

MANAGEMENT MEMO

	NUMBER: MM 08-11
SUBJECT: SAFEGUARDING AGAINST AND RESPONDING TO A BREACH OF SECURITY INVOLVING PERSONAL INFORMATION	DATE ISSUED: NOVEMBER 6, 2008 EXPIRES: UNTIL RESCINDED
REFERENCES: CALIFORNIA INFORMATION PRACTICES ACT OF 1977 (CIVIL CODE SECTIONS 1798 ET. SEQ); STATE ADMINISTRATIVE MANUAL (SAM) SECTIONS 5100 AND 5300 THROUGH 5399	ISSUING AGENCY: OFFICE OF INFORMATION SECURITY AND PRIVACY PROTECTION

BACKGROUND AND PURPOSE

Government Code section 11549.3 charges the Office of Information Security and Privacy Protection (OISPP) with responsibility for the creation, updating, and publishing of information security and privacy policies, standards, and procedures directing state agencies to effectively manage security and risk for information and information technology (as defined).

The purpose of this Management Memo (Memo) is to announce a new policy requirement and procedural directive related to a state agency's response to a breach of security involving personal information. It also serves to reinforce state agency responsibilities under existing law and state policy for safeguarding personal information collected, used, maintained, and/or held in custodianship in conjunction with the administration of state programs and services, and to clarify existing security incident management policies and procedures.

Safeguarding against and preventing security breaches involving personal information is essential to maintaining the public's trust in government. Failure to protect personal information can place people in jeopardy in a variety of ways, including identity theft, damage to reputation, and physical injury.

While ultimate responsibility rests with agency heads, every employee plays a role in the protection of personal information. This Memo should receive the widest possible distribution within state agencies, and each organization and individual must understand their specific responsibilities for implementing and complying with information security and privacy requirements and procedures.

GENERAL POLICY

Longstanding policies articulated in State Administrative Manual (SAM) and law, including but not limited to SAM Sections 5100 and 5300 through 5399, and the California Information Practices Act (IPA) of 1977 (Civil Code sections 1798 et seq.), require all state agencies to establish:

- Ongoing data inventory and classification procedures for all records held by the agency. (SAM section 5320.5 and Chapter 1600).
- Administrative, technical, and physical safeguards to appropriately ensure the security (confidentiality, integrity, and availability) of those records and to protect against anticipated threats or hazards that could result in any injury. (SAM sections 5310 and 5325, and Civil Code section 1798.21).
- Rules of conduct for any person involved in the design, development, operation, use, disclosure, maintenance, and destruction of records

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containing personal information. (Management Memo 06-12, SAM sections 5310 and 5325, and Civil Code section 1798.20).

- Ongoing training and instruction to any persons involved in the design, development, operation, use, disclosure, maintenance, and destruction of records containing personal information about the rules and consequences of noncompliance. (SAM section 5325 and Civil Code section 1798.20).
- Encryption of portable computing devices and media that contain confidential, personal and sensitive information. (SAM section 5345.2)
- Use of the American National Standards Institute (ANSI) management information standards and the Federal Information Processing Standards (FIPS) in their information management planning and operations. (SAM section 5100). The ANSI standards are national consensus standards that provide guidance on a variety of issues central to the public and industrial sectors. Under the Information Technology Management Reform Act (Public Law 104-106), the Secretary of Commerce approves standards and guidelines that are developed by the National Institute of Standards and Technology (NIST) for Federal computer systems. These standards and guidelines are issued by NIST as FIPS for use government-wide. NIST develops FIPS when there are compelling Federal government requirements such as for security and interoperability and there are no acceptable industry standards or solutions. Guidance documents and requirements for implementing these standards include, without limitation, those related to the [validation of cryptographic modules](#) found in encryption products used for the protection of confidential, personal, or sensitive information.
- A process to ensure individuals are notified when a security breach involving their personal information has occurred. (SAM section 5350.3 and Civil Code section 1798.29).

PERSONAL INFORMATION DEFINED

The IPA broadly defines personal information in Civil Code section 1798.3 as "any information that is maintained by the agency that identifies or describes an individual, including, but not limited to, his or her name, social security number, physical description, home address, home telephone number, education, financial matters, and medical or employment history. It includes statements made by or attributed to, the individual."

For purposes of both the legal and state policy breach notification requirements, the subset of personal information as defined in Civil Code section 1798.29, subsections (e) through (f) is used and hereinafter referred to as "notice-triggering" information.

