



Computer Sciences Corporation

**TRAINING AIDS & DEVICES: INSTRUCTOR-LED
TRAINING COURSE DEVELOPMENT, TEST
ADMINISTRATION CONTRACTING CURRICULUM CORE
GS 1102**

**General Services Administration
Federal Supply Service**

Authorized Federal Supply Schedule Price List
The Special Item Numbers (SINs) supported under this contract are:

- 27-100 Training Aids & Devices
- 27-500 Course Development; Test Administration

Contractor

Computer Sciences Corporation

Federal Sector

15000 Conference Center Drive

Chantilly, VA 20151

Telephone (703) 818-4000

FAX: (703) 818-5539

gwacservicecenter@csc.com (Electronic Mail)

<http://www.csc.com/industries/government/mds/mds1/334.shtml> (Internet)

Contract Number:

GS-02F-0119T

Contract Period:

June 22, 2007 – June 21, 2012

GSA Advantage™

<http://www.gsa.gov>

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General Services Administration

***Schedule Title:* TRAINING AIDS & DEVICES: INSTRUCTOR-LED TRAINING COURSE DEVELOPMENT, TEST ADMINISTRATION CONTRACTING CURRICULUM CORE GS 1102**

Contractor: Computer Sciences Corporation
Federal Sector
15000 Conference Center Drive
Chantilly, VA 20151
Telephone (703) 818-4000
FAX: (703) 818-5539

For Commercial and Civil Agencies please contact:

Mr. Terry Forche, Sr. Program Manager
CSC Federal Sector
Telephone (703)818-4917
FAX: (703)818-5539

Business Size: Large Business

Federal Supply Service

Authorized Federal Supply Schedule Price list

Online access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through *GSA Advantage*[™], a menu-driven database system. The Internet address for *GSA Advantage*[™] is <http://www.gsa.gov>.

Special Notice to Agencies:

SBA strongly supports the participation of small business concerns in the Federal Supply Schedules Program. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micro-purchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three Schedule Contractors or consider reasonably available information by using the *GSA Advantage!*[™] on-line shopping service (www.fss.gsa.gov). The catalogs/pricelists, *GSA Advantage!*[™] and the Federal Supply Service Home Page (www.fss.gsa.gov) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micro-purchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

Information for Ordering Offices

Maximum Order:

The maximum dollar value per order will be \$1,000,000.

Minimum Order:

The minimum dollar value of orders to be issued is \$500.

Geographic Scope of Contract: (Worldwide) If in the performance of any order under this Contract CSC uses one or more facilities located at a different address than in this price list, the place of performance is as specified in the individual order.

Production Points and Statement Concerning Foreign Produced Items:

Not Applicable

Discount from List Prices: Prices shown herein are Net Prices and basic discounts have been deducted.

Quantity Discounts. None.

Prompt Payment Terms: Payment will be in accordance with the Prompt Payment Act (31 U.S.C. 3903) and Office of Management and Budget (OMB) Circular A- 1 25, Prompt Payment. Net 30 days

Notification that Government Purchase Cards are Accepted at or Below the Micro-Purchase Threshold:

CSC will accept the Government Purchase Card for payments for orders at or below the micro-purchase threshold of \$2,500.00.

Notification that Government Purchase Cards are Accepted or Not Accepted Above the Micro-Purchase Threshold:

CSC will not accept the Government Purchase Card for payments for orders above the micro-purchase threshold of \$2,500.00.

Foreign Items: None

Time of Delivery:

Delivery will be as specified in individual task and delivery orders under this Federal Supply Schedule.

Expedited Delivery: Not Applicable.

Overnight and 2-Day Delivery: Not Applicable.

Urgent Requirements: Not Applicable.

FOB Point: Destination - 48 contiguous states and the District of Columbia.

Ordering Address:

For facsimile orders:

Computer Science Corporation

15000 Conference Center Drive
Chantilly, VA 20151
Fax No.: 703.818.5539

For electronic mail orders:

Computer Science Corporation
GWAC Service Center
gwacservicecenter@csc.com

For mailed orders:

Computer Sciences Corporation
15000 Conference Center Drive
Chantilly, VA 20151
ATTN: Thomas Quackenbush
Senior Principal Contracts Administrator

The following telephone number can be used by ordering agencies to obtain technical and/or ordering assistance:

Telephone (703) 818-4917
FAX: (703) 818-5201
e-mail: tforche@csc.com

Ordering procedures:

For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

Payment Address.

Computer Sciences Corporation
Civil Group
P.O. Box 8500-S-4610
FC 1-2-4-3, Lockbox 4610
Philadelphia, PA 19178-4610

Wire Transfer.

Wachovia Bank
1525 West W.T. Harris Blvd., NC-0805
Charlotte, NC 28262
Routing Number: 031000503
Account Number: 2100012761138

Warranty Provisions:

The contractor warrants and implies that the services/items delivered are merchantable and fit for use for the particular purpose described in the contract.

Export Packing Charges:

Not Applicable

Terms and Conditions of Government Purchase Card Acceptance: CSC will not accept the Government Purchase Card for payments above the micro-purchase threshold of \$2,500.00.

