



Presentation to the Senate Select Committee on Cybersecurity

Shirley Erp

Chief Information Security Officer

Health and Human Services Commission

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Health and Human
Services

Health and Human Services System

HHS has over:

- 45,000 employees
- 440 field offices, centers and facilities (state hospitals and state supported living centers)
- 400 programs
- 8 million clients
- 115,000 computer devices
- 1.6 million network addresses
- 92.2 million cyber attacks annually



HHS Compliance Requirements

The Most Stringent Agency Compliance Requirements:

- Health Insurance Portability and Accountability Act (HIPAA)
- Internal Revenue Service/Federal Tax Information (IRS/FTI)
- Criminal Justice Information Services (CJIS)
- Social Security Administration (SSA)
- Centers for Medicare & Medicaid Services (CMS)
- Federal Information Security Management Act (FISMA)
- Family Educational Rights and Privacy Act (FERPA)
- Health Information Technology for Economic and Clinical Health (HITECH)
- United States Department of Agriculture (USDA)
- Centers for Disease Control and Prevention (CDC)
- Texas Administrative Code (TAC) 202
- Texas Business and Commerce Code, Title 11, Sub. B, Ch. 521



HHS Security Program



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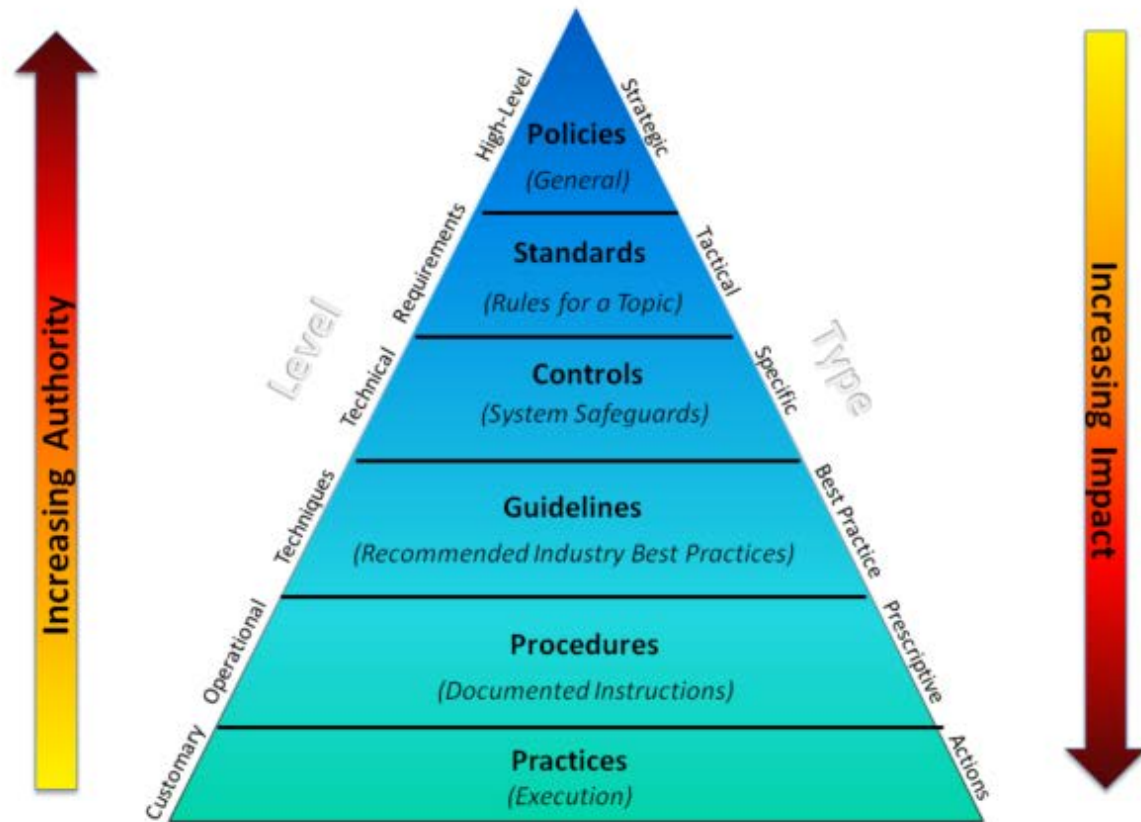
HHS Security Frameworks

- **TEXAS** - Texas Cybersecurity Framework
- **FEDERAL** - National Institute of Standards and Technology (NIST)
- **INTERNATIONAL** - International Standards Organization and International Electrotechnical Commission (ISO/IEC) 27000-series of information security standards
- **BEST PRACTICES** - Center for Internet Security (CIS) Controls



HHS Information Security Documentation Structure

Security publications propagate security throughout the agency



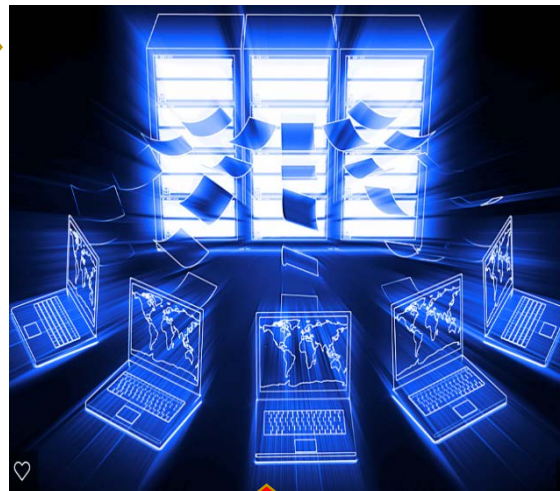
Cyber SOC Operations

Security Tools

(local and state data center visibility)

- Intrusion Prevention System (IPS)
- Firewalls
- Anti-Malware
- User Browsing
- Data Loss Prevention (DLP)
- Vulnerability Scanning
- Security Information Event Management (SIEM)
- Advance Persistent Threat (APT)
- End Point Protection (EPP)

Analytics



Threat Intelligence

GRC

(operationalizing processes with drill down dashboards)



HHS Content

- System Inventory
- DCS Inventory
- Contracts
- Confidential Data Transfers
- Security Control Standards
- Security Risk Assessments
- Security Control Standards
- Service Tickets
- Business Continuity



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12/4/2017

Security Services and Partnership

Creating a Security Culture and Building Relationships



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Security Awareness

FY17 Cybersecurity Fair had Over 500 Attendees



- Annual October Cybersecurity Awareness Fair
- Newsletter and Email Articles
- Phishing Exercises
- Annual Required Training
- Information Security Associate (ISA) Program



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Thank you
