

DEPARTMENT OF INFORMATION TECHNOLOGY (DoIT)
Cost Pool Definitions for Information Technology (IT) Services FY10/11
(Effective July 1, 2009)

IT Labor (Hourly Billable)

B/A 1365 - Programmer/Developer: DoIT provides a variety of software programming services including maintenance of existing computer software applications; maintenance and development of WEB software applications; development of new software information systems, software testing and product support; and technical documentation of software. Programming service is a *per hour charge* and is billed monthly as incurred. **Expenditure GL is 7510.**

B/A 1365 - Data Base Administrator: DoIT performs a variety of database and technical information management services including administration and tuning of database management programs and systems, database support for new computer applications and designs, specialized data file management and support for database planning. DBA service is a *per hour charge* and is billed monthly as incurred. **Expenditure GL is 7511.**

Computing Services

B/A 1385 - Batch: Batch is a mainframe CPU (Central Processing Unit) *per minute charge*, for accumulated minutes, for any job in a JCL (Job Control Language) format and run under the z/OS operating system. Batch is billed monthly as incurred. **Expenditure GL is 7520.**

B/A 1385 - TSO: TSO (Time Sharing Option) allows users, primarily IT technicians, to develop, execute, store, and modify mainframe programs. TSO is a CPU *per minute charge*, for accumulated minutes, for any processing done using the TSO interactive system. TSO is billed monthly as incurred. **Expenditure GL is 7521.**

B/A 1385 - CICS: CICS (Customer Information Control System) is a mainframe transaction processing system used primarily by end-users. It provides a standard interface for application programs to communicate with workstations, files and databases. CICS is a CPU *per minute charge*, for accumulated minutes, for any processing done under CICS control. CICS is billed monthly as incurred. **Expenditure GL is 7522.**

B/A 1385 - DB2 (DBMS): DB2 is a mainframe relational DBMS (Database Management System) that provides data storage, retrieval, and integrity functions required by batch or CICS programs. DB2 is a CPU *per minute charge*, for accumulated minutes, for any database processing performed. DB2 is billed monthly as incurred. **Expenditure GL is 7523.**

B/A 1385 - Adabas: Adabas is a hierarchical mainframe DBMS (Database Management System) that provides data storage, retrieval, and integrity functions required by batch or CICS programs (currently used only by DETR). Adabas is a CPU *per minute charge*, for accumulated minutes, for any database processing performed. Adabas is billed monthly as incurred. **Expenditure GL is 7524.**

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B/A 1385 - Tape I/O (Input-Output): Tape I/O is an input/output action to read or write data to magnetic tape cartridges. Tape I/O is a *per 1,000 physical reads/writes charge* and is billed monthly as incurred. **Expenditure GL is 7525.**

B/A 1385 - Tape Storage: Large amounts of customer data are stored on magnetic tape cartridges. A computer operator (or an automated tape-loading robot) is required to mount a tape on a tape drive when a job requires the data the tape contains. Tape Storage is a *per tape/day charge* and is billed monthly as incurred. **Expenditure GL is 7526.**

B/A 1385 - Disk I/O: Disk or DASD I/O (Direct Access Storage Devices Input-Output) is an input/output action to read or write data to disk storage. DASD I/O is a *per 1,000 physical reads/writes charge* and is billed monthly as incurred. **Expenditure GL is 7527.**

B/A 1385 - Disk Storage: Disk or Direct Access Storage Devices (DASD) is available to all computer platforms hosted by the Computer Facility. User agencies are billed for all *reserved space*, including disk space actually consumed by data files, allocated volumes and space allocated to volume groups that are dedicated to a specific agency. Disk Storage is a *per MB/day charge* and is billed monthly as incurred. **Expenditure GL is 7528.**

B/A 1385 - Print Management: Print Management provides hard-copy printout of information. Print Management is a *per 1000 line charge* and is billed monthly as incurred. **Expenditure GL is 7529.**

B/A 1385 - UNIX Support: As with mainframe support, the UNIX servers used to provide UNIX Support to the IFS customers are the property of DoIT. UNIX *Support* service is a *per processor charge and is billed monthly as incurred.* **Expenditure GL is 7530.**

(Customer interested in hosting UNIX hardware at the Facility should refer to the **Server Hosting** section of this document. DoIT provides technical service and support for UNIX servers and related hardware and software. Services include monitoring, data backup, disaster recovery, and performance tuning.