Terms and Conditions of Rental, Maintenance, and Repair: N/A

Terms and Conditions of Installation: N/A

Terms and Conditions of Repair Parts: N/A

Terms and Conditions for any Other Services: N/A

Service and Distribution Points: Contractor or government site

Participating Dealers: N/A

Preventive Maintenance: N/A

Special Attributes: N/A

Section 508 Compliance: N/A

Data Universal Number System (DUNS) Number: 135962137

CAGE Code: 3RTH3

Central Contractor Registration (CCR): CSC is registered in the CCR database.

Awarded Special Item Numbers (SINS):

CSC is capable of providing services for ordering agencies with multiple organizational levels and geographic locations nationwide and/or worldwide. Further, CSC is capable of handling multiple task orders simultaneously.

The following SIN's (Special Item Numbers) are awarded under this Training Schedule contract.

27-100 Training Aids & Devices

27-500 Course Development; Test Administration

27-100 Training Aids & Devices
DESCRIPTIONS AND EQUIPMENT COMPATIBILITY



The Virtual Ship software packages are normally provided as part of an integrated solution or system. Virtual Ship is offered for stand-alone use and to permit the customer to perform his own systems integration. Should systems integration services from Computer Science Corporation be desired for the particular application, these services are available and offered under this contract as SIN 132-51, Information Technology Professional Services.

VirtualShip Software is a state-of-the-art shiphandling, navigation, and operations analysis simulation software package. It contains all the data for the simulated environment, including all hydrodynamic models; the programming to integrate all bridge equipment; and the instructor-operator control station interface. The system uses physics-based models to create a ship's actual response to hydrodynamic environmental and propulsion effects. It is designed to run on any current PC, Server or workstation under the IRIX or MS operating system in conjunction with Vega and Vega Marine from Paradigm Simulation, Inc.

DESCRIPTION OF VIRTUAL SHIP SOFTWARE COMPONENT

Virtual Ship Software is a complete interactive simulation of ship bridge navigation, seamanship and ship handling tasks, and the associated Instructor Operator Station (IOS) functions for the authoring of exercises and selecting, running, controlling, stopping and replay/debriefing a ship simulation exercise. It is made up of Instructor Operator Station (IOS) component and a Visual Channel (VIS) component and is defined by the number of each specific IOS and VIS software components provided to support the specific training simulator system. The Virtual Ship Software also includes a database for ownships, traffic ships and geographic areas that when integrated with COTS computer systems, displays, hardware and marine bridge equipment create a simulated shipboard environment for commercial or naval training applications.

The Virtual Ship software consists of Instructor Operator Station (IOS) license component and a Visual Channel (VIS) license component. The software package is defined by the number of each specific IOS and VIS software component provided to support the specific Training Simulator System.

The following provides a description of the functions of each of the Virtual Ship IOS software components.

Primary: This is the main Virtual Ship software component and is required for all Virtual Ship systems. This software component includes the simulation software infrastructure and the following elements:

Entities: This is the basic simulation of the response of all of the entities (ownship, traffic ships, aircraft) in the training exercise,

Instructor Operator Station (IOS): This is the GUI based software that is used by the instructor to select, run, control, help function, and debrief training exercises. It also includes the exercise authoring functions. The IOS software provides a situation display and all of the various simulation control GUI panels.

Environment: This is the simulation of the environmental elements of the exercise including waves, wind, currents, water depths and channel boundaries.

Record and Replay: This is the element of the software that stores and manages the data records for use in replays and debriefing of training exercises.

Navigation: This is the Virtual Ship software component that generates the various navigation system displays that may be located on a ship's bridge. This software component includes:

Radar / ARPA: This is the simulation of the radar / ARPA display(s) that are located on the ship's bridge. This software element provides the radar / ARPA GUI for the trainee and shows the land, navigation aids and other entities (ships, aircraft) in the exercise.

ECDIS: This is the simulation of the electronic chart display and information system GUI that is located on the ship's bridge.

Navigation Displays: This is the simulation of the other navigation displays including depth sounder, GPS and other position fixing systems, and speed log. A GUI interface for these displays.

Navigation Data: This is the simulation of NMEA data that is provided to other real navigation displays that may be located on the ship's bridge.

Navigation Light Panel Controls: This is the simulation of the controls for the various navigation, signal and search lights located on the ship's bridge.

The Navigation component of the Virtual Ship software is provided on a per primary radar display basis.

Conning: This is the Virtual Ship software component that provides the ship control and display GUI interface for the trainee on the ship's bridge. It includes ship controls such as:

■ Helm	■ Autopilot
■ Throttle	■ Steering System
■ Thrusters	■ Sound Signals
■ Z Drive	

It includes ship data displays such as:

■ Integrated Conning Information	■ Speed Log
■ Rudder Angle	■ Wind Speed and Direction
■ Propeller RPM and Pitch	■ Time
■ Heading	■ Water Depth

There is one conning display component per bridge in a specific training system.

Sound: This is the Virtual Ship software component that provides the audio environment on the ship's bridge. It includes the directional generation of sounds from the various sources including:

- Ownship Engines
- Bow wave splash
- Ownship Whistle and Sound Signals
- Traffic Ship Engine and Whistle Sounds
- Aircraft
- Sound Signals on Navigation Aids

- Geographic Area specific sounds such as traffic on a bridge or surf.
- Environmental Sounds including wind, rain and thunder

The following provides a description of the functions of each of the Virtual Ship VIS software components.

