

Exhibit D

Information Confidentiality and Security Requirements

1. **Definitions.** For purposes of this Exhibit, the following definitions shall apply:
 - A. **Public Information:** Information that is not exempt from disclosure under the provisions of the California Public Records Act (Government Code sections 6250-6265) or other applicable state or federal laws.
 - B. **Confidential Information:** Information that is exempt from disclosure under the provisions of the California Public Records Act (Government Code sections 6250-6265) or other applicable state or federal laws.
 - C. **Sensitive Information:** Information that requires special precautions to protect from unauthorized use, access, disclosure, modification, loss, or deletion. Sensitive Information may be either Public Information or Confidential Information. It is information that requires a higher than normal assurance of accuracy and completeness. Thus, the key factor for Sensitive Information is that of integrity. Typically, Sensitive Information includes records of agency financial transactions and regulatory actions.
 - D. **Personal Information:** Information that identifies or describes an individual, including, but not limited to, their name, social security number, physical description, home address, home telephone number, education, financial matters, and medical or employment history. **It is DHCS' policy to consider all information about individuals private unless such information is determined to be a public record.** This information must be protected from inappropriate access, use, or disclosure and must be made accessible to data subjects upon request. Personal Information includes the following:

Notice-triggering Personal Information: Specific items of personal information (name plus Social Security number, driver license/California identification card number, or financial account number) that may trigger a requirement to notify individuals if it is acquired by an unauthorized person. For purposes of this provision, identity shall include, but not be limited to name, identifying number, symbol, or other identifying particular assigned to the individual, such as finger or voice print or a photograph. See Civil Code sections 1798.29 and 1798.82.
2. **Nondisclosure.** The Contractor and its employees, agents, or subcontractors shall protect from unauthorized disclosure any Personal Information, Sensitive Information, or Confidential Information (hereinafter identified as PSCI).
3. The Contractor and its employees, agents, or subcontractors shall not use any PSCI for any purpose other than carrying out the Contractor's obligations under this Agreement.
4. The Contractor and its employees, agents, or subcontractors shall promptly transmit to the DHCS Program Contract Manager all requests for disclosure of any PSCI not emanating from the person who is the subject of PSCI.
5. The Contractor shall not disclose, except as otherwise specifically permitted by this Agreement or authorized by the person who is the subject of PSCI, any PSCI to anyone other than DHCS without prior written authorization from the DHCS Program Contract Manager, except if disclosure is required by State or Federal law.

Exhibit D
Information Confidentiality and Security Requirements

6. The Contractor shall observe the following requirements:

A. Safeguards. The Contractor shall implement administrative, physical, and technical safeguards that reasonably and appropriately protect the confidentiality, integrity, and availability of the PSCI, including electronic PSCI that it creates, receives, maintains, uses, or transmits on behalf of DHCS. Contractor shall develop and maintain a written information privacy and security program that includes administrative, technical and physical safeguards appropriate to the size and complexity of the Contractor's operations and the nature and scope of its activities, including at a minimum the following safeguards:

1) Personnel Controls

- a. Employee Training.** All workforce members who assist in the performance of functions or activities on behalf of DHCS, or access or disclose DHCS PSCI, must complete information privacy and security training, at least annually, at Business Associate's expense. Each workforce member who receives information privacy and security training must sign a certification, indicating the member's name and the date on which the training was completed. These certifications must be retained for a period of six (6) years following contract termination.
- b. Employee Discipline.** Appropriate sanctions must be applied against workforce members who fail to comply with privacy policies and procedures or any provisions of these requirements, including termination of employment where appropriate.
- c. Confidentiality Statement.** All persons that will be working with DHCS PHI or PI must sign a confidentiality statement that includes, at a minimum, General Use, Security and Privacy Safeguards, Unacceptable Use, and Enforcement Policies. The statement must be signed by the workforce member prior to access to DHCS PHI or PI. The statement must be renewed annually. The Contractor shall retain each person's written confidentiality statement for DHCS inspection for a period of six (6) years following contract termination.
- d. Background Check.** Before a member of the workforce may access DHCS PHI or PI, a thorough background check of that worker must be conducted, with evaluation of the results to assure that there is no indication that the worker may present a risk to the security or integrity of confidential data or a risk for theft or misuse of confidential data. The Contractor shall retain each workforce member's background check documentation for a period of three (3) years following contract termination.

