

# CIPT Privacy Summary\*

## Core Privacy Concepts

### Privacy Impact Assessments

- Preparation
- Data Analysis
- Privacy Assessment
- Reporting

### Data

- Classification
- Inventory
- Data Flow Diagram
- Data Access
- Data Flow Compliance

### OECD Guidelines

- Collection Limitation
- Data Quality
- Purpose Specification
- Use Limitation
- Security Safeguards
- Openness
- Individual Participation
- Accountability

### Privacy by Design

### Fair Info Principles

### Security Measures

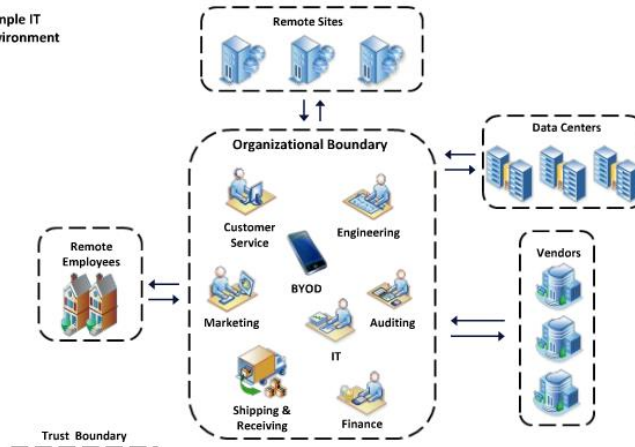
- Encryption
- Software Protection
- Access Controls
- Physical Protection
- Auditing
- Social Engineering

### Info Life Cycle

- Collection
- Use
- Disclosure
- Retention
- Destruction

## Privacy in IT Systems

Sample IT Environment



### IT Risks

- Client Applications
- Client-Server Networks
- Wireless Technology
- Location Based Services
- BYOD
- SMART Devices
- Authentication
- Biometric Recognition
- Surveillance

## Cloud Computing

### Types

- Personal
- Private
- Public
- Community

### Security Concerns

- Complacency
- Geographic Needs
- Services Misuse
- Data Breaches
- Traffic Hijacking
- Security Interfaces
- Storage of information
- Proper Auditing

### Services

- SaaS
- PaaS
- IaaS

### Associations and Standards

- NIST Cloud Computing Standards Roadmap
- Cloud Standards Wiki
- Cloud Security Alliance
- Storage Networking Industry Association

## De-Identifying and Anonymizing Data

### Types of Encryption

- Record
- Field
- File
- Disk

### Regulations

- Basel III
- HIPAA
- PCI DSS
- Financial Instruments

### Cryptography

- Symmetric
- Asymmetric
- Hashing

### Identifiability /Identifiers

- Devices
- Anonymous Data
- Pseudonymous Data
- De-Identification
- Re-Identification

### Privacy Enhancing Technologies

- Data Loss Prevention
- Automated Data Retrieval
- Automated System Audits
- Data Masks
- Obfuscation
- Picture Authentication
- Technography

## Online Privacy Issues

### Online Advertising

- Inventory
- Premium
- Contextual
- Demographic
- Psychographic
- Behavioral

### Online Threats

- Phishing
- Spear Phishing
- Whaling
- Pharming
- SQL Injection
- Cross-Site Scripting
- SPAM

### Tracking Technologies

- Cookies
- Beacons
- Locally Shared Objects
- Browser Fingerprinting
- History Sniffing
- Super Cookie

### Tools

- Machine Readable Policy Language
- Browser Security
- Web Security Protocols