Visual: This is the Virtual Ship software component that generates the out of the window visual scene. It is controlled by the Primary software. It loads the entity and geographic area databases specified by the Primary software and generates the visual scene as seen from the observer location controlled by the Primary software. It displays the entities in the location and orientation controlled by the Primary software and displays the environmental conditions specified by the Primary software. The visual component of the Virtual Ship software is provided on a per visual channel basis.

Hardware Configuration Requirements

The hardware configuration required to run the Virtual Ship Software Components are as follows:

Primary

- Pentium 4 PC 2.4 GHZ CPU
- 512 MB Memory
- 40 GB Disk Drive
- ATI Radeon 9600 or Nvidia GForce FX5700 Graphics Card with 128 MB memory
- Windows XP Professional Operating System

Visual

- Pentium 4 PC 2.4 GHZ CPU
- 512 MB Memory
- 40 GB Disk Drive
- ATI Radeon X800 Pro or Nvidia GForce 6800GT Graphics Card with 256 MB memory
- Windows XP Professional Operating System

Navigation, Conning and Sound (may run together on one PC)

- Pentium 4 PC 2.4 GHZ CPU
- 256 MB Memory
- 40 GB Disk Drive
- ATI Radeon 9200 or Nvidia GForce FX5200 Graphics Card with 128 MB memory
- Windows XP Professional Operating System

Improvements in the Virtual Ship Software for new GSA submittal

- All software components are now included in all of the software packages
- Software Packages are provided for a range of system sizes
- The Virtual Ship Software is now release 2.0 Improvements in this release include:
- The software is now based on the High Level Architecture (HLA) for Simulation
- The software now runs under the Windows XP operating system

- The software (primary component) includes a new and greatly improved Instructor Operator System
- The software (primary component) includes modeling for new ship types, propulsion system types, and the effects of tide and currents
- The software (visual component) includes improved visual effects for wave and environment
- The software (navigation component) includes new and improved models for the navigation and radar displays.

Contract No.	SIN	Description
		Virtual Ship Software <u>Unit Price</u> Instructor Operated Software (IOS) \$11,848 Visual Channel (VIS) \$7,899

Note

1. Purchase price includes the 0.75% Industrial Funding Fee (IFF) that will be paid to GSA FSS
2. There are no right to copying pricing offered.

27-500 Course Development; Test Administration
Computer Sciences Corporation's Labor Categories and Qualifications

Labor Category Description

Analyst 1

Minimum/General Experience: 0-4 years Experience in applicable discipline. Must be able to communicate with customer and know how to extract information.

Functional Responsibility: Review and evaluate, customer requirements and develops solutions this may include, but is not limited to, analyzing user requirements, processes, procedures, business models and existing systems. May produce design documents, reports, and prototypes. May provide training. Designs or modifies applicable system to meet the requirements of the customer. Generally works under direct supervision.

Possible Job Titles: Requirements Analyst, Business Analyst, Military Analyst, Information Analyst, Data Analyst, Job analyst, Database Analyst, Programmer Analyst, Network Analyst, Systems Analyst, simulator systems analyst, Web Designer, Market Analyst, Research Analyst, Web Developer, Web-based Training Developer, Operations Analyst, Computer System Analyst, Functional Analyst

Minimum Education: 2 years of higher education or equivalent experience or certification, or military training.

Analyst 2

Minimum/General Experience: 4-8 years experience in applicable discipline. Must be able to communicate with customer and know how to extract information.

Functional Responsibility: Review and evaluate, customer requirements and develops solutions this may include, but is not limited to, analyzing user requirements, processes, procedures, business models and existing systems. May produce design documents, reports, and prototypes. May provide training. Designs or modifies applicable system to meet the requirements of the customer. Works on project with minimum supervision. May provide supervision to others.

Possible Job Titles: Requirements Analyst, Business Analyst, Military Analyst, Information Analyst, Data Analyst, Job analyst, Database Analyst, Programmer Analyst, Network Analyst, Systems Analyst, simulator systems analyst, Web Designer, Market Analyst, Research Analyst, Web Developer, Web-based Training Developer, Operations Analyst, Computer System Analyst, Functional Analyst

Minimum Education: 4 years of higher education or equivalent experience or certification, or military experience.

Analyst 3

Labor Category Description

Configuration Management 1

Minimum/General Experience: 0-4 years experience in applicable discipline. A background in SEI/ISO9000.

Functional Responsibility: Responsible for configuration management activities including product identification, change control, status accounting, operation of the support library, and development and monitoring of equipment/system acceptance plans. Management of security features and assurances through control of changes made to hardware, software, firmware, documentation, test, test fixtures and test documentation of an automated information system, throughout the development and operational life of a system

Possible Job Titles: Configuration Management Specialist, Data Specialist, Librarian

Minimum Education: HS diploma or equivalent experience, certification, or military experience.

Configuration Management 2

Minimum/General Experience: 4-8 years experience in applicable discipline. A background in SEI/ISO9000.

