



Welcome to the Enterprise Architecture Technology Bricks

Enterprise Architecture (EA) allows CDCR to align our business needs with current and emerging technologies. The Enterprise Architecture Program within EIS develops and maintains CDCR IT standards to encourage this alignment. Technical standards establish a foundation for consistent computing and effective data management. The goal of the Enterprise Architecture Program is to promote technical standardization and cost-efficiency across the organization by acquiring IT products / technologies that are consistent with EA and IT security guidelines.

The Enterprise Architecture Program will achieve this by providing marketing and outreach to CDCR users enabling them to obtain information on standardized products and technologies which in turn, will ensure that acquired IT products and technologies comply with the standards and specification outlined in the Technology Bricks.

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Technology Standards



Anti-Virus, Spyware, and Malware Protection

Lead: Infrastructure Services – Final 01/27/10 IT Standards Meeting

See the Virus Protection Brick found in the CDCR Standards Reference List – Software

Application Methodology and Framework

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

A methodology is a set of systematic procedures, techniques and governing rules used to guide the efforts of design, development, and implementation of a system or software product. An example of this is the Software / Systems Development Life Cycle also known as SDLC.

An application framework is used to implement a standardized structure for an application or portion of an application for one or more specific environments. It provides common software routines as a foundational structure for building new applications. For example, object-oriented programming techniques using classes and components are typically used to create frameworks that provide for enforcement of programming methodologies and code re-use. Another example could be the use of application templates to provide pre-defined agreed upon structures for applications of specific types.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Methodology

- CDCR's Project Management Methodology (PMM)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Frameworks

- Business Process Execution Language (BPEL)
- Microsoft .Net Framework 2.0 (DECS)(LSTS)
- Microsoft ASP.NET AJAX
- Unified Modeling Language (UML) 2.0
- Yahoo! User Interface (YUI) Library

Methodology

- Data / Database Normalization
- Object-Oriented Programming (OOP)
- Project Management Body of Knowledge (PMBOK)
- Software / Systems Development Life Cycle (SDLC)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Frameworks

- Java J2EE-based Frameworks

Methodology

- Projects IN Controlled Environments 2 (PRINCE)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Application Report Tool

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

Tools used to develop preformatted reports within a software package being developed.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe ColdFusion Report Builder MX8 (CalParole)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Business Objects Crystal Reports
- Hewlett Packard Query
- IBM Cognos Powerhouse Quiz
- Microsoft Access Reporting
- Microsoft .NET Framework 1, 2, 3
- Microsoft SQL Query Analyzer
- Microsoft SQL Server Reporting Services 2005
- Oracle Reports
- SAS 9 (OISB)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe ColdFusion Report Builder MX7 (CalParole)
- Datawatch Monarch 7.0
- Microsoft SQL Server Reporting Services 2000



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Application Tools and Utilities

Lead: Application Maintenance and Support - Final 01/27/10 IT Standards Meeting

Tools and utilities are the general tools used by application developers.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Hewlett Packard Mercury Software Suite 9.5 (EIS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard Mercury Software Suite 8.0 (EIS)
- Microsoft SQL Server Tools & Utilities 2005
- Microsoft SQL Reporting Services 2005
- Microsoft SQL Analysis Services 2005
- Quest Tool for Oracle Application Developer (TOAD) 9.6.1.1



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- BCS Advance Capture (DORMS)
- BCS BulkImport (DORMS)
- BCS KOFAX Ascent Capture (DORMS)
- Microsoft SQL Analysis Services 2000
- Microsoft SQL Reporting Services 2000
- Microsoft SQL Server Mobile Developer Tools
- Microsoft SQL Server Tools & Utilities 2000
- Quest Tool for Oracle Application Developer (TOAD) 8.6, 9.0, 9.1
- TurboPower Abbrevia



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Asset Management Tool

Lead: Customer Service and Client Support - Final 01/27/10 IT Standards Meeting

Asset management encompasses the monitoring, tracking and accounting of the IT environment. This includes accounting for all hardware and software accessible to the network. This may also include software metering, which tracks the number of floating licenses being used at any particular time for an organization's software packages.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Symantec Altiris Asset Management Solution



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Business Information Systems (BIS)
- iInventory (CDCR site license exist)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Absolute Computrace
- Alchemy Lab Asset Tracker for Networks
- BMC Marimba
- BMC Remedy 7.0
- Dorado Red Cell
- Hewlett-Packard Survey Utility
- Microsoft Excel
- Microsoft Software Inventory Analyzer 4.0
- Microsoft Systems Management Server (SMS)
- Standard Automated Preventative Maintenance System (SAPMS)
- WASP



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Net Census
- Numera Software Track-It!



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Computer Associates Unicenter

Auditing Tool

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Auditing tools identify anomalies within information systems caused by user error, program error, and fraud. These specialized programs can perform a variety of audit functions, such as sampling databases and generating confirmation letters to customers. It can highlight exceptions to categories of data and alert the examiner to possible error. Audit software often includes a non-procedural language that lets the auditor describe the computer and data environment without detailed programming.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- McAfee Foundstone (EIS)
- NetPro Change Auditor (EIS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Technology not identified at this time



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Authentication / Authorization

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Authentication is a process for verifying the identity of an object or person. When you authenticate an object, the goal is to verify that the object is genuine. When you authenticate a person, the goal is to verify that you are not dealing with an imposter. Similarly, in a networking context, authentication is the act of proving identity to a network application or resource. Many of the technologies used for authentication work in combination with others and may also be identified in other Standard Bricks. Typically, identity can be proven by a cryptographic operation that uses either a key only the user knows — as with public key cryptography — or a shared key. The server side of the authentication exchange compares the signed data with a known cryptographic key to validate the authentication attempt through the use of various protocols.

Authorization is the concept of allowing access only to permitted resources. Authorization is normally a process within the Operating System that protects service and resources by only allowing to resource consumers who have been granted permissions.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Simple Network Management Protocol (SNMP) 3



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Microsoft Active Directory Services

- Kerberos 5
- Digest – MD5
- Negotiate
- Challenge Handshake Authentication Protocol (CHAP)
- Lightweight Directory Access Protocol (LDAP)

HTTP

- Basic Authentication
- Digest
- Integrated Windows Authentication
- Secure Sockets Layer/Transport Layer Security (SSL/TLS)
- Public Keys Certificates
- Forms-Based Authentication

Single Sign On (Federated Services)

- Simple and Protected Generic Security Services Application Program Interface (GSSAPI) Negotiation Mechanism (SPNEGO) (BIS)

Network Management

- Terminal Access Control Authentication Control Server (TACACS)
- Simple Network Management Protocol (SNMP) 2



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Microsoft Active Directory Services

- NTLM
- Password Authentication Protocol (PAP)
- Shiva PAP (SPAP)
- Data Encryption Standard (DES)

Network Management

- Telecommunication Network (Telnet)

Novell Directory Services

- ZENworks
 - Lightweight Directory Access Protocol (LDAP)

UNIX

- Network Information Service (NIS)

MPE / iX

- VeSoft Security/3000

System Network Architecture Systems(SNA)

- Remote Access Control Facility (RACF) (OBIS)

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Authentication / Authorization

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Note: [Continued from previous page](#)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

UNIX

- Kerberos 5 (BIS)
- Simple and Protected Generic Security Services Application Program Interface (GSSAPI) Negotiation Mechanism (SPNEGO) (BIS)
- Network File System (NFS)

Wireless 802.1x

- Remote Authentication Dial In User Service (RADIUS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- SKID 2, 3

Backup, Recovery, and Archiving

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Backup and recovery is the copying of data, programs, and software files to separate media (tape, disk, etc) for the purposes of having the ability to restore these files in the event of media failure, user error, or a disaster. Archiving is copying unused data to less expensive storage media that must be retained under information and record retention policies, freeing production storage space.

This technology is not appropriate for inmate, ward, or parolee access..



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft Systems Data Protection Manager 2006
- Microsoft Windows Backup Utility 5.1
- Oracle Recovery Manager
- Symantec VERITAS Client
- Symantec Backup Exec 12.0
- Symantec NetBackup 6.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- CMS BounceBack Express
- Dantz Retrospect
- EMC / Legato NetWorker (ParoleLeads)
- Hewlett Packard Fbackup 9 (UNIX)
- Hewlett Packard TurboSTORE
- Symantec Backup Exec (Older Versions)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Business Intelligence

Lead: Project Management Office - Final 04/08/09 IT Standards Meeting

Business intelligence (BI) refers to technologies, applications and practices for the collection, integration, analysis, and presentation of business information and sometimes to the information itself. The purpose of business intelligence--a term that dates at least to 1958--is to support better business decision making. Thus, BI is also described as a decision support system (DSS).

