## Exhibit A – Data Security Requirements[1]

1. **Definitions**. The words and phrases listed below, as used in this Exhibit, shall each have the following definitions:

   a. "Authorized User(s)" means an individual or individuals with an authorized business requirement to access DSHS Confidential Information.

   b. "Hardened Password" means a string of at least eight characters containing at least one alphabetic character, at least one number and at least one special character such as an asterisk, ampersand or exclamation point.

   c. "Unique User ID" means a string of characters that identifies a specific user and which, in conjunction with a password, passphrase or other mechanism, authenticates a user to an information system.

2. **Data Transport**. When transporting DSHS Confidential Information electronically, including via email, the Data will be protected by:

   a. Transporting the Data within the (State Governmental Network) SGN or Contractor's internal network, or;

   b. Encrypting any Data that will be in transit outside the SGN or Contractor's internal network. This includes transit over the public Internet.

3. **Protection of Data**. The Contractor agrees to store Data on one or more of the following media and protect the Data as described:

   a. **Hard disk drives**. Data stored on local workstation hard disks. Access to the Data will be restricted to Authorized User(s) by requiring logon to the local workstation using a Unique User ID and Hardened Password or other authentication mechanisms which provide equal or greater security, such as biometrics or smart cards.

   b. **Network server disks**. Data stored on hard disks mounted on network servers and made available through shared folders. Access to the Data will be restricted to Authorized Users through the use of access control lists which will grant access only after the Authorized User has authenticated to the network using a Unique User ID and Hardened Password or other authentication mechanisms which provide equal or greater security, such as biometrics or smart cards. Data on disks mounted to such servers must be located in an area which is accessible only to authorized personnel, with access controlled through use of a key, card key, combination lock, or comparable mechanism.

      For DSHS Confidential Information stored on these disks, deleting unneeded Data is sufficient as long as the disks remain in a Secured Area and otherwise meet the requirements listed in the above paragraph. Destruction of the Data as outlined in Section 5. Data Disposition may be deferred until the disks are retired, replaced, or otherwise taken out of the Secured Area.

   c. **Optical discs (CDs or DVDs) in local workstation optical disc drives**. Data provided by DSHS on optical discs which will be used in local workstation optical disc drives and which will not be transported out of a Secured Area. When not in use for the contracted purpose, such discs must be

[1] *This Data Security Requirements Exhibit replaces the prior Data Security Exhibit. Please see Summary of Changes to the DSHS Data Security Requirements Exhibit.*

locked in a drawer, cabinet or other container to which only Authorized Users have the key, combination or mechanism required to access the contents of the container. Workstations which access DSHS Data on optical discs must be located in an area which is accessible only to authorized personnel, with access controlled through use of a key, card key, combination lock, or comparable mechanism.

d. **Optical discs (CDs or DVDs) in drives or jukeboxes attached to servers.** Data provided by DSHS on optical discs which will be attached to network servers and which will not be transported out of a Secured Area. Access to Data on these discs will be restricted to Authorized Users through the use of access control lists which will grant access only after the Authorized User has authenticated to the network using a Unique User ID and Hardened Password or other authentication mechanisms which provide equal or greater security, such as biometrics or smart cards. Data on discs attached to such servers must be located in an area which is accessible only to authorized personnel, with access controlled through use of a key, card key, combination lock, or comparable mechanism.

e. **Paper documents.** Any paper records must be protected by storing the records in a Secured Area which is only accessible to authorized personnel. When not in use, such records must be stored in a locked container, such as a file cabinet, locking drawer, or safe, to which only authorized persons have access.

f. **Remote Access.** Access to and use of the Data over the State Governmental Network (SGN) or Secure Access Washington (SAW) will be controlled by DSHS staff who will issue authentication credentials (e.g. a Unique User ID and Hardened Password) to Authorized Users on Contractor staff. Contractor will notify DSHS staff immediately whenever an Authorized User in possession of such credentials is terminated or otherwise leaves the employ of the Contractor, and whenever an Authorized User's duties change such that the Authorized User no longer requires access to perform work for this Contract.

g. **Data storage on portable devices or media.**

(1) Except where otherwise specified herein, DSHS Data shall not be stored by the Contractor on portable devices or media unless specifically authorized within the terms and conditions of the Contract. If so authorized, the Data shall be given the following protections:

(a) Encrypt the Data with a key length of at least 128 bits

(b) Control access to devices with a Unique User ID and Hardened Password or stronger authentication method such as a physical token or biometrics.

(c) Manually lock devices whenever they are left unattended and set devices to lock automatically after a period of inactivity, if this feature is available. Maximum period of inactivity is 20 minutes.

