

# COMPRIZON™SUITE Commercial Price List

**January 1, 2007** 

Ву

CACI, INC. - FEDERAL

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# Terms and Conditions Applicable to ComprizonSuite Licenses and Maintenance Services

## **ComprizonSuite Product Description**

ComprizonSuite integrates and streamlines the entire acquisition management process from requisition through contract/purchase to order closeout. ComprizonSuite is platform independent and operates on Internet Explorer version 5.5 or greater in multiple desktop environments (e.g.; Windows, OS2, Mac OS, UNIX) and with J2EE Web/application/database server combinations. ComprizonSuite consists of two integrated modules. These modules function independently; however, combine seamlessly to manage the entire acquisition process. The modules are Comprizon.Request and Comprizon.Award:

- Comprizon.Request provides Web requisitioning, routing for review and approvals, support documentation, real-time status checks, and development of acquisition plans
- Comprizon.Award provides automated preparation and management of purchase requests, acquisition plans, solicitations, amendments, contracts, and modifications, with options for PKI or server signing non-repudiation technologies

## **Guarantee/Warranty**

CACI warrants that it has the right to grant a license as provided herein. CACI further warrants that the **Product** will perform substantially as described in the online user documentation, accessible from within the Comprizon application, provided that the **Licensee** makes no change to the **Product**. In the event the **Product** fails to perform in accordance with its documentation, **Licensee's** remedy is to return the **Product** within a one-year period for replacement or a refund of license fees paid, at **CACI's** option. All **Product** support services ("**Services**") will be provided pursuant to **CACI's** Software Support Services Policy, in a workmanlike manner, consistent with industry practice.

CACI warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this pricelist. Except as otherwise provided by an express or implied warranty; CACI will not be liable to the Client for consequential damages resulting from any defect or deficiencies in accepted items.

#### **Technical Services**

CACI provides a technical support number 1-800-682-8049 for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from 8:30 AM to 5:30 PM Eastern Time. Technical services in support of software implementation can be requested and purchased from the pricelist provided herein.

## **Periods of Maintenance**

Maintenance may be discontinued by the Client on thirty (30) calendar days written notice to CACI. Clients should notify CACI in writing thirty (30) calendar days prior to the expiration of an order, if the term licenses and/or maintenance is to be terminated at that time. Orders for the continuation of term licenses and/or maintenance will be required if the term licenses and/or maintenance is to be continued during the subsequent period.

## **Utilization Limitations**

- Title to and ownership of the software and documentation shall remain with CACI, unless otherwise specified.
- Software licenses are by site and by Client. The software may be used by any subdivision of the Client that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. The Client will take appropriate action by instruction, agreement, or otherwise, to protect CACI's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user Client's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user Client.
- Except as is provided above, the Client shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of CACI. Third parties do not include prime Contractors, subcontractors and agents of the Client who have the Client's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the Client to use software, documentation, or information therein, which the Client may already have or obtains without restrictions.
- The Client shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of disaster recovery, the Client has the right to transfer the software to another site if the Client site for which it is acquired is deemed to be unsafe for Client personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.

#### **Software Conversions**

Full monetary credit will be allowed to the Client when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. The purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version.

A monetary credit will be allowed to the Client when conversion from one version of the software to a Major Release. A "Major Release" is defined as a release of software that constitutes a new product baseline and is not provided under current Software Support. It is indicated by a higher number to the left of the decimal point (e.g.; Version 1.3 to 2.0). An example of a Major Release is the change from the character-based version of a system to the MS Windows based version of a system. The license fee payable for the Major Release will be reduced by an amount equal to 50% of the license fee that was paid to license the earlier version of the software.

## **ComprizonSuite Software Maintenance Policy**

Software Maintenance Services are provided by CACI, INC.-FEDERAL ("CACI") to licensed users ("Licensees") of CACI's ComprizonSuite of software products and their individual or collective integrated capabilities as offered by CACI (collectively, the "Products") in consideration of an annual Software Support Services fee. NOTE: All terms in "bold" text are defined at the rear of this Software Support Services Policy.

## **Software Support Services**

CACI provides the following Software Support Services related to the then-current, commercially-available **Release** of the Products:

- a) Updates,
- b) Upgrades,
- c) Error Correction services, and
- d) **Help Desk** services. Help desk services will also be provided for the **Release** immediately preceding CACI's then-current, commercially-available **Release** of the Products, including any **Updates** or **Upgrades** thereto. See "Help Desk Operations."

Note: Each Licensee shall designate no more than two (2) systems administrators - one as its primary designated point of contact (POC) for all Software Support Services, and the other as its secondary, or alternate, POC for all Software Support Services. All requests for Software Support Services, including Help Desk services, must be routed through Licensee's POCs. Licensee agrees to immediately notify CACI in writing of its designated POCs and any change in designated POCs. Software Support Services do not include **Upgrades** to **Major Releases** or any other service not specifically listed or described herein. Such additional services are available from CACI under separate agreement. Further, CACI shall not provide Software Support Services for any Products which Licensee has modified without CACI's expressed consent and written authorization.

## Responsibilities

CACI's Software Support Services personnel rely on teamwork with Licensees to ensure that the Products are functioning as specified in CACI's then-current **Documentation** (or **Documentation Updates**) and to successfully resolve any reproducible software errors Licensee may experience. Accordingly, Licensees are expected to:

- a) Install and use the Products in accordance with the instructions provided in the **Documentation** (and **Documentation Updates**),
- b) Install all **Updates** and **Upgrades** in a timely manner,
- c) Use reasonable efforts to maintain hardware, software, and LANs in good working order,
- d) Document all relevant information on operating conditions that CACI's Software Services
  personnel may reasonably require to reproduce a suspected software error and diagnose the
  problem, and
- e) Implement CACI recommended remedial, corrective or work-around procedures in a timely manner.

## **Help Desk Operations**

CACI provides a toll-free telephone number which POCs may use during CACI's normal business hours ("Principal Period", or 8:30 AM to 5:30 PM Eastern Time, Monday through Friday, excluding Government holidays) to reach CACI's Help Desk. The Help Desk may also be reached via CACI's facsimile number or e-mail address. CACI's response efforts begin when the POCs request for Software Support Services is received by the Help Desk. A "system down" call will receive immediate attention from CACI's Software Support Services personnel. All other calls will be documented and the trouble report routed to a member of CACI's Software Support Services organization who will take all reasonable measures to respond to the POC in accordance with the priority of the request. Calls to the Help Desk will be prioritized based on CACI's assessment of the severity of the problem per the information provided by the Licensee.

#### **Defined Terms**

- 1) <u>Documentation:</u> Any manuals provided by CACI with the Products to assist Licensees with the installation, use, operation, or administration of the Products.
- 2) <u>Documentation Updates:</u> Provided to Licensees by CACI to correct errors in the Documentation or as a part of a new release of the Product(s). Updates may be in the form of change pages, or reissued manual as determined by CACI.
- 3) <u>Help Desk:</u> Primary Licensee's telephone hotline interface to CACI's Software Support Services personnel for assistance in resolving questions about the Products including, but not limited to, installation and usage, configuration and reconfiguration, and system maintenance, administration and operation thereof.
- 4) <u>Software Trouble Report (STR):</u> A trouble report is generated by CACI each time it is thought that a software correction is required to fix a problem reported to CACI's Help Desk. This trouble report is used to track the problem to resolution. Each STR is numbered, prioritized, reviewed, acted upon and documented internally at CACI. Each release contains documentation regarding STRs that have been addressed in that release.
- 5) Error Correction: A resolution to a software or documentation error reported to CACI's Help Desk. Error Correction may take the form of a short-term work-around, Documentation Update, Maintenance Release, or a longer-term software correction provided in a Upgrade Release of the Product (by CACI to the Licensee), depending upon CACI's determination of the severity of the problem and/or the complexity of the solution. Maintenance Releases may be provided by CACI on an "as-needed" basis after the Licensee has contacted, and worked through a problem with, CACI's Help Desk. However, most corrections are provided via regular Upgrade Releases of the Product.
- 6) Release: A software package, including associated documentation that is generated when the Product is modified for distribution to customers. There are three categories of Releases, as follows:
  - a) Maintenance Release: Software package that contains fixes to outstanding software problems, or software changes resulting from changes to the Federal Acquisition Regulations ("FAR"), the Federal Procurement Data System-Next Generation ("FPDS-NG") requirements and data elements, and related policy but no new software baseline functionality.

    Maintenance Releases are indicated by a higher version number to the right of the letter (e.g.; 2.3b01 to 2.3b02.)

- b) Enhancement Release: Software package that contains enhancements such as new or redesigned functionality. Enhancement Releases are indicated by a higher version to the right of the decimal point (e.g.; Release 1.1b to 1.1c, or Release 1.1 to 1.2.) A letter increment represents minor changes in functionality, whereas a number increment represents more significant enhancements. Enhancement Releases also include the types of changes included in Maintenance Releases.
- c) <u>Major Release</u>: A release that constitutes a new product baseline and is not provided under current product maintenance. It is usually indicated by a higher number to the left of the decimal point (e.g.; Version 1.3 to 2.0.) An example of a Major Release is the change from the character-based version of Comprizon to the MS Windows based version of Comprizon.
- 7) Update: Changes/additions in Acquisition Regulation clauses.
- 8) <u>Upgrade:</u> Movement to a new Release of the software; including Maintenance Releases, Enhancement Releases, and Major Releases.
- 9) <u>Problem Priorities</u>: CACI uses four problem priority levels to indicate the impact and importance of problems as follows:

Emergency System Down or rendered effectively unusable for all users of the software at

one or more sites. The goal is to address the problem immediately to get the

site(s) operational again.

<u>High</u> More isolated problem with no workaround solution, affecting multiple users

at one or more sites. First priority repairs for next release.

<u>Medium</u> Problem with a workaround solution affecting one or more users.

Low Problem with minimal customer impact.

Problems are addressed in priority order with Emergency and High problems reviewed periodically by CACI management.

10) <u>System Down:</u> Situation where the problem in question has rendered the software unusable by all users at one or more sites.