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- SAS Enterprise Business Intelligence Server (OISB, DARS, CPHCS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- IBM Cognos 8 (BIS)
- Microsoft SQL Server 2005 Analysis Services



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft PerformancePoint 2007 (Compstat)
- SAP Business Intelligence (BIS)
- SAS 9 (OISB)
- Statistical Package for the Social Sciences (SPSS) (Juvenile Research Branch)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Change / Version Control

Lead: Application Maintenance and Support - Final 01/27/10 IT Standards Meeting

These are developer oriented tools for the management of source code, bitmaps, documents and related files in a large software project. Version-control tools provide a database that is used to keep track of the revisions made to a program by all the programmers and developers involved in it.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- BMC Remedy 7
- Hewlett Packard Software Revision Controller (SRC)
- Microsoft Office SharePoint Services 2007 (Document Management)
- Microsoft Visual Source Safe 2003



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft Visual Source Safe 6.0



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Communication / Collaboration

Lead: Project Management Office - Final 04/08/09 IT Standards Meeting

This brick is for tools and software that enable message communication between users and / or the sharing of data interactively among several users in different locations. Document sharing tools usually encompass whiteboards and application sharing. A whiteboard is the electronic equivalent of the chalkboard or flip chart. Participants at different locations simultaneously write and draw on an on-screen notepad viewed by everyone. Application sharing is the same as remote control software, in which multiple participants can interactively work in an application that is loaded on only one user's machine. Application viewing is similar to application sharing; however, although all users can see the document, only one person can actually edit it. Collaboration tools typically include chat functionality, however whiteboards and application sharing are often used in conjunction with an audio or videoconferencing connection.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft Exchange 2007
- Microsoft Office SharePoint Services 2007 Wiki (EIS)
- DTS Microsoft Exchange 2007 (CDCR & CPHCS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

Enterprise Email

- Microsoft Outlook 2007 (CDCR)

Web Collaboration

- Microsoft Office Communications Server 2007 r2 (EIS)
 - Live Office 2007
 - Office Communicator 2007
- Cisco WebEx H.323 (EIS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Enterprise Portal

- Microsoft Office SharePoint Services 2007

Enterprise Email

- Microsoft Exchange 2003 SP2
- Microsoft Outlook 2003
- Microsoft Outlook Web Access

Handheld Devices

- Blackberry Enterprise Server

Web Collaboration

- Microsoft Office Live Meeting 2007 H.323
 - Live Office 2007
 - Office Communicator 2007



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Handheld Devices

- Goodlink



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

Enterprise Email

- Novell GroupWise Email



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Computer Software (Miscellaneous)

Lead: Customer Service and Client Support - Final 08/07/08 IT Standards Meeting

Desktop software at the most basic level provides end-user software that enables personal productivity. More inclusive packages may include publishing, database, diagramming / modeling, project management, and / or web development capabilities.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Microsoft InfoPath 2007 (EIS / PMO)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Organization Charts / Drawing

- Corel Draw
- Microsoft Visio 2003 Standard (Basic Office Functionality)
- Microsoft Visio 2003 Professional (Architecture/Engineering/Facilities and IT Functionality)

Form Creation

- Adobe Acrobat Professional 9.0
- Adobe PageMaker
- Microsoft InfoPath 2003

CAD Software

- Autodesk AutoCAD Revit Architecture 2009 (Institution Plant Operations)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Acrobat Professional 8.0



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Computer Software (Network)

Lead: Customer Service and Client Support – Final 01/27/10 IT Standards Meeting

Computer software at the most basic level provides end-user the ability to perform their daily business functions. More inclusive packages may include publishing, database, diagramming/ modeling, project management, and/or web development capabilities.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- McAfee Total Protection Enterprise Advanced
- McAfee Total Protection Data
- Microsoft Internet Explorer 8.0



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe Reader 9.0 (EIS)
- Microsoft Internet Explorer 7.0 (CDCR)
- Microsoft Office 2007 (CDCR)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Required for new computers (not replacements)

- Absolute Computrace
- Adobe Reader 8.0 (previous versions may be necessary for some application uses)
- Adobe Flash Player 10.0.12.87
- Adobe Shockwave Player 11
- BMC Remedy User 7
- Ghost 11.x
- Intervideo WinDVD
- Java Virtual Machine 6 update 13
- Java Virtual Machine 1.6.2 (BIS & DORMS)
- McAfee Enterprise Policy Orchestrator (ePO) 4.0
- Microsoft Internet Explorer 6.0
- Microsoft Office 2003 (Access, Excel, Outlook, PowerPoint, Word)
- Microsoft SMS Client
- Microsoft Windows Media Encoder 9
- Microsoft Windows Media Player
- Microsoft Windows XP Professional w/ Client
- Network Associates Virus Scan 8.5.i Enterprise
- Roxio Media Player 9 (Hewlett Packard)
- Verdiem



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Flash Player 8.x, 9.x, 10.0.12.36
- Ghost 2.0
- Microsoft FrontPage
- Microsoft OneNote
- Microsoft Windows 2000 (CalParole)
- Nero

Note: [Continued on next page](#)



Computer Software (Network) continued

Lead: Customer Service and Client Support – Final 01/27/10 IT Standards Meeting

Note: [Continued from previous page](#)

This technology is not appropriate for inmate, ward, or parolee access.



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Optional

- Attachmate Extreme 9.0
- IBM Personal Communication (YA Network only)
- Microsoft .Net Framework 2.0, 3.x
- SDI TN3270 Plus (BPH Network Only)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- iTunes (with Internet)
- Microsoft Windows Vista

Computer Software (Stand Alone)

Lead: Customer Service and Client Support – Final IT Standards Manual

Desktop software at the most basic level provides end-user software that enables personal productivity. More inclusive packages may include publishing, database, diagramming/ modeling, project management, and/or web development capabilities.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Microsoft Office 2007



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Required for new computers (not replacements)

- Microsoft Office 2003 (Word, Excel, PowerPoint)
- Microsoft Windows XP Professional
- Network Associates (McAfee) Active Virus Defense

Optional

- Symantec Ghost 11.x Corporate Edition



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Microsoft Windows Vista

Computer Software (Ward)

Lead: Field Support - Final 03/04/08 IT Standards Meeting

The CEA is a recognized local education agency by the State of California. As such, the CEA is required to develop curriculum guidelines for instruction that meet the State of California Department of Education standards (CDE). A standard can be defined as what a student should be capable of once a course is complete. All courses within the CEA are standards driven. The software listed supports the curriculum and the standards required by the CDE.



Emerging

(new technologies not currently researched)
Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft Office Standard 2007
- Microsoft Access
- Microsoft Front Page



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Alexandria Library System Client

Note: [Continued on next page](#)

Computer Software (Ward) Continued

Lead: Field Support - Final 03/04/08 IT Standards Meeting

Note: [Continued from previous page](#)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Required for new computers (not replacements)

Windows Utilities

- DyKnow Monitor
- DyKnow Vision
- iTunes (**no internet access**)
- Microsoft Office Standard 2003 (Word, Power Point, Excel)
- Network Associates (McAfee) Virus Scan

Windows Curriculum Software

- Adobe Creative Suite 2 (Photoshop, InDesign, Illustrator, GoLive, Acrobat Professional, Bridge, Stock Photos)
- Adobe Dreamweaver
- Adobe Premier Elements or Video Edit Magic
- Aztec Learning System (Math, Language Arts, Social Studies, Biology, Basic Science and Spatial Concepts, Critical Thinking / Advanced Critical Thinking, Special Education, English as a Second Language (ESL))
- Aztec Ready for Work Series (Health & Appearance, Positive Thinking, Listening Skills, Managing Emotions, Correct Work Behavior, Relating to Others, Following Directions, Effective Speaking, Decision Making, Effective Work Techniques, Time Management, Working Productively, Team Work, Dealing with Supervisors, Customer Service, Reading for Work, Writing for Work)
- CAHSEE Tutor
- Cakewalk or Sibelius
- Corel Painter
- Eureka Career Research System
- File Maker Pro 9
- Microsoft Internet Explorer 6.0
- UltraKey Typing or Mavis Beacon Teaches Typing
- World Book (Encyclopedia, Atlas, Dictionary)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Macintosh Utilities

- Apple Remote Desktop Client
- AppleWorks 06
- iLife (iWeb, iMovie, GarageBand, iPhoto)
- Safari (**no internet access**)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Configuration Management

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Configuration management technology and tools allow for the monitoring, management and control of enterprise network and application configurations, from an administrative perspective. Configuration management tools can either be utilized specifically as a function built in an enterprise network/systems management framework, or integrated with other element management tools as a component of the enterprise network/systems management process. This is a technology that also applies to Application Development.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- BMC Remedy 7.0



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

NetCom Equipment

- Cisco Works (EIS)
- Hewlett Packard ProCurve Manager (EIS)

Wintel

- NetPro Restore Admin (EIS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

NetCom Equipment

- Dorado RedCell

MPE Servers

- Minisoft

Unix

- Shell Scripts

Database

- Oracle Grid Control Confirmation Management

Applications

- Microsoft Visual Source Safe 6.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Customer Relationship Management

Lead: Application Maintenance and Support - Final 10/23/08 IT Standards Meeting

Customer Relationship Management (CRM) software supports a company department that handles telephone, internet or fax-based sales and/or service. CRM software allows an enterprise to manage customer relationships in an organized way. For example, an enterprise might build a database about its customers that describe relationships in sufficient detail so that management, salespeople, people providing service, and perhaps the customer directly could access information, match customer needs with product plans and offerings, remind customers of service requirements, know what other products a customer had purchased, and so forth.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft Dynamics Customer Relationship Management (CRM) Professional