B/A 1385 - Non-Server Hosting Basic: DoIT provides environmental support for agency-owned non-server equipment (e.g. tape storage devices, network devices, SAN (storage area network), NAS (network attached storage), external storage arrays, etc). All equipment must be covered with vendor hardware maintenance. Non-Server Support is a *per device/per month charge and is billed monthly as incurred.* This service includes air conditioning, fire protection, electrical and backup emergency electrical service, raised flooring and racking to accommodate cabling, and security. All system and data management of non-server hosted systems will be the responsibility of the agency that owns the equipment. **Expenditure GL is 7535.**

B/A 1385 - Server Hosting: DoIT provides environmental support for agency-owned servers. All equipment must be covered with vendor hardware maintenance. Specific monitoring, backup and disaster recovery plans will be defined in a Service Level Agreement between DoIT and the customer agency. Server Support is a *per server/per month charge based upon three levels of hosting available for agencies to select: Basic Hosting; Managed Hosting or Complete Hosting Service.* Server Hosting is billed monthly as incurred.

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- **Basic Hosting Service:** This service includes air conditioning, cooling equipment for the CPUs, fire protection, electrical and backup emergency electrical service, raised flooring and racking to accommodate cabling, and security. All system and data management of basic hosted systems will be the responsibility of the agency that owns the equipment. **Expenditure GL is 7536.**
- **Managed Hosting Service:** In addition to Basic Hosting this service includes:
 - **Monitoring:** DoIT will utilize a centralized monitoring tool to verify systems and/or services are up and running and will establish a notification protocol to alert agency staff of possible down systems.
 - **OS Security Patch Management:** On a regularly scheduled basis DoIT will apply critical security patches to each hosted server to ensure protection from OS vulnerabilities.
 - **Hardware Management:** Through alert notification DoIT will manage hardware failures on hosted systems.
 - **Anti-Virus Management:** DoIT will provide anti-Virus software and utilize a centralized AV console to ensure timely updates to new Virus definitions.
 - **Expenditure GL is 7537**
- **Full Hosting Service:** In addition to Managed Hosting, this service includes:
 - **Data Backup and Recovery:** DoIT will backup an agency's entire server. Backup media is stored off-site. Retention time will be specified in Service Level Agreement.
 - **Disaster Recovery:** In case of a failed system DoIT will coordinate with the agency to restore / rebuild environment. Details of Disaster Recovery will be specified in Service Level Agreement.
 - **Expenditure GL is 7538**

B/A 1385 - Web Services: This service is utilized by agencies that house a web site or web application on a DoIT web server. Agencies are *billed monthly based on usage pricing tier of projected bytes transferred or received*. The utilization ranges are tiered as follows: **Expenditure GL is 7532**

| Tier Ranges (Utilization in bytes) | | |
|--|-------------------|--------|
| 0 | 10,000,000 | Tier 1 |
| 10,000,000 | 100,000,000 | Tier 2 |
| 100,000,000 | 1,000,000,000 | Tier 3 |
| 1,000,000,000 | 10,000,000,000 | Tier 4 |
| 10,000,000,000 | 1,000,000,000,000 | Tier 5 |

B/A 1385 - E-mail Services: Enterprise e-mail accounts are provided and maintained for agency employees as requested. Enterprise E-mail Services are a *per mailbox/per month charge* for individual accounts and are billed monthly as incurred. There is a maximum 100MB storage limit on the mail server per mailbox. As agency employees reach their limit they may archive to an Outlook PST file on the agency's own systems. The Enterprise E-mail service runs on fault tolerant clustered servers providing 99.5% uptime. The following value added services are available to every Customer, Common Address Book; Centralized Scheduling of Resources; Public folders; Privacy of Information and Security; Shared Calendaring and Appointment Scheduling; Web access to email from the internet / intranet; Secure

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wireless email connectivity via BlackBerry Enterprise Server; Self-service E-mail Password Recovery; Anti-Virus and SPAM filter protection; IM / Audio/Video Conferencing & Collaboration; Client to email server encryption; Encrypted email capabilities to meet NRS 597.970. **Expenditure GL is 7533.**

