PRIVACY IN CYBERSPACE

CSH6 Chapter 69

"Privacy in Cyberspace: U.S. and European Perspectives"

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Topics > Worldwide Trends > European Approaches to Privacy > United States > Compliance Models PRIVACY

Worldwide Trends

- Technology brings increased opportunities for data collection & commercial use
- Growing concern over privacy protection
- Cutting-edge developing technologies
 - □DNA databases □RFID
 - □Electronic health records
- Recent cyberprivacy issues

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Recent Cyberprivacy Issues



➤NSA Domestic Spying

►NSA PRISM in USA

≻Phone Hacking in UK



NSA Domestic Spying

October 2001 – President Bush orders NSA to begin surveillance within USA

No law authorizing capture of telephone & Internet communications

No court order satisfying 4th Amendment requirements

Bush administration concedes that order violates even FISA (Foreign Intelligence Surveillance Act)

Obama administration continued illegal surveillance

For cartoons lampooning this surveillance, see http://tinyurl.com/oagvwp4

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Word Games

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https://www.eff.org/nsa-spying/timeline

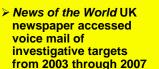
Timeline of NSA Domestic Spying

The information found in this timeline is based on the Summary of Evidence we submitted to the court in Jewel v. National Security Agency (NSA). It is intended to recall all the credible accounts and information of the NSA's domestic spying program found in the media, official government statements and reports, and court actions. The timeline includes leaked documents, first published by the Guardian June 2013, that confirmed the domestic spying by the NSA, as well as accounts based on unnamed government officials. The documents that form the basis for this timeline range from a Top Secret Court Order by the secret court overseeing the spying, the Foreign Intelligence Surveillance Court (FISA Court), to a working draft of an NSA Inspector General report detailing the history of the program. The "NSA Inspector General Reports' stab consists of information taken from an internal working draft of an NSA Inspector General report that was published by the Guardian on June 27, 2013. It also includes a July 10, 2009 report written by Inspectors General of the Department of Justice (DOJ), NSA, Department of Defense (DOD), Central Intelligence Agency (CIA), and the Office of the Director of National Intelligence and a June 25, 2009 "End to End Review" of the Section 215 program conducted by the NSA for the FISA Court. For a short description of the people involved in the spying you can look at our Profiles page, which includes many of the key characters from the NSA Domestic Spying program. The documents published by various media outlets are gathered here.









- > Management systematically opposed and undermined investigations by legal authorities
- ➤ Major failure to comply with journalistic and legal requirements



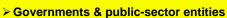


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Laws, Regulations & Agreements

- General patterns emerging across countries
- Personally identifiable information (PII)
- □Anything tied to individual
- □Potentially subject to regulation
- Principle: data subject should control PII
- Privacy laws: obligations to respect data subject's expectations
- Fair information practices
 - □Control by data subject
 - □ Prohibition of specific practices/applications concerning PII
- Challenge: integrate business, law & technology

Sources of Privacy Law



□Restrained from undue intrusion

□Constitutional mechanisms

□Access to government-held PII in democracies

- > Restraints on private-sector usage by laws
- > European Charter of Fundamental Rights
 - □Nation states must consider protection of PII as fundamental human right
 - □Applies also to future members of EU
- Privacy being integrated into national constitutions & supranational law

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➤ Privacy increasingly important in 1960s & 1970s

□1st modern data-protection law 1970: Hesse

□Surveillance potential of computers and

European Approaches to **Privacy**

- **≻History & OECD**
- **≻EU Data Protection** Directive
- > Harmonization of Non-**EU European** Countries
- >EU **Telecommunications Directive**
- European Data **Protection Supervisor**



networks

(state) in [West] Germany 1981: Council of Europe - "Convention for the Protection of Individuals with regard to the

History & OECD*

Automatic Processing of Personal Information" □Aka COE Convention – adopted by > 40 countries

1981: OECD "Guidelines Governing the Protection of Privacy and Transborder Data Flows of Personal Information"

Aka OECD Guidelines - used even by non-EU

nations *Organisation for Economic Co-operation & Development CIES FOR BETTER LIV

EU Data Protection Directive



- ➤ Directive 95/46/EC passed in 1995
- ➤ Became effective 1998
- > Requires EU member states to pass national laws implementing its terms
- ➤ National laws not identical
- > Not enough for businesses with EU interests to use only DPD - must examine local laws
- > Details:
 - □EU Directive Requirements
 - □International Data Transfer Restrictions
 - □State of implementation ata Protection Directive

EU Directive Requirements



- > Notice: who, why, how, where, to whom
- > Consent: right to block, opt out, require permission
- > Consistency: follow terms of notice
- Access: see own info, make corrections
- > Security: prevent unauthorized access
- > Onward Transfer: contractual obligations to follow same rules and agreements
- > Enforcement: private right of action, **Data Protection Authority in every country**
 - □Investigate complaints
 - □Levy fines
 - □Initiate criminal actions
 - □Demand changes

International Data Transfer Restrictions



We Self-Certify Compliance with:

SAFEHARBOR

U.S. DEPARTMENT OF COMMERCE

For Illustration Only

- Regulation of interjurisdictional information exchanges
- Transfer from EU to non-EU countries
 - □PROHIBITED unless
 - □Destination has "adequate" legal protections
 - □USA not considered to have adequate protection
- US/EU Safe Harbor arrangements discussed later in chapter

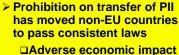
State of Implementation



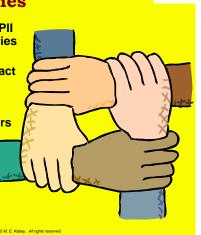
"All 27 member countries of the **European Union.** including the new members states, have passed legislation fully implementing the directive."