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Technology not identified at this time



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Data Center

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

A Data Center is a facility used to house computer systems and associated components, such as telecommunications and storage systems. It generally includes redundant or backup power supplies, redundant data communications connections, environmental controls (e.g., air conditioning, fire suppression) and security devices. CDCR's data center is housed at the Aerojet facility.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Cabling

- 8 Gb Fiber Channel

Climate Control

- Intel Wireless and Built-in Temperature and Humidity Monitor (For Cabinets)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Building Structures

- 1200 lbs/sq. ft Raised Floors
- 1200 Ton Liebert CRAC (Computer Room Air Conditioning)(Aerojet)
- NetBotz Temperature & Humidity Sensor and Alert

Fire Suppression

- Halon
- Sprinklers (Test Lab)

Network Cabling

- Cable Management
- Category 5/5e/6/6e
- Local Connector (LC)/Standard Connector (SC) Fiber Optic Connectors
- Multimode fiber patch cords

Power Generation

- Bypass Switch for Universal Power Supply (UPS)
- GenPro Power Systems Powerdak
- Room Power Panels, 120V & 208V AC outlets

Rack Systems

- Dell, EMC, Hewlett Packard, Sun
- Hewlett Packard Rack Mounted KVM Drawer
- Leviton & Liebert Patch Panels
- Leviton Telecommunication Rack

Universal Power Supply (UPS)

- Liebert Npower & APC Symmetra 3 with IP Management Card
- UPS Management Appliance



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Network Cabling

- Straight Tip (ST) Fiber Optic Connectors

Rack Systems

- APC
- Compaq

Note: [Continued on next page](#)



Data Center

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Note: [Continued from previous page](#)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

Universal Power Supply (UPS)

- Stand Alone

Data Cleansing, Extraction, Transformation, Load

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

These tools encompass the extraction, transformation and movement of corporate data from a particular technology platform or database to another. These tools typically are used to transform data in preparation for population of the data warehouse. The tool should provide end-users with easy access to data warehouse metadata, advanced data transformation, and cleansing that helps them understand and navigate the data, reports, and queries in the data warehouse.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard Dictionary 3000
- IBM Information On Demand (BIS)
- Microsoft SQL Server Express 2005
- Microsoft SQL Server Management Studio 2005
- Oracle Import and Export
- Oracle SQL Developer
- Oracle SQL Loader Utility
- Quest Tool for Oracle Application Developer (TOAD) 9.6.1.1
- SAP Legacy Systems Migration Workbench (LSMW) (BIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft SQL Server 2000 Tool Suite
- Quest Tool for Oracle Application Developer (TOAD) 8.6, 9.1



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Data Compression

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Data compression or source coding is the process of encoding information using fewer bits (or other information-bearing units) than an un-encoded representation would use through use of specific encoding schemes. For example, the ZIP file format, which provides compression, also acts as an archiver, storing many source files in a single destination output file.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- 7-ZIP (must save as .zip format)
- PKWare PKZip
- WinZip 8.1; 9.0; 10.0; 11.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Aladdin Expander
- BigSpeed Zipper
- Nicomak WinZip
- SecretZIP
- StuffIt Expander
- WinRAR



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Data Mining and Analysis

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Data mining and analysis tools allow users to explore detailed business transactions. It involves "digging through tons of data" to uncover patterns and relationships contained within the business activity and history. Data mining results include: Associations, or when one event can be correlated to another event; Sequences, or one event leading to another later event; Classification, or the recognition of patterns and a resulting new organization of data; Clustering, or finding and visualizing groups of facts not previously known; Forecasting, or simply discovering patterns in the data that can lead to predictions about the future.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- SAS Enterprise Business Intelligence Server (OISB, DARS, CPHCS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- IBM Cognos 8 (BIS)
- Microsoft SQL Server Management Studio 2005
- Oracle 10g version 2.xxx



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft PerformancePoint 2007 (Compstat)
- Microsoft SQL Server 2000 Tool Suite
- SAP Business Intelligence (BIS)
- SAS 9 (OISB)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Data Modeling

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

See the Modeling Brick found in the CDCR Standards Reference List – Software

Data Query / Access

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Data query and access technologies are end user tools that encompass the request and presentation of information from an ad hoc user request for information from a database. There are three general methods for posing queries: (1) Choosing parameters from a menu: In this method, the database system presents a list of parameters from which you can choose. This is perhaps the easiest way to pose a query because the menus guide you, but it is also the least flexible. (2) Query by example (QBE): In this method, the system presents a blank record and lets you specify the fields and values that define the query. (3) Query language: Many database systems require requests for information in the form of a stylized query that must be written in a special query language. This is the most complex method because it forces you to learn a specialized language, but it is also the most powerful.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- SAS Enterprise Business Intelligence Server (OISB, DARS, CPHCS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- 4th Dimension (4D) Client
- Datawatch Monarch 4.05, 5.02, 6.0, 6.01, 7.0, 8.0
- Hewlett Packard Inform
- Hewlett Packard Query
- IBM Cognos 8 (BIS)
- Microsoft SQL Client
- Microsoft SQL Server Management Studio 2005
- Oracle SQL *Plus (CalParole)
- Oracle SQL Developer
- Quest Tool for Oracle Application Developer (TOAD) 9.6.1.1



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Bradmark DBGeneral (DDPS)
- Microsoft PerformancePoint 2007 (Compstat)
- Microsoft SQL Desktop Edition
- Microsoft SQL Server 2000 Tool Suite
- Microsoft SQL Server Express
- Quest Tool for Oracle Application Developer (TOAD) 8.6, 9.1



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Data Warehouse

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

A data warehouse is a central repository for all or significant parts of the data that an enterprise's various business systems collect. Typically, a data warehouse is housed on an enterprise server. Data from various online transaction processing (OLTP) applications and other sources is selectively extracted and organized on the data warehouse database for use by analytical applications and user queries. Data warehousing emphasizes the capture of data from diverse sources for useful analysis and access, but does not generally start from the point-of-view of the end user or knowledge worker who may need access to specialized, sometimes local databases.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Oracle 11i



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- SAS Enterprise Business Intelligence Server (OISB, DARS, CPHCS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft SQL Server Management Studio 2005
- Oracle 10g Enterprise Manager (OEM) Grid Control
- Oracle 10g Report Server
- Oracle Reports



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft SQL Server 2000 Tool Suite
- SAP Business Intelligence (BIS)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Database and Metadata Management

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Database management systems (DBMSs) are a collection of programs that enable the storage, modification and extraction of information from a database. DBMSs typically have at least the following five features in common: persistence, secondary storage management, concurrency, recovery and an ad hoc query facility. Database management refers to the tools required to manage the databases provided and contained within a DBMS. Database management tools are generally inherent in the DBMS solution selected although some third party tools may be available for specific purposes. Database management includes the following core capabilities: database creation, database access, and backup/restore/archive.

Metadata is the “data about data”. In other words it provides the context to business information stored in a data store. Metadata management is the means by which the organization manages its data and refers to both the transactional activities of building databases (i.e., tables and fields) and the strategic management of enterprise data management.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Oracle 11i



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard Dictionary 3000
- IBM DB2 (BIS)
- Microsoft SQL Server Express
- Microsoft SQL Server Management Studio 2005
- Oracle 10g Advanced Security Option
- Oracle 10g Enterprise Edition Mirrored Data Guard
- Oracle 10g Enterprise Manager
 - o Change Pack
 - o Configuration Management Pack
 - o Diagnostics Pack



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Bradmark DBGeneral (DDPS)
- Microsoft SQL Server 2000 Tool Suite



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Defect Tracking

Lead: Application Maintenance and Support - Final 10/23/08 IT Standards Meeting

Defect tracking tools capture and manage the status of reported software bugs (or defects).



