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Building Trust in the Cloud Era - Protect, Respect Personal Data

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The Hong Kong Data Protection Law

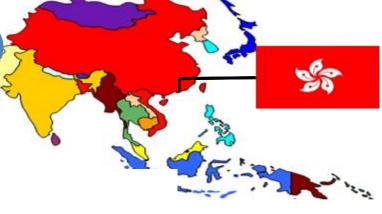
The Personal Data (Privacy) Ordinance 1995 (the Ordinance)

comprehensive and stand-alone

 covering the public (government) and private sectors

referenced to OECD Privacy
 Guidelines and 1995 EU Directive

 enforced by an independent statutory regulatory body – the Privacy Commissioner for Personal Data





The Personal Data (Privacy) Ordinance



Principle 1 - Purpose and Manner of Collection



- related purpose
- lawful and fair means
- adequate but not excessive

e.g. collection of fingerprints for attendance is excessive





Principle 1 – Purpose and Manner of Collection



- purposes
- classes of transferees
- obligatory/voluntary
- consequences for failure to supply when obligatory
- contact details for access/correction

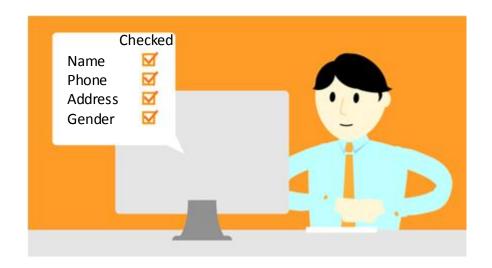




Principle 2 – Accuracy and Duration of Retention



 practicable steps to ensure accuracy



Principle 2 – Accuracy and Duration of Retention



 personal data not kept longer than necessary for the purpose

e.g. personal data of unsuccessful insurance applicants should not be retained by insurer indefinitely



Principle 3 – Use of Personal Data



 not being used for a new purpose without prescribed consent

e.g. posting of compliant letter openly showing details of complainant without consent may contravene DPP3



Principle 4 – Security of Personal Data



- practicable steps to ensure no unauthorized or accidental access, processing, erasure, loss, use and transfer
- security in the storage, processing and transmission of data



e.g. loss of unencrypted USB drive with personal data

Principle 5 – Openness – Information be Generally Available



- policies and practices in relation to personal data
- kinds of personal data held
- main purposes for which personal data are used



e.g. apps accessing data on smartphone should show privacy policy

Principle 6 – Access to Personal Data



- access right
- correction right

e.g. patients of the Electronic Health Record scheme may request access to the data shared by all their health care providers





 cloud computing leaflet issued 2012 and updated 2015



Cloud Computing

This information leaflet aims to advise organisations on the factors they should take into account in considering engaging cloud computing. It explains the relevance of the Personal Data (Privacy) Ordinance (the "Ordinance") to cloud computing. It highlights the importance for a data user to fully assess the benefits and risks of engaging cloud computing and understand the implications for safeguarding personal data privacy.

What is Cloud Computing?

There is no universally accepted definition of cloud computing. For the purpose of this leaflet, it is referred to as a pool of on-demand, shared and configurable computing resources that can be rapidly provided to customers with minimal management efforts or service provider interaction. The cost model is usually based on usage and rental, without any capital investment.

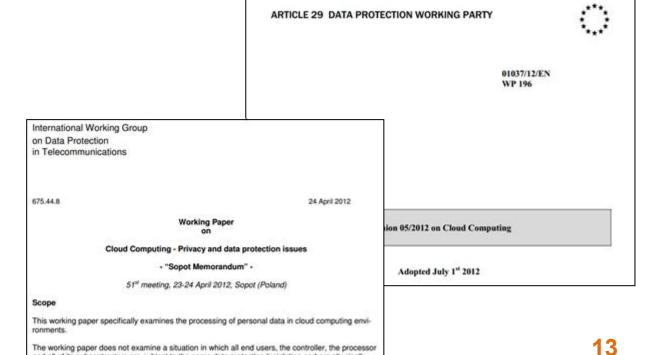
Cloud Computing Engagement and the Ordinance





and all of its subcontractors are subject to the same data protection legislation and are physically

consistent with
 Article 29 Working
 Party's opinion on
 Cloud Computing,
 Berlin Group's
 Working Paper on
 Cloud Computing Privacy and Data
 Protection Issues





Bottom lines:

- organisations need to maintain controls
- organisations fully responsible for personal data protection
- outsourcing data processing ≠ outsourcing legal responsibility

Potential privacy issues related to cloud's business model

- rapid transborder data flow
- loose outsourcing arrangements
- standard contract terms



Rapid transborder data flow. Do organisations know:

- where personal data will be stored?
- if and what legal protection is afforded in the location?
- how to explain to customer the risk of storing data overseas?