EXISTING SAFEGUARD REQUIREMENTS

The following are particularly important requirements within the existing legal and policy framework that state agencies should already have implemented to safeguard personal information:

1. Rules and Controls Limiting Access. Agencies must ensure that their access control policies and practices support the principle of "least privilege" and appropriate segregation of duties. Least privilege refers to the granting of employee access to personal information or systems based

on a legitimate business need to access the information in the performance of their job duties (refer to [Chapter 16, of NIST SP-800-12, An Introduction to Computer Security](#)). Agencies must also implement controls to detect and deter misuse, unauthorized access, or access that exceeds the limits of an employee's authorized access. For example, an employee may, by virtue of his or her job-related duties, have access to all records in a particular database or system, including records that may be held by the agency about those personally known to him or her (e.g., friends, family members, neighbors, etc.). However, that employee should not access those records unless specifically assigned a job-related duty in support of the processing or handling of such records. Agencies must also employ, to the extent practical, technical controls to automate compliance with these requirements. (SAM sections 5100, 5335.1, 5335.2, 5340, and 20050).

2. Employee Training. **Before** permitting access to agency information and information systems, agencies must train all employees (including managers and contracted staff) about their privacy and security responsibilities. Supervisors must also be trained about their role and responsibilities for providing day-to-day instruction, training and supervision of staff regarding their obligation to safeguard personal information. Thereafter, agencies must train employees at least once annually to ensure employees continue to understand their responsibilities. Additional or advanced training should also be provided commensurate with increased responsibilities or changes in duties. Both initial and refresher training must cover acceptable rules of behavior and the consequences when rules are not followed. For agencies implementing telecommuting or telework, and other authorized remote access programs, training must include the rules of such programs. (SAM section 5325 and Civil Code section 1798.20).
3. Signed Acknowledgements. Agencies must ensure that all individuals with authorized access to personal information sign an acknowledgement at least once each year to demonstrate both their receipt of the rules and requisite training, as well as their understanding of the consequences for failure to follow the rules. (SAM section 5325).
4. Written Agreements with Third Parties. Agencies must ensure that when personal information is shared with third parties, it is either specifically permitted or required by law and that a written agreement is executed between the parties. The written agreement is to identify the applicable Federal and state laws, as well as all departmental policies, standards, procedures, and security controls that must be implemented and followed by the third party to adequately protect the information. The agreement must also require the third party, and any of its sub-contractors with whom they are authorized to share the data, to share only the minimum personal information necessary, to securely return or destroy the personal information upon expiration of the contract, and to provide immediate notification to the state agency, and to individuals when appropriate, whenever there is a breach of personal information. (SAM sections 5310 and 5320.3, and Civil Code section 1798.19).
5. Encryption. Agencies must encrypt all confidential, personal, or sensitive data on mobile devices or media whenever that type of information is

authorized for use on such devices or media, using only NIST certified cryptographic modules (FIPS 140-2 validated products). (SAM sections 5100 and 5345.2).

6. Review and Reduce Current Personal Information Holdings. Agencies must review current holdings of all records containing personal information and ensure to the maximum extent practical, such holdings are reduced to the minimum necessary for the proper performance of a documented agency function. (Civil Code section 1798.14).
7. Review Current Forms and Other Methods of Personal Information Collection. Agencies must review all current forms, paper, and any other methods (e.g., online or telephony) used to collect personal information, to ensure the specific authority or authorization to collect such information exists, and appropriate notice is included on or with any such forms. (Civil Code section 1798.17).
8. Eliminate Unnecessary Collection and Use. When in the course of such reviews, the collection of personal information is no longer necessary for an authorized business purpose, agencies shall ensure that its collection is discontinued, and that the forms or any other methods used to collect this information are properly retired, revised, or replaced. (Civil Code section 1798.14).
9. Explore Alternatives to the Use of Social Security Numbers. Many recently enacted privacy laws prohibit the use of Social Security numbers as personal identifiers in state systems, or specifically require truncation when they must be used. All state agencies should participate in government-wide efforts to explore alternatives to the use of Social Security numbers as a personal identifier for both recipients of state programs and services, and state employees. (Civil Code sections 1798.14 and 1798.85).
10. Review Internal Controls to Safeguard Personal Information. Agencies must ensure that their risk management practices and ongoing assessments and reviews include evaluations of the adequacy of controls implemented to safeguard personal information held by the agency, and its contractors, and its other custodians with whom data may be shared. Internal controls include "Information Technology" controls, as well as administrative controls. (SAM sections 5305 to 5305.2). Further, in accordance with the California Financial Integrity and State Manager's Accountability Act (FISMA) of 1983 (Government Code Sections 13400 through 13407), "internal accounting and administrative controls are the methods through which reasonable assurances can be given that measures adopted by state agency heads to safeguard assets, check accuracy and reliability of accounting data, promote operational efficiency, and encourage adherence to prescribed managerial policies are being followed." To ensure the state FISMA requirements are fully complied with, the head of each state agency must conduct an internal review and report on the adequacy of its internal controls by December 31, of each odd numbered year to the Legislature, the State Auditor, the Governor, the Director of the Department of Finance, and the State Library. (SAM section 20060). An agency's review of personal information holdings, personal information collection methods, and internal controls to

safeguard personal information may be completed in conjunction with the agency's biennial FISMA review.