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Hewlett Packard Mercury Software Suite 9.5 (EIS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Microsoft Office SharePoint Services 2007 (CalParole)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard Mercury Software Suite 8.0 (EIS)
- SAP Solution Manager (BIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Desktop Computer

Lead: Customer Service and Client Support - Final 10/19/09 IT Standards Expedited Update

See the Servers / Computers Brick found in the CDCR Standards Reference List – Hardware

Desktop Publishing Tool

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

Desktop publishing combines a personal and page layout software to create publication on a computer for either large scale or small scale local multifunction peripheral output and distribution. The term "desktop publishing" is commonly used to describe page layout skills. However, the skills and software are not limited to paper and book publishing. The same skills and software are often used to create graphics for signs, displays, posters, report covers, inserts, and a variety of similar items.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe Acrobat Professional 9.0



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Adobe Acrobat Professional 8.0
- Adobe Creative Suite 4 (CS4)
- Adobe Framemaker 7.2
- Adobe Illustrator CS4
- Adobe InDesign CS4
- Adobe Photoshop CS4
- Adobe RoboDemo 5.0
- Adobe Robohelp 6
- Corel Photopaint x3
- CorelDraw x3
- Microsoft Power Point 2003
- Microsoft Publisher 2003
- Microsoft Visio 2003
- Microsoft Word 2003
- OmniPage 16
- Snagit 9.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Creative Suite 3 (CS3)
- Adobe Illustrator CS3
- Adobe InDesign CS3
- Adobe Pagemaker
- Adobe Photoshop CS3



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Developer Support

Lead: Application Maintenance and Support - Final 08/07/08 IT Standards Meeting

Developer support enables developers with technology problems to quickly and easily solve their problems by collaborating with experts.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Experts Exchange
- Microsoft Developer Network (MSDN) Subscription
- O'Reilly Safari ([free licensing through State Library](#))



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Digital Certificate / Electronic Signature

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

An attachment to an electronic message used for security purposes. The most common use of a certificate is to verify that a user sending a message is who he or she claims to be, and to provide the receiver with the means to encode a reply. To support the use of certificates in any volume over the internet usually requires that a "public key infrastructure" (PKI) be in place.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Verisign 3

- Signature Algorithm sha1RSA
- Public Key (1024 bits)

Microsoft Certificate Authority 5.2.x

- Signature Algorithm md5RSA
- Public Key (2048 bits)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Directory and Naming Service

Lead: Infrastructure Services - Final 03/04/08 IT Standards Meeting

Directory and naming services is software that provides a name for a physical address on a network through logical to physical relation. Names can be user names, computers, printers, services or files. The transmitting station sends a name to the naming service software, which sends back the actual address of the user or resource. The process is known as name resolution. A naming service functions like the Yellow Pages for a network.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft Active Directory (Functional Level Windows Server 2008)
- Microsoft Domain Name Service (DNS) (Windows Server 2008)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft Active Directory (Functional Level Windows Server 2003)
- Microsoft Domain Name Service (DNS) (Windows Server 2000 / 2003)
- BIND 9.x



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft NT Domain
- Novell eDirectory (formally Novell Directory Services)
- WINS



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

e-Discovery

Lead: Policy, Planning, and Support Services - Final 08/07/08 IT Standards Meeting

In a lawsuit, discovery is the process by which opposing parties elicit information and evidence from each other. The electronic discovery process (e-Discovery) supports the litigation process and includes activities such as records management, identification, preservation, collection, processing, review, analysis, production and presentation of electronically stored evidence, such as emails, word documents, and spreadsheets. With new laws and the growing awareness and effectiveness of electronically stored information (ESI) in the legal community, e-Discovery is becoming a business process that occurs with every legal matter.

The automated tools on which e-Discovery relies provide for information management; identification; collection and preservation; processing review and analysis; production and presentation.

This technology is not appropriate for inmate, ward, or parolee access.

 <p>Emerging (new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.</p> <ul style="list-style-type: none"> • Symantec Advanced Classification Engine (ACE) • Symantec Advanced Email Archiving • Symantec e-Discovery • Symantec File System Archiving 	 <p>Pilot/Test (preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.</p> <ul style="list-style-type: none"> • Technology not identified at this time
 <p>General IT Standards (tested and accepted) Products or technologies authorized for use to meet existing business needs.</p> <ul style="list-style-type: none"> • Technology not identified at this time 	 <p>Contain (no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.</p> <ul style="list-style-type: none"> • Technology not identified at this time
 <p>Retired (eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.</p> <ul style="list-style-type: none"> • Technology not identified at this time 	 <p>Unauthorized Technologies (reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.</p> <ul style="list-style-type: none"> • Technology not identified at this time

Electronic Document Management System

Lead: SOMS- Final 10/23/08 IT Standards Meeting

Electronic document management systems (EDMS) software manages documents for electronic publishing. It generally supports a large variety of document formats and provides extensive access control and searching capabilities across LANs and WANs. A document management system may support multiple versions of a document. It may also be able to combine text fragments written by different authors. It often includes a workflow component that routes documents to the appropriate users.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Strategic Offender Management System (SOMS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft Office SharePoint Services 2007



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Encryption

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Encryption is the translation of data into a secret code. Encryption is the most effective way to achieve data security. To read an encrypted file, you must have access to a secret key or password that enables you to decrypt it. Unencrypted data is called plaintext; encrypted data is referred to as cipher text. Encryption tools provide functionality to encrypt data as cipher text and decrypt protected data back into plain text. Most encryption tools provide automated management of encryption and decryption keys. Encryption tools, depending on their capabilities, may provide protection to database records, file structures, storage volumes, or transmission paths when confidentiality is required.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- McAfee Total Protection Data
- Microsoft Vista BitLocker



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- McAfee SafeBoot (EIS Aerojet)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Computers (Staff Use) and Peripherals

- Microsoft Encryption File System (EFS)

Enterprise Servers

- Internet Protocol Security 2 (IPSec)
- Secure File Transfer Protocol (FTP)
- VeriSign SSL Certificates

Credit Card Transaction Processing

- CyberCash / VeriSign – PayFlow Premium



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Desktop, Network and Notebook Computers (Staff Use)

- CopySafe Plugin
- CP Lab File Encryption XP
- Crypto-Lock
- Cypherix Cryptainer LE 6.1
- Norton Disklock
- PC Guardian Encryption Plus Secure Export
- TrueCrypt
- WatchGuard Fireware Professional for Firebox x700

Enterprise Servers

- Oracle Advanced Security Option



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Credant Mobile Guardian
- Pointsec
- Utimaco SafeGuard
- PGP Universal

Enterprise Resource Planning

Lead: BIS - Final 08/07/08 IT Standards Meeting

ERP is an integrated information system that serves all departments within an enterprise. Evolving out of the manufacturing industry, ERP implies the use of packaged software rather than proprietary software written by or for one customer. ERP modules may be able to interface with an organization's own software with varying degrees of effort, and, depending on the software, ERP modules may be alterable via the vendor's proprietary tools as well as proprietary or standard programming languages. An ERP system can include software for manufacturing, order entry, accounts receivable and payable, general ledger, purchasing, warehousing, transportation and human resources.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

SAP ERP and SAP NetWeaver Phase 1B

- ERP Central Component (ECC) – Enhanced Financials (Fixed Assets, AP, AR, Cash), Procurement, Contracts, Inventory, Projects and Grant Accounting
- SAP Supplier Relationship Management (SRM)
- SAP Exchange / Process Integration (XI / PI)

Phase 2

- ERP Central Component (ECC) – Human Capital Management (HR) and SCO Interfaces
- SAP Business Intelligence (BI / BW) and IBM Cognos



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

SAP ERP and SAP NetWeaver

- ERP Central Component (ECC) – Backend / Core Financials
- SAP Enterprise Portals (EP) (BIS)

SAP Solution Manager – Project / Change Management (BIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Enterprise Software Distribution

Lead: Infrastructure Services - Final 03/04/08 IT Standards Meeting

Software distribution technologies and tools focus on the rapid deployment and synchronization of mission-critical or desktop applications to multiple locations from a central point. Software distribution and change management tools can either be utilized specifically as a function built in an enterprise network/systems management framework, or integrated with other element management tools as a component of the enterprise network/systems management process.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- McAfee e-Policy Orchestrator Agent 4.0



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Network Workstations

- McAfee e-Policy Orchestrator Agent 3.6
- Microsoft Systems Management Server (SMS) Advanced Client



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

File Transfer

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

File transfer is a generic term for referring to the act of transmitting files over a computer network. While the term "file transfer" is often linked to the File Transfer Protocol (FTP), there are numerous ways to transfer files over a network. Servers which provide a file transfer service are often called file servers. File transfers can roughly be classified in two: "Pull-based" file transfers where the receiver initiates a file transmission request; "Push-based" file transfers where the sender initiates a file transmission request. Some protocols for file transfer may provide both of these, and they are often referred to as "uploading" or "downloading", from the client's perspective. Client software transfers files between file servers and client workstations or other servers. Most operating systems have integrated clients. However, there is often a need to augment the operating system with third party clients to function with a specific technology.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Enterprise Solution

- Enterprise Service Bus (ESB)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

Client Software

- FileZilla Client 3.x for Windows (EIS UNIX)
- Ipswitch WS_ FTP Professional 2007 (CalParole)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Client Software

- Attachmate File Transfer Protocol (FTP) 8.0
- Ipswitch WS_ FTP Professional 9.01
- Integrated Application Clients

Secured Transfer

- Secure File Transfer Protocol (SFTP) (Native Operating System Tools; Supports standard FTP)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Client Software

- Core FTP LE
- GlobalSCAPE CuteFTP
- Jobdrive
- LapLink
- SmartFTP Client

Enterprise Solution

- Konica Minolta PageScope Cabinet FTP server
- Physical Transfer (CD/Tape/Flash Drive)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Firewall

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

A system designed to prevent unauthorized access to or from a private network. Firewalls can be implemented in both hardware and software, or a combination of both. Firewalls are frequently used to prevent unauthorized Internet users from accessing private networks connected to the Internet, especially intranets. All messages entering or leaving the intranet pass through the firewall, which examines each message and blocks those that do not meet the specified security criteria.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Cisco ASA 55xx
- Juniper NetScreen Security Manager
- Juniper Networks ISG 1000, 2000