## **ComprizonSuite Product License and Maintenance Pricelist**

FULL SYSTEM LICENSE (COMPRIZON.AWARD)

Ref No.	No. of Users	Price	Price Per User
SWL-C-001	1	\$3,262	\$3,262
SWL-C-006	2 thru 6	\$8,227	\$1,371
SWL-C-016	7 thru 16	\$14,807	\$925
SWL-C-032	17 thru 32	\$25,560	\$799
SWL-C-048	33 thru 48	\$38,180	\$795
SWL-C-064	49 thru 64	\$49,522	\$774
SWL-C-080	65 thru 80	\$60,704	\$759
SWL-C-096	81 thru 96	\$66,330	\$691
SWL-C-112	97 thru 112	\$70,422	\$629
SWL-C-128	113 thru 128	\$77,814	\$608
SWL-C-144	129 thru 144	\$86,960	\$604
SWL-C-160	145 thru 160	\$95,847	\$599
SWL-C-176	161 thru 176	\$103,973	\$591
SWL-C-192	177 thru 192	\$111,787	\$582
SWL-C-208	193 thru 208	\$119,748	\$576
SWL-C-250	209 thru 250	\$143,635	\$575
SWLB-C	SMALL BUREAU 500	\$319,361	\$639
SWLLB-C	LARGE BUREAU 1250	\$429,412	\$344
SWLSD-C	SMALL DEPT. 2500	\$600,694	\$240
SWLMD-C	MEDIUM DEPT. 5000	\$840,297	\$168
SWLD-C	DEPT. 12500	\$1,175,468	\$94
SWLLD-C	LARGE DEPT. 25000	\$1,644,330	\$66
SWLXD-C	EXTRA LARGE DEPT. 50000	\$2,298,354	\$46

- ComprizonSuite Full System is defined to be Purchasing and Contracting functionality. Full System capability refers to Comprizon. Award for web-based solution
- ComprizonSuite External User Desktop is defined to be the Requisitioner/Customer
  module. This External User module permits procurement requests from external users
  (users outside the Contract Specialist community). This additional capability is
  offered as an additional add-on to Comprizon.Request for web-based solution.

**EXTERNAL USER (COMPRIZON.REQUEST)** 

Ref No.	No. of Users	Annual Price Per User
SWL-EXT-C-10	1 thru 10	\$206
SWL-EXT-C-50	11 thru 50	\$123
SWL-EXT-C-100	51 thru 100	\$87
SWL-EXT-C-500	101 thru 500	\$55
SWL-EXT-C- UNLIM	> 500	\$37

- ComprizonSuite Full System is defined to be Purchasing and Contracting functionality. Full System capability refers to Comprizon.Award for web-based solution.
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- ComprizonSuite External User Desktop is defined to be the Requisitioner/Customer module. This External User module permits procurement requests from external users (users outside the Contract Specialist community). This additional capability is offered as an additional add-on to Comprizon.Request for web-based solution.

**FULL SYSTEM MAINTENANCE (COMPRIZON.AWARD)** 

Ref No.	No. of Users	Price per Year	Price per Month
SWSSF-C-001B	1	\$2,060.70	\$171.72
SWSSF-C-006B	2 thru 6	\$4,879.93	\$406.66
SWSSF-C-016B	7 thru 16	\$8,478.54	\$706.54
SWSSF-C-032B	17 thru 32	\$14,199.12	\$1,183.26
SWSSF-C-048B	33 thru 48	\$20,698.95	\$1,724.91
SWSSF-C-064B	49 thru 64	\$24,625.41	\$2,052.12
SWSSF-C-080B	65 thru 80	\$28,100.84	\$2,341.74
SWSSF-C-096B	81 thru 96	\$33,062.76	\$2,755.23
SWSSF-C-112B	97 thru 112	\$36,815.13	\$3,067.93
SWSSF-C-128B	113 thru 128	\$39,993.28	\$3,332.77
SWSSF-C-144B	129 thru 144	\$42,156.44	\$3,513.04
SWSSF-C-160B	145 thru 160	\$46,698.04	\$3,891.50
SWSSF-C-176B	161 thru 176	\$50,593.92	\$4,216.16
SWSSF-C-192B	177 thru 192	\$55,002.36	\$4,583.53
SWSSF-C-208B	193 thru 208	\$59,287.61	\$4,940.63
SWSSF-C-250B	209 thru 250	\$72,543.49	\$6,045.29
SWSSFBB-C	SMALL BUREAU 500	\$174,490.12	\$14,540.84
SWSSFLBB-C	LARGE BUREAU 1250	\$233,890.43	\$19,490.87
SWSSFSDB-C	SMALL DEPT. 2500	\$326,148.83	\$27,179.07
SWSSFMDB-C	MEDIUM DEPT. 5000	\$454,812.13	\$37,901.01
SWSSFDB-C	DEPT. 12500	\$634,213.01	\$52,851.08
SWSSFLDB-C	LARGE DEPT. 25000	\$884,363.25	\$73,696.94
SWSSFXDB-C	EXTRA LARGE DEPT. 50000	\$1,232,184.84	\$102,682.07

- 1. Term "Bundled" includes ComprizonSuite Acquisition Regulation updates.
- ComprizonSuite Full System is defined to be Purchasing and Contracting functionality. Full System
- capability refers to Comprizon.Award for web-based solution.

  ComprizonSuite External User Desktop is defined to be the Requisitioner/Customer module. This External User module permits procurement requests from external users (users outside the Contract Specialist community). This additional capability is offered as an additional add-on to Comprizon.Request for web-based solution.

## **EXTERNAL USER MAINTENANCE (COMPRIZON.REQUEST)**

Ref No.	No. of Users	Price
SWL-EXT-C-10	1 thru 10	\$206
SWL-EXT-C-50	11 thru 50	\$123
SWL-EXT-C-100	51 thru 100	\$87
SWL-EXT-C-500	101 thru 500	\$55
SWL-EXT-C-UNLIM	> 500	\$37

- Term "Bundled" includes ComprizonSuite Acquisition Regulation updates.
- ComprizonSuite Full System is defined to be Purchasing and Contracting functionality. Full System capability refers to Comprizon.Award for web-based solution.
- ComprizonSuite External User Desktop is defined to be the Requisitioner/Customer module. This External User module permits procurement requests from external users (users outside the Contract Specialist community). This additional capability is offered as an additional add-on to Comprizon.Request for web-based solution.

# Terms and Conditions Applicable to Training Courses and Onsite Support

CACI provides training through two formats. Training is conducted by CACI at a designated CACI facility according to a schedule periodically published by CACI which lists available courses, planned dates and locations. All CACI location training courses provide one-to-one assignment of workstation to student. Training is also conducted, by arrangement, at customer designated locations.

## **Time of Delivery**

CACI shall conduct training on the date (time, day, month, and year) agreed to by CACI and the Client.

## **Cancellation and Rescheduling**

For training conducted at CACI sites and scheduled from the published class dates, the Client shall notify CACI at least seventy-two (72) hours before the scheduled training date, if a student will be unable to attend. CACI will then permit the Client to either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the Client shall modify its original training order to specify the time and date of the rescheduled training class.

In the event the Client fails to cancel or reschedule a training course within the time frame specified above, the Client will be liable for the contracted dollar amount of the training course. CACI agrees to permit the Client to reschedule a student who fails to attend a training class within ninety (90) days from the original course date, at no additional charge.

In the event CACI is unable to conduct training on the date agreed to by CACI and the Client, CACI must notify the Client at least seventy-two (72) hours before the scheduled training date.

For training conducted at a Client designated site, personnel who fail to attend will not be rescheduled. The client may substitute another student for a missing individuals place. Clients will be able to reschedule a Customer site training session as follows:

- 60 Days prior to scheduled training, no charge for delaying or canceling a training session
- 30 Days prior to scheduled training, 10% of course cost for delaying a training session, 30% of course cost for canceling a training session, 100% of any travel cost incurred
- 15 Days prior to scheduled training, 20% of course cost plus actual costs incurred for that course as of date of notification for delaying a training session, 50% of course cost for canceling a training session
- Less than 15 days, 50% of course cost plus actual costs incurred for that course as of date of notification for delaying or canceling a training session

## **Format and Content of Training**

CACI shall provide written materials (i.e., manuals, handbooks, texts). Such documentation will become the property of the student upon completion of the training class.

For hands-on training courses, there must be a one-to-one assignment of IT equipment to students.

CACI shall provide each student with a Certificate of Training at the completion of each training course.

CACI shall provide the following information for each training course offered:

- The course title and a brief description of the course content, to include the course format (e.g.; lecture, discussion, hands-on training);
- The length of the course;
- Mandatory and desirable prerequisites for student enrollment;
- The minimum and maximum number of students per class;
- The locations where the course is offered;
- Class schedules; and
- Price (per student, per class (if applicable)).

For those courses conducted at the Client's location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g.; per diem charges) are reimbursable by the Client.

## **Definitions – Training Courses and Production Support**

## **Course Title: ComprizonSuite for Managers Course (CMGR-1)**

This course is designed to provide you with the necessary information required to effectively manage your automated procurement office. Through a combination of lecture and discussion, you will be instructed on how to get the most from your ComprizonSuite system; and evaluate workflow and your information management needs in relation to ComprizonSuite reporting procedures and ad hoc capabilities. In addition, you will share management and operational strategies for improving the procurement process. This course includes lecture and discussion.

Length of Course: 3 days Prerequisite: None

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

#### **Course Title: ComprisonSuite Contracting Course (CUSR-2)**

This course provides hands-on instruction in the use of ComprizonSuite to meet contracting requirements. The course begins by familiarizing you with the ComprizonSuite database, structure, and basic functionality. The course will cover all aspects of contracting from preparing the acquisition plan, routing for approval, preparation of the purchase request, solicitation, amendment, award, and modification, as well as receiving, payments, and close out. Other topics covered during the course are FED BIZ OPPS, FPDS-NG. This course includes lecture, discussion and hands-on training.

Length of Course: 5 days Prerequisite: None

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## Course Title: ComprizonSuite Contracting Officer's Representative Course (CCOR-1)

This comprehensive course is designed to provide non-contracting personnel, including the Contracting Officer's Representative (COR), Contracting Officer's Technical Representative (COTR), technical officer (TO), and project officer (PO) with knowledge of the federal acquisition process as well as the knowledge and skills to execute their responsibilities as a representative of the contracting officer.

Length of Course: 3 days Prerequisite: None

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## **Course Title: ComprizonSuite Contract Modifications Course (CUSR-5)**

This course provides an in-depth focus on how to perform the modification function. Each of the types of modifications (administrative, supplemental, etc.) will be presented through the modification stages (draft, validate, cancel). Detailed instruction will be provided to ensure you know when to add line items, how to eliminate line items, how to increase/decrease the obligated funds, and when each action is appropriate.

