

Office of the Government Chief Information Officer

# IT Security Management Framework in the Government

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# ICT Infrastructure in Hong Kong



## Coverage

Fixed broadband

94%

Mobile

232%



## Speed

Average peak speed

116.2 Mbit/s



## Price

Most Affordable



# Trends of Global Cyber Threats

## Global Trends

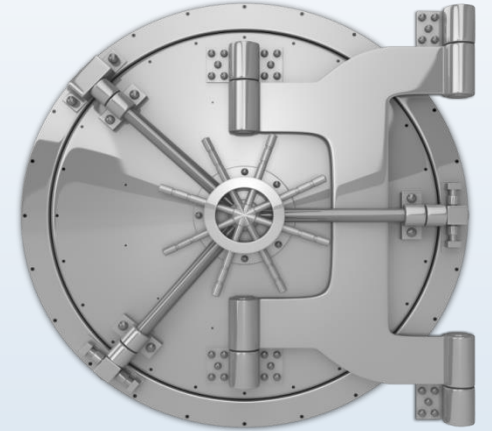
- Diversified and sophisticated cyber threats
- Fast-Spreading malware



# Objectives



Secure and Resilient  
Government IT infrastructure



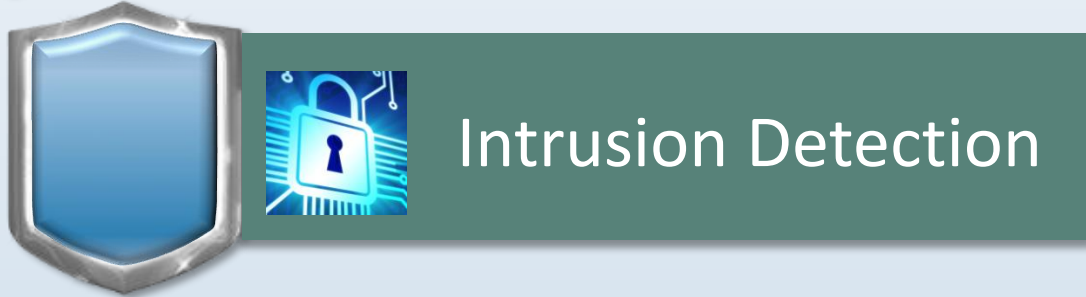
Robust and Secure Cyber  
Environment



Awareness and Capability  
Development



# Mandatory Security Measures



# Risk Management



- **Security Risk Assessment and Audit**
- **Security Compliance Audit**



# Critical Infrastructure Protection



**Banking & Finance**



**Communications**



**Government Services**



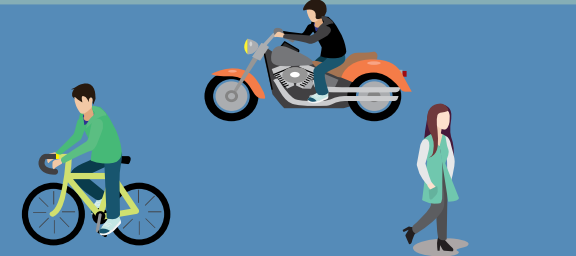
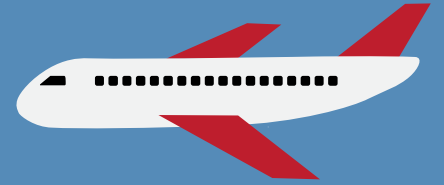
**Public Utilities**



**Transportation**



**Liaison &  
Coordination**



# Situational Awareness



GovCERT.HK



Security Alerts  
Reminders

## High Threat Security Alerts

### Alert

[Security Alert \(A16-12-07\): Vulnerability in PHPMailer](#)

[Security Alert \(A16-12-05a\): Multiple Vulnerabilities in IBM Notes and Domino](#)

[Security Alert \(A16-12-06\): Multiple Vulnerabilities in Apple iOS](#)

[Security Alert \(A16-12-05\): Multiple Vulnerabilities in IBM Notes](#)

[Security Alert \(A16-12-04\): Multiple Vulnerabilities in Firefox](#)

[Security Alert \(A16-12-03\): Multiple Vulnerabilities in Adobe Flash Player](#)