B/A 1365 - Data Base Hosting: Database Hosting Service allows a customer agency to have their database on one of DoIT's production database servers housed at the DoIT Computer Facility. The monthly cost incurred by the agency is based on *a usage-pricing tier for the megabytes of storage that the database uses on the server.* The agency does not incur any database software costs. Currently DoIT has a production SQL Server database server available to customer agencies. **Expenditure GL is 7539.**

| Tier Ranges (Megabytes of storage) | |
|---------------------------------------|--------|
| 0-50 | Tier 1 |
| 50-100 | Tier 2 |
| 100-500 | Tier 3 |
| 500-1000 | Tier 4 |
| 1000-2000 | Tier 5 |
| additional GB | |

SilverNet Wide Area Network Services

B/A 1386 - Dial Up Access: This service allows customers the ability to securely use analog modems to connect to the SilverNet backbone at speeds up to 56kbs. Applications commonly used across this access point are E-mail, Internet, IFS and connectivity to agency Local Area Networks. Dial Up Access is *billed per connection /per month* as is billed monthly as incurred. **Expenditure GL is 7541.**

B/A 1386 - SilverNet Access: SilverNet is the State's Wide Area Network (WAN), used by agencies for connection between agency PCs and LANs, host computers and state application programs, and outside access to the Internet. Agencies are *billed monthly based on usage pricing tier.* **Expenditure GL for SilverNet Access is 7542.**

The SilverNet Data Rate utilization ranges are as follows (per month):

| Usage Tier | |
|--------------------------|--------|
| 0 to 5 gigabytes | Tier 1 |
| 5.01 to 10 gigabytes | Tier 2 |
| 10.01 to 20 gigabytes | Tier 3 |
| 20.01 to 40 gigabytes | Tier 4 |
| 40.01 to 80 gigabytes | Tier 5 |
| 80.01 to 160 gigabytes | Tier 6 |
| 160.01 to 320 gigabytes | Tier 7 |
| 320.01 to 640 gigabytes | Tier 8 |
| 640.01 to 1280 gigabytes | Tier 9 |

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B/A 1386 - VPN Secure Link: Encrypting data between two points creating a “tunnel” between them creates a Virtual Private Network (VPN). VPN access allows users to interact with the SilverNet through the public Internet. Unlike dial-up, VPN creates a point-to-point connection between your PC (via a modem) and an access server (modem server) inside the DoIT private network through your Internet Service Provider. VPN Access is *billed per connection /per month* and is billed monthly as incurred. **Expenditure GL is 7545.**

Telecommunication Services

B/A 1387 - State Phone Line: State Phone Line service is a *per line/per month charge* for lines used for telephone, fax or modem for users on the State PBX telephone system only. It is billed monthly as incurred. **Expenditure GL is 7295.**

B/A 1387 - Voice Mail: Voice mail service is a *per voice mail-box/per month charge* for each voice mailbox for users on the State PBX telephone system only. It is billed monthly as incurred. **Expenditure GL is 7292.**

B/A 1387 - Long Distance: Long distance toll service is an *aggregated per minute charge*. This service refers to inter-state, intra-state, and international long distance phone calls made through a commercial service provider. It is billed monthly as incurred. **Expenditure GL is 7296.**

B/A 1387 - 800 Toll Free Service: 800 type telephone service is an *aggregated per minute charge* for all inbound toll free calling to a designated 800 type telephone number. It is billed monthly as incurred. **Expenditure GL is 7297.**

B/A 1387 - Phone Credit Card: Phone credit card service is an *aggregated per minute charge* for all calling made using a telephone company calling card issued to individual agency employees by the State of Nevada. It is billed monthly as incurred. **Expenditure GL is 7298.**

B/A 1387 - Work Order Administration: This is a service charge for work coordination, supervision, inspection, and contractor administration for work performed by a commercial telecommunications vendor. The work order service charge is a *percentage-based charge* added to the vendor invoice. It is billed when the work is complete. **Expenditure GL is same as associated service.**

B/A 1387 - Voice System Administration: Voice system administration is a *per port/per month charge* for system administration of a PBX telephone system where equipment has been purchased by the using agency and is billed on a monthly basis as incurred. **Expenditure GL is 7293.**

B/A 1387 - PBX Network Access: PBX Network Access is a service provided by DoIT to State agencies that have their own Avaya telephone PBX. This service allows such agencies to have a voice network connection to the State Telephone System allowing the using agencies to greatly reduce their intrastate toll charges. PBX Network Access is a *per connection/per month charge* and is billed monthly as incurred. **Expenditure GL is 7509.**

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B/A 1387 - Conference Calls: There is no charge to the customer to use the States voice conferencing system. Service is established through the State Operators. If the customer chooses to use AT&T (or still uses Intercall) voice conferencing systems, the customer will be billed directly from AT&T (or Intercall). Video conferencing is billed directly to the customer.