Length of Course: 2 days

Prerequisite: Contracting Course --- there is no SAP class listed

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## **Course Title: ComprizonSuite System Administration Course (CSA-2)**

This course addresses the specific system administration requirements for maintenance of ComprizonSuite. It provides an introduction to contracting from the system administrator's perspective. You will be instructed on routine database procedures, including database set up and maintenance, data file management, and acquisition regulation supplement maintenance. In addition, you will also be introduced to ad hoc reporting and troubleshooting techniques. This course includes lecture, discussion and hands-on training.

Length of Course: 3 days

Prerequisite: Familiarity with Client's operating system

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## **Course Title: ComprizonSuite Ad Hoc Inquiry Course (CCSA-7)**

This course, while intended as an introductory course, will take users with various experience levels through the use of SQL commands and the data dictionary. Through extensive and frequent hands-on lab exercises, you will be instructed on how to create, store, execute and print ad hoc results. During the SQL programming section, you will be introduced to such concepts as programming structure, single and multiple file interaction, and report formatting. Other topics include using array processing and indexes for formatting your reports for a polished, professional look. This course includes lecture, discussion and hands-on training.

Length of Course: 5 days

Prerequisite: ComprizonSuite System Administration Course or 3 months of production experience

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## **Course Title: ComprizonSuite Requisition Entry Course (CRE-1)**

This course is designed for procurement customers and procurement support personnel. The procurement clerk responsible for data entry within the procurement office, budget personnel, and managers who approve expenditures are all likely to benefit from this one day class. After a brief overview of the ComprizonSuite database, topics covered include: requisition data entry; electronic review and approval procedures; financial interface functions; and, finally electronic submission of the funded requisition to the appropriate procurement subsystem or supervisor's worksheet. Finally, discussions include viewing the Customer module in the context of procurement policy and procedures. This course includes lecture, discussion and hands-on training.

Length of Course: 1 day Prerequisite: None

Course Location(s): CACI Training Center at Chantilly, VA and Customer Location

## **Title: ComprizonSuite Production On-Site Floor Support (CUSR-5)**

On-site floor support for ComprizonSuite allows your users to benefit from the on-site training expertise of CACI personnel with experience in typical procurement operations. This on-site floor support addresses issues or pressure points that the user and system administrators may encounter and helps improve the procurement workflow. On-site floor support allows for group or one-on-one interaction to facilitate solutions to database issues or problems. The work shall include, to the degree reasonable, conversion of certain data, system re-loads, and the like, either stand-alone or supported remotely by CACI staff located at CACI's plant. This course includes discussion and hands-on training.

Length of Course: 5 days

Prerequisite: None

Course Location(s): Customer Location Only

# **ComprizonSuite Training Course Pricelist**

## MANAGERS (CMGR-1) — 3-Day Course

CACI TRAINING CENTER (Attendance at published times):		
ST-IN-CMGR1	PER STUDENT	\$1,079.04
CACI TRAINING CENTER (Negotiated times):		
ST-CIN-CMGR1	1-3 STUDENTS	\$2,941.16
ST-CIN-CMGR1- 4	4TH PLUS (PER STUDENT)	\$632.31
CUSTOMER LOCATION:		
ST-CL-CMGR1	1-3 STUDENTS	\$3,791.74
ST-CL-CMGR1-4	4th PLUS (PER STUDENT)	\$439.64
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 8 OR MORE STUDENTS	\$5,431.41

## CONTRACT TRAINING (CUSR-2) — 5-Day Course

Continue (Cook 2) Course			
CACI TRAINING CENTER (Attendance at published times):			
ST-IN-CUSR2	PER STUDENT	\$1,507.05	
CACI TRAINING CENTER (Negotiated times):			
ST-CIN-CUSR2	1-3 STUDENTS	\$4,109.42	
ST-CIN-CUSR2- 4	4TH PLUS (PER STUDENT)	\$881.33	
CUSTOMER LOCATION:			
ST-CL-CUSR2	1-8 STUDENTS	\$8,372.54	
ST-CL-CUSR2-4	9TH PLUS (PER STUDENT)	\$614.87	
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 8 OR MORE STUDENTS	\$5,431.41	

<sup>1.</sup> Travel is reimbursible.

<sup>2.</sup> Training resources must be allocated in advance; therefore, cancellations or deferrals must be received by CACI at least 10 days prior to scheduled start of an engagement.

# CONTRACTING OFFICER'S REPRESENTATIVE (CCOR-1) — 3-Day Course

(3331(1) 3	Bay Course	
CACI TRAINING CENTER (Attendance at published times):		
ST-IN-CCOR1	PER STUDENT	\$1,079.04
CACI TRAINING C	ENTER (Negotiated times):	
ST-CIN-CCOR1	1-3 STUDENTS	\$2,941.16
ST-CIN-CCOR1- 4	4TH PLUS (PER STUDENT)	\$632.31
CUSTOMER LOCA	ATION:	
ST-CL-CCOR1	1-3 STUDENTS	\$3,791.74
ST-CL-CCOR1-4	4th PLUS (PER STUDENT)	\$439.64
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 8 OR MORE STUDENTS	\$5,431.41

## Contract Modifications (CUSR-5) — 2-Day Course

CACI TRAINING CENTER (Attendance at published times):			
ST-IN-CCOR1	PER STUDENT	\$1,235.79	
CACI TRAINING C	ENTER (Negotiated times):		
ST-CIN-CCOR1	1-3 STUDENTS	\$3,251.75	
ST-CIN-CCOR1- 4	4TH PLUS (PER STUDENT)	\$724.54	
CUSTOMER LOCATION:			
ST-CL-CCOR1	1-8 STUDENTS	\$6,901.98	
ST-CL-CCOR1-4	9th PLUS (PER STUDENT)	\$507.27	
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 8 OR MORE STUDENTS	\$5,431.41	

- 1. Travel is reimbursible.
- Training resources must be allocated in advance; therefore, cancellations or deferrals must be received by CACI at least 10 days prior to scheduled start of an engagement.

## SYSTEM ADMINISTRATION (CSA-2) — 3-Day Course

CACI TRAINING CENTER (Attendance at published times):		
ST-IN-CSA2	PER STUDENT	\$1,235.79
CACI TRAINING CENTER (Negotiated times):		
ST-CIN-CSA2	1-3 STUDENTS	\$3,381.82
ST-CIN-CSA2-4	4TH PLUS (PER STUDENT)	\$724.54
CUSTOMER LOCATION:		
ST-CL-CSA2	1-3 STUDENTS	\$4,365.63
ST-CL-CSA2-4	4TH PLUS (PER STUDENT)	\$507.27

## AD HOC INQUIRY (CCSA-7) — 5-Day Course

	ENTER (Negotiated times):	_
ST-IN-CSA7	PER STUDENT	\$1,687.89
CACI TRAINING C	ENTER (Negotiated times):	
ST-CIN-CSA7	1-3 STUDENTS	\$4,611.58
ST-CIN-CSA7-4	4TH PLUS (PER STUDENT)	\$1,045.28
CUSTOMER LOCATION:		
ST-CL-CMGR1	1-3 STUDENTS	\$5,943.80
ST-CL-CMGR1-4	4th PLUS (PER STUDENT)	\$691.74
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 6 OR MORE STUDENTS	\$5,431.41

- 1. Travel is reimbursible.
- Training resources must be allocated in advance; therefore, cancellations or deferrals must be received by CACI at least 10 days prior to scheduled start of an engagement.

# REQUISITIONER TRAINING (CRE-1) — 1-Day Course

Course						
CACI TRAINING CENTER (Attendance at published times):						
ST-IN-CRE PER STUDENT \$4:						
CACI TRAINING CENTER (Negotiated times):						
ST-CIN-CRE	1-3 STUDENTS	\$2,347.77				
ST-CIN-CRE7	4TH PLUS (PER STUDENT)	\$264.40				
CUSTOMER LOCATION:						
ST-CL-CRE	1-8 STUDENTS	\$4,109.42				
ST-CL-CRE7	9TH PLUS (PER STUDENT)	\$184.46				
ST-CADDI	ADDITIONAL INSTRUCTOR REQUIRED FOR CLASSES WITH 8 OR MORE STUDENTS	\$5,431.41				

PRODUCTION SUPPORT (CUSR-5) — 5-Day Course

CUSTOMER LOCA	ATION:	
ST-CFLSUP	ON-FLOOR PRODUCTION SUPPORT: 5 DAYS	\$7,538.15

- 1. Travel is reimbursible.
- Training resources must be allocated in advance; therefore, cancellations or deferrals must be received by CACI at least 10 days prior to scheduled start of an engagement.

# **ComprizonSuite Documentation Pricelist**

SWD-CIM	COMPRIZON IMPLEMENTATION MANUAL	\$141.58
SWD-CUM	COMPRIZON USER MANUAL	\$283.14
SWD-CSA	TRAINING MANUAL - SYSTEM ADMINISTRATION	\$122.70
SWD-CAD	TRAINING MANUAL - AD HOC INQUIRY	\$122.70
SWD-CCM	TRAINING MANUAL - CONTRACTS	\$122.70
SWD-CMM	TRAINING MANUAL – MANAGER	\$122.70

SWD-CCA	TRAINING MANUAL COMPRIZON.AWARD	\$147.23
SWD-CCR	TRAINING MANUAL COMPRIZON.REQUEST	\$122.70

# **Labor Pricelist**

See Page 22 for Labor Category Descriptions.