Functional Responsibility: Responsible for configuration management activities including product identification, change control, status accounting, operation of the support library, and development and monitoring of equipment/system acceptance plans. Management of security features and assurances through control of changes made to hardware, software, firmware, documentation, test, test fixtures and test documentation of an automated information system, throughout the development and operational life of a system

Possible Job Titles: Configuration Management Specialist, Data Specialist, Librarian

Minimum Education: 2 years of college or equivalent experience, certification, or military experience.

Configuration Management 3

Minimum/General Experience: 8 plus years experience in applicable discipline. A background in SEI/ISO9000.

Functional Responsibility: Responsible for configuration management activities including product identification, change control, status accounting, operation of the support library, and development and monitoring of equipment/system acceptance plans. Management of security features and assurances through control of changes made to hardware, software, firmware, documentation, test, test fixtures and test documentation of an automated information system, throughout the development and operational life of a system

Possible Job Titles: Configuration Management Specialist, Data Specialist, Librarian

Minimum Education: 4 years of college or equivalent experience, certification, or military experience.

Curriculum Developer 1

Minimum/General Experience: 0-4 years experience in applicable discipline with 2 yr general training experience. Knowledge of curriculum development process. Must be able to communicate with customer and understand customer requirements

Functional Responsibility: Conduct training analysis, design and develop training course content establishes a system to develop, implement, and assess the local curriculum and its alignment to customer requirement. May develop instructional material, coordinate educational content, and incorporate current technology in specialized fields. Develop training scenarios, training plans, and curricula using current technology. Generally works under direct supervision.

Possible Job Titles: Educational Specialist, Instructional Designer, Publication Designer, Courseware Developer, Training Developer

Minimum Education: 4 years of higher learning, or equivalent experience, certification, or military experience.

Labor Category Description

Curriculum Developer 2

Minimum/General Experience: 4 plus years experience in applicable discipline. With 3 years general training experience. Knowledge of curriculum development. Must be able to communicate with customer and understand customer requirements

Functional Responsibility: Conduct training analysis, design and develop training course content establishes a system to develop, implement, and assess the local curriculum and its alignment to customer requirement. May develop instructional material, coordinate educational content, and incorporate current technology in specialized fields. Develop training scenarios, training plans, and curricula using current technology. My provide supervision to others.

Possible Job Titles:

Lead Educational Specialist, Lead Instructional Designer, Lead Publication Designer, Lead Courseware Developer, Senior Training Developer

Minimum Education: 4 years of college, or equivalent experience, certification, or military experience.

Editor 1 / Technical Writer 1

Minimum/General Experience: 0-4 years experience in applicable discipline. Must be able to communicate with customer and co-worker and understand customer requirements.

Functional Responsibility: Prepares and reviews technical documentation and training course materials. Translate requirements into written material to produce such products as but not limited to written documentation, online help screens, and training course material. Generally works under direct supervision

Possible Job Titles:

Document Specialist, Editor, Writer, Script Writer, Documentation Specialist

Minimum Education: HS degree, equivalent experience or certification, or military experience

Editor 2/Technical Writer 2

Minimum/General Experience: 4-8 years experience in applicable discipline. Must be able to communicate with customer and co-worker and understand customer requirements.

Functional Responsibility: Prepares and reviews technical documentation and training course materials. Translate requirements into written material to produce such products as but not limited to written documentation, online help screens, training course material. May provide supervision to others.

Possible Job Titles:

Document Specialist, Editor, Writer, Script Writer, and Documentation Specialist

Minimum Education: 2 years of college, or equivalent experience, certification, or military experience.

Editor 3/Technical Writer 3 /

Minimum/General Experience: 8 plus years experience in applicable discipline.

Functional Responsibility: Prepares and reviews technical documentation and training course materials. Must be able to communicate with customer and understand customer requirements. Capable of working with minimum supervision. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Document Specialist, Editor, Technical Editor, Script Writer, Documentation Specialist

Minimum Education: 4 years of college, or equivalent experience, certification, or military experience.

Labor Category Description

Engineer 1

Minimum/General Experience: 0-4 years experience in applicable discipline. Must be able to communicate with customer and understand customer requirements

Functional Responsibility: Analyzes, design, integration, and installation, to include, but not limited to, analyzes, defines, develops, engineers, implements, installs, and tests solutions to customer requirements. Generally works under direct supervision

Possible Job Titles: Systems Engineer, Electrical Engineer, Civil Engineer, structural engineer, mechanical engineer, software engineer, military engineer, aerospace engineer, simulator engineer, Test Engineer, Web Developer, Web based training developer

Minimum Education: Requires a 4 year degree in applicable engineering discipline.

Engineer 2

Minimum/General Experience: 4-8 years experience in applicable discipline. Must be able to communicate with customer and understand customer requirements.

Functional Responsibility: Analyzes, design, integration, and installation, to include, but not limited to, analyzes, defines, develops, engineers, implements, installs, and tests solutions to customer requirements. Works with minimum supervision. May be tasked with supervisory duties.

Possible Job Titles: Systems Engineer, electrical engineer, civil engineer, structural engineer, mechanical engineer, software engineer, military engineer, aerospace engineer, simulator engineer, Test Engineer

Minimum Education: Requires a 4 year degree in applicable engineering discipline.