Harmonization of Non-EU European Countries



- Two categories
 - □EU trading partners
 - □Potential future members of EU



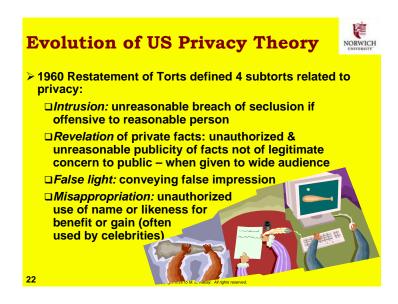
EU Telecommunications Directive

- Specific to telecommunications companies & agencies
- Ensure technological assurance of privacy for communications
- Restricts access to billing information
- Limits marketing strategies
- Allows per-line blocking of caller ID
- Forces deletion of call-specific information at end of communication
- New proposal goes further: affect all electronic communications

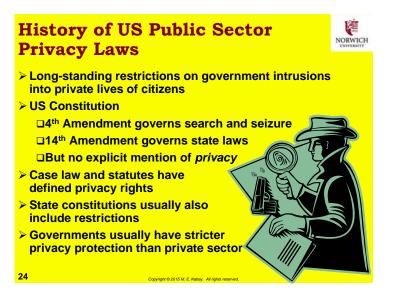












Privacy Act of 1974 & FOIA



- ▶ Privacy Act of 1974
 - □Limits on federal government can use & transfer PII
 - □Individual rights to know PII held by federal government
- Freedom of Information Act (FOIA) part of **Privacy Act**
 - **□**Determine
 - □Forbid
 - **□**Access
 - **□**Correct
 - □Current, relevant, not excessive
 - □Private right of legal action

ECPA of 1986

- ➤ Electronic Communications Privacy Act of 1986
 - □Amended Wiretap Law of 1968
 - □Prohibits unauthorized, intentional
 - ✓Interception of
 - ✓ Access to
 - □Wire, oral, electronic communications
- Require court orders to install devices
 - □Pen registers (outbound phone numbers)
 - □Trap and trace (incoming phone numbers)
- □Not probable cause only certification from LEO

Right to Financial Privacy





- □Obtain financial records for individual
 - □Without informing subject of investigation
- Subpoena: 90 day limit for informing subject
- Other methods for authorizing disclosure
 - □Must inform subject
 - ✓ Before
 - √Simultaneously with
 - □Investigation

Driver's Privacy Protection



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- 1st time Congress passed law limiting state government access to PII
- Prohibits disclosure of PII associated with motor vehicle ownership / driver's license
- Exceptions
 - □Legitimate government activities
 - □Facilitate (safety) recalls

Law Enforcement & National Security Surveillance

- Criminal activity aided by technological advances
- Law enforcement & national security information gathering also enhanced
- Monitoring search data for signs of crime
 - □ Packet sniffers: capture & scan packets for keywords using signatures or heuristics
 - Black boxes: log communications traffic
- Surveillance eavesdrop on communications / behavior of specific subjects of investigation
 - □ ECHELON USA, UK, NZ, Australia, Canada
 - □ CALEA (Communications Assistance for Law Enforcement Act of 1994) requires technical standards for ISPs
 - □ Council of Europe Convention on Cyber-Crime (2004)
 - √ 22 countries ratified
 - ✓ Criticism from privacy advocates

Private Sector



- > Overview of US Private Sector Regulations
- ➤ Gramm-Leach-Bliley Act
- ➤ Children's Online Privacy Protection Act
- ➤ Health Insurance Portability and Accountability Act
- ➤ Cable and Video Acts
- ➤ US/EU Safe Harbor
- ➤ Workplace Privacy
- > Anonymous Cybersmearing
- > Online Monitoring Technology
- ➤ Location Privacy
- **➢ Genetic Discrimination**
- Social Network Sites & Privacy

Overview of US Private Sector Regulations

- > US relatively limited in regulating private sector □Preference for self-regulation
- Most privacy-related laws are sector-specific
 - □Financial services
 - □Healthcare services
- > Evolving issues
 - ■Workplace privacy
 - **□**Defamation
 - □Location □
 - **□**Genetics
 - □Social networks



Gramm-Leach-Bliley Act

- GLB 1999 law named for its architects □Took effect July 1, 2001
- > Applies to all financial institutions
 - □ Protect data subjects' PII
 - □ Disclose policies to data subjects
 - □ Provide options for sharing info (or not)
 - □FTC in particular has extended definition of financial institutions