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Cisco PIX
- GFI LANguard Network Security Scanner
- Hewlett Packard Altavista Firewall 98
- Juniper Networks SSG 5, 20,140, 550
- LanTricks LanSpy
- WatchGuard Firebox x80, x700
- WatchGuard LiveSecurity
- Wave EMBASSY Security Center



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Geographic Information System

Lead: Project Management Office – Final 01/27/10 IT Standards Meeting

**See the Mapping / Geospatial / Elevation / GPS Brick found in the
CDCR Standards Reference List – Software**

Graphic Design Tool

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

The term graphic design can refer to a number of artistic and professional disciplines which focus on visual communication and presentation. Various methods are used to create and combine symbols, images and/or words to create a visual representation of ideas and messages. A graphic designer may use typography, visual arts and page layout techniques to produce the final result. Graphic design often refers to both the process (designing) by which the communication is created and the products (designs) which are generated. Common uses of graphic design include magazines, advertisements, product packaging and web design. For example, a product package might include a logo or other artwork, organized text and pure design elements such as shapes and color which unify the piece. Composition is one of the most important features of graphic design especially when using pre-existing materials or diverse elements.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Adobe Creative Suite 4 (CS4)
- Adobe Illustrator CS4
- Adobe InDesign CS4
- Adobe Photoshop CS4
- Corel Photopaint x3
- CorelDraw x3
- ICON Maker 5.0
- Snagit 9.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Creative Suite 3 (CS3)
- Adobe Illustrator CS3
- Adobe InDesign CS3
- Adobe Photoshop CS3
- Adobe Pagemaker



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Handheld Device

Lead: Customer Service and Client Support - Final 01/27/10 IT Standards Meeting

See the Wireless / PDA Brick found in the CDCR Standards Reference List – Hardware



Human Resources Management

Lead: Application Maintenance and Support – Final 01/27/10 IT Standards Meeting

See the Benefit Management Brick found in the CDCR Standards Reference List – Software

Imaging Tool

Lead: Customer Service and Client Support - Final IT Standards Manual

Imaging Tools are software and hardware that enable the creation of an electronic image of any picture or paper form. It is accomplished by scanning or photographing an object and turning it into a matrix of dots (bitmap), the meaning of which is unknown to the computer, only to the human viewer. Scanned images of text may be converted into computer data (ASCII or EBCDIC) using optical character recognition software (OCR).



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Omni Page



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Internet Content Filtering

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Content-control software, also known as censor ware or web filtering software is a term for software designed and optimized for controlling what content is permitted to a reader, especially when it is used to restrict material delivered over the Web. Content-control software determines what content will be available on a particular machine or network; the motive is often to prevent persons from viewing content which the computer's owner(s) or other authorities may consider objectionable; when imposed without the consent of the user, content control can constitute censorship.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- BlueCoat Proxy & Content Filtering (Appliance & Software)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- ISA Proxy
- SurfControl Content Filtering Software



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Intrusion Detection or Prevention Service

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Intrusion detection is the act of detecting actions that attempt to compromise the confidentiality, integrity or availability of a resource. Intrusion detection does not, in general, include prevention of intrusions. Intrusion prevention is an evolution of intrusion detection.

Intrusion detection can be performed manually or automatically. Manual intrusion detection might take place by examining log files or other evidence for signs of intrusions, including network traffic. A system that performs automated intrusion detection is called an Intrusion Detection System (IDS). An IDS can be either host-based, if it monitors system calls or logs, or network-based if it monitors the flow of network packets. Modern IDS' are usually a combination of these two approaches. Another important distinction is between systems that identify patterns of traffic or application data presumed to be malicious (misuse detection systems), and systems that compare activities against a 'normal' baseline (anomaly detection systems). When a probable intrusion is discovered by an IDS, typical actions to perform would be logging relevant information to a file or database, generating an email alert, or generating a message to a pager or mobile phone.

An IDS is a computer security device that monitors network and/or system activities for malicious or unwanted behavior and can react, in real-time, to block or prevent those activities. Network-based Intrusion Prevention Service (IPS), for example, will operate in-line to monitor all network traffic for malicious code or attacks. When an attack is detected, it can drop the offending packets while still allowing all other traffic to pass. Intrusion prevention technology is considered by some to be an extension of intrusion detection system technology. An IPS must also be a very good IDS to enable a low rate of false positives.

This technology is not appropriate for inmate, ward, or parolee access.

 <p>Emerging (new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.</p> <ul style="list-style-type: none"> • Technology not identified at this time 	 <p>Pilot/Test (preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.</p> <ul style="list-style-type: none"> • Dragon Security Command Console (EIS)
 <p>General IT Standards (tested and accepted) Products or technologies authorized for use to meet existing business needs.</p> <ul style="list-style-type: none"> • Juniper Firewall 	 <p>Contain (no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.</p> <ul style="list-style-type: none"> • Technology not identified at this time
 <p>Retired (eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.</p> <ul style="list-style-type: none"> • Technology not identified at this time 	 <p>Unauthorized Technologies (reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.</p> <ul style="list-style-type: none"> • Technology not identified at this time

Issue Tracking and Resolution

Lead: Application Maintenance and Support - Final 01/27/10 IT Standards Meeting

Tools for managing the on-going issues and problems associated with test or production activities.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Microsoft Office SharePoint Services 2007 (CalParole)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- BMC Remedy 7.0
- Microsoft Excel
- SAP Solution Manager (BIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- BMC Remedy 6.0



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Languages / Integrated Development Environment

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

Languages and integrated development environment tools are used to write instructions for the computer. It lets the programmer express data processing in a symbolic manner without regard to machine-specific details. The statements that are written by the programmer are called code or source code, and they are translated into the computer's machine language by programs called assemblers, compilers and interpreters.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft Access 2007
- Microsoft Visual Studio 2008



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe Dreamweaver Creative Suite 4
- Adobe ColdFusion MX8 (CalParole)
- SAP Advanced Business Application Programming ABAP (BIS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Adobe Dreamweaver Creative Suite 4
- ASP .NET 2.0 AJAX Extensions
- ASP .NET Visual Studio 2003 / 2005
- COBOL
- IBM Cognos Powerhouse 4GL
- Microsoft Access 2002 & 2003
- Microsoft C# Visual Studio 2005
- Microsoft Office SharePoint Designer 2007
- Microsoft Visual Basic (VB) 2005
- Microsoft Visual Basic for Applications (VBA)
- Microsoft Visual Studio.NET 2003, 2005
- Natural
- Oracle Client 10g
- Programming Language 1
- SAS 9 (OISB)
- SUPRTOOL



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- 4th Dimension (4D) (WIN)
- Adobe ColdFusion MX7
- Adobe Dreamweaver 8.0 (LSTS)
- Adobe Dreamweaver Creative Suite 3
- Borland Delphi 1, 3, 5, 6
- Borland Visual Dbase 5.5
- BulkImport WSMP (DORMS)
- BusyBoxDotNet (DECS)
- Microsoft C# Visual Studio 2003
- C++
- Eclipse 3
- FileMaker Developer 7
- FoxPro 2.6
- GMDDatePicker (DECS)
- Hewlett Packard C/ANSI C Developer (DECS, ParoleLeads)
- IBM Informix Client – SDK
- J2EE
- Java
- Microsoft Access 2, '95, '97, 2000
- Microsoft SQL Server Mobile Developer Tools
- Microsoft Visual FoxPro, InterDev, Studio 97, 6.0, .NET (2002)

Note: [Continued on next page](#)

Languages / Integrated Development Environment Continued

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

Note: [Continued from previous page](#)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Natural
- Oracle Client 8.0.6
- Oracle Developer 8i
- Oracle Forms & Reports 6i
- Oracle Internet Developer Suite
- Oracle SQL Net 2 and 2 16-Bit
- Peter's Date Package (DECS)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Adobe Dreamweaver 6.0



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- ActiveState ActivePerl 522
- Borland Delphi (future versions)
- FileMaker Pro (future versions)
- J#



Local Area Network (LAN)

Lead: Infrastructure Services – Final 01/27/10 IT Standards Meeting

See the Local Area Network (LAN) Brick found in the CDCR Standards Reference List – Hardware



Monitor

Lead: Customer Service and Client Support - Final 10/19/09 IT Standards Expedited Update

See the Peripherals Brick found in the CDCR Standards Reference List – Hardware

Network Bandwidth

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Bandwidth in computer networking refers to the data rate supported by a network connection or interface. One most commonly expresses bandwidth in terms of bits per second (bps). The term comes from the field of electrical engineering, where bandwidth represents the total distance or range between the highest and lowest signals on the communication channel (band). Bandwidth represents the capacity of the connection. The greater the capacity, the more likely that greater performance will follow, though overall performance also depends on other factors, such as latency.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Standard Local Area Network & Data Center

- 10 / 100 Copper (Up to 100 Mb/s)
- 10 / 100 / 1000 Copper (Up to 1 Gb/s)

Data Center & Key Distribution Sites (HQ & Aerojet)

Wide Area Network

- OC-3 (up to 155 Mb/s)
- OC-12 (up to 622 Mb/s)
- Metro Ethernet (up to 1 Gb/s)
- DS-3 (up to 45 Mb/s)
- T-1 (1.45Mb/s) (Including multiple T-1s)