Engineer 3

Minimum/General Experience: 8 plus years experience in applicable discipline. Must be able to communicate with customer and understand customer requirements

Functional Responsibility: Analyzes, design, integration, and installation, to include, but not limited to, analyzes, defines, develops, engineers, implements, installs, and tests solutions to customer requirements. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Systems Engineer, electrical engineer, civil engineer, structural engineer, mechanical engineer, software engineer, military engineer, aerospace engineer, simulator engineer, test engineer

Minimum Education: Requires a 6 year degree in applicable engineering discipline

Facilitator 1

Minimum/General Experience: 0-4 years experience in applicable discipline. 4 years general experience. Good understating of subject matter, experience in training or public speaking.

Functional Responsibility: Provides guidance, order and assistance to participating members of a class, seminar or conference in order to meet customer objective. Leads or assists instructor to include but not limited to such areas as instructor lead training, seminars, conferences, focus groups, working groups. Generally works under direct supervision

Possible Job Titles: Instructor, Seminar leader, Teacher, guidance leader, consultant, military trainer, simulator trainer, role player, assistant trainer, teaching assistant, assistant instructor,

Minimum Education: 4 years of college or equivalent experience, or certification, or military experience.

Labor Category Description

Facilitator 2

Minimum/General Experience: 4-8 years experience in applicable discipline with 4 years general experience. Good understanding of subject matter, experience in training or public speaking.

Functional Responsibility: Provides guidance, order and assistance to participating members of a class, seminar or conference in order to meet customer objective. Leads or assists instructor to include but not limited to such areas as instructor lead training, seminars, conferences, focus groups, working groups. Utilizes a variety of instructional strategies (methods, techniques, etc.) and resources (media, technologies, etc.), classroom organization skills, and effective, communication techniques to establish and facilitate engaging and meaningful learning environments. Works with minimum supervision. May be tasked with supervisory duties. May be task lead, or project manager.

Possible Job Titles: Instructor, Seminar leader, Teacher, guidance leader, consultant, military trainer, simulator trainer.

Minimum Education: 4 years of college or equivalent experience, or certification, or military experience.

Facilitator 3

Minimum/General Experience: 8 plus years experience in applicable discipline with 6 years general experience. Good understanding of subject matter, experience in training or public speaking

Functional Responsibility: Provides guidance, order and assistance to participating members of a class, seminar or conference in order to meet customer objective. Leads or assists instructor to include but not limited to such areas as instructor lead training, seminars, conferences, focus groups, working groups. Utilizes a variety of instructional strategies (methods, techniques, etc.) and resources (media, technologies, etc.), classroom organization skills, and effective, communication techniques to establish and facilitate engaging and meaningful learning environments. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Instructor, Seminar leader, Teacher, guidance leader, consultant, military trainer, simulator trainer, or principle instructor.

Minimum Education: 4 years of college or equivalent experience, or certification, or military experience.

Multi-Media Specialist 1

Minimum/General Experience: 0-4 experience in applicable discipline. Experience with software required to manipulate electronic images.

Functional Responsibility: Use computers and related technologies to create and manipulate electronic images. May design and produce web or desktop multimedia products including graphic design, digital video, audio capture, editing digital and conventional still photography, or hand drawn or computer design. Must be able to communicate with customer and understand customer requirements. Generally works under direct supervision

Possible Job Titles: Audio visual specialist, instructional systems designer, video producer, web based training developer, videographer, video editor, graphic artist, military artist, simulation graphic developer, web graphic designer, web page designer, visual information specialist

Minimum Education: HS diploma and certification or equivalent experience, or military experience.

Labor Category Description

Multi-Media Specialist 2

Minimum/General Experience: 4-8 years experience in applicable discipline. Experience with software required to manipulate electronic images. Understanding of technology required to create graphics.

Functional Responsibility: Use computers and related technologies to create and manipulate electronic images. May design and produce web or desktop multimedia products including graphic design, digital video, audio capture, editing digital and conventional still photography, or hand drawn or computer design. Must be able to communicate with customer and understand customer requirements. Works with minimum supervision. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Audio visual specialist, instructional systems designer, video producer, and web based training developer, videographer, video editor, graphic artist, military artist, simulation graphic developer, web graphic designer, web page designer, visual information specialist

Minimum Education: 2 years of college or equivalent experience, or certification, or military experience.

Multi-Media Specialist 3

Minimum/General Experience: 8 plus years experience in applicable discipline. Experience with software required to manipulate electronic images. Understanding of technology required to create graphic images.

Functional Responsibility: Use computers and related technologies to create and manipulate electronic images. May design and produce web or desktop multimedia products including graphic design, digital video, and audio capture, editing digital and conventional still photography, or hand drawn or computer design. Must be able to communicate with customer and understand customer requirements. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Illustrator, audio visual specialist, instructional systems designer, video producer, web based training developer, videographer, video editor, web designer, graphic artist, military artist, simulation graphic developer, web graphic designer, web page designer, visual information specialist

Minimum Education: 4 years of college or equivalent experience, or certification, or military experience

Information Center Specialist

Minimum/General Experience: 2 years experience in applicable discipline.

Functional Responsibility: Under general direction, advises and assists users in problem-solving activities using information center tools. May assist in training sessions, helping to coordinate and schedule classes. Must be able to communicate with customer and understand customer requirements. Works with minimum supervision. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Help Desk Specialist, Call Center Operations, Operations Center specialist, User Specialist, Meeting/scheduling coordinator, Training information specialist, Queue Coordinator, Work Monitor

Minimum Education: 4 year of college or equivalent experience, certification, or military experience.

