

Security and Data Vulnerability

The Telecommuting Dilemma

Enterprise Leadership Council
April 9, 2009

Agency Responsibilities

- Establish agency Telework Policy & Internet Acceptable Use Standards per enterprise policies and standards
 - Define types of functions permitted to telework
 - Define security controls required for secure teleworking
- Ensure telework employees receive annual security/privacy training and have the knowledge to comply agency policies and standards

Employee Responsibilities

- Comply with agency Telework Policy & Standards
 - Home telework environment should comply with security and privacy requirements of agency Telework standards
- Comply with agency Internet Acceptable Use Policy & Standards
- Complete annual information security/privacy training

Telework Standards

➤ Applicability

- All users who access state information infrastructure through public networks

➤ Decision factor

- Should State agencies allow users to initiate network connections to state infrastructure via personally owned and configured equipment?
 - Key issue: ability to secure personal computer and enforce compliance with agency security requirements

➤ Key Requirements

- Maintain secure configuration of connecting device
- Establish secure network connections
- Secure application configuration on remote computer

➤ Key Source

- NIST SP 800-114

IT Requirements

- Secure Network Connections for Remote Access
- Configuration/Encryption of Telework Computers
- Maintenance of Computers and Software
- User Account Passwords/2 Factor Authentication
- Security Maintenance and Monitoring
- Secure Application Configurations
- Securing Wired and Wireless Home Networks
- Training of Telework Users

For policies and standards, see the Office of Information Security and Privacy Protection website here: <http://www.oispp.ca.gov/>

See the OISPP “Telework Security Considerations” Information Sheet here: http://www.oispp.ca.gov/government/documents/pdf/Information%20_Sheet_6_TeleWork_Security_Considerations_Nov_2008.pdf