		Hourly Rates 1/1/07	Hourly Rates 1/1/08	Hourly Rates 1/1/09	Hourly Rates 1/1/10	Hourly Rates 1/1/11	Hourly Rates 1/1/12
Index	Description	12/31/07	12/31/08	12/31/09	12/31/10	12/31/11	12/31/12
1	Director, Senior	\$257.50	\$265.23	\$273.19	\$281.39	\$289.83	\$298.52
2	Director, Mid Level	\$226.60	\$233.40	\$240.40	\$247.61	\$255.04	\$262.69
3	Program Manager, Senior	\$236.90	\$244.01	\$251.33	\$258.87	\$266.64	\$274.64
4	Program Manager, Mid Level	\$206.00	\$212.18	\$218.55	\$225.11	\$231.86	\$238.82
5	Program Manager, Junior	\$180.25	\$185.66	\$191.23	\$196.97	\$202.88	\$208.97
6	Project Manager, Senior	\$226.60	\$233.40	\$240.40	\$247.61	\$255.04	\$262.69
7	Project Manager, Mid Level	\$195.70	\$201.57	\$207.62	\$213.85	\$220.27	\$226.88
8	Project Manager, Junior	\$169.95	\$175.05	\$180.30	\$185.71	\$191.28	\$197.02
9	Database Architect, Senior	\$211.15	\$217.48	\$224.00	\$230.72	\$237.64	\$244.77
10	Database Architect, Mid Level	\$180.25	\$185.66	\$191.23	\$196.97	\$202.88	\$208.97
11	Database Architect, Junior	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
12	System Architect, Senior	\$211.15	\$217.48	\$224.00	\$230.72	\$237.64	\$244.77
13	System Architect, Mid Level	\$180.25	\$185.66	\$191.23	\$196.97	\$202.88	\$208.97
14	System Architect, Junior	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
15	System Network Admin, Senior	\$195.70	\$201.57	\$207.62	\$213.85	\$220.27	\$226.88
16	System Network Admin, Mid Level	\$164.80	\$169.74	\$174.83	\$180.07	\$185.47	\$191.03
17	System Network Admin, Junior	\$139.05	\$143.22	\$147.52	\$151.95	\$156.51	\$161.21
18	Specialty Software Engineer, Senior	\$195.70	\$201.57	\$207.62	\$213.85	\$220.27	\$226.88
19	Specialty Software Engineer, Mid Level	\$164.80	\$169.74	\$174.83	\$180.07	\$185.47	\$191.03
20	Specialty Software Engineer, Junior	\$139.05	\$143.22	\$147.52	\$151.95	\$156.51	\$161.21
21	System Engineer, Senior	\$185.40	\$190.96	\$196.69	\$202.59	\$208.67	\$214.93

		Hourly Rates 1/1/07	Hourly Rates 1/1/08	Hourly Rates 1/1/09	Hourly Rates 1/1/10	Hourly Rates 1/1/11	Hourly Rates 1/1/12
Index	Description	- 12/31/07	- 12/31/08	12/31/09	- 12/31/10	- 12/31/11	12/31/12
22	System Engineer, Mid Level	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
23	System Engineer, Junior	\$128.75	\$132.61	\$136.59	\$140.69	\$144.91	\$149.26
24	Database Specialist, Senior	\$185.40	\$190.96	\$196.69	\$202.59	\$208.67	\$214.93
25	Database Specialist, Mid Level	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
26	Database Specialist, Junior	\$128.75	\$132.61	\$136.59	\$140.69	\$144.91	\$149.26
27	Multimedia Developer, Senior	\$175.10	\$180.35	\$185.76	\$191.33	\$197.07	\$202.98
28	Multimedia Developer, Mid Level	\$144.20	\$148.53	\$152.99	\$157.58	\$162.31	\$167.18
29	Multimedia Developer, Junior	\$118.45	\$122.00	\$125.66	\$129.43	\$133.31	\$137.31
30	Software Engineer, Senior	\$175.10	\$180.35	\$185.76	\$191.33	\$197.07	\$202.98
31	Software Engineer, Mid Level	\$144.20	\$148.53	\$152.99	\$157.58	\$162.31	\$167.18
32	Software Engineer, Junior	\$118.45	\$122.00	\$125.66	\$129.43	\$133.31	\$137.31
33	Document Specialist, Senior	\$164.80	\$169.74	\$174.83	\$180.07	\$185.47	\$191.03
34	Document Specialist, Mid Level	\$133.90	\$137.92	\$142.06	\$146.32	\$150.71	\$155.23
35	Document Specialist, Junior	\$108.15	\$111.39	\$114.73	\$118.17	\$121.72	\$125.37
36	System Analyst, Senior	\$164.80	\$169.74	\$174.83	\$180.07	\$185.47	\$191.03
37	System Analyst, Mid Level	\$133.90	\$137.92	\$142.06	\$146.32	\$150.71	\$155.23
38	System Analyst, Junior	\$108.15	\$111.39	\$114.73	\$118.17	\$121.72	\$125.37
39	Test Engineer, Senior	\$164.80	\$169.74	\$174.83	\$180.07	\$185.47	\$191.03
40	Test Engineer, Mid Level	\$133.90	\$137.92	\$142.06	\$146.32	\$150.71	\$155.23
41	Test Engineer, Junior	\$108.15	\$111.39	\$114.73	\$118.17	\$121.72	\$125.37
42	Software Configuration Management Specialist, Senior	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
43	Software Configuration Management Specialist, Mid Level	\$123.60	\$127.31	\$131.13	\$135.06	\$139.11	\$143.28
44	Software Configuration Management Specialist, Junior	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13	\$113.43

		Hourly Rates 1/1/07	Hourly Rates 1/1/08	Hourly Rates 1/1/09	Hourly Rates 1/1/10	Hourly Rates 1/1/11	Hourly Rates 1/1/12
Index	Description	- 12/31/07	- 12/31/08	- 12/31/09	- 12/31/10	- 12/31/11	- 12/31/12
45	Administrator, Senior	\$108.15	\$111.39	\$114.73	\$118.17	\$121.72	\$125.37
46	Administrator, Mid Level	\$77.25	\$79.57	\$81.96	\$84.42	\$86.95	\$89.56
47	Administrator, Junior	\$51.50	\$53.05	\$54.64	\$56.28	\$57.97	\$59.71
48	Project Control Analyst, Senior	\$175.10	\$180.35	\$185.76	\$191.33	\$197.07	\$202.98
49	Project Control Analyst, Mid Level	\$144.20	\$148.53	\$152.99	\$157.58	\$162.31	\$167.18
50	Project Control Analyst, Junior	\$118.45	\$122.00	\$125.66	\$129.43	\$133.31	\$137.31
51	Decision Support Analyst, Senior	\$200.85	\$206.88	\$213.09	\$219.48	\$226.06	\$232.84
52	Decision Support Analyst, Mid Level	\$180.25	\$185.66	\$191.23	\$196.97	\$202.88	\$208.97
53	Decision Support Analyst, Junior	\$154.50	\$159.14	\$163.91	\$168.83	\$173.89	\$179.11
54	Web Administrator, Lead	\$159.65	\$164.44	\$169.37	\$174.45	\$179.68	\$185.07
55	Web Administrator, Senior	\$139.05	\$143.22	\$147.52	\$151.95	\$156.51	\$161.21
56	Web Administrator, Mid Level	\$113.30	\$116.70	\$120.20	\$123.81	\$127.52	\$131.35
57	Web Administrator, Junior	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13	\$113.43
58	Web Author, Lead	\$159.65	\$164.44	\$169.37	\$174.45	\$179.68	\$185.07
59	Web Author, Senior	\$139.05	\$143.22	\$147.52	\$151.95	\$156.51	\$161.21
60	Web Author, Mid Level	\$113.30	\$116.70	\$120.20	\$123.81	\$127.52	\$131.35
61	Web Author, Junior	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13	\$113.43
62	Web Developer, Lead	\$159.65	\$164.44	\$169.37	\$174.45	\$179.68	\$185.07
63	Web Developer, Senior	\$139.05	\$143.22	\$147.52	\$151.95	\$156.51	\$161.21
64	Web Developer, Mid Level	\$113.30	\$116.70	\$120.20	\$123.81	\$127.52	\$131.35
65	Web Developer, Junior	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13	\$113.43
66	Web Master	\$159.65	\$164.44	\$169.37	\$174.45	\$179.68	\$185.07
67	Web Development Manager	\$180.25	\$185.66	\$191.23	\$196.97	\$202.88	\$208.97

## **Labor Category Descriptions**

#### **Director, Senior**

Responsible for effective management of funds, personnel and resources. Is accountable for the quality and timely delivery of contractual items. Ensures all required resources including manpower, production standards, computer time and resources and facilities are available for successful program implementation. Confers with program managers to provide technical advice. Provides advice and assistance for problem resolution. Balances requirements across organization to ensure multiple programs success. Secures corporate and organizational support and assistance for organization. Activities span five or more functional areas. Requires Bachelor's Degree in related field or equivalent with a minimum of 20 years experience in Program management including experience with Time and Materials, Firm Fixed Price and Fixed Value contracts as well as Profit and Loss Responsibility. Requires strong written and oral skills with public speaking and presentation capabilities.

## **Director, Mid Level**

Responsible for effective management of funds, personnel and resources. Is accountable for the quality and timely delivery of contractual items. Ensures all required resources including manpower, production standards, computer time and resources and facilities are available for successful program implementation. Confers with program managers to provide technical advice. Provides advice and assistance for problem resolution. Balances requirements across organization to ensure multiple programs success. Secures corporate and organizational support and assistance for organization. Activities span five or more functional areas. Requires Bachelor's Degree in related field or equivalent with a minimum of 10 years experience in Program management including experience with Time and Materials, Firm Fixed Price and Fixed Value contracts as well as Profit and Loss Responsibility. Requires strong written and oral skills with public speaking and presentation capabilities.

## **Program Manager, Senior**

Directs the performance of a variety of related projects which may be organized by technology, program or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program area typically represents more than three functional areas such as engineering, systems analysis, quality control and administration. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of contractual items. Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point of contact with client on program activities. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation. Manages program consisting of multiple projects including project identification, design, development and delivery. Maintains the development and execution of business opportunities based on broad, general guidance. Confers with project manager to provide technical advice and to assist with problem resolution. Responsible for marketing new technology and follow-on business acquisitions. Requires strong written and Oral skills with public speaking and presentation capabilities. Bachelor's Degree in related field or equivalent and a minimum of 15 years experience within program development and management.

#### **Program Manager, Mid Level**

Directs the performance of a variety of related projects which may be organized by technology, program or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program area typically represents two or more functional areas such as engineering, systems analysis, quality control and administration. Responsible for the effective

management of funds and personnel, and is accountable for the quality and timely delivery of contractual items. Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point of contact with client on program activities. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation. Manages program consisting of multiple projects including project identification, design, development and delivery. Maintains the development and execution of business opportunities based on broad, general guidance. Confers with project manager to provide technical advice and to assist with problem resolution. Responsible for marketing new technology and follow-on business acquisitions. Requires strong written and Oral skills with public speaking and presentation capabilities. Bachelor's Degree in related field or equivalent and a minimum of 12 years experience within program development and management.