Labor Category Description

Programmer 1

Minimum/General Experience: 0-4 years experience in applicable software language and computer systems.

Functional Responsibility: Create and/or modify all or part of a system. Writes, tests and maintains software on computers. Must be able to communicate with customer and understand customer requirements. Generally works under direct supervision.

Possible Job Titles: programmer analyst, military programmer, data base programmer, systems programmer, web programmer, simulator systems programmer, lead programmer, programmer analyst, database programmer, multimedia programmer,

Minimum Education: HS diploma, or certification, or military training.

Programmer 2

Minimum/General Experience: 4-8 years experience in applicable software language and computer systems.

Functional Responsibility: Create and/or modify all or part of a system. Writes, tests and maintains software on computers. Must be able to communicate with customer and understand customer requirements. Works with minimum supervision. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Lead programmer analyst, lead military programmer, lead data base programmer, lead systems programmer, lead web programmer, lead simulator systems programmer, lead programmer, lead programmer analyst, lead database programmer, lead multimedia programmer,

Minimum Education: 2 years college or equivalent experience, or certification, or military experience.

Programmer 3

Minimum/General Experience: 8 plus years experience in applicable software language and computer systems.

Functional Responsibility: Create and/or modify all or part of a system. Writes, tests and maintains software on computers. Must be able to communicate with customer and understand customer requirements. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Supervisory programmer analyst, senior military programmer, senior data base programmer, senior systems programmer, principle web programmer, lead simulator systems programmer, supervisory programmer, senior programmer analyst, principle database programmer, senior multimedia programmer,

Minimum Education: 4 years of college, or equivalent experience, or certification, or military experience.

Project Manager 1

Minimum/General Experience: 6 years experience in systems engineering or the business/ technology directly relating to the assigned business segment. Including supervisory experience, in a lead or management role, with a demonstrated success in the ability to staff and lead/manage technically oriented projects and personnel.

Functional Responsibility: Responsible for the overall performance of the task order such as formulating work standards, assigning contractor schedules and resources, reviewing performance, cost, and budget information; supervising contractor personnel; and communicating policies, purposes, and goals of the organization to subordinates. Ensures desired results by determining and implementing objectives, and allocating appropriate resources. Interfaces with client sponsor on all aspects of the program.

Possible Job Titles: Lead Instructor, Senior Technical Advisor, Software Quality Assurance Manager, Senior Software Manager, Information Manager, Environmental Manager, Coding Compliance Manager, Senior Audit Team Leader, Task leader, Task Manager.

Minimum Education: 4 years of college, engineering, mathematics, business, or equivalent experience.

Project Manager 2

Labor Category Description

Minimum/General Experience: 8 years experience in systems engineering or the business/ technology directly relating to the assigned business segment. Two years of supervisory experience, in a lead or management role, with a demonstrated success in the ability to staff and lead/manage technically oriented projects and personnel.

Functional Responsibility: Responsible for the overall performance of the task order such as formulating work standards, assigning contractor schedules and resources, reviewing performance, cost, and budget information; supervising contractor personnel; and communicating policies, purposes, and goals of the organization to subordinates. Ensures desired results by determining and implementing objectives, and allocating appropriate resources. Interfaces with client sponsor on all aspects of the program.

Possible Job Titles: Program Manager, Lead Instructor, Senior Technical Advisor, Software Quality Assurance Manager, Senior Software Manager, Health Information Manager, Environmental Health and Safety Manager, Coding Compliance Manager, Senior Audit Team Leader, Lead Training Manager,

Minimum Education: 4 plus years of college in engineering, mathematics, business, or equivalent experience.

Project Manager 3

Minimum/General Experience: 10+ years experience in systems engineering or the business/ technology directly relating to the assigned business segment. Two years of supervisory experience, in a lead or management role, with a demonstrated success in the ability to staff and lead/manage technically oriented projects and personnel.

Functional Responsibility: Serves as the overall manager for a contract, or program, and lead for complex technical projects. Responsible for the administrative, contractual, and financial aspects of projects. Oversees the quality assurance efforts of the program, contract or project.

Possible Job Titles: Program Manager, Lead Instructor, Senior Technical Advisor, Software Quality Assurance Manager, Principle Software Manager, Health Information Manager, Senior Environmental Health and Safety Manager, Principle Coding Compliance Manager, Senior Audit Team Leader, Principle Training Manager, Senior Project Manager

Minimum Education: 6 plus years college in engineering, mathematics, business, or equivalent experience.

Quality Assurance Specialist 1

Minimum/General Experience: 0-4 years experience in applicable discipline.

Functional Responsibility: Perform activities required to ensure quality deliverables. Participates in quality reviews on all deliverables prior to delivery. Performs quality assurance reviews of all the types of training products, including but not limited to instructional material, multimedia products, and process and procedures. Organizes and maintains QA documents as required. Ensure compliance with standards and practices are met. Track test results as required. May perform quality audits and provide reports to management. Must be able to communicate with customer and understand customer requirements. Generally works under direct supervision

Possible Job Titles: Quality Assurance

Minimum Education: 4 years college or equivalent experience, or certification, or military training.