2) Technical Security Controls

- a. Workstation/Laptop encryption.** All workstations and laptops that process and/or store DHCS PHI or PI must be encrypted using a FIPS 140-2 certified algorithm which is 128bit or higher, such as Advanced Encryption Standard (AES). The encryption solution must be full disk unless approved by the DHCS Information Security Office.
- b. Server Security.** Servers containing unencrypted DHCS PHI or PI must have sufficient administrative, physical, and technical controls in place to protect that data, based upon a risk assessment/system security review.

Exhibit D

Information Confidentiality and Security Requirements

- c. **Minimum Necessary.** Only the minimum necessary amount of DHCS PHI or PI required to perform necessary business functions may be copied, downloaded, or exported.
- d. **Removable media devices.** All electronic files that contain DHCS PHI or PI data must be encrypted when stored on any removable media or portable device (i.e. USB thumb drives, floppies, CD/DVD, smartphones, backup tapes etc.). Encryption must be a FIPS 140-2 certified algorithm which is 128bit or higher, such as AES.
- e. **Antivirus software.** All workstations, laptops and other systems that process and/or store DHCS PHI or PI must install and actively use comprehensive anti-virus software solution with automatic updates scheduled at least daily.
- f. **Patch Management.** All workstations, laptops and other systems that process and/or store DHCS PHI or PI must have critical security patches applied, with system reboot if necessary. There must be a documented patch management process which determines installation timeframe based on risk assessment and vendor recommendations. At a maximum, all applicable patches must be installed within 30 days of vendor release.
- g. **User IDs and Password Controls.** All users must be issued a unique user name for accessing DHCS PHI or PI. Username must be promptly disabled, deleted, or the password changed upon the transfer or termination of an employee with knowledge of the password, at maximum within 24 hours. Passwords are not to be shared. Passwords must be at least eight characters and must be a non-dictionary word. Passwords must not be stored in readable format on the computer. Passwords must be changed every 90 days, preferably every 60 days. Passwords must be changed if revealed or compromised. Passwords must be composed of characters from at least three of the following four groups from the standard keyboard:
- Upper case letters (A-Z)
 - Lower case letters (a-z)
 - Arabic numerals (0-9)
 - Non-alphanumeric characters (punctuation symbols)
- h. **Data Destruction.** When no longer needed, all DHCS PHI or PI must be cleared, purged, or destroyed consistent with NIST Special Publication 800-88, Guidelines for Media Sanitization such that the PHI or PI cannot be retrieved.
- i. **System Timeout.** The system providing access to DHCS PHI or PI must provide an automatic timeout, requiring re-authentication of the user session after no more than 20 minutes of inactivity.
- j. **Warning Banners.** All systems providing access to DHCS PHI or PI must display a warning banner stating that data is confidential, systems are logged, and system use is for business purposes only by authorized users. User must be directed to log off the system if they do not agree with these requirements.
- k. **System Logging.** The system must maintain an automated audit trail which can identify the user or system process which initiates a request for DHCS PHI or PI, or which alters DHCS PHI or PI. The audit trail must be date and time stamped, must log both successful and failed accesses, must be read only, and must be restricted to authorized users. If

Exhibit D**Information Confidentiality and Security Requirements**

DHCS PHI or PI is stored in a database, database logging functionality must be enabled. Audit trail data must be archived for at least 3 years after occurrence.

- l. Access Controls.** The system providing access to DHCS PHI or PI must use role based access controls for all user authentications, enforcing the principle of least privilege.
- m. Transmission encryption.** All data transmissions of DHCS PHI or PI outside the secure internal network must be encrypted using a FIPS 140-2 certified algorithm which is 128bit or higher, such as AES. Encryption can be end to end at the network level, or the data files containing PHI can be encrypted. This requirement pertains to any type of PHI or PI in motion such as website access, file transfer, and E-Mail.
- n. Intrusion Detection.** All systems involved in accessing, holding, transporting, and protecting DHCS PHI or PI that are accessible via the Internet must be protected by a comprehensive intrusion detection and prevention solution.