Local Area Network

- 10/100/1000 Copper or Fiber Ethernet (up to 1 Gb/s)
- Motorola Wireless Backhaul Point to Point (up to 300Mb/s)

Institutions

Wide Area Network

- DS-3 (Access 6Mb/s Port)
- T-1 (1.45Mb/s) (Including multiple T-1s)

Local Area Network

- 10/100/1000 Copper or Fiber Ethernet (up to 1 Gb/s)

Regional Accounting, Parole and Miscellaneous Offices

Wide Area Network

- T1 (1.54 mbps) (Including multiple T-1s)

Local Area Network

- 10/100/1000 Copper or Fiber Ethernet (up to 1 Gb/s)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- 56 (kbps) circuits (frame-relay / dial-up)

Note: [Continued on next page](#)



Network Bandwidth continued

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Note: [Continued from previous page](#)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Network Cabling

Lead: Infrastructure Services - Final 03/04/08 IT Standards Meeting

Network Cabling is wiring technology that links all network drops, peripherals and devices to allow for network connectivity within one or across many locations.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Wireless Back Haul Point to Point (Institutions)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Single Mode Fiber Optic Cable (6 and 12 Stands each building location at every institution)
- Cat 5 and 6



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Cat 3



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Network Centric Computing

Lead: Customer Service and Client Support - Final 04/08/09 IT Standards Meeting

Network Centric Computing conducts all business application processing at the server. In essence the user is working directly on the server rather than locally with only information being passed as would be the case in a client server environment. Network Centric Computing started with thick client technology using terminal stations for users to access mainframe computers. The advent of the personal computer and advances in processing capabilities saw a shift away from network centric computing to client/ server computing where the application is able to use local processing resources and release the server to manage data transactions. With the development of thin clients there has been a shift back to network centric computing.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Attachmate Reflections 2008



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- TN3270 Plus (CDCR wide)
- MiniSoft 3270 (EIS)
- Mochasoft (EIS)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Software

- Attachmate Extreme 9.0 (Follow link to complete the Attachmate License Request Form)
- Attachmate Reflections X 13.0.0
- Forvus Emulator - PCI
- IBM Personal Communication (YA Network only)
- MiniSoft v5.4.35
- MiniSoft Secure 92 (DDPS)
- TN3270 Plus (BPH Network only)

Hardware

- Attachmate Irma Emulation Card
- Forvus 3270 Emulation Card



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Attachmate Extreme 8.0 (required for coaxial connection and for Regional Accounting Offices utilizing Gateway utility)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Network Management

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Network management refers to the activities, methods, procedures, and tools that pertain to the operation, administration, maintenance, and provisioning of networked systems.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Simple Network Management Protocol (SNMP) 3
- Hewlett Packard Openview



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Event Correlation

- Enterasys Dragon Secure Command Console
- #### Management
- Hewlett Packard ProCurve Manager
 - Dorado RedCell
 - Juniper Netscreen Security Manager (NSM)

Protocols

- Secure Shell (SSH)
- Simple Network Management Protocol (SNMP) 2
- Syslog

Status / Notification

- Cacti

Trending/Capacity

- AdventNet ManageEngine NetFlow Analyser Enterprise
- Cacti
- Netscout Infinistream

Troubleshooting

- Fluke Opteviw
- Wireshark



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Enterasys Netsight Console
- Sawmill Enterprise
- Network General Sniffer Portable
- Telecommunication network (Telnet)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Non-Relational Data Management System

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Non-relational data management systems refer to systems designed to capture and store system information without the use of a relational database management system (RDBMS). Non-relational data management systems generally refer to data storage technologies that predate RDBMS design and/or use and include Database management systems (DBMS) that are not relational and legacy flat file systems used in mainframe systems. DBMS are a collection of programs that enable the storage, modification and extraction of information from a database. They typically have at least the following five features in common: persistence, secondary storage management, concurrency, recovery and an ad hoc query facility.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Technology not identified at this time



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- ADABAS / Natural (OBIS / OBITS)
- Hewlett Packard TurboImage (DDPS)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Notebook Computer

Lead: Customer Service and Client Support - Final 10/19/09 IT Standards Expedited Update

See the Servers / Computers Brick found in the CDCR Standards Reference List – Hardware

Online Analytical Processing (OLAP) / Relational Online Analytical Processing (ROLAP) / Multidimensional Online Analytical Processing (MOLAP)

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

OLAP / ROLAP / MOLAP are tools that collectively enable complex analysis of data stored in some type of database. OLAP is a category of software tools that provides analysis of data stored in a database. OLAP tools enable users to analyze different dimensions of multidimensional data. For example, it provides time series and trend analysis views. The chief component of OLAP is the OLAP server, which sits between a client and database management systems (DBMS). The OLAP server understands how data is organized in the database and has special functions for analyzing the data. There are OLAP servers available for nearly all the major database systems.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft SQL Server Management Studio 2005
- Oracle 10g version 2.xxx



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft SQL Desktop Edition
- Microsoft SQL Server Express
- Microsoft SQL Server Management Studio 2000 Tool Suite



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Patch Management

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

The main objective of a patch management program is to create a consistently configured environment that is secure against known vulnerabilities in operating system and application software. The rise of widespread worms and malicious code targeting known vulnerabilities on unpatched systems, and the resultant downtime and expense they bring, is probably the biggest reason so many organizations are focusing on patch management.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft System Management Server (SMS) 2007



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft System Management Server (SMS) 2003



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Policy Management

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

See the Governance / Policy Management Brick found in the CDCR Standards Reference List – Software



Portfolio Management

Lead: Project Management Office - Final 01/27/10 IT Standards Meeting

See the Portfolio Management Brick found in the CDCR Standards Reference List – Software



Printer

Lead: Customer Service and Client Support - Final 10/19/09 IT Standards Expedited Update

See the Peripherals Brick found in the CDCR Standards Reference List – Hardware



Project Management

Lead: Project Management Office - Final 01/27/10 IT Standards Meeting

See the Program / Project Management Brick found in the CDCR Standards Reference List – Software

Records Management System

Lead: SOMS- Final 10/23/08 IT Standards Meeting

An electronic records management system is a computer program (or set of programs) used to track and store records. The term is distinguished from imaging and document management systems that specialize in paper capture and document management respectively. Electronic records management systems commonly provide specialized security and auditing functionalities tailored to the needs of records managers.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Strategic Offender Management System (SOMS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- dbAPPS Case Records Automated File Tracking System (CRAFTS)
- dbAPPS Medical Chart Automated Tracking System (MEDCATS)
- Discharged Offender Records Management System (DORMS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Redundant Array of Inexpensive Disks (RAID) Storage

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

**See the Embedded Technology Devices Brick found in the CDCR
Standards Reference List – Hardware**

Rehabilitation Tool - Inmate

Lead: Application Maintenance and Support – Final 04/08/09 IT Standards Meeting

Inmate Rehabilitation tools include all tools devoted to providing incarcerated individuals with the educational resources and life skills necessary to rejoin society as responsible and contributing members.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Academic Programs

- Adobe Reader 9.0
- Aztec Software
- Encarta Encyclopedia
- Fortes Grande
- Microsoft Office
- PLATO Courseware
- Reading Horizons
- Rosetta Stone (Language Learning)

Vocational Programs

- Automotive Software for engine analyzer (Small Engine Repair)
- Cabinetware (Mill & Cabinet) (actual equipment)
- Certiport (OSRT)(Learning Certification)
- Autodesk AutoCAD Revit Architecture 2009 (Machine, Mill, Cabinet)
- Encarta Encyclopedia (Office Services & Related Technology (OSRT))
- Mavis Beacon Teaches Typing (OSRT)
- Microsoft Office (OSRT)
- Riverdeep.net Learning Village



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Relational Database Management System

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Relational Database Management System (RDBMS) is a type of DBMS that stores data in the form of related tables. Most full-scale database systems are RDBMSs. Relational databases are powerful because they require few assumptions about how data is related or how it will be extracted from the database. As a result, the same database can be viewed in many different ways. An important feature of relational systems is that a single database can be spread across several tables. This differs from flat-file databases, in which each database is self-contained in a single table.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Microsoft SQL Server 2008
- Oracle 11g



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Microsoft Access 2007



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- 4th Dimension (4D) (WIN)
- IBM DB2 9.1 (BIS)
- Microsoft Access 2003
- Microsoft SQL Server 2005
- Oracle 10g
- Software AG Adaptable Data Base System (ADABAS) 7.x



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Ashton Tate / Borland Visual / dBase
- Computer Associates Clipper
- Corel Paradox
- FileMaker Pro
- Microsoft Access 97, 2000
- Microsoft FoxBASE / FoxPro
- Microsoft SQL Server 2000
- Microsoft SQL Server Desktop Edition 2000
- Microsoft SQL Server Desktop Edition Express
- Oracle 8, 9
- Oracle Personal Edition



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- MySql

Remote Access

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Remote access refers to tools and standards designed to allow authorized access to corporate computing resources from external locations. External locations would be defined as any system outside of the secured intranet in which the targeted resource resides. This could include users or systems in one corporate resource area accessing resources in another secured environment or individual users accessing corporate resources from a public network (i.e., the Internet). Remote access requires a means of identification and authorization to allow a user to pass through a firewall.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- VMware Virtual Desktop Infrastructure (VDI) with SSL connection broker