Labor Category Description

Quality Assurance Specialist 2

Minimum/General Experience: 4-8 years experience in applicable discipline.

Functional Responsibility: Perform activities required to ensure quality deliverables. Participates in quality reviews on all deliverables prior to delivery. Performs quality assurance reviews of all the types of training products, including but not limited to instructional material, multimedia products, and process and procedures. Organizes and maintains QA documents as required. Ensure compliance with standards and practices are met. Track test results as required. May perform quality audits and provide reports to management. Must be able to communicate with customer and understand customer requirements. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Quality Assurance

Minimum Education: 4 years of college or equivalent experience, certification, or military experience.

Quality Assurance Specialist 3

Minimum/General Experience: 8 plus years experience in applicable discipline.

Functional Responsibility: Perform activities required to ensure quality deliverables. Participates in quality reviews on all deliverables prior to delivery. Performs quality assurance reviews of all the types of training products, including but not limited to instructional material, multimedia products, and process and procedures. Organizes and maintains QA documents as required. Ensure compliance with standards and practices are met. Track test results as required. May perform quality audits and provide reports to management. Must be able to communicate with customer and understand customer requirements. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Quality Assurance

Minimum Education: 4 years of college or equivalent experience, certification, or military experience.

Subject Matter Expert 1

Minimum/General Experience: Recognized as an industry or specialty expert in area of expertise, through exposure such as publications, research, teaching, and speeches. Experience involving required systems and often-unique specialization.

Functional Responsibility: Expert consulting in a specialized subject matter. Provides highly technical specialized guidance with regard to area of expertise. Often called upon as a recognized specialist with unique knowledge and skills. Must be able to communicate with customer and understand customer requirements

Possible Job Titles: Chief Engineer, Chief Scientist, Director, Consultant, Web casting Videographer, Principal Telecommunications Analyst, Chief Engineer, Consultant, Educator, Professor, Education Principal, instructor, military specialist, simulator specialist, Industrial and/or Behavior/Science, Media Director, Educational Measurement Specialist, Logistician, Business Subject Matter Specialist, Scientific Subject Matter Specialist, Engineering Subject Matter specialist, ERP analysts, Information Center Manager, BPR Specialist, Knowledge Management Specialist

Labor Category Description

Subject Matter Expert 2:

Subject Matter Expert 3

Minimum/General Experience: Recognized as an industry or specialty expert in area of expertise, through exposure such as publications, research, teaching, and speeches. Recognized by industry as an expert. Experience involving information technology and related systems and often-unique specialization.

Functional Responsibility: Expert consulting in a specialized subject matter and/or technology. Provides highly technical specialized guidance with regard to area of expertise. Often called upon as a recognized specialist with unique knowledge and skills. Must be able to communicate with customer and understand customer requirements. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Chief Engineer, Chief Scientist, Director, Consultant, Web casting Videographer, Principal Telecommunications Analyst, Chief Engineer, Consultant, Educator, Professor, Education Principal, instructor, military specialist, simulator specialist, Industrial and/or Behavior Science, Media Director, Educational Measurement Specialist, Logistician, Business Subject Matter Specialist, Scientific Subject Matter Specialist, Engineering Subject Matter specialist, ERP analysts, Information Center Manager, BPR Specialist, Knowledge Management Specialist Senior Instructor, Consultant, Senior Training Program Developer, Senior Training Systems Instructor, Digital Communication Specialist, Media Production Specialist, Instructional Media Technical Specialist, Architect

Labor Category Description

Support Specialist 1

Minimum/General Experience: 0-4 experience in applicable discipline.

Functional Responsibility: Performs variety of professional support functions. Use organization's office automation systems. Various general clerical and administrative duties. May conduct research or plan events and schedules. Support project team as required. May be required to assist with documentation and graphics as required. May be required to address facility, logistics and property issues as required. Must be able to communicate with customer and understand customer requirements. Generally works under direct supervision.

Possible Job Titles: Data Entry Specialist, Inventory Management Specialist, Administrative Specialist, Input/Output Specialist, Computer Operator, project support, Operations support, Scheduler, Administrative Assistant, training assistant, training aide, seminar administrator, Research Assistant

Minimum Education: High school diploma, or certification, or military training.

Support Specialist 2

Minimum/General Experience: 4-8 years experience in applicable discipline.

Functional Responsibility: Performs variety of professional support functions. Use organization's office automation systems. Various general clerical and administrative duties. May conduct research or plan events and schedules. Support project team as required. May be required to assist with documentation and graphics as required. May be required to address facility, logistics and property issues as required. Must be able to communicate with customer and understand customer requirements. Works with little or no supervision on increasingly complex projects.

Possible Job Titles: Data Entry Specialist, Inventory Management Specialist, Administrative Specialist, Input/Output Specialist, Computer Operator, project support, Operations support, Scheduler, Administrative Assistant, training assistant, Research Assistant.

Minimum Education: High school diploma or equivalent experience or certification, or military experience.

Support Specialist 3

Minimum/General Experience: 8 plus years experience in applicable discipline.