## **Program Manager, Junior**

Directs and supervises all support resources for the performance of project assignments and activities. Manages the technical direction of a project through the design, implementation, and testing in accordance with project objectives. Provides primary client interface, especially on technical matters as related to project performance. Activities span three or more functional areas. Identifies, acquires, and utilizes company resources to achieve project technical objectives. Establishes priorities, task assignment and completion. Ensures quality and productivity standards are maintained while meeting project/client deadlines and budget constraints. Serves as the client liaison on all project matters. Performs a quality assurance role and ensures timely delivery of all specified deliverables. Identifies all task responsibilities and reports any changes or suggestions accordingly to a senior Project Manager or Program Manager. Supervises the training of new personnel under the project to assure compliance with government regulations, codes, and Company policy and procedures. Participates in contract negotiations. Bachelor's Degree in related field or equivalent and a minimum of 1 year of experience within program management including experience with fixed and cost contracts.

## **Project Manager, Senior**

Directs and supervises all support resources for the performance of project assignments and activities. Manages the technical direction of a project through the design, implementation, and testing in accordance with project objectives. Provides primary client interface, especially on technical matters as related to project performance. Activities span three or more functional areas. Identifies, acquires, and utilizes company resources to achieve project technical objectives. Establishes priorities, task assignment and completion. Ensures quality and productivity standards are maintained while meeting project/client deadlines and budget constraints. Serves as the client liaison on all project matters. Performs a quality assurance role and ensures timely delivery of all specified deliverables. Identifies all task responsibilities and reports any changes or suggestions accordingly to a senior Project Manager or Program Manager. Supervises the training of new personnel under the project to assure compliance with government regulations, codes, and Company policy and procedures. Participates in contract negotiations. Requires strong written and Oral skills with public speaking and presentation capabilities. Bachelor's Degree in related field or equivalent and a minimum of 15 years of experience within project management including experience with fixed and cost contracts.

#### **Project Manager, Mid Level**

Directs and supervises all support resources for the performance of project assignments and activities. Manages the technical direction of a project through the design, implementation, and testing in accordance with project objectives. Provides primary client interface, especially on technical matters as related to project performance. Activities will typically span one or two functional areas. Identifies, acquires, and utilizes company resources to achieve project technical objectives. Establishes priorities,

task assignment and completion. Ensures quality and productivity standards are maintained while meeting project/client deadlines and budget constraints. Serves as the client liaison on all project matters. Performs a quality assurance role and ensures timely delivery of all specified deliverables. Identifies all task responsibilities and reports any changes or suggestions accordingly to a senior Project Manager or Program Manager. Supervises the training of new personnel under the project to assure compliance with government regulations, codes, and Company policy and procedures. Participates in contract negotiations. Bachelor's Degree in related field or equivalent and a minimum of 10 years experience within project management including experience with fixed and cost contracts.

## **Project Manager, Junior**

Directs and supervises all support resources for the performance of smaller project assignments and activities or designated phases of a large program. Manages the technical direction of a project through the design, implementation, and testing in accordance with project objectives. Provides primary client interface, especially on technical matters as related to project performance. Identifies, acquires, and utilizes company resources to achieve project technical objectives. Establishes priorities, task assignment and completion. Ensures quality and productivity standards are maintained while meeting project/client deadlines within budget constraints. Serves as the client liaison on all assigned project technical matters. Performs a quality assurance role and ensures timely delivery of all specified deliverables. Identifies all task responsibilities and reports any changes or suggestions accordingly to a senior Project Manager or Program Manager. Supervises the training of new personnel under the project to assure compliance with government regulations, codes, and Company policy and procedures. Position typically manages two tasks and a project staff of approximately 3 to 6 task managers. Assists as required in contract negotiations. Bachelor's Degree in related field or equivalent and a minimum of 1 year of experience within project management including experience with fixed and cost contracts.

#### **Database Architect, Senior**

Manages the design and maintenance of data base systems which provide an organization's management with accurate, timely, and relevant information. Directs the design of data bases to store, secure, select, and retrieve information in a logical, orderly manner. Ensures that designed systems provide sufficient controlled avenues for access to and update of the data base. Ensures the currency, accuracy, and integrity of the data. Oversees the design and maintenance of the Data Dictionary. Retrieves transactions to ensure correct implementation and usages of the data base. Continually assesses the performance of the data base for maximum effectiveness. Works closely with peer level data processing management to evaluate the effects of systems or equipment changes on the data base and to ensure continuing integration of the data base. Determines departmental staffing requirements and recommends hires, promotions, transfers, or terminations to meet project requirements. Trains and develops subordinates through varied assignments. Requires strong written and Oral skills with presentation capabilities. Bachelor's Degree in related field or equivalent and 8 - 10 years of related work experience including a minimum of 3 years of experience in data base and project leadership.

#### **Database Architect, Mid Level**

Works independently on small, less complex data base design projects, and under general supervision on elements of major, complex projects. Designs data base applications provided by more senior data base analysts. Coordinates physical changes to databases. Codes, tests, corrects, monitors and updates developed applications. Designs recovery procedures for new or modified data base applications. Performs required updates to the data dictionary. Monitors transactions to measure the performance of assigned systems of the data base. Trains user groups in the protocols involved in updating and accessing the data base. Acts as a data base advisor to business systems development project teams. Works with systems software personnel to resolve problems between the operating system and the data base system. Calculates optimum values for

database parameters such as amount of memory, location and access method of data. Bachelor's Degree in related field or equivalent and 3 - 5 years related work experience. Proficiency is required in: data base storage and retrieval language; knowledge of data base design considerations and of the operating interrelationships between data base, business applications, and the operating systems.

## **Database Architect, Junior**

Works under the close direction of a more experienced data base administrator. Major part of first year is spent in learning the data base management system's disciplines, languages, procedures, and controls. Enhances knowledge through attendance at assigned training programs with emphasis on data base system design and languages. Assists in updates of the data dictionary, including writing control statements. Audits less complex data base transactions according to standard procedures. Assists in training user groups in the protocols of the data base management system. Participates in more complex data base design projects as knowledge increases. Bachelor's Degree in related field or equivalent and 0 - 3 years of related work experience. Basic knowledge is required in the processes involved in systems design and monitoring, general programming language structure and logic.

## System Architect, Senior

Provides guidance to management for current and proposed investments in systems, telecommunications and network facilities. Constructs the overall system architecture of the information system, to include external and internal interface analysis, internal interface definition, and functional requirement allocations. Researches current and future technological developments and applications. Works closely with systems users to provide guidance in the identification and resolution of user problems and concerns. Leads a team of planning analysts responsible for the research and technical assistance for a user group. Requires Bachelor's degree (in Computer Science or related field) or equivalent, and 7 - 9 years of related (large-scale information system architecture) experience.

## System Architect, Mid Level

Works as part of a team on large efforts to provide guidance to management for current and proposed investments in systems, telecommunications and network facilities. As part of the team, constructs overall system architecture of the information system, to include external and internal interface analysis, internal interface definition, and functional requirement allocations. Researches current and future technological developments and applications. Works closely with systems users to provide guidance in the identification and resolution of user problems and concerns. Occasionally, leads a team of planning analysts responsible for the research and technical assistance for a user group. Requires Bachelor's degree (in Computer Science or related field) or equivalent, and 3-5 years of related (large-scale information system architecture) experience.

## System Architect, Junior

Under direction and guidance, works as part of a team on efforts to provide guidance to management for current and proposed investments in systems, telecommunications and network facilities. As part of the team, constructs overall system architecture of the information system, to include external and internal interface analysis, internal interface definition, and functional requirement allocations. Researches current and future technological developments and applications. Works closely with systems users to provide guidance in the identification and resolution of user problems and concerns. Requires Associate's degree (in Computer Science or related field) or equivalent, and 0 - 3 years of experience.

## System Network Admin, Senior

Designs, installs, and maintains, complex Local Area or Wide Area Networks (LAN/WAN). Evaluates and installs hardware and software, including peripheral, output, and telecommunications equipment. Recommends purchases consistent with the organization's short and long term objectives. Designs, installs,

and maintains complex Local Area or Wide Area Networks (LAN/WAN). Evaluates hardware and software, including peripheral, output, and telecommunications equipment. Recommend purchases consistent with the needs of the user organization's short and long term objectives. Develops and implements security procedures. Installs network software and manages network performance. Troubleshoots and resolves complex problems. Develops and implements network policies, procedures and standards. Trains users on LAN operations and procedures. Maintains contact with outside organizations in the maintenance, service and/or purchase of the LAN. Provides leadership to lower level Network Analysts. Bachelor's Degree in related field and 5 - 8 years of related work experience. May require certification as a network engineer.

## System Network Admin, Mid Level

Under general supervision, designs, installs, maintains, coordinates and monitors the use of Local Area or Wide Area Network (LAN/WAN). Evaluates and installs hardware and software, including peripheral, output, and telecommunications equipment. May recommend purchases consistent with the organization's short and long term objectives. Designs, installs, maintains, coordinates and monitors the use of Local Area or Wide Area Networks (LAN/WAN). Evaluates hardware and software, including peripheral, output, and telecommunications equipment. May recommend purchases consistent with the needs of the user organization's short and long term objectives. Enforces security procedures. Installs network software and manages network performance. Troubleshoots and resolves complex problems. Implements and coordinates network policies, procedures and standards. Trains users on LAN operations and procedures. Maintains contact with outside organizations in the maintenance, service and/or purchase of the LAN. Bachelor's Degree in related field or equivalent and 3 - 5 years of related work experience. May require certification as a network engineer.

## System Network Admin, Junior

Designs, installs, and maintains, complex Local Area or Wide Area Networks (LAN/WAN). Evaluates and installs hardware and software, including peripheral, output, and telecommunications equipment. Recommends purchases consistent with the organization's short and long term objectives. Designs, installs, and maintains complex Local Area or Wide Area Networks (LAN/WAN). Evaluates hardware and software, including peripheral, output, and telecommunications equipment. Recommend purchases consistent with the needs of the user organization's short and long term objectives. Develops and implements security procedures. Installs network software and manages network performance. Troubleshoots and resolves complex problems. Develops and implements network policies, procedures and standards. Trains users on LAN operations and procedures. Maintains contact with outside organizations in the maintenance, service and/or purchase of the LAN. Provides leadership to lower level Network Analysts Bachelor's Degree in related field and 0 - 3 years of related work experience. May require certification as a network engineer.