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Blackberry Curve [8330](#), [8830](#)
- Microsoft Internet Security and Acceleration Server (ISA) 2006 (SharePoint, FisWeb, OPEC Media Server)
- Juniper SSL Virtual Private Network (VPN) SA 4000
- Microsoft Outlook Web Access 2003



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Citrix Application Server
- Microsoft Internet Security and Acceleration Server (ISA) 2004 (Outlook Web Access 2003)
- Microsoft Remote Access Server (RAS) (TRACS)
- Symantec SSL Virtual Private Network (VPN) 5660



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Remote Control

Lead: Desktop Support and Maintenance - Final 01/27/10 IT Standards Meeting

See the Remote Systems Control Brick found in the CDCR Standards Reference List – Software

Requirements Management and Tracking Tool

Lead: Application Maintenance and Support - Final 08/07/08 IT Standards Meeting

Requirements management and tracking tools provide for automated support for extracting requirements from a specification, assigning unique identification numbers, tracing requirements through different specification levels, and creating a trace matrix. Requirements can be extracted from a source specification, or manually entered by the user, for storage in a requirements management database. Attributes and keywords can be assigned to each requirement statement to ensure desirable management abilities.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Hewlett Packard Mercury Software Suite 9.5 (EIS)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard Mercury Software Suite 8.0 (EIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Resource Management

Lead: Project Management Office - Final 01/27/10 IT Standards Meeting

See the Resource Planning and Allocation Brick found in the CDCR Standards Reference List – Software



Scanner

Lead: Customer Service and Client Support - Final 10/19/09 IT Standards Expedited Update

See the Peripherals Brick found in the CDCR Standards Reference List – Hardware

Search / Index Engine Package

Lead: Application Maintenance and Support - Final IT Standards Manual

Search / Index Engine Packages are programs that search documents on an organization's intranet for specified keywords and return a list of the documents where the keywords were found. Typically, a search engine works by sending out a spider to fetch as many documents as possible. Another program, called an indexer, then reads these documents and creates an index based on the words contained in each document. Each search engine uses a proprietary algorithm to create its indices such that, ideally, only meaningful results are returned for each query. Search engines also include intelligent agents that exhibit some level of artificial intelligence.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft Site Server 3.0
- Inktomi Ultraseek

File System Search

- Microsoft Site Server 2.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Secure Data Removal Tool

Lead: Customer Service and Client Support - Final 10/23/08 IT Standards Meeting

Secure data removal tools are tools that allow you to erase your hard disk thereby preventing identity theft and protecting sensitive data

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Norton Ghost GDISK
- Degausser



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Heidi Computers' Eraser



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Server - Delivery

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Delivery servers are front-end platforms that provide information to a requesting application. They also include the hardware, operating system, server software and networking protocols. Types of delivery servers include the following:

- **Application Servers** – In a three-tier environment, a separate computer (application server) performs the business logic. Typically an application server is Web based.
- **Media Servers** – Provides management of media-based files such as video streams, audio and digital images.
- **Portal Servers** – Portals provide entry points for interaction and integration of Department information.
- **Web Servers** – A computer used provide World Wide Web services. A web server is typically used to render information in a format that can be read by a web browser. A web server that is used within the internal network and excludes external users in known as an “intranet server.”



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Application

- .NET Framework 3.0, 3.5, 4.0

Media

- Microsoft Media Server 2008

Web

- Microsoft Internet Information Services (IIS) 7.0



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe ColdFusion MX8 (CalParole)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Application

- .NET Framework 1.0, 1.1 - 2.0
- Oracle Application Server (OAS) 10g (DECS)

Media

- Microsoft Media Server 2003

Portal

- Microsoft Office SharePoint Services 2007

Web

- Microsoft Internet Information Services (IIS) 6.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Application

- Adobe ColdFusion MX7 (CalParole)
- Oracle Application Server (OAS) v9.0.4.33 (RSTS)

Portal

- Microsoft Office SharePoint Services 2003

Web

- Apache Tomcat
- Microsoft Internet Information Services (IIS) 5.0



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Server - Hardware

Lead: Infrastructure Services - Final 10/19/09 IT Standards Expedited Update

See the Servers / Computers Brick found in the CDCR Standards Reference List – Hardware



Server – Operating System

Lead: Infrastructure Services – Final 01/27/10 IT Standards Meeting

See the Dependent Platform and the Independent Platform Bricks found in the CDCR Standards Reference List – Software

Server Consolidation

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

Server hardware has outpaced many server applications resulting in an underutilization of the hardware capabilities. Server consolidation tools allow single server setups to run multiple platforms simultaneously that in the past would require individual hardware setups. The server consolidation tools have been particularly useful in the development and testing of new systems.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

Hardware

- Hewlett Packard Integrity Blade System BL860C



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Software

- Microsoft Virtual Server 2005 R2 (Estelle)
- VMware ESX Server 3.5.x
 - Virtual Infrastructure 3.5
 - Virtual Infrastructure Client 2.0.x, 2.5



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Software

- VMware ESX Server 3.0.x
 - Virtual Infrastructure 3.0



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Server Management Software

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Server management is the maintenance and operation of a server. While this can mean many things, the main idea behind server management is uptime. The whole purpose of a server is to have a reliable resource for users to interact with. Management of a server can vary depending on the size of the server and its purpose. Different types of servers require different types of management plans.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Dell OpenManage
- Hewlett Packard Systems Insight Manager
- Microsoft System Center Operations Manager (SCOM) 2007
- Quest / Netpro Restore Admin



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- VESoft MPEX Shell



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Microsoft Operations Manager (MOM) 2005



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Service Oriented Architecture (SOA)

Lead: SOMS - Final 10/23/08 IT Standards Meeting

Service Oriented Architecture (SOA) is a framework for implementing web-services that provide the reuse of existing business services which facilitates rapid development of new business capabilities. It is a software architecture where functionality is grouped around business processes and packaged as interoperable services. SOA also describes IT infrastructure which allows different applications to exchange data with one another as they participate in business processes. The aim is a loose coupling of services with operating systems, programming languages and other technologies. SOA separates functions into distinct units (services) which are made accessible over a network in order that they can be combined and reused in the production of business applications. These services communicate with each other by passing data from one service to another, or by coordinating an activity between two or more services. SOA concepts are often seen as built upon, and evolving from older concepts of distributed computing and modular programming.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Interface Management

- Enterprise Service Bus (ESB)

Web Services

- Representational State Transfer (REST)

Web Services Management

- Web Services Registry
- Web Services Manager

Business Process Management

- Business Activity Manager
- Business Process Execution Language (BPEL)
- Business Process Models

Security

- Identity Management
- Role Management
- Web Services -Security
- Web Services –Security Policy
- Web Services -Federation
- Security Access Markup Language (SAML)

Security Policy Enforcement

- Policy Enforcement Provider
- Policy Enforcement Points
- Web Services Gateway (for external services)

Data Exchange

- National Information Exchange Model (NIEM)
- Extensible Markup Language (XML)
- Health Level 7 (HL-7)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Adobe Cold Fusion MX8 (CalParole)

Note: [Continued on next page](#)

Service Oriented Architecture (SOA) Continued

Lead: SOMS - Final 10/23/08 IT Standards Meeting

Note: [Continued from previous page](#)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Data Exchange

- .NET DataSets (EIS TSU)

Web Services

- Web Services Definition Language (WSDL)
- XML Format
- Simple Object Access Protocol (SOAP) Messages



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Cold Fusion MX7 (CalParole)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Service Request / Trouble Ticket Management

Lead: Customer Service and Client Support - Final 01/27/10 IT Standards Meeting

See the Assistance Request Brick found in the CDCR Standards Reference List – Software

SPAM Protection

Lead: Infrastructure Services - Final 08/07/08 IT Standards Meeting

Spam is unsolicited and unwanted bulk messages and is more generally associated with email although spam comes in other media as well (e.g., instant messages, web search engine spam, junk fax transmissions). Manual filtering of spam results in significant decreases in productivity and / or lost messages that are not spam. In addition, due to the bulk nature of spam, large amounts of bandwidth is wasted delivering these messages either impacting the service levels of legitimate business or causing organization to increase bandwidth to compensate. The seriousness of the problem has resulted in numerous tools being developed to block spam content with some success. "Spammers" use falsified headers, mistyped text, etc. to fool spam blocking software from recognizing the message as spam. Some spam blocking software diverts the suspect email to "junk" folders that can be reviewed by the recipient prior to deletion to ensure valid content is not blocked while others stop the delivery altogether. Email spam is often bundled with virus programs that use the infected computer to propagate spam delivery. Spam blocking solutions can be found as software or appliances.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Microsoft Antigen 9.1



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Microsoft Exchange Intelligent Message Filtering
- McAfee Secure Internet Gateway (SIG) 3200 Appliance (Juvenile Justice)



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- McAfee Group Shield 6.0 MR2



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Storage Area Network (SAN)