Network Transport Services

B/A 1388 - Site Space Rent: Site space is used to house and support agency owned communications equipment at remote sites. Site space is defined as the occupied space within an enclosed, environmentally controlled facility with a physical dimension of 2 feet in width, 2 feet in depth and 7 feet in height and includes the provision for one antenna mounted on a vertical support structure, and power usage. Site Space Rent is a *per rack/per year charge* and is billed quarterly and annually. **Expenditure GL is 7550.**

B/A 1388 - Channel Rent: Channel rent service provides a dedicated 64 kbps circuit or channel designated specifically for the user agency, and is used primarily for telephone and radio voice circuits, radio control and remote site services. A standard or basic channel may be used to transmit voice (analog) or data communications (digital). All channels use at least two channel ends; however, under special circumstances, some channels may use more and requires additional equipment. Channel rent is a *per channel end/per year charge* and is billed quarterly and annually. **Expenditure GL is 7551.**

B/A 1388 - DS1 Circuit: DS1 Circuit service provides a dedicated circuit capable of delivering 1.544 Mbs designed specifically for the using agency, and is used primarily for high volume voice and data services. DS1 Channel rent is a *per channel /per month charge* and is billed monthly. **Expenditure GL is 7552.**

Security Services

B/A 1389 – Nevada Card Access System: The enterprise Nevada Card Access System is utilized by State agencies that have installed a “keyless” card access control system. DoIT provides the central server, software, and administrative support that allow agencies to program access control for their spaces. The fee is a *per reader/per month charge* and is billed monthly. **Expenditure GL is 7557.**

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Assessments

B/A 1389 - Security Assessment: The Security Assessment is used to establish and administer a State Information Security Program and to support all agencies in developing, implementing and maintaining agency specific IT Security Programs through establishment of statewide security policies, standards and procedures. Specific coordination, direction and support to the state is provided through conducting risk assessments with risk mitigation recommendations; information security plans; IT contingency plans; technical security architecture; security awareness training; and computer security incident response efforts. Staff is well versed in all IT security disciplines with specialties in network security, data security, risk assessments, web security, security administration, computer security incident response (CSIRT) and contingency planning. *Assessment to all agencies is based on FTE count and is billed quarterly and annually.* **Expenditure GL is 7556.**

B/A 1387/1365/1385 - Infrastructure Assessment: This assessment supports several units within DoIT and is designed to more appropriately charge for the following services rather than inflate the other billable services supplied by DoIT. The Infrastructure Assessment includes: DNS Routing, Help Desk, State Web portal, Web Page Development, State toll free access, State on-line phone book, and State Operator service. *Assessment to all agencies is based on FTE count and is billed quarterly and annually.*

- B/A 1385: Centralized DNS Servers route all incoming and outgoing web traffic.
- B/A 1385: DoIT's Help Desk serves all State agencies by providing one access point for all DoIT services (e.g. PC LAN Tech, mainframe security and passwords, e-mail accounts, billing questions, WAN outages, etc.)
- B/A 1385: The State Web Portal is the State's main web page and is the starting point for the general public and state staff to access the state web.
- B/A 1385: State List Server facilitates delivery of messages to work groups and organizations both inside and outside state government. Examples of this include the distribution of press releases and advisories from the Governor's Office and distribution of time sensitive information regarding large projects that span multiple agencies.
- B/A 1385: Capacity planning and management that ensures the State can anticipate future IT resource requirements and plan for sufficient computer and communication capacity in a cost-effective manner to meet the service need of all users
- B/A 1365: The Web Page Development unit provides a variety of web page development and support services for all agencies within the State of Nevada, including constitutional offices.
- B/A 1387: State toll free access provides an "800" number which is available to access the State Operators. (This is intended to be used by State employees while traveling to call back to their home offices.)
- B/A 1387: The State phonebook is available on-line via the Internet and it provides a complete listing of all employees. The State phonebook is routinely updated and has replaced the printed state directory.
- B/A 1387: The State Operator service supports two full time state Phone Operators who answer calls from the general public and forward these calls to the appropriate department, agency, board, or commission.
- **Expenditure GL is 7554.**