Information Technology Enterprise Architecture
Infrastructure, Hardware & Software Standards

(Revision February / 2026)

Goal: Technology Vision and Strategy Business Alignment

How to use an enterprise architecture framework & process to create a roadmap for achieving cost savings & maturity while aligning with a more standardized, streamlined and agile IT organization

Executive Summary

What is Enterprise Architecture:
Enterprise Architecture identifies the business processes that execute or support an organization's mission and defines how Information Technology assets directly enable those processes. The purpose of Enterprise Architecture is to optimize and transform processes, information, application systems and technologies into an efficient and integrated environment supportive of the execution of business strategy.

Why
To help execute business strategy and realize strategic goals, Enterprise Architecture defines a desired target state view of an enterprise's processes, information, application systems and technologies and an enterprise roadmap to progressively implement this target state through a series of projects.

What is the Benefit:

- A defined roadmap to help implement business goals
- Improved alignment of technology with business goals
- Improved interoperability and collaboration on technology initiatives
- Reduced costs
- Reduced risk
- Minimized software programming development

Reference: California Technology Department Document
EA Home Page - CDT Services

Infrastructure – Data Center

Server

Component	Standard / Version
Hardware	HPE Proliant
Operating System	Microsoft Windows Server
Virtual Platform	VMware vSphere

Network

Component	Standard / Version
Core/Peripheral Switch	Cisco Nexus
Management	FrameFlow
Wireless Access Point	Aruba

Storage

Component	Standard / Version
Hardware	Nimble/Alletra

Phone

Component	Standard / Version
Core PBX	Avaya
Voice Mail	AVST CallExpress
Fax Messaging	RightFax Fax Server

Radio

Component	Standard / Version
Motorola 800 Mhz	Portable: Motorola, EF Johnson Mobile: Motorola XTL, APX, EF Johnson
VHF	Portable: BK, RELM, Motorola Mobile: Kenwood, Motorola

Security / Recovery

Backup, Deduplication & Recovery

Component	Standard / Version
Backup	Rubrik

Cloud / Hosted Platform

Component	Standard / Version
Compliance	Annual Penetration Testing, Quarterly Vulnerability Scans & PCI/NERC Compliance Testing
Data Center Location	US Geographical Based
Data Transfer	Secure FTP & HTTPS
Security Standards	TLS
Certification Authority	DigiCert High Assurance CA-3

Computer Room

Component	Standard / Version
UPS	Vertiv/Emerson Liebert
HVAC	Vertiv/Emerson NetPartner

Security

Component	Standard / Version
Authentication	Microsoft Active Directory / Single Signon
	PingID Multi-Factor Authentication
End Point Protection	Crowdstrike
Firewall	Palo Alto
Mobile Device Management	Citrix XenMobile
SIEM/Logging	SumoLogic
VPN	Palo Alto Global Protect

Applications / Integration

Database

Component	Standard / Version
Software	Microsoft SQL Server

Geographic Information System-GIS

Component	Standard / Version
Software	ESRI ArcGIS Server ArcGIS Desktop

Audio/Video

Component	Standard / Version
Web Conference	Microsoft Teams

Business Intelligence / Reporting

Component	Standard / Version
Dashboards	Microsoft Power BI
Business Intelligence	Microsoft SQL Server Reporting Services Microsoft SQL Server Integration Services Microsoft SQL Server Analysis Services

Web / Internet Information Server

Component	Standard / Version
Software	IIS

Desktop Automation

Component	Standard / Version
Software / Systems Management	Microsoft System Center Configuration Manager (SCCM)
Virtual Application Management	Citrix XenApp

Desktop / Mobile – End Users

Desktop / Laptop Computer

Component	Standard / Version
Hardware	Dell Optiplex & Precision Dell Lattitude Panasonic Toughbook Lenovo Tiny M900
Operating System	Microsoft Windows
Browser	Microsoft Internet Explorer

Tablet Computer

Component	Standard / Version
Hardware	Lenovo X1 Yoga Panasonic Toughpad
Operating System	Microsoft Windows
Browser	Microsoft Internet Explorer

Smartphone / Smart Device

Component	Standard / Version
Operating System	iPhone IOS

Office Apps / Messaging

Component	Standard / Version
Email	Microsoft Exchange -
Instant Messaging	Microsoft Teams

Collaboration

Component	Standard / Version
Software	Microsoft SharePoint Online
	Microsoft OneDrive for Business

Copier/Printer/Scanner

Component	Standard / Version
Multi-Function	Canon MFP
Laser Printers	HP Laserjet