conditions.

# Data & Security Governance of TOPPAN Information Solution (HK) Ltd

- Combination of compliance + up-to-date cybersecurity program
  - While certifications such as ISO/IEC 27001 and PCI demonstrate that a formal security framework and controls are in place effective cybersecurity requires an up-to-date, continuously operated cybersecurity program that includes ongoing threat monitoring, regular testing, and active incident response capabilities.
- ISO/IEC 27001 and PCI are compliance frameworks, not security guarantees.
- **Compliance**
  - ✓ point-in-time and control-based
  - ✓ “Do we have controls and governance?”
  - ✓ Evidence-based, audit-driven
  - ✗ Does not ensure controls are effective against new or evolving threats
- **Cybersecurity**
  - ✓ “Can we detect, respond to, and recover from real attacks today?”
  - ✓ Continuous, adaptive, operational, threat-led
  - ✓ Covers people, process, and technology in real time
  - Need to:
    - Continuous testing
    - Active incident response capability
    - Threat-informed operations
    - Living governance



# Practice Guide for IT Security Threat Management (DPO Document)

## Annex E: Threat Monitoring Architecture Illustration

The below diagram provides an illustration of a comprehensive threat monitoring architecture, showcasing the interconnected monitoring tools that work together for IT security threat monitoring:

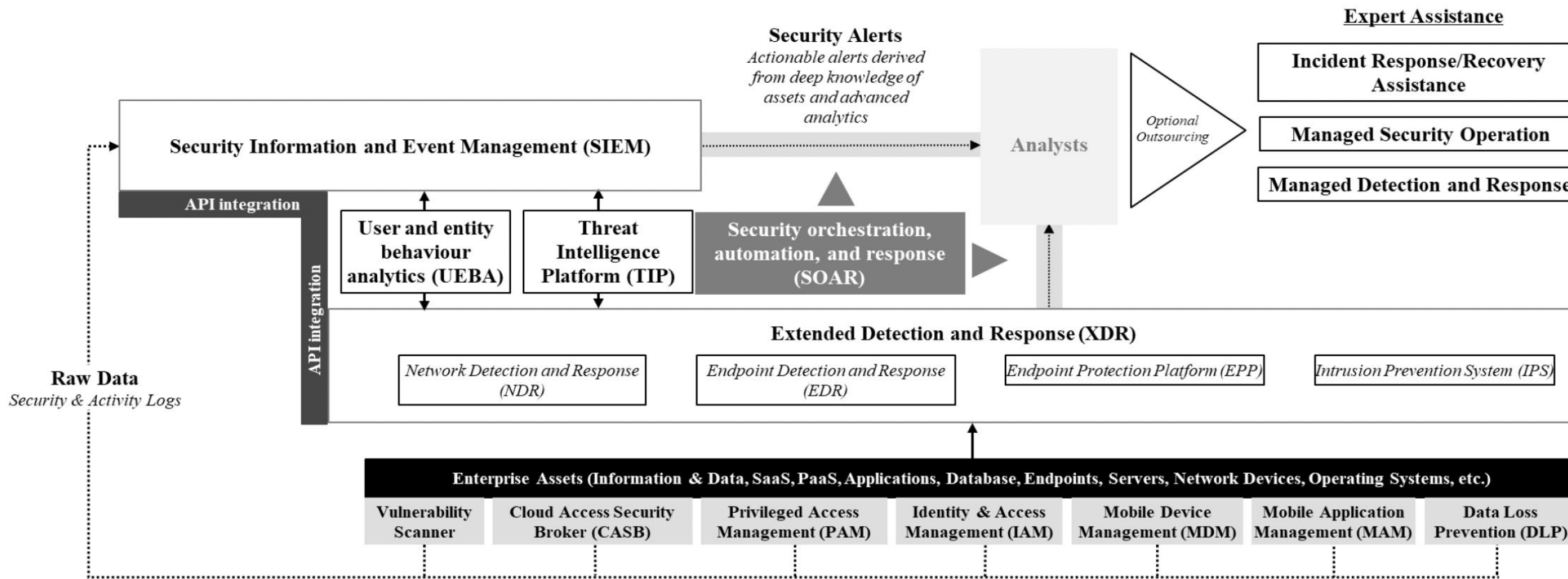


Figure E.1 Threat Monitoring Architecture Illustration

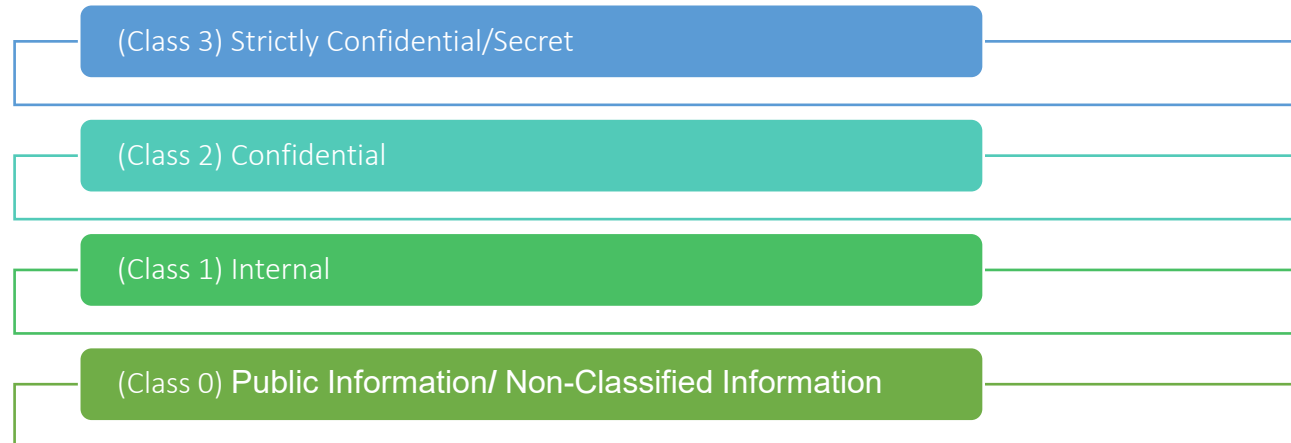
# Data & Security Governance of TOPPAN Information Solution (HK) Ltd(Cont.)

## Basic Policies

- Foundation:
  - TOPPAN Group Basic Information Security Rule
  - TOPPAN Group Risk Management framework
- Localization:
  - TOPPAN Information Security HK Security Standard and Guideline
  - Additional 28 policies and procedure, e.g. Personal Data Identification Procedure, SaaS security

## Data Governance

- Clear data ownership & accountability
  - Data owner / Information Asset Owners
  - Data classification & data lifecycle management
  - Policies, standards & operating procedures
  - Access control & data security integration
  - Data quality & integrity controls
  - Technology enablement
  - Compliance & regulatory alignment
  - Continuous improvement & culture



## Data & Security Governance of TOPPAN Information Solution (HK) Ltd(Cont.)

### Information Security Organization

- TOPPAN Global CSIRT Structure
- TOPPAN Information Solution HK Information Security Management Organization / CSIRT
  - Connecting to TOPPAN CSIRT in Japan, Thailand, Indonesia
  - Connecting to HKCERT and HK Security Community

### Information Security Practise - Examples

- Monthly phishing email drill
- Regular information security training
- Monthly bitesize information security training
- Annual cybersecurity information response drill
- Monthly IT & Data and Risk Management meetings



## Example:

### Location of Security Zones; Security in Facilities

Manage the following zones and facilities, in accordance with the following classification and required security standards:

Zone 5: High-Security Zone

Zone 4: Security Zone

Zone 3: General Operation Zone

Zone 2: Guest Zone

Zone 1: Outside buildings but inside premises

\*In Zones 1-3, it is prohibited to handle entrusted personal information.