## IT Security Theme Page

### Highlights

- [OGCIO Circular No. 7/2016 - Revised Government IT Security Policy and Guidelines](#)
- [Amendments to the Security Regulations](#)
- [Reminder : Protecting Information with Appropriate Use of E-mail Service](#) (15 December 2016)
- [Reminder : Preventing Ransomware Attacks from Phishing Emails and Websites](#) (9 December 2016)
- [Reminder : Protecting Mobile Devices Against Android Malware Campaign](#) (2 December 2016)
- [Reminder : Protecting your Computer from Ransomware Infection](#) (2 November 2016)
- [Reminder : Protecting Mobile Phones Against New Android Vulnerabilities \(Update\)](#) (15 September 2016)

# Capability Development and Awareness Promotion

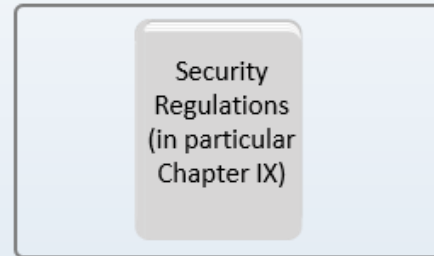


[www.cybersecurity.hk](http://www.cybersecurity.hk)

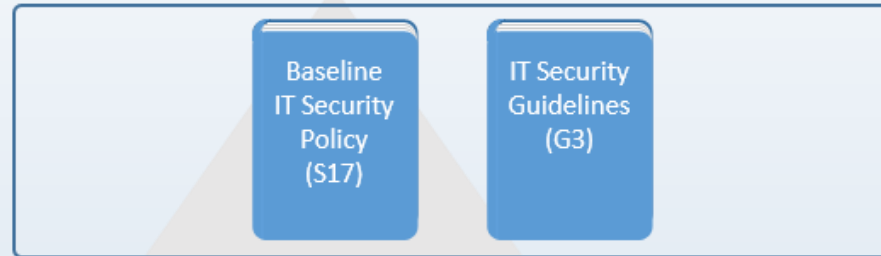


# Government IT Security Policies and Guidelines

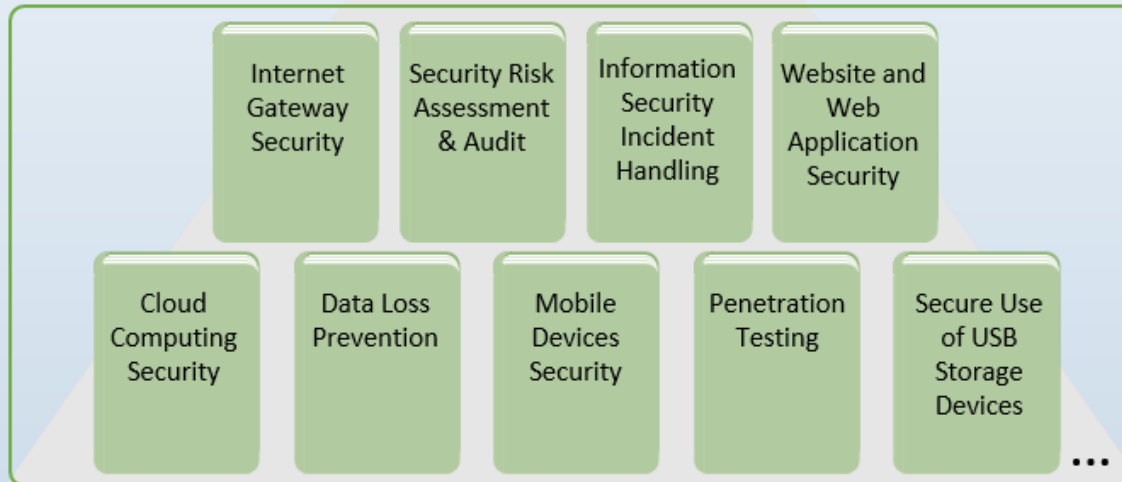
## Security Regulations



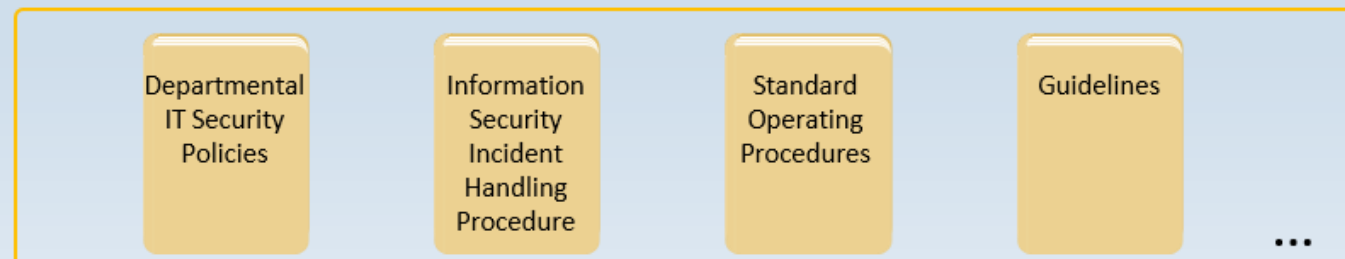
## Government IT Security Policy and Guidelines