## Specialty Software Engineer, Senior

Manages the work of a team of Specialty Engineers in the creation and/or modification of various computer programs and interfaces of an enterprise. Works without the technical direction of senior staff, works independently as required. Provides high level system and software design and architecture. Directs activities of support staff ensuring that staff is adequately trained and responsive to end user needs. Communicates status of projects to management. Plans, designs/upgrades and directs installation of developed programs and software. Performs analytical, technical, and administrative work in the planning, design, installation and on-going administration of software development projects focused on specialty areas such as data warehouses, Extract Load and Transform activities and complex Web based business solutions. Interacts with end users to determine hardware and software needs. Evaluates vendor products to meet

business needs. Bachelor's Degree in related field and a minimum of 10 years programming/analysis experience and 2 - 4 years of systems management experience.

## **Specialty Software Engineer, Mid Level**

Works under the direction of the Senior Specialty Engineer in the creation and/or modification of various computer programs and interfaces of an enterprise. Works with the technical direction of senior staff; works independently as required. Provides unit level system and software design and architecture. Communicates status of projects to management. Plans, designs/upgrades and directs installation of developed programs and software. Performs analytical, technical, and administrative work in the planning, design, installation and on-going administration of software development projects focused on specialty areas such as data warehouses, Extract Load and Transform activities and complex Web based business solutions. Interacts with end users to determine hardware and software needs. Evaluates vendor products to meet business needs. Bachelor's Degree in related field and a minimum of 6 years programming/analysis experience and 1 - 3 years of systems management experience.

## **Specialty Software Engineer, Junior**

Works under the direction of the Specialty Engineer in the creation and/or modification of various computer programs and interfaces of an enterprise. Works with technical direction. Provides unit level system and software engineering activities. Communicates status of projects to management. Designs/upgrades and performs installation of developed programs and software. Performs analytical, technical, and administrative work in the planning, design, installation and on-going administration of software development projects focused on specialty areas such as data warehouses, Extract Load and Transform activities and complex Web based business solutions. Interacts with end users to determine hardware and software needs. Evaluates vendor products to meet business needs. Associate's Degree in related field and a minimum of 2 years programming/analysis experience and 1 - 3 years of specialty experience in areas such as databases, applications programming, etc..

## System Engineer, Senior

Directs and coordinates the installation and support activities associated with computer systems. Oversees technical support for all client projects. Ensures that installation projects meet user requirements, established time schedules, and committed costs. Provides overall integration of all peripherals to operate correctly within a pre-defined environment. Provides functional and empirical analysis related to the design, development, and implementation of hardware and software operating systems for the organization's products. Investigates and resolves operational problems in conjunction with other engineering and technical personnel. Participates in the development, maintenance and refinement of internal quality control and reliability programs. Participates in the development of test strategies, devices, and systems. Designs systems, modules, and/or approaches, and required enhancements. Supervises the preparation of technical reports and instructional manuals as documentation of program development. Assures coordination of workload between various installation locations to satisfy workload requirements. Provides technical guidance on highly complex or unusual installation procedures. Provides direction to users or field representatives. May train and supervise subordinate systems engineers. Bachelor's Degree (Advanced degree preferred) in related field or equivalent and a minimum of 8 years of related work experience.

## System Engineer, Mid Level

Under general supervision, performs systems installation and integration of computer operating system software, network software, application software, and computer hardware. Capable after a number of supervised installations to handle installation assignments of a straight forward nature. Provides overall integration of all peripherals to operate correctly within a pre-defined environment. Provides functional and empirical analysis related to the design, development, and implementation of hardware and software

operating systems for the organization's products. Investigates and resolves operational problems in conjunction with other engineering and technical personnel. Participates in the development, maintenance and refinement of internal quality control and reliability programs. Participates in the development of test strategies, devices, and systems. Designs systems, modules, and/or approaches, and required enhancements. Develops technical documentation detailing the installation procedures. Bachelor's Degree in related field or equivalent and 3 - 5 years of related work experience.

## System Engineer, Junior

Under immediate supervision, performs systems installation and integration of computer operating system software, network software, application software, and computer hardware. Capable after a number of supervised installations to handle installation assignments of a straightforward nature. Provides overall integration of all peripherals to operate correctly within a pre-defined environment. Provides functional and empirical analysis related to the design, development, and implementation of hardware and software operating systems for the organization's products. Investigates and resolves operational problems in conjunction with other engineering and technical personnel. Participates in the development, maintenance and refinement of internal quality control and reliability programs. Participates in the development of test strategies, devices, and systems. Designs systems, modules, and/or approaches, and required enhancements. Develops technical documentation detailing the installation procedures. Bachelor's Degree in related field or equivalent and 1 - 3 years of related work experience.

## **Database Specialist, Senior**

Defines and oversees database organizations, standards, controls, procedures, and documentation. Provides experienced technical consulting in the definition, design, and creation of a data base environment. Advises applications development staff and users on data base solutions to business problems, data architectures, data base management system facilities and capabilities, and the operation and tuning of data bases. Ensures economic and efficient availability of data within adequate safeguards. Designs and implements databases with respect to access methods, access time, batch processes, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Develops and maintains expertise in use of automated tools for database design and implementation. Develops, maintains and documents JCL, shell scripts and batch processes. Participates as a leader and as a team member, and works to maintain a positive environment. Requires Bachelor's degree (in Computer Science or related field) or equivalent, and 7 - 9 years of related experience.

#### **Database Specialist, Mid Level**

Administers database organizations, standards, controls, procedures, and documentation. Provides technical consulting in the definition, design, and creation of a data base environment. Assists applications development staff and users on data base solutions to business problems, data architectures, data base management system facilities and capabilities, and the operation and tuning of databases. Implements, and maintains databases with respect to access methods, access time, batch processes, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Includes maintenance of database dictionaries, and integration of systems through database design. Maintains expertise in use of automated tools for database design and implementation. Maintains database dictionaries. Maintains and documents JCL, shell scripts and batch processes. Ensures that documentation is complete and up-to-date. Develops and applies procedures for periodic database backup. Requires Bachelor's degree (in Computer Science, Management Information Systems or related field) or equivalent, and 2 - 4 years of related experience.

## **Database Specialist, Junior**

Assists in administering database organizations, standards, controls, procedures, and documentation. Provides entry-level technical consulting in the definition, design, and creation of a data base environment. Develops applications to help formulate database solutions to business problems, data architectures, data base management system facilities and capabilities, and the operation and tuning of databases. Maintains databases with respect to access methods, access time, batch processes, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Includes maintenance of database dictionaries, and integration of systems through database design. Maintains database dictionaries. Maintains and documents JCL, shell scripts and batch processes. Ensures that documentation is complete and up-to-date. Applies procedures for periodic database backup. Requires Bachelor's degree or equivalent, and 0 - 2 years of related experience.

## Multimedia Developer, Senior

As the most senior person in department oversees and helps design plans for creating 3-D models and animations to be incorporated into video productions and multimedia products. May manage work of more junior staff. Responsible for overseeing and developing pencil sketch boards and original artwork/illustrations. Must have experience in 3-D computer animation. Experience with mid level to high-end 2-D and 3-D applications. Utilizes electronic production capabilities and software including CorelDraw, Adobe Illustrator, Adobe PhotoShop, PowerPoint, MS Word, Excel, Lotus, and WordPerfect to create and coordinate the production of audiovisual presentations and training materials. Must have working knowledge of HTML and XML and LotusCam. Requires a Bachelor's Degree or diploma from an accredited Computer Learning Center with concentration in Computer Graphics and Design and a minimum of 8 years of professional experience working with computer Graphics and animation.

## Multimedia Developer, Mid Level

Responsible for creating 2-D and 3-D models and animations to be incorporated into video productions and multimedia products including CD-ROM. Responsible for developing pencil sketch boards and original artwork/illustrations. Must have experience in 2-D and 3-D computer animation production. Experience with mid level to high-end 2-D and 3-D applications. Utilizes electronic production capabilities and software including CorelDraw, Adobe Illustrator, Adobe PhotoShop, PowerPoint, MS Word, Excel, Lotus, and WordPerfect to create and coordinate the production of audiovisual presentations and training materials. Requires an associates degree or diploma from an accredited Computer Learning Center with concentration in Computer Graphics and Design and a minimum of 2 - 4 years of professional experience working with computer animation.

## Multimedia Developer, Junior

Responsible for assisting in creating 2-D and 3-D models and animations to be incorporated into video productions and multimedia products including CD-ROM. Responsible for helping to develop pencil sketch boards and original artwork/illustrations. Must have experience in 2-D and 3-D computer animation production. Experience with mid level to high-end 2-D and 3-D applications. Utilizes electronic production capabilities and software including CorelDraw, Adobe Illustrator, Adobe PhotoShop, PowerPoint, MS Word, Excel, Lotus, and WordPerfect to create and coordinate the production of audiovisual presentations and training materials. Requires High School Diploma and a minimum of 0 - 2 years of professional experience working with computer graphics.

#### Software Engineer, Senior

Manages the telecommunications, PC network, and Internet connection systems administration functions of an enterprise. Ensures the network supports the information systems of the business unit. Directs activities of telecommunications/PC support staff ensuring that staff are adequately trained and responsive to end user

needs. Ensures that the networks support the information systems and are properly maintained. Communicates status of telecommunications projects to management. Plans, designs/upgrades and installs telecommunications voice and data networks. Performs analytical, technical, and administrative work in the planning, design, installation and on-going administration of microprocessor-based computer systems and local area networks. Interacts with end users to determine hardware and software needs. Evaluates vendor products to meet business needs. Bachelor's Degree in related field and a minimum of 9 years programming/analysis experience and 2 to 4 years of systems management experience.

## **Software Engineer, Mid Level**

Performs analysis, design, development, testing and debugging of computer software in support of distinct product hardware or technical service lines of business. Activities may range from operating system architecture integration and software design to selection of computer systems, languages and/or equipment. Participates in the development of test strategies, devices and systems. Performs complex analysis, design, and development of computer systems software which may require some research and analysis. Evaluates and determines user needs with the maintenance of single-product modules and sub-systems. Designs and develops utility programs and operating systems adjuncts such as executive programs. Participates in the development of test strategies, devices and systems. Researches problems discovered by quality assurance or product support and develops solutions to the problems. Researches and understands the marketing requirements for a product, including target environment, performance criteria, and competitive issues. Assists in the evaluation of software products. Bachelor's Degree in related field or equivalent and 5 - 8 years of technical experience in a software development environment.

