

**California Department of Insurance  
Paperless Workflow Project Bidder's Library**

**CDI Network Standards  
02-24-2009**

Wide Area Network (WAN) Architecture

The WAN architecture for CDI is shown in **Error! Reference source not found.**1. The Sacramento office provides main Internet connectivity through the Department of Technology Service (DTS) via a DS3 uplink, as well as 2 backup T1 connections to DTS.

The LA office is connected to Sacramento via 1 DS3 trunk, the San Francisco office is connected to Sacramento over 1 DS3 trunk, and there is one DS3 trunk between the LA and San Francisco offices. Any individual DS3 trunk outage shifts the traffic to the remaining trunk, allowing uninterrupted access to the DTS and its applications.

The satellite offices are connected to one of the main offices over T1 trunks, though there is no backup provision for these trunks. The total number of T1 trunks for the WAN network is 12.

The routers in the three main offices for the CDI intranet are all Cisco 7509 routers. The external router connecting the CDI intranet to DTS and the Internet is the Cisco 7204. The satellite offices are connected to the main offices by Cisco 2600 and 3700 series routers.

This network supports Voice over IP (VoIP) and all of trunks maintain a 50% QoS for voice traffic. Each satellite office hosts Cisco 2800 series routers for VoIP survivability.

DTS is responsible for the operation and management of the CDI WAN including the routers and the trunks.

Local Area Network (LAN) Architecture

The 3 main CDI offices in Sacramento, Los Angeles, and San Francisco follow a two-tier switched LAN architecture. The core switch is the Catalyst 6509 with dual supervisory modules. The access switches in the wiring closet are Cisco 3700 PoE series. There are 1 Gbps fiber links connecting the core switch to the access switches. Since installed VoIP phones can only support 100 Mbps, desktops are restricted to the speed of 100 Mbps. The satellite offices support Cisco 3700 PoE series switches as well.

Network Supported Protocols

- Protocol
- Bootpc
- Bootps
- DLSw-PRN
- DNS
- FTP\_Ctrl
- FTP\_Data
- Gopher
- GTP98
- GTP-C
- GTP-U
- HTTP

- HTTPS
- ICA-Citrix
- ICMP
- IMAP
- IRC
- ISAKMP
- L2TP
- LPD
- MobIP
- MobRP
- MS-DS (Sharing)
- NCP over IP\_TCP
- NCP over IP\_UDP
- NetBIOS\_DGM\_U
- NetBIOS\_NS\_U
- NetBIOS\_SSN\_T
- NFS
- NNTP
- NTP
- Oracle
- Oracle-EM1
- Others
- Others\_TCP
- Others\_UDP
- POP
- POP3
- RIP
- RT Stream
- SLP\_TCP
- SLP\_UDP
- SMTP
- Sniffer
- SNMP
- SNMP\_Trap
- Telnet
- TFTP
- WAP\_CSS
- WAP\_PUSHCSS
- WAP\_PUSHSCSS
- WAP\_SCSS
- WAP\_SS
- WAP\_SSS
- WAP\_vCal
- WAP\_vCalS
- WAP\_vCard
- WAP\_vCardS
- WAP\_WTASCSS
- WAP\_WTASSS
- WINS
- XWin6000
- XWin6001

California Department of Insurance  
Current Point-to-Point Network

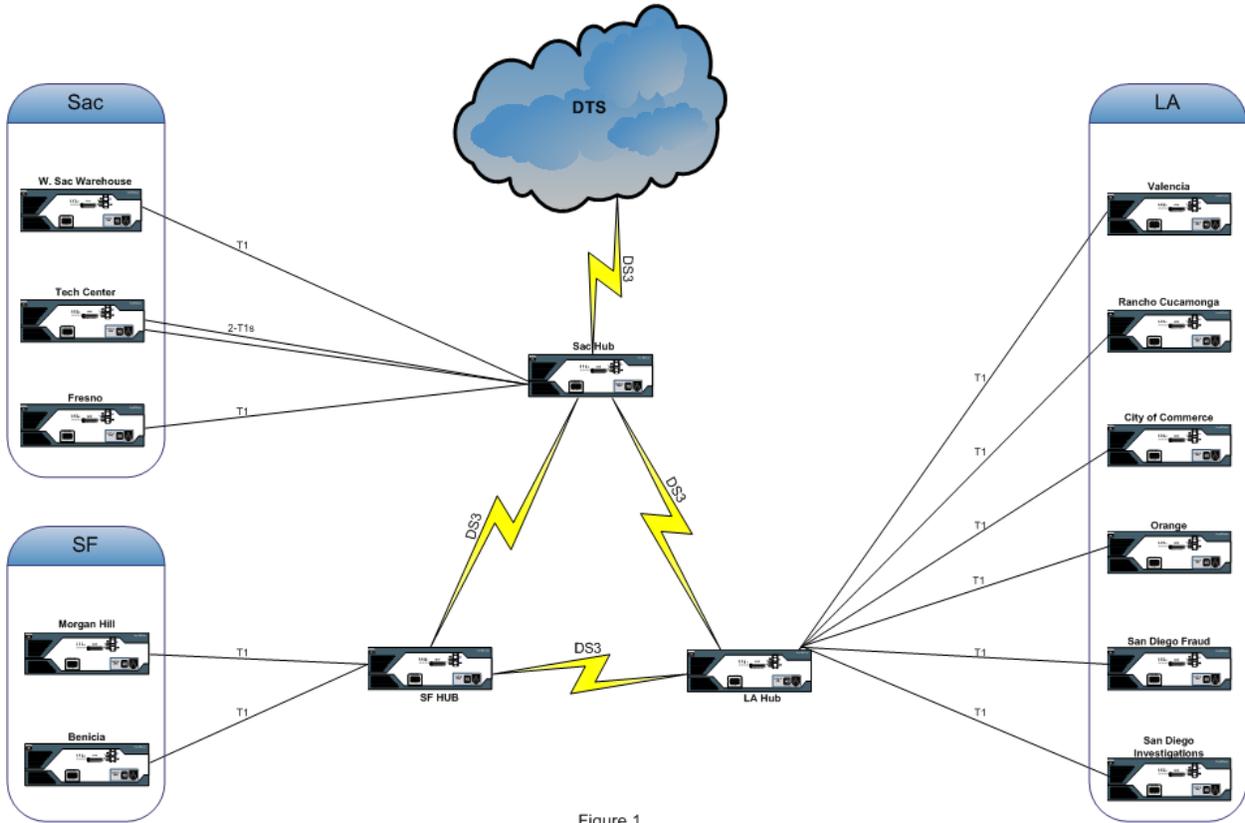


Figure 1