Videspread effects in many industries

- □ Capture & maintain opt-out requests
- □ Send notices to affected customers
- □Limits on selling customer lists
- □ Be sure arrangements meet multiple regulators' requirements







Children's Online Privacy **Protection Act**

- COPPA passed 1998
- **➢ Prohibits**
 - □Collection
 - □Use
 - **□**Disclosure
- Children's PII without verifiable parental
- > FTC rules violations "unfair or deceptive trade practices"

Health Insurance Portability and Accountability Act



- > HIPAA (not HIPPA) passed 1996 □Last compliance deadline was
 - 2004
- > Providers & health plans must
 - □Give patients clear written explanations of how organizations handle PII
 - ■Minimize use of PII to essentials
 - □Disclosure logs
 - □Cannot condition services on waiver of rights
- Criminal penalties for fraudulent obtention
- > States not preempted from more restrictive laws
- Substantial fines for violations

Cable and Video Acts

- ➤ Cable Communications Policy Act of 1984 §551
 - □Protection of subscriber privacy
 - □Annual notice of data collection/use practices
 - ■Mandatory prior consent
 - Law enforcement require court order for info
 - □Private right of action (punitive damages, fees)
- > Video Privacy Protection Act of 1988
 - □Prohibits transfer of video rental records
 - □Exceptions require customer approval
 - □LEOs require warrant
 - □Sometimes described as result of borking (now a recognized verb) Robert Bork in 1987 over (inoffensive) video rentals

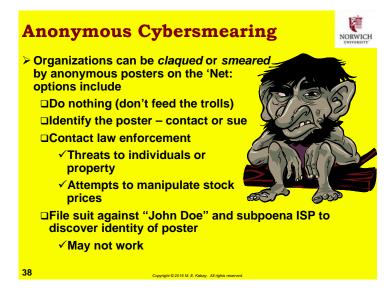
US/EU Safe Harbor

- ➤ EU Privacy Directive (1998) restricts transfer of PII to nations with adequate privacy protection
- April 1998 July 2000: negotiations on Safe Harbor provisions allow data transfers to companies willing to
 - □Comply with EU Directive principles
 - □Self-certify adherence by public report to US Dept of Commerce
 - □ Provide for independent audit or membership in suitable organization
 - √TRUSTe, BBBOnline
 - □Be subject to FTC regulation
 - √ Violation of SH actionable as fraud by FTC



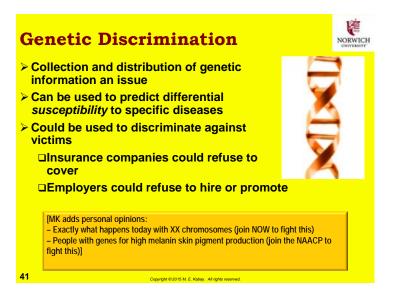




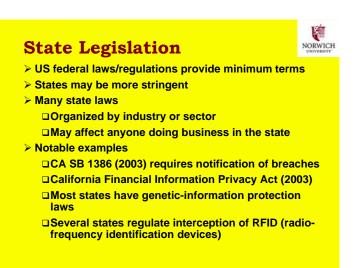
















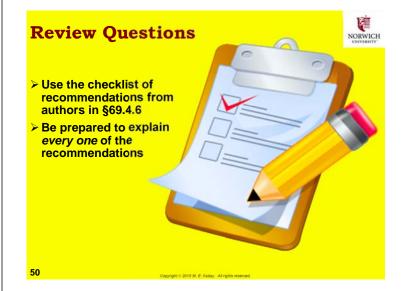








- □Policing contracts may beyond means or inclination of many businesses
- □Businesses unlikely to sue trading partners
- □Consumers unlikely to launch individual **lawsuits**
- □Class-action lawsuits possible
- □Once compromised, PII cannot realistically be re-protected
- □Extent of problem may exceed practical resources for enforcement
- Therefore may have to rely on technology



A Practical Checklist (1)



- > Achieve buy-in, at the highest level of the organization, to the idea that personal information management must be part of an organization's critical infrastructure.
- > Perform due diligence to identify all types of personal information collected and the routes by which the data travel in and out of the organization.
- > Identify all of the uses to which the information is put during its life cycle through collection, processing, use, transfer, storage, and destruction.

A Practical Checklist (2)



- > Identify each law affecting the collection, use, and transfer of personal information to which the company is subject.
- > Create an institutional privacy policy that accurately considers both a commitment to abide by various legal requirements and the legitimate business activities of the organization.
- Create supporting materials that educate employees and instruct on policy implementation.

A Practical Checklist (3)



- Implement consistent data transfer agreements with all data-trading partners, vendors, service providers, and others with whom personal information is acquired or transferred.
- > Build privacy management into the organization's strategic planning, providing sufficient resources for personnel, training, technology, and compliance auditing.
- > Hold employees accountable for implementation and compliance with the privacy policy and contract requirements.

A Practical Checklist (4)



- Consider innovative approaches to privacy protection and business development that limit or eliminate the collection of personally identifiable information.
- Periodically audit compliance.