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

**See the Storage Brick found in the CDCR Standards Reference List
– Hardware**

Storage Management

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Storage management tools provide the means to identify the organizations current storage capabilities and usage as well as relevant performance metrics and usage patterns. Proper storage management can help to identify under utilized or misused storage capabilities.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Symantec Enterprise Vault



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Hewlett Packard StorageWorks Library And Tape Tools 3.5, 4.0
- IBM Tivoli Storage Manager - DB2 (BIS)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- JufSoft BadCopy Pro



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Systems Management Framework

Lead: Infrastructure Services - Final IT Standards Manual

Systems management frameworks are enterprise platforms designed to encompass end-to-end management of application inventory, performance and monitoring; network device monitoring, performance and capacity planning; software distribution and control; and overall administration of the IT environment. Typically, network/systems management frameworks provide “hooks” to specialized applications for a given part of enterprise network/systems management such as help desk, LAN management, storage management, etc.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Windows Platform

- Microsoft Systems Management (SMS) Server 2003

Novel Platform

- ZenWorks



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Technology not identified at this time



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time



Tape Storage

Lead: Infrastructure Services – Final 01/27/10 IT Standards Meeting

**See the Storage Brick found in the CDCR Standards Reference List
– Hardware**



Thin Client Computer

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

See the Servers / Computers Brick found in the CDCR Standards Reference List – Hardware



Video Conferencing

Lead: Infrastructure Services - Final 01/27/10 IT Standards Meeting

See the Video Conferencing Bricks found in the CDCR Standards Reference List – Hardware and the CDCR Standards Reference List – Software



Web Browser

Lead: Application Maintenance and Support - Final 01/27/10 IT Standards Meeting

See the Web Browsers Brick found in the CDCR Standards Reference List – Software

Website Development Tool

Lead: Application Maintenance and Support - Final 04/08/09 IT Standards Meeting

Website development tools provide support to developers to produce text, graphics, video, animation, and sound in an integrated way for use within a software package. These tools are often used in conjunction with imaging tools to create graphics.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

- Technology not identified at this time



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

- Technology not identified at this time



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

- Adobe Captivate 3.1
- Adobe Creative Suite 4 (CS4)
- Adobe Dreamweaver CS4
- Adobe Fireworks CS4
- Adobe Flash CS4
- Adobe Illustrator CS4
- Adobe Photoshop CS4
- Adobe RoboDemo 5
- Adobe Robohelp 6
- Adobe Shockwave 10
- Corel Photopaint x3
- CorelDraw x3
- Microsoft Media Player 11
- Microsoft Office SharePoint Designer 2007
- Snagit 9.0



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

- Adobe Creative Suite 3 (CS3)
- Adobe Dreamweaver CS3
- Adobe Fireworks CS3
- Adobe Flash CS3
- Adobe Illustrator CS3
- Adobe Micromedia Studio
- Adobe PageMaker
- Adobe Photoshop CS3
- Apple Quicktime
- Corel Ulead VideoStudio 8 SE
- Microsoft FrontPage
- Microsoft Windows Media Encoder 9
- Viewpoint Media Player



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Wide Area Network (WAN) / Metropolitan Area Network (MAN)

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

A wide area network (WAN) is a data communications system that serves a large geographic area. WANs typically serve as a customized communication “backbone” that interconnects all of an organization’s local networks with communications trunks designed to be appropriate for anticipated communication rates and volumes between nodes. The existence of a WAN permits the deployment of file, print or application servers across the infrastructure. A metropolitan area network (MAN) is a large computer network usually spanning a city. They typically use wireless infrastructure or optical fiber connections to link their sites.

This technology is not appropriate for inmate, ward, or parolee access.



Emerging

(new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.

Hardware

- Network Admittance Control (NAC) Server
- Voice Over Internet Protocol (VOIP) Gateway

Protocol

- Multi Protocol Label Switching (MPLS)
- Voice Over Internet Protocol (VOIP)



Pilot/Test

(preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.

Protocol

- Border Gateway Protocol (BGP)
- Quality of Service (QoS)
- Video (Streaming and Conferencing)



General IT Standards

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Hardware

- BlueCoat WAN Optimization
- Cisco 1800 Routers (Remote Sites, no more than 10 users)
- Cisco 2800 Routers (Remote Site – Parole, Regional Accounting Offices)
- Cisco 2821 Integrated Services Router (Backup Routers w/ T1)
- Cisco 3800 Routers (Institution)
- Cisco 3845 Integrated Services Router (DS3 Circuits)
- Cisco 7600 Routers (Data Center and Aggregation Sites)
- Cisco 7604 Router (Core and Distribution)
- Network Admittance Control (NAC) Server (DJJ)



Contain

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.

Hardware

- Cisco 2500 / 2600 Routers

Connectivity

- Asymmetric Digital Subscriber Line (ADSL) Modem (FSP and SQ)
- Asynchronous Transfer Mode (ATM)
- Integrated Services Digital Network (ISDN)

Protocol

- Telecommunication Network (Telnet)

Note: [Continued on next page](#)

Wide Area Network (WAN) / Metropolitan Area Network (MAN) Continued

Lead: Infrastructure Services - Final 10/23/08 IT Standards Meeting

Note: [Continued from previous page](#)



General IT Standards (Cont.)

(tested and accepted) Products or technologies authorized for use to meet existing business needs.

Protocol

- Data-Link Switching (DLSw)
- Generic Routing Encapsulation (GRE)
- Internet Protocol (IP), Transmission Control Protocol (TCP), User Datagram Protocol (UDP), Internet Control Message Protocol (ICMP)
- Internet Protocol Security (IPsec) / Secure Sockets Layer virtual private network (SSLVPN)
- NetFlow / sFlow
- Network Time Protocol (NTP)
- Open Shortest Path First (OSPF)
- Secure Shell (SSH)
- Simple Network Management Protocol (SNMP) 2

Connectivity

- Frame Relay
- Digital Signal x (DSx)
- Optical Carrier x (OCx)
- Ethernet (all flavors 10/100/1000 copper and fiber)
- Dark Fiber
- Motorola Backhaul Wireless



Contain (Cont.)

(no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.



Retired

(eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.

- Technology not identified at this time



Unauthorized Technologies

(reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.

- Technology not identified at this time

Wireless

Lead: Infrastructure Services - Final 04/08/09 IT Standards Meeting

A Wireless network is a data communications system that transmits digital information using radio frequencies rather than cabling. Wireless networks remove physical barriers related to cabling requirements and allow greater work location flexibility. Wireless network users can connect to a variety of networks with little to no computer configuration changes. Wireless networks can be either infrastructure or ad-hoc and also supports peer-to-peer network connections. The ease of connection and difficulty of detection has led to new or heightened security concerns. The growing number of public access points in airports, coffee shops, hotels and cities allows mobile workers to stay connected more often with greater access to enterprise resources.

This technology is not appropriate for inmate, ward, or parolee access.

 <p>Emerging (new technologies not currently researched) Products or technologies available on the open market. New requests will be reviewed during the next evaluation period.</p> <ul style="list-style-type: none"> • Satellite • WIMAX 	 <p>Pilot/Test (preliminary or experimental trial or test phase only) Products or technologies being piloted or tested in contained areas. Acquisitions or expansion requires project approval authority and must go through the standards process.</p> <ul style="list-style-type: none"> • 802.11b/g/n Wireless LAN (CITIP)
 <p>General IT Standards (tested and accepted) Products or technologies authorized for use to meet existing business needs.</p> <p>Backhaul Point to Point Wireless Solutions</p> <ul style="list-style-type: none"> • Motorola Canopy 5.7 GHz 20Mb/s Backhaul (solution for location supporting 5 or fewer users where physical infrastructure is cost prohibitive) • Motorola Point-to-Point (PTP) series (Model Based on Bandwidth) • Motorola Point-to-Point 300Mb/s Wireless Ethernet Bridge (PTP-600) <p>Internet Access</p> <ul style="list-style-type: none"> • (Tethering is acceptable, but the service carrier will charge an additional fee) • Air Cards <ul style="list-style-type: none"> ○ Verizon KPC 680 Express Card ○ Verizon UM175 (USB port) 	 <p>Contain (no new development) Products or technologies in use but can no longer be acquired or expanded without going through the standards exemption process.</p> <ul style="list-style-type: none"> • 802.11a Client Wireless Solution <p>Internet Access</p> <ul style="list-style-type: none"> • Air Cards <ul style="list-style-type: none"> ○ Verizon UTS M150 USB Modem ○ Verizon AC595 PCMCIA Card ○ Sprint 595U * ○ AT&T Sierra Wireless 885 (Mercury) USB * ○ AT&T Sierra Wireless 881 USB * <p>* Non Verizon air cards can be used if Verizon service is unavailable</p>
 <p>Retired (eliminated or surveyed) Products or technologies eliminated or surveyed out through replacement or a migration process. Acquisition or expansion is not permissible.</p> <ul style="list-style-type: none"> • Technology not identified at this time 	 <p>Unauthorized Technologies (reviewed and not permitted) Products or technologies reviewed and considered through the standards process. Acquisition or usage is denied without going through the standards exemption process.</p> <ul style="list-style-type: none"> • Technology not identified at this time