Data user needs to know storage locations, have consent, ensures comparable law, or exercises due diligence etc.

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Loose outsourcing arrangements. Do organisations know:

- if there is subcontracting arrangements by the cloud provider?
- if their requirements on cloud providers are observed by their subcontractors?

Cloud service provider needs to be transparent on outsourcing practice and have sufficient controls in place



Standard contract terms. Do organisations know:

- what to do if standard contract terms are inferior to requirements?
- how to monitor the compliance of standard/customised terms?

Ensure requirements are addressed in contract and enforced









Data user

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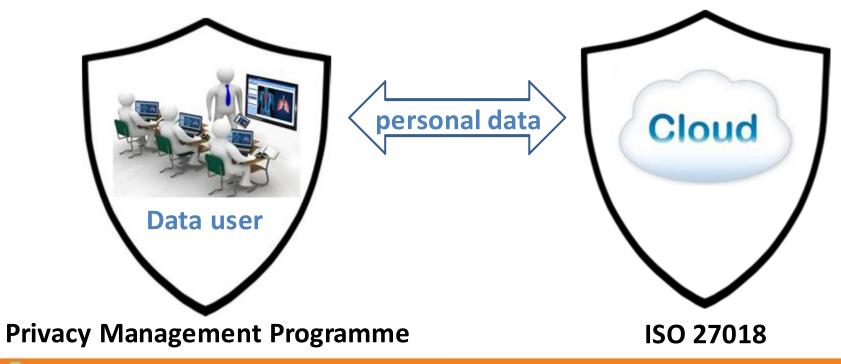
ISO 27018 has two parts:

- specific ISO 27002 security controls applicable to cloud
- Specific ISO 29100 privacy framework applicable to cloud

ISO 27018 addresses (to name a few) personal data privacy:

- transparency on storage location
- transparency on outsourcing arrangements
- commitments on data re-use, retention, disclosure, data breach notification, security, encryption, etc.





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Privacy Management Programme (PMP)

 encourage organisations to embrace personal data privacy protection as part of their corporate governance responsibilities and apply it as a top-down business imperative throughout the organisation

Compliance



accountability

Privacy Management Programme (PMP)

- strategic framework
- good corporate governance
- trust building
- transparency
- 3 organisational commitments,
 - 7 bottom-up controls and
 - 2 review processes



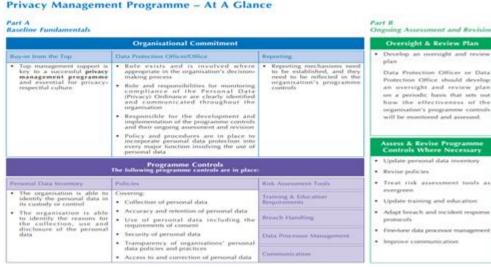


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PMP Best Practice Guide Framework

Three top-down management commitments

- top management buy-in of the PMP
- appointment of a Data Protection Officer or Office
- internal reporting mechanism





PMP Best Practice Guide Framework

Seven bottom-up programme controls

- a personal data inventory
- internal policies (DPPs)
- risk assessment
- up-to-date training and education
- procedure of notification (data breach)
- obligations for data processor
- communication with employees and customers

Two on-going monitoring processes

- documented process
- regular execution



Paradigm Shift

Compliance approach:

- passive
- reactive
- remedial
- problem-based
- handled by legal/compliance
- minimum legal requirement
- bottom-up

Accountability approach:

- active
- proactive
- preventative
- based on customer expectation
- directed by top-management
- reputation building
- top-down

From Compliance to Accountability

Effect of Paradigm Shift

Liability Asset

Effect of Paradigm Shift

Enforcement and + Accountability compliance

TrustCulture(Protect and Respect)

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