EXISTING INCIDENT MANAGEMENT AND BREACH RESPONSE REQUIREMENTS

Existing state law and state policy require agencies to carry out the following incident management and breach response responsibilities:

1. Promptly investigate incidents involving the improper dissemination of information, or the loss, damage, or misuse of information assets. Incident management includes the formulation and adoption of an incident management plan that provides for the timely assembly of appropriate staff and their response to, reporting on, and recovery from a variety of incidents. Incident management also includes the application of lessons learned, and the determination of, and implementation of appropriate corrective actions to prevent or mitigate the risk of similar occurrences. (SAM sections 5350 and 8643).
2. Immediately report any security incident, including any breach of personal information as defined by Civil Code Section 1798.3 (includes non notice-triggering personal information) to the California Highway Patrol's Emergency Notification and Tactical Alert Center (ENTAC) at (916) 657-8287. (SAM sections 5350.2 and 8643, and Government Code section 14613.7).
3. Notify individuals when a breach of their personal information was, or is reasonably believed to have been acquired by an unauthorized person. Civil Code section 1798.29, sub-sections (e) through (f) specifically require notification to individuals in breaches of unencrypted computerized personal information of a specified type (which is referred to as "notice-triggering" information). Notice-triggering information includes the first name or first initial and last name in combination with any one or more of the following data elements:
 - a. Social Security number.
 - b. Driver's license number or California Identification Card number.
 - c. Account number, credit or debit card number, in combination with any required security code, access code, or password that would permit access to an individual's financial account.
 - d. Medical information (as defined).
 - e. Health insurance information (as defined).

While Civil Code section 1798.29 focuses on computerized data elements, the current state policy requires notification when a breach of an individual's personal information involves these same "notice-triggering" data elements or otherwise exposes individuals to substantial risk of harm, regardless of the data medium. (SAM section 5350.3).

4. Prepare and submit a written follow-up Agency Security Incident Report (SIMM 65C form) to OISPP, within ten (10) business days from the date of initial reporting to ENTAC, that describes what occurred, what steps or actions were taken to mitigate the risk of recurrence, and the cost associated with both the incident and any corrective action. (SAM sections 5350.3 and 5360.1).

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NEW BREACH RESPONSE REQUIREMENTS AND PROCEDURAL DIRECTIVE

Effective immediately, any breach notification issued by a state agency, or the agency's contractor or custodian, in conjunction with a breach of state owned information assets must be submitted to OISPP for review and approval prior to its dissemination or release to affected individual(s). This process will help ensure consistency and clarity of notifications, as well as the accuracy of the privacy protection procedures and instructions provided in the notification.

While the decision to notify individuals ultimately rests with agency heads; when a breach occurs, agencies must seek guidance from, and consult with, the OISPP, as well as the agency's Legal Office, Information Security Officer and Privacy Officer/Coordinator regarding the means by which individuals will be notified.

In support of this policy, and to ensure state agencies understand their responsibilities for making notification to individuals affected by a breach, OISPP has also issued a new State Information Management Manual (SIMM) document as a procedural directive, entitled *SIMM 65D-Personal Information Breach Notification: Requirements and Decision-Making Criteria for State Agencies*. This document outlines the current breach notification requirements; the requirements for developing a protocol for internal notifications; identifies decision making criteria that must be included in a decision making procedure; and, provides a comprehensive checklist and notification templates to assist state agencies with response to a breach of personal information.

ROLES AND RESPONSIBILITIES

All state agencies and their employees, including contractors, state data custodians, and volunteer service workers, are required to adhere to these policies. Furthermore, state agencies are required to acknowledge the extent to which they are meeting these requirements in their Agency Risk Management and Privacy Program Certification, submitted annually to the OISPP. (SAM sections 5300.3, 5315.1, 5320 through 5320.4, and 5360.1).

"Agencies" includes all state agencies, departments, offices, boards, commissions, institutions, and special organizational entities unless otherwise specifically exempted by law or state policy reference. (SAM section 5300.2).

SAM AND SIMM UPDATES

Changes to the SAM will be forthcoming and will appear in the next update of the SAM. To see the substance of this policy change, you may refer to the following described documents on the OISPP Web site at: www.infosecurity.ca.gov:

1. Advance Copy of Changes to State Administrative Manual sections 5320.2, 5320.3, 5320.5, 5350, and 5350.4
2. SIMM 65D-Security Breach Involving Personal Information: Requirements and Decision Making Criteria for State Agencies

QUESTIONS

Questions regarding this Memo and related documents may be directed to OISPP at (916) 445-5239 or by email at Security@oispp.ca.gov

SIGNATURE

Original signed by Michael Saragoza, Undersecretary
For Rosario Marin, Secretary

Rosario Marin, Secretary
State and Consumer Services Agency