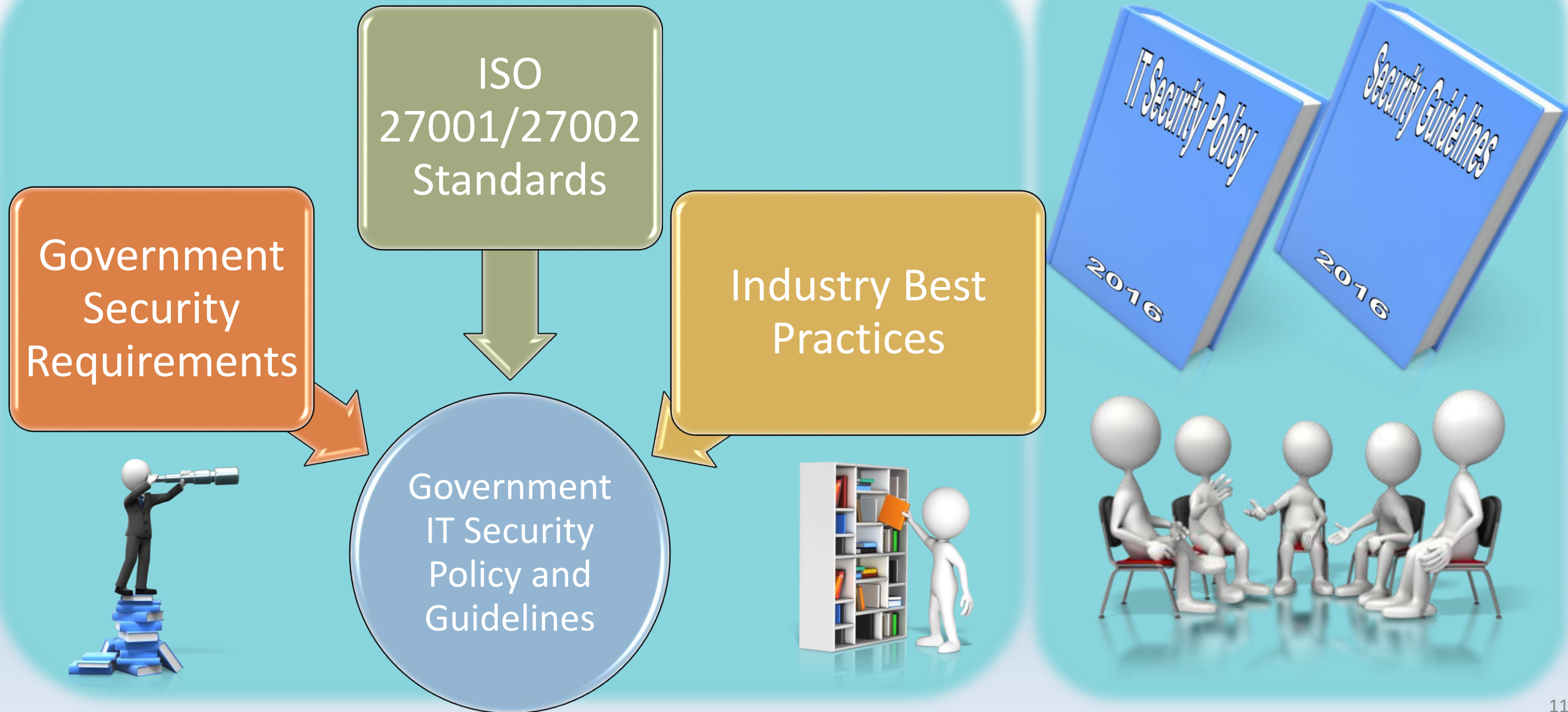
## Practice Guides



## Departmental IT Security Policies, Procedures and Guidelines



# Adoption of International Standards



# Governance, Risk Management and Compliance



**Better mobilisation  
Faster response**



**Risk Based Approach**



**Compliance Monitoring  
& Audit**



# Improve IT Security Governance Structure



**Information Security  
Management  