## Software Engineer, Junior

Under close supervision, performs analysis, design, development, testing and debugging of computer software in support of distinct product hardware or technical service lines of business. Activities may range from operating system architecture integration and software design to selection of computer systems, languages and/or equipment. May participate in the development of test strategies, devices and systems. Performs routine analysis, design, and development of computer systems software which may require some research and analysis. Assists in evaluating/determining user needs with the maintenance of single-product modules and sub-systems. Design and develop utility programs and operating systems adjuncts such as executive programs. Participates in the development of test strategies, devices and systems. Researches problems discovered by quality assurance or product support and develops solutions to the problems. Researches and understands the marketing requirements for a product, including target environment, performance criteria and competitive issues. May assist in the evaluation of software products. Bachelor's Degree in related field or equivalent and 0 - 3 years of technical experience in a software development environment.

## **Document Specialist, Senior**

Oversees the writing of technical reports, brochures, and manuals for internal documentation, client reference, or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. Responsible for directing the work of others in the accomplishment of assigned work. Collects and analyzes technical literature available. Organizes material and writes descriptive copy according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommend revisions or changes in scope, format, content, and methods of reproduction and binding. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. May use computer terminal and word processing or desktop publishing software in performing assigned duties. May coordinate the production and distribution of material. Is conversant with document management software and its uses,

document formats, tagging structures and conventions such as SGML, HTML, XML, etc.. Bachelor's Degree in related field or equivalent and 8 - 10 years of related work experience.

## **Document Specialist, Mid Level**

Under supervision and using standard procedures, writes technical reports, brochures, and manuals for internal documentation, client reference, or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. Collects and analyzes technical literature available. Organizes material and writes descriptive copy according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommends revisions or changes in scope, format, content, and methods of reproduction and binding. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. May use computer terminal and word processing or desktop publishing software in performing assigned duties. May coordinate the production and distribution of material. Is conversant with document management software and its uses, document formats, tagging structures and conventions such as SGML, HTML, XML, etc.. Bachelor's Degree in related field or equivalent and 5 - 8 years of related work experience.

## **Document Specialist, Junior**

Under close supervision and using established procedures, writes technical reports, brochures, and manuals for internal documentation, client reference, or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. Collects and analyzes technical literature available. Organizes material and writes descriptive copy according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommend revisions or changes in scope, format, content, and methods of reproduction and binding. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. Uses computer terminal and word processing or desktop publishing software in performing assigned duties. May coordinate the production and distribution of material. Associate's Degree in related field or equivalent and 0 - 3 years of related work experience.

#### Systems Analyst, Senior

Works independently with management review of end results. Plans and directs the installation of large systems projects which most typically impact more than one functional/user area and which involve multiple systems. Provides formalized, continuing work direction and leadership to assigned team of applications programmers and systems analysts (usually 3 - 7 people), including the scheduling, assignment, and review of project work. Is responsible for the appropriateness, applicability, and quality of each aspect of the project. Meets with user management to determine systems solutions to user operating problems. Analyzes detailed systems factors including input and output requirements, information flow, hardware and software requirements, and alternative methods of problem resolution. Evaluates technical and economic feasibility of the proposed system solution. Develops project proposals on the basis of cost/benefit justification and interacts with user management to obtain approval. Provides functional, ongoing project leadership to applications programming, systems software, computer center operations, and user personnel in the planning and scheduling of systems projects. Oversees the development of each aspect of the project, resolving the most difficult work problems. Schedules and executes system tests to ensure effectiveness in meeting user needs. Ensures the preparation of complete, standardized systems documentation and user operating procedures. Ensures the continuing effectiveness of in-place systems through appropriate testing and modification. Directs the training of user personnel in new or modified systems. Bachelor's Degree in related field or equivalent and a minimum of 8 years of related work experience in the analysis and design of business systems utilized in a large and complex system. Demonstrated ability to direct other systems analysts in the planning and installation aspects of small to medium size/complex systems.

## Systems Analyst, Mid Level

Works independently on small or less complex systems projects. Under supervision, works on elements of major or complex systems. Starts to specialize in a particular functional/user area of the organization, providing consultative systems guidance to the user area in the application of systems analysis to business problems. Meets with user to define and evaluate business problems which may be resolved through systems. Analyzes detail systems factors, including input and output requirements, information flow, hardware and software requirements, and reliability characteristics. Explores alternative methods of problem resolution including the use/modification of outside packages, etc. Evaluates technical and economic feasibility of each method of problem resolution. Participates in the development of the project proposal and in the interaction with users to obtain approval for selected approach. Prepares logic charts and record formats detailing classification of data and developing appropriate coding structures. Provides detailed program specifications to applications programmers. Monitors system effectiveness in satisfying user needs during implementation. Prepares documentation for new and existing systems, ensuring compliance with departmental procedures. Bachelor's Degree in related field or equivalent and 3 - 5 years of related work experience.

## Systems Analyst, Junior

Works under the technical direction of a higher level systems analyst on elements of business systems problems (usually smaller scale, less complex systems). Interviews personnel from functional/user area under study to learn general purpose of systems and information requirements of positions involved in the data flow. Assists higher level systems analysts in analyzing alternative systems, costs aspects, and feasibility factors. Records all inputs and outputs of the system including file sizes, data bank requirements, variability of information, and statistical measures such as frequency, volume, peaking, and the like. Diagrams information flow showing source and distribution of all segments, processing elements, channels, and methods of entering corrections, and data retention requirements. Prepares appropriate documentation for new or existing systems. Trains user personnel in operation of new systems. Enhances knowledge through attendance at assigned training programs and participation in more complex systems projects. Associate's Degree in related field or equivalent and 0 - 3 years of related work experience

#### Test Engineer, Senior

Participates in the development, maintenance and refinement of internal quality control and reliability programs. Designs and installs quality control process sampling systems, procedures, and statistical techniques. Serves as an advisor to and assists in the development of less experienced test engineers. Provides a high level of technical support to the field. Defines documents, analyzes, performs and interprets developmental tests for new and/or modified products. Executes functional, application, regression and performance tests. Formulates or assists in formulating quality control policies and procedures. Researches and develops an understanding of the marketing requirements for the product features being tested, including how the users use the feature and their performance requirements for the features. Writes test cases for assigned modules, builds test systems and automates tests under the direction of more senior analysts. May train and supervise subordinate test engineers. Bachelor's Degree in related field and a minimum of 5 years of experience developing internal quality control and reliability programs.

## **Test Engineer, Mid Level**

Participates in the development, maintenance and refinement of internal quality control and reliability programs. Designs and installs quality control process sampling systems, procedures, and statistical techniques. Defines documents, analyzes, performs and interprets developmental tests for new and/or modified products. Executes functional, application, regression and performance tests. Formulates or assists in formulating quality control policies and procedures. Researches and develops an understanding of

the marketing requirements for the product features being tested, including how the users use the feature and their performance requirements for the features. Writes test cases for assigned modules, builds test systems and automates tests under the direction of more senior analysts. Bachelor's Degree in related field and 3 - 5 years of product testing, development or research experience.

## **Test Engineer, Junior**

Participates in the development, maintenance and refinement of internal quality control and reliability programs. Designs and installs quality control process sampling systems, procedures, and statistical techniques. Defines documents, analyzes, performs and interprets developmental tests for new and/or modified products. Executes functional, application, regression and performance tests. Formulates or assists in formulating quality control policies and procedures. Researches and develops an understanding of the marketing requirements for the product features being tested, including how the users use the feature and their performance requirements for the features. Writes test cases for assigned modules, builds test systems and automates tests under the direction of more senior analysts. Associate's Degree in related field and 1 - three years experience.

## **Software Configuration Management Specialist, Senior**

Works independently with management review of end results. Plans and directs the management of software configuration of large systems projects which most typically impact more than one functional/user area and which involve multiple systems. Provides formalized, continuing work direction and leadership to assigned team of CM analysts (usually 3 - 7 people), including the scheduling, assignment, and review of project work. Is responsible for the appropriateness, applicability, and quality of each aspect of the project. Meets with user management to determine configuration requirements. Analyzes detailed systems factors including input and output requirements, information flow, hardware and software requirements, and alternative methods of problem resolution. Evaluates technical and economic feasibility of the proposed solution. Oversees the configuration of each aspect of the project, resolving the most difficult work problems. Ensures the preparation of complete, standardized documentation and user operating procedures. Directs the training of user personnel. Bachelor's Degree in related field or equivalent and a minimum of 8 years of related work experience in the analysis and design of business systems utilized in a large and complex system. Demonstrated ability to direct other analysts in the planning and configuration aspects of small to medium size/complex software development projects.

## **Software Configuration Management Specialist, Mid Level**

Works independently with management review of end results. Plans and directs the management of software configuration of projects which most typically impact more than one functional/user area and involve multiple systems. Provides formalized, continuing work direction and leadership to assigned team of CM analysts (usually 4 or fewer people), including the scheduling, assignment, and review of project work. Is responsible for the appropriateness, applicability, and quality of each aspect of the project. Meets with user management to determine configuration requirements. Analyzes detailed systems factors including input and output requirements, information flow, hardware and software requirements, and alternative methods of problem resolution. Evaluates technical and economic feasibility of the proposed system solution. Oversees the configuration of each aspect of the project, resolving difficult work problems. Directs the training of user personnel. Bachelor's Degree in related field or equivalent and a minimum of 4 years of related work experience. Demonstrated ability to direct other analysts in the planning and configuration aspects of medium size/complex software development projects.

## **Software Configuration Management Specialist, Junior**

Works under close supervision with management review of end results. Performs management of software configuration. Is responsible for the appropriateness, applicability, and quality of work. Meets with user

management to determine configuration requirements. Assists in analysis of detailed systems factors including input and output requirements, information flow, hardware and software requirements, and alternative methods of problem resolution. Assists in evaluating technical feasibility of the proposed configuration solution. Associate's Degree in related field or equivalent and a minimum of 1 year of related work experience. Ability to interact with other analysts in the planning and configuration aspects of development projects.

## Administrator, Senior

Communicates and/or coordinates instructions with various individuals and/or departments. Furnishes and obtains information from multiple sources. Organizes and maintains files of correspondence and records; follows through on pending actions. Acts as a receptionist, screens telephone calls, letters, and/or visitors. Answers routine questions and furnishes information and guidance. Schedules appointments and coordinates meetings. Composes and prepares routine correspondence as well as assigned program correspondence. Routes or answers correspondence not requiring manager attention. Prepares special reports, gathering and summarizing data. Organizes and expedites flow of work through manager's office. Coordinates, manages, and ensures compliance with organization's time management and accounting program. Manages interface with Human Resources on behalf of organization. Requires High School Diploma and 8 or more years experience at Director or equivalent level.