3) Audit Controls

- a. System Security Review.** All systems processing and/or storing DHCS PHI or PI must have at least an annual system risk assessment/security review which provides assurance that administrative, physical, and technical controls are functioning effectively and providing adequate levels of protection. Reviews should include vulnerability scanning tools.
- b. Log Reviews.** All systems processing and/or storing DHCS PHI or PI must have a routine procedure in place to review system logs for unauthorized access.
- c. Change Control.** All systems processing and/or storing DHCS PHI or PI must have a documented change control procedure that ensures separation of duties and protects the confidentiality, integrity and availability of data.

4) Business Continuity / Disaster Recovery Controls

- a. Emergency Mode Operation Plan.** Contractor must establish a documented plan to enable continuation of critical business processes and protection of the security of electronic DHCS PHI or PI in the event of an emergency. Emergency means any circumstance or situation that causes normal computer operations to become unavailable for use in performing the work required under this Agreement for more than 24 hours.
- b. Data Backup Plan.** Contractor must have established documented procedures to backup DHCS PHI to maintain retrievable exact copies of DHCS PHI or PI. The plan must include a regular schedule for making backups, storing backups offsite, an inventory of backup media, and an estimate of the amount of time needed to restore DHCS PHI or PI should it be lost. At a minimum, the schedule must be a weekly full backup and monthly offsite storage of DHCS data.

5) Paper Document Controls

- a. Supervision of Data.** DHCS PHI or PI in paper form shall not be left unattended at any time, unless it is locked in a file cabinet, file room, desk or office. Unattended means that

Exhibit D

Information Confidentiality and Security Requirements

- information is not being observed by an employee authorized to access the information. DHCS PHI or PI in paper form shall not be left unattended at any time in vehicles or planes and shall not be checked in baggage on commercial airplanes.
- b. Escorting Visitors.** Visitors to areas where DHCS PHI or PI is contained shall be escorted and DHCS PHI or PI shall be kept out of sight while visitors are in the area.
 - c. Confidential Destruction.** DHCS PHI or PI must be disposed of through confidential means, such as cross cut shredding and pulverizing.
 - d. Removal of Data.** DHCS PHI or PI must not be removed from the premises of the Contractor except with express written permission of DHCS.
 - e. Faxing.** Faxes containing DHCS PHI or PI shall not be left unattended and fax machines shall be in secure areas. Faxes shall contain a confidentiality statement notifying persons receiving faxes in error to destroy them. Fax numbers shall be verified with the intended recipient before sending the fax.
 - f. Mailing.** Mailings of DHCS PHI or PI shall be sealed and secured from damage or inappropriate viewing of PHI or PI to the extent possible. Mailings which include 500 or more individually identifiable records of DHCS PHI or PI in a single package shall be sent using a tracked mailing method which includes verification of delivery and receipt, unless the prior written permission of DHCS to use another method is obtained.
- B. Security Officer.** The Contractor shall designate a Security Officer to oversee its data security program who will be responsible for carrying out its privacy and security programs and for communicating on security matters with DHCS.

Discovery and Notification of Breach. Notice to DHCS:

- (1) To notify DHCS **immediately** upon the discovery of a suspected security incident that involves data provided to DHCS by the Social Security Administration. This notification will be **by telephone call plus email or fax** upon the discovery of the breach. (2) To notify DHCS **within 24 hours by email or fax** of the discovery of unsecured PHI or PI in electronic media or in any other media if the PHI or PI was, or is reasonably believed to have been, accessed or acquired by an unauthorized person, any suspected security incident, intrusion or unauthorized access, use or disclosure of PHI or PI in violation of this Agreement and this Addendum, or potential loss of confidential data affecting this Agreement. A breach shall be treated as discovered by the contractor as of the first day on which the breach is known, or by exercising reasonable diligence would have been known, to any person (other than the person committing the breach) who is an employee, officer or other agent of the contractor..