### Logical Multi-tier network security zones

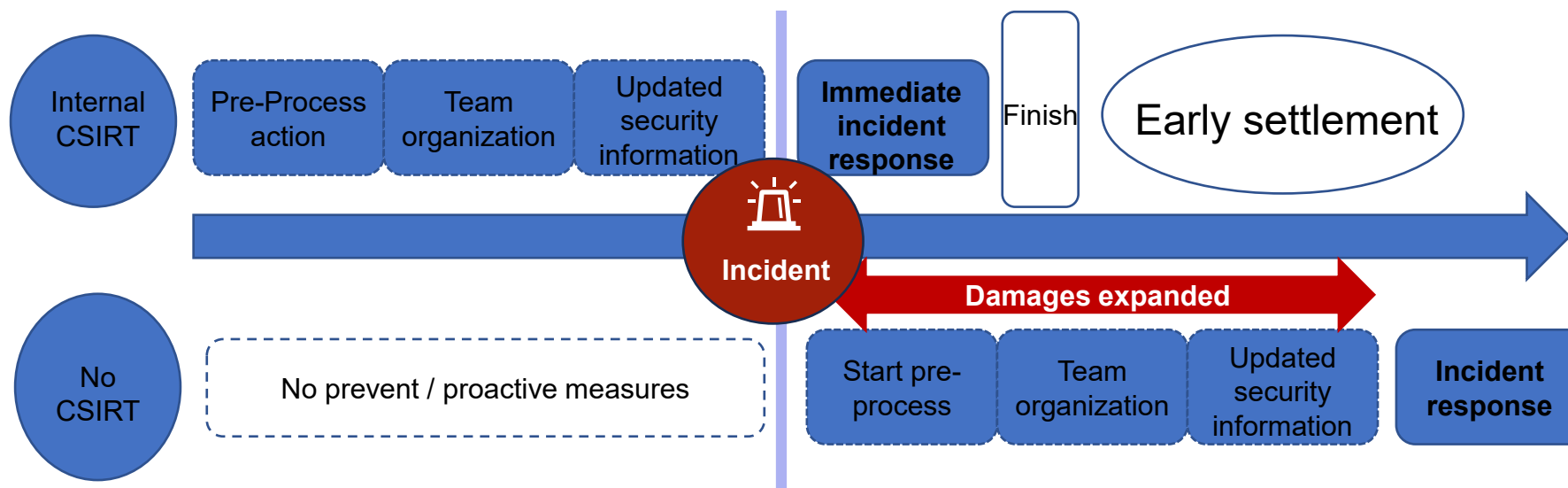
Both Vertical and Horizontal

- Closed Network
- Secure Intranet Network
- DMZ
- Data transfer staging
- Proxy / Reverse Proxy
- Company Admin Network
- Tenants' networks / CDN and non-CDN



# Importance of Cybersecurity Incident and Response

**【CSIRT mission】**  
 Ensure practical measures on proactive and rapid response for the case of security incident, prevent the risk of incident and early settlement when incidents occur.

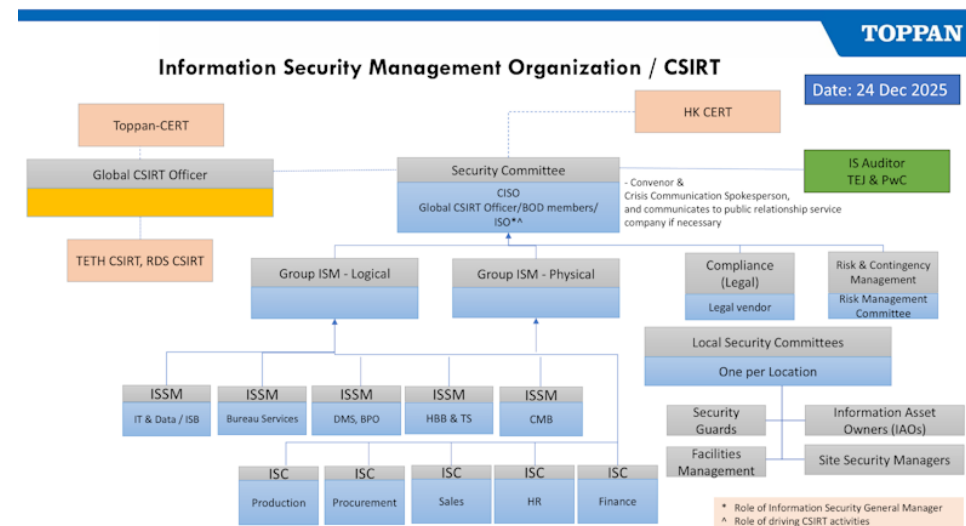


# CSIRT Structure TOPPAN Information Solution (HK) Ltd

- Information Security Organization defined
- Clear Role defined : CISO, ISO etc
  - Assigned Information System Security Manager from technical departments
  - Assigned Information Security Co-Ordinator from non-technical departments
- Logical Security & Physical Security
- Risk & Contingency Management
- Compliance – ISO27001 and PCI CPP
- Cybersecurity Program