Committee**

**Centre**



**Department  
Security Management  
Structure**

**Departmental**



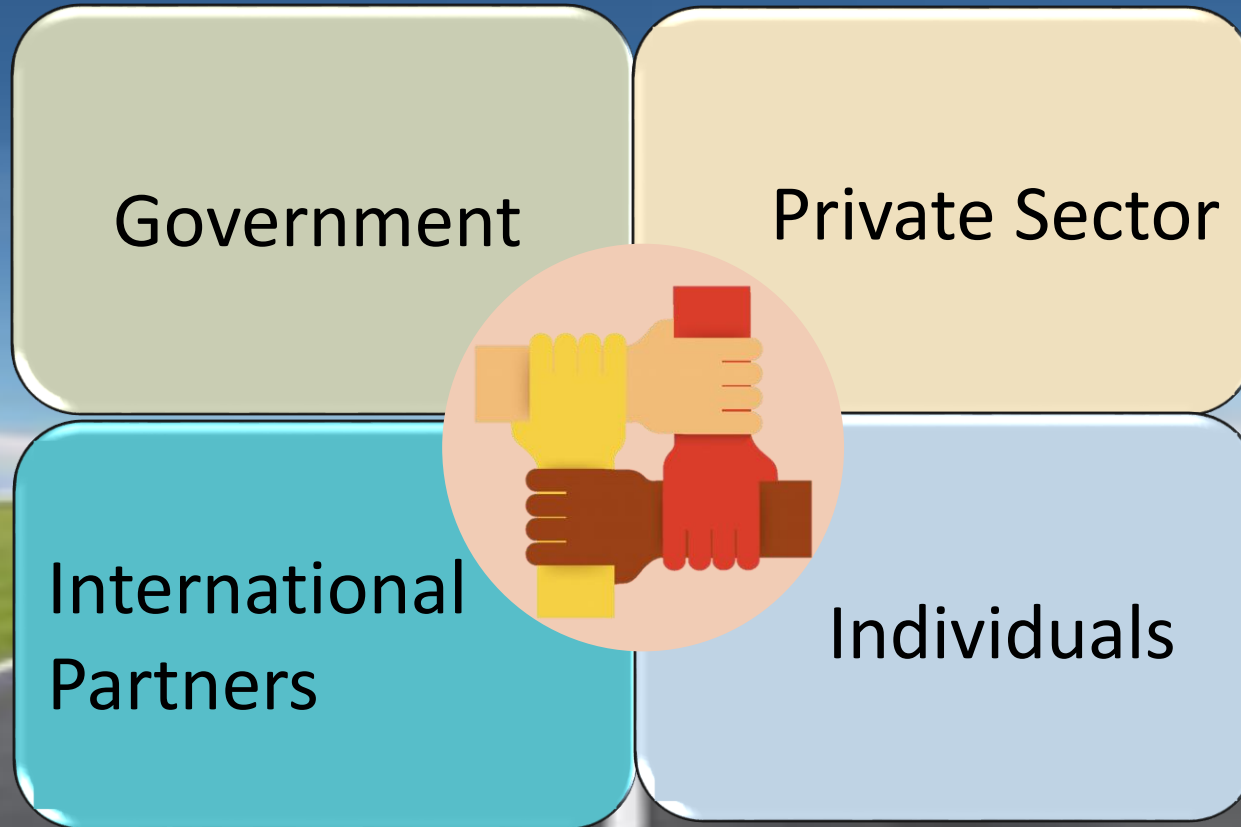
## **Strengthen**

- Define More Clearly Responsibilities and Duties
- Mobilise Resources
- Quick Decision Making

# Strengthen Data Protection



# Conclusion





**Thank You**

**Happy New Year**