Notice shall be provided to the DHCS Program Contract Manager, the DHCS Privacy Officer and the DHCS Information Security Officer. If the incident occurs after business hours or on a weekend or holiday and involves data provided to DHCS by the Social Security Administration, notice shall be provided by calling the DHCS EITS Service Desk. Notice shall be made using the "DHCS Privacy Incident Report" form, including all information known at the time. The contractor shall use the most current version of this form, which is posted on the DHCS Privacy Office website (www.dhcs.ca.gov), then select "Privacy" in the left column and then

Exhibit D

Information Confidentiality and Security Requirements

“Business Use” near the middle of the page) or use this link:
<http://www.dhcs.ca.gov/formsandpubs/laws/priv/Pages/DHCSBusinessAssociatesOnly.aspx>

- C. Upon discovery of a breach or suspected security incident, intrusion or unauthorized access, use or disclosure of PHI or PI, the Contractor shall take:
 - 1) Prompt corrective action to mitigate any risks or damages involved with the breach and to protect the operating environment and
 - 2) Any action pertaining to such unauthorized disclosure required by applicable Federal and State laws and regulations.

D. **Investigation of Breach.** The Contractor shall immediately investigate such security incident, breach, or unauthorized use or disclosure of PSCI. If the initial report did not include all of the requested information marked with an asterisk, then within seventy-two (72) hours of the discovery, The Contractor shall submit an updated “DHCS Privacy Incident Report” containing the information marked with an asterisk and all other applicable information listed on the form, to the extent known at that time, to the DHCS Program Contract Manager, the DHCS Privacy Officer, and the DHCS Information Security Officer:

E. **Written Report.** The Contractor shall provide a written report of the investigation to the DHCS Program Contract Manager, the DHCS Privacy Officer, and the DHCS Information Security Officer, if all of the required information was not included in the DHCS Privacy Incident Report, within ten (10) working days of the discovery of the breach or unauthorized use or disclosure. The report shall include, but not be limited to, the information specified above, as well as a full, detailed corrective action plan, including information on measures that were taken to halt and/or contain the improper use or disclosure.

F. **Notification of Individuals.** The Contractor shall notify individuals of the breach or unauthorized use or disclosure when notification is required under state or federal law and shall pay any costs of such notifications, as well as any costs associated with the breach. The DHCS Program Contract Manager, the DHCS Privacy Officer, and the DHCS Information Security Officer shall approve the time, manner and content of any such notifications.

7. **Affect on lower tier transactions.** The terms of this Exhibit shall apply to all contracts, subcontracts, and subawards, regardless of whether they are for the acquisition of services, goods, or commodities. The Contractor shall incorporate the contents of this Exhibit into each subcontract or subaward to its agents, subcontractors, or independent consultants.

8. **Contact Information.** To direct communications to the above referenced DHCS staff, the Contractor shall initiate contact as indicated herein. DHCS reserves the right to make changes to the contact information below by giving written notice to the Contractor. Said changes shall not require an amendment to this Exhibit or the Agreement to which it is incorporated.

DHCS Program Contract Manager	DHCS Privacy Officer	DHCS Information Security Officer
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Exhibit D

Information Confidentiality and Security Requirements

<p>See the Scope of Work exhibit for Program Contract Manager information</p>	<p>Privacy Officer c/o Office of Legal Services Department of Health Care Services P.O. Box 997413, MS 0011 Sacramento, CA 95899-7413</p> <p>Email: privacyofficer@dhcs.ca.gov</p> <p>Telephone: (916) 445-4646</p>	<p>Information Security Officer DHCS Information Security Office P.O. Box 997413, MS 6400 Sacramento, CA 95899-7413</p> <p>Email: iso@dhcs.ca.gov</p> <p>Telephone: ITSD Help Desk (916) 440-7000 or (800) 579-0874</p>
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9. **Audits and Inspections.** From time to time, DHCS may inspect the facilities, systems, books and records of the Contractor to monitor compliance with the safeguards required in the Information Confidentiality and Security Requirements (ICSR) exhibit. Contractor shall promptly remedy any violation of any provision of this ICSR exhibit. The fact that DHCS inspects, or fails to inspect, or has the right to inspect, Contractor’s facilities, systems and procedures does not relieve Contractor of its responsibility to comply with this ICSR exhibit.