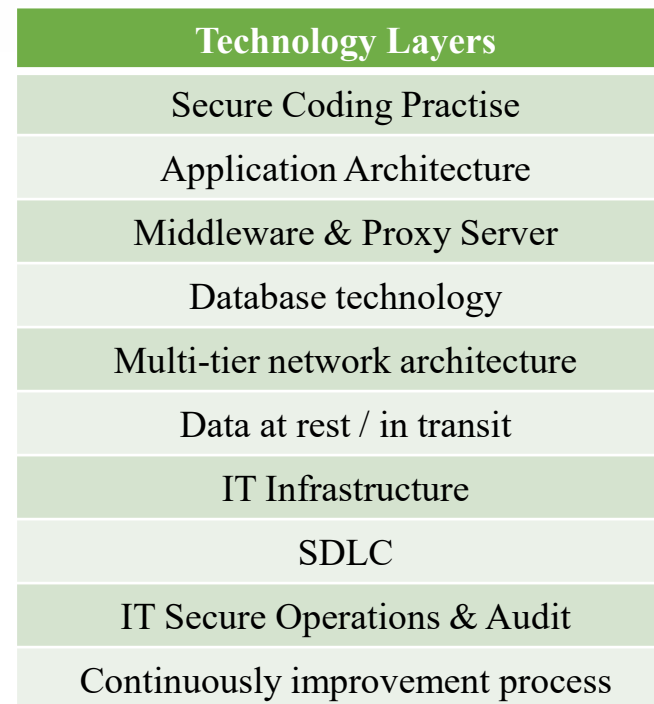
## AUDIT – Policy, Standard & Operation

- TOPPAN group information security audit
- PwC JSOX Audit
- Card Schemes audit
- PCI audit
- ISO27001 audit
- Customers’ audits including banks, insurance companies and quasi government organizations

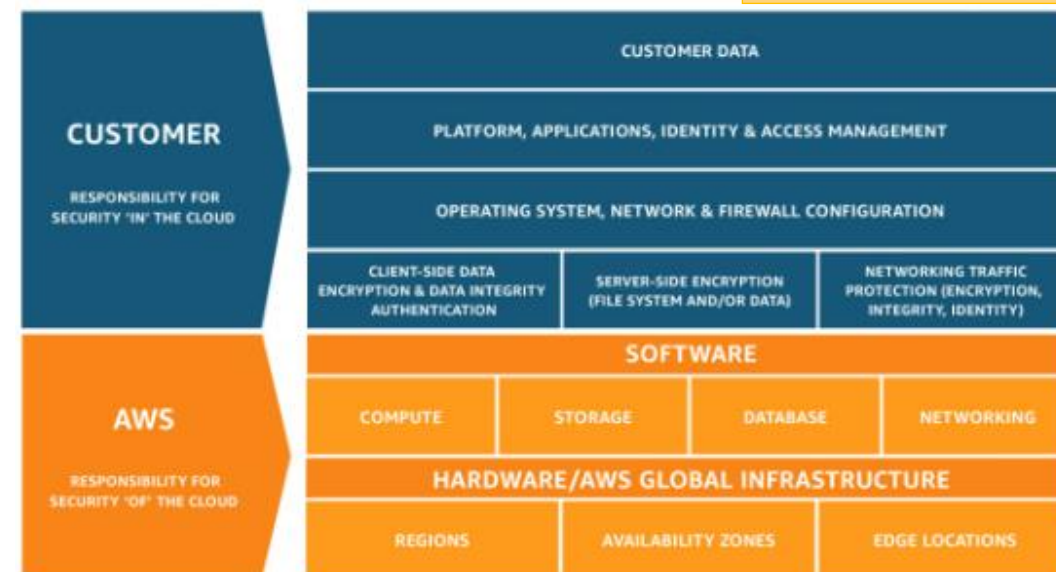


# Application Security

- In this digital age, an IS/IT strategy without security considerations could lead to serious data breaches
- DX comes with a wider attack surface
  - They're deploying various technologies, including:
    - Artificial intelligence (AI) technology
    - Cloud services
    - Big data analytics
    - Internet of Things (IoT) devices
  - These tools make operations smoother, but they also give hackers more ground to cover.
  - Consider the whole technology stack and reference to
    - ISO27001
    - PCI DSS
    - OWASP Top 10
  - Strategy of using Cloud technology
    - Accountability of shared responsibility
    - Take reference of Practice Guide on Cloud Adoption 2026 - HKMA



This diagram is from AWS



“Data Protection isn’t a one-time checkbox—it’s a continuous commitment. Compliance builds trust, and an up-to-date security program safeguards the future. Stay vigilant, stay compliant, stay secure.”

# Thank you!

TOPPAN Information Solution (Hong Kong) Limited

**C.H. Lau – General Manager, IT & Data**

Email: [chlau@ishk.toppan.com](mailto:chlau@ishk.toppan.com)

LinkedIn: [www.linkedin.com/in/ch-lau-341b6337](https://www.linkedin.com/in/ch-lau-341b6337)