Physically Secure the portable device(s) and/or media by

(d) Keeping them in locked storage when not in use

(e) Using check-in/check-out procedures when they are shared, and

(f) Taking frequent inventories

(2) When being transported outside of a Secured Area, portable devices and media with DSHS Confidential Information must be under the physical control of Contractor staff with authorization

to access the Data.

(3) Portable devices include, but are not limited to; smart phones, tablets, flash memory devices (e.g. USB flash drives, personal media players), portable hard disks, and laptop/notebook/netbook computers if those computers may be transported outside of a Secured Area.

(4) Portable media includes, but is not limited to; optical media (e.g. CDs, DVDs), magnetic media (e.g. floppy disks, tape), or flash media (e.g. CompactFlash, SD, MMC).

**h. Data stored for backup purposes.**

(1) DSHS data may be stored on portable media as part of a Contractor's existing, documented backup process for business continuity or disaster recovery purposes. Such storage is authorized until such time as that media would be reused during the course of normal backup operations. If backup media is retired while DSHS Confidential Information still exists upon it, such media will be destroyed at that time in accordance with the disposition requirements in Section 5. Data Disposition

(2) DSHS Data may be stored on non-portable media (e.g. Storage Area Network drives, virtual media, etc.) as part of a Contractor's existing, documented backup process for business continuity or disaster recovery purposes. If so, such media will be protected as otherwise described in this exhibit. If this media is retired while DSHS Confidential Information still exists upon it, the data will be destroyed at that time in accordance with the disposition requirements in Section 5. Data Disposition.

**4. Data Segregation.**

a. DSHS Data must be segregated or otherwise distinguishable from non-DSHS data. This is to ensure that when no longer needed by the Contractor, all DSHS Data can be identified for return or destruction. It also aids in determining whether DSHS Data has or may have been compromised in the event of a security breach. As such, one or more of the following methods will be used for data segregation.

b. DSHS Data will be kept on media (e.g. hard disk, optical disc, tape, etc.) which will contain no non-DSHS data. And/or,

c. DSHS Data will be stored in a logical container on electronic media, such as a partition or folder dedicated to DSHS Data. And/or,

d. DSHS Data will be stored in a database which will contain no non-DSHS data. And/or,

e. DSHS Data will be stored within a database and will be distinguishable from non-DSHS data by the value of a specific field or fields within database records.

f. When stored as physical paper documents, DSHS Data will be physically segregated from non-DSHS data in a drawer, folder, or other container.

g. When it is not feasible or practical to segregate DSHS Data from non-DSHS data, then both the DSHS Data and the non-DSHS data with which it is commingled must be protected as described in this exhibit.

5. **Data Disposition**. When the contracted work has been completed or when no longer needed, except as noted in Section 3. Protection of Data b. Network Server Disks above, Data shall be returned to DSHS or destroyed. Media on which Data may be stored and associated acceptable methods of destruction are as follows:

| Data stored on: | Will be destroyed by: |
|---|---|
| Server or workstation hard disks, or<br><br>Removable media (e.g. floppies, USB flash drives, portable hard disks) excluding optical discs | Using a "wipe" utility which will overwrite the Data at least three (3) times using either random or single character data, or<br><br>Degaussing sufficiently to ensure that the Data cannot be reconstructed, or<br><br>Physically destroying the disk |
| | |
| Paper documents with sensitive or Confidential Information. | Recycling through a contracted firm provided the contract with the recycler assures that the confidentiality of Data will be protected. |
| | |
| Paper documents containing Confidential Information requiring special handling (e.g. protected health information) | On-site shredding, pulping, or incineration |
| | |
| Optical discs (e.g. CDs or DVDs) | Incineration, shredding, or completely defacing the readable surface with a coarse abrasive |
| | |
| Magnetic tape | Degaussing, incinerating or crosscut shredding |

6. **Notification of Compromise or Potential Compromise**. The compromise or potential compromise of DSHS shared Data must be reported to the DSHS Contact designated in the Contract within one (1) business day of discovery. If no DSHS Contact is designated in the Contract, then the notification must be reported to the DSHS Privacy Officer at dshsprivacyofficer@dshs.wa.gov. Contractor must also take actions to mitigate the risk of loss and comply with any notification or other requirements imposed by law or DSHS.

7. **Data shared with Subcontractors**. If DSHS Data provided under this Contract is to be shared with a subcontractor, the Contract with the subcontractor must include all of the data security provisions within this Contract and within any amendments, attachments, or exhibits within this Contract. If the Contractor cannot protect the Data as articulated within this Contract, then the contract with the sub-Contractor must be submitted to the DSHS Contact specified for this contract for review and approval.