## Administrator, Mid Level

Communicates and/or coordinates instructions with various individuals and/or departments. Furnishes and obtains information from multiple sources. Organizes and maintains files of correspondence and records; follows through on pending actions. Acts as a receptionist, screens telephone calls, letters, and/or visitors. Answers routine questions and furnishes information and guidance. Schedules appointments and coordinates meetings. Composes and prepares routine correspondence as well as assigned program correspondence. Routes or answers correspondence not requiring manager attention. Prepares special reports, gathering and summarizing data. Organizes and expedites flow of work through manager's office. Coordinates, manages, and ensures compliance with organization's time management and accounting program. Manages interface with Human Resources on behalf of organization. Requires High School Diploma and 4 or more years experience at Division or equivalent level.

#### Administrator, Junior

Communicates and/or coordinates instructions with various individuals and/or departments. Furnishes and obtains information from multiple sources. Organizes and maintains files of correspondence and records; follows through on pending actions. Acts as a receptionist, screens telephone calls, letters, and/or visitors. Answers routine questions and furnishes information and guidance. Schedules appointments and coordinates meetings. Composes and prepares routine correspondence as well as assigned program correspondence. Routes or answers correspondence not requiring manager attention. Prepares special reports, gathering and summarizing data. Organizes and expedites flow of work through manager's office. Coordinates, manages, and ensures compliance with organization's time management and accounting program. Manages interface with Human Resources on behalf of organization. Requires High School Diploma and 0 - 2 years experience at Program or equivalent level.

## **Project Control Analyst, Senior**

Provides senior level on-site project management/administrative support and coordination to a complex contract, project, task(s) or business unit. Duties may include contract accounting and reporting, payroll/personnel processing, project schedule focus to management, tracking annual fiscal plans and monthly updates, maintenance and reporting, contract administration, purchasing, facility leasing and service administration. Maintains contract budgets, prepares contract-billing, estimates materials,

equipment, production costs and delivery schedules. Oversees personnel records, facility administration and purchases equipment and supplies. Requires Bachelor's degree (in Business Administration) or equivalent, and 7 - 9 years of related (project management) experience.

## **Project Control Analyst, Mid Level**

Provides on-site project management/administrative support and coordination to a complex contract, project, task(s) or business unit. Duties may include contract accounting and reporting, project schedule focus to management, tracking annual fiscal plans and monthly updates, payroll/personnel processing, maintenance and reporting, contract administration, purchasing, facility leasing and service administration. Maintains contract budgets, prepares contract-billing, estimates materials, equipment, production costs and delivery schedules. Oversees personnel records, facility administration and purchases equipment and supplies. Requires Bachelor's degree (in Business Administration) or equivalent, and 4 - 6 years of related (project support or management) experience.

## **Project Control Analyst, Junior**

Responsible for assisting supervisor in organizing, implementing and maintaining a scheduling management system supporting the project plan. Assists Project Manager in reviewing and analyzing contract requirements. Helps establish tasks and sub tasks to ensure satisfactory realization of contract requirements. Enters project time-lines and maintains a database of tasks and the status of each task. Receives schedule updates and input from the Project Manager. Enters all new information into database and provides scheduled reports for contract coordination and reporting purposes. Communicates with supervisor and project staff to schedule work and to coordinate employee assignments. Requires High School diploma or equivalent, and 1 - 3 years of related (program scheduling) experience.

## **Decision Support Analyst, Senior**

Devises solutions for solving complex customer problems using company or customer furnished commercial off-the-shelf packages focused on decision support applied against data. Responsible for the analysis, design, development, implementation, and customization of hardware and software solution elements. May work on: equipment or software design, engineering evaluation or test, procedures, statistical analysis and modeling as is required to define and solve customer requirement. Works with end users and may assist with training. Occasionally, may provide guidance and assistance to less experienced staff. Continues to improve technical expertise through the identification of new processes and technical alternatives to resolve problems and/or general improvements. Requires Bachelor's degree (in Computer Science, Management Information Systems or related field) or equivalent, and 5 - 7 years of related experience. Experience developing large, technically complex, systems; applying decision support tools and methodologies, familiarity with Extraction, Load and Transformation (ETL) methodologies and responsibility for developing, revising and controlling technical documentation for a complex system. Requires formal training in at least one Commercial Decision Support System software package such as Cognos, MicroStrategy, Brio, etc..

## **Decision Support Analyst, Mid Level**

Devises solutions for solving simple to moderately complex customer problems using company or customer furnished commercial off-the-shelf packages focused on decision support applied against data. Responsible for the analysis, design, development, implementation, and customization of hardware and software solution elements. Works as part of a team on: equipment or software design, engineering evaluation or test, procedures, statistical analysis and modeling as is required to define and solve customer requirement. Works with end users and may assist with training. Occasionally, may provide guidance and assistance to less experienced staff. Continues to improve technical expertise through the identification of new processes and technical alternatives to resolve problems and/or general improvements. Requires Bachelor's degree (in

Computer Science, Management Information Systems or related field) or equivalent, and 2 - 4 years of related experience. Experience developing, technically complex, systems; applying decision support tools and methodologies, familiarity with Extraction, Load and Transformation (ETL) methodologies and responsibility for developing, revising and controlling technical documentation for a complex system. Requires formal training in at least one Commercial Decision Support System software package such as Cognos, MicroStrategy, Brio, etc..

## **Decision Support Analyst, Junior**

Works as part of a team and under supervision on: equipment or software design, engineering evaluation or test, procedures, statistical analysis and modeling as is required to define and solve customer requirement. Works with end users and may assist with training. Continues to improve technical expertise through the identification of new processes and technical alternatives to resolve problems and/or general improvements. Requires Bachelor's degree (in Computer Science, Management Information Systems or related field) or equivalent, and 0 - 2 years of related experience. Requires formal training in at least one Commercial Decision Support System software package such as Cognos, MicroStrategy, Brio, etc..

## Web Administrator, Lead

Performs the routine operation of server software. Maintains system security, monitors usage statistics and logs. Modifies configuration settings and backing up the systems. Troubleshoots system-related problems. May write shell scripts. Knowledgeable in operating systems as UNIX and Windows NT, TCP/IP, and Internet services such as HTTP and FTP servers. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 7 - 9 years of related experience.

## Web Administrator, Senior

Performs the routine operation of server software including maintaining system security. Monitors usage statistics and logs. Modifies configuration settings and backing up the systems. Troubleshoots system related problems. May write shell scripts. Knowledgeable in operating systems as UNIX and Windows NT, TCP/IP, and Internet services such as HTTP and FTP servers. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 5 - 7 years of related experience.

## Web Administrator, Mid-Level

Performs the routine operation of server software including maintaining system security. Monitors usage statistics and logs. Modifies configuration settings and backs up the systems. Troubleshoots system related problems. May write shell scripts. Knowledgeable in operating systems as UNIX and Windows NT, TCP/IP, and Internet services such as HTTP and FTP servers. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 2 - 4 years of related experience.

#### Web Administrator, Junior

Performs the routine operation of server software including maintaining system security. Monitors usage statistics and logs. Modifies configuration settings and backing up the systems. Troubleshoots system related problems. May write shell scripts. Knowledgeable in operating systems as UNIX and Windows NT, TCP/IP, and Internet services such as HTTP and FTP servers. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 0 - 2 years related experience.

## Web Author, Lead

Creates visually appealing graphics and write text for the organization's Web site. Utilizes HTML or similar language. May create links to other Web sites. Requires Bachelor's degree in a related field or equivalent technical certification/training, and 7 - 9 years of related experience.

## Web Author, Senior

Creates visually appealing graphics and write text for the organization's Web site. Utilizes HTML or similar language. May create links to other Web sites. Requires Bachelor's degree in related field or equivalent technical certification/training, and 5 - 7 years of related experience.

## Web Author, Mid-Level

Creates visually appealing graphics and writes text for the organization's Web site, utilizing HTML or similar language. May create links to other Web sites. Requires Bachelor's degree in related field or equivalent technical certification/training, and 2 - 4 years of related experience.

## Web Author, Junior

Helps to create visually appealing graphics and writes text for the organization's Web site, utilizing HTML or similar language. May create links to other Web sites. Requires Bachelor's degree (in related field) or equivalent technical certification/training, and 0 - 2 years of related experience.

#### Web Developer, Lead

Develops custom programs for Web sites that will attract and appeal to users, and provide desired information. Possesses a thorough knowledge of programming and server software operations. Creates Web front-end user interface to new or existing databases using a combination of HTML, SQL, C, VB or other languages to make business applications accessible. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 7 - 9 years of related experience.

#### Web Developer, Senior

Develop custom programs for Web sites, which will attract and are appealing to users, and provide desired information. Possess a thorough knowledge of programming and server software operations. Create Web front-end user interface to new or existing databases using a combination of HTML, SQL, C, VB or other languages to make business applications accessible. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 5 - 7 years of related experience.

## Web Developer, Mid-Level

Develops custom programs for Web sites, which will attract and are appealing to users. Possesses a thorough knowledge of programming and server software operations. Creates Web front-end user interface to new or existing databases using a combination of HTML, SQL, C, VB or other languages to make business applications accessible. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 2 - 4 years of related experience.

#### Web Developer, Junior

Assists in developing custom programs for Web sites, which will attract and be appealing to users, and provide desired information. Possesses a thorough knowledge of programming and server software operations. Creates Web front-end user interface to new or existing databases using a combination of HTML, SQL, C, VB or other languages to make business applications accessible. Requires Bachelor's degree (in Computer Science or related field) or equivalent technical certification/training, and 0 - 2 years of related work experience.

#### **Web Master**

Responsible for the content and aesthetics of company Web sites. Edits, links, creates graphics and provide specifications to the Web Author, Web Developer, and outside vendors for the development of databases, interactive applets, and custom graphics. Acts as a liaison between the Web site and users. Utilizes knowledge of technical organization and operations. Requires Bachelor's degree in a related field or equivalent technical certification/training, and 7 - 9 years of related experience.

## **Web Development Manager**

Responsible for the management of Web Staff in developing and maintaining company/customer Web sites. Provides direction to the Web Authors, Web Developers, and outside vendors for the development of databases, interactive applets, and custom graphics. Acts as a liaison between the Web site and users, utilizing knowledge of technical organization and operations. Requires Bachelor's degree in a related field or equivalent technical certification/training, and 10 - 12 years of related experience.