Functional Responsibility: Performs variety of professional support functions. Use organization's office automation systems. Various general clerical and administrative duties. May conduct research or plan events and schedules. Support project team as required. May be required to assist with documentation and graphics as required. May be required to address facility, logistics and property issues as required. Must be able to communicate with customer and understand customer requirements. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor

Possible Job Titles: Data Entry supervisor, Inventory Management Specialist, Administrative supervisor, Input/Output Specialist, Computer Operator, project support, Operations support, Scheduler, Administrative Assistant. Chief administrator.

Minimum Education: High school diploma or equivalent experience or certification, or military experience.

Labor Category Description

Technician I

Minimum/General Experience: 0-4 years experience in applicable discipline.

Functional Responsibility: Capable of hardware/software support. Support development of hardware/software systems. Could be required to fabricate, test, install, maintain, repair or calibration hardware/software as required. May be asked to provide documentation, prepare technical reports or do system deployments. Must be able to communicate with customer and understand customer requirements. Generally works under direct supervision

Possible Job Titles: Assistant Computer Technician, Engineering Technician Assistant, Junior Hardware Technician, Assistant Help Desk Technician, Auto Technician, Electronic Technician, instrument technician helper, service technician, assistant equipment technician, Junior Mechanical technician, Measurement technician assistant, technician helper, and Network Technician assistant.

Minimum Education: HS degree or equivalent experience or certification, or military experience.

Technician 2

Minimum/General Experience: 4-8 years experience in applicable discipline.

Functional Responsibility: Support development of hardware/software systems. Could be required to fabricate, test, install, maintain, repair or calibration hardware/software as required. May be asked to provide documentation, prepare technical reports or do system deployments. Must be able to communicate with customer and understand customer requirements. May be tasked with supervisory duties. May be task lead.

Possible Job Titles: Computer Technician, Engineering Technician, Hardware Technician, Help Desk Technician, Auto Technician, Electronic Technician, instrument technician, service technician, equipment technician, Mechanical technician, Measurement technician, Network Technician

Minimum Education: HS degree or equivalent experience or certification, or military experience.

Technician 3

Minimum/General Experience: 8 plus years experience in applicable discipline.

Functional Responsibility: Support development of hardware/software systems. Could be required to fabricate, test, install, maintain, repair or calibration hardware/software as required. May be asked to provide documentation, prepare technical reports or do system deployments. Must be able to communicate with customer and understand customer requirements. Prepares and delivers presentations and briefings as required by the task order. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Task Manager, Lead Computer Technician, Principle Engineering Technician, Lead Hardware Technician, Supervisory Help Desk Technician, Lead Auto Technician, Lead Electronic Technician, Principle Instrument technician, Lead Service Technician, Lead Equipment Technician, Lead Mechanical Technician, lead Measurement Technician, Lead Network Technician

Minimum Education: HS degree or equivalent experience or certification, or military experience.

Labor Category Description

SECURITY SPECIALIST 1

Minimum/General Experience: 0-4 years experience in applicable discipline. Knowledgeable in customer defined work field.

Functional Responsibility: Provides an advanced level of information security expertise needed to solve difficult challenges pertaining to the design and implementation of information security solutions. This may include, but is not limited, to network, operating system, application and database security – relative to both techniques and technologies. Analyses, defines, and develops security requirements/policy for software or hardware protection.

Possible Job Titles: Computer Security Specialist, IT Security Specialist, or Information Assurance.

Minimum Education: HS diploma, equivalent experience, certification, or military experience.

SECURITY SPECIALIST 2

Minimum/General Experience: 4-8 years experience in applicable discipline. Knowledgeable in customer defined work field.

Functional Responsibility: Provides an advanced level of information security expertise needed to solve difficult challenges pertaining to the design and implementation of information security solutions. This may include, but is not limited, to network, operating system, application and database security – relative to both techniques and technologies. Analyses, defines, and develops security requirements/policy for software or hardware protection. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Lead Computer Security Specialist, Lead IT Security Specialist

Minimum Education: 4 years of college or equivalent experience, certification, or military experience.

SECURITY SPECIALIST 3

Minimum/General Experience: 4 plus years experience in applicable discipline. Knowledgeable in customer defined work field.

Functional Responsibility: provides an advanced level of information security expertise needed to solve difficult challenges pertaining to the design and implementation of information security solutions. This may include, but is not limited, to network, operating system, application and database security – relative to both techniques and technologies analyses defines, and develops security requirements/policy for software or hardware protection. Works with little or no supervision on increasingly complex projects. May be task lead, supervisor or project supervisor.

Possible Job Titles: Principle Computer Security Specialist, Principle IT Security Specialist

Minimum Education: 4 years of college or equivalent experience, certification, or military experience.

Labor Rates

GSA Schedule 69 Labor Category	Year 1 Rate	Year 2 Rate	Year 3 Rate	Year 4 Rate	Year 5 Rate
Analyst 1	\$ 88.44	\$ 91.54	\$ 94.74	\$ 98.06	\$ 101.49
Analyst 2	\$ 108.53	\$ 112.33	\$ 116.26	\$ 120.33	\$ 124.54
Analyst 3	\$ 111.93	\$ 115.85	\$ 119.90	\$ 124.10	\$ 128.44
Configuration Management 1	\$ 59.39	\$ 61.47	\$ 63.62	\$ 65.85	\$ 68.15
Configuration Management 2	\$ 75.68	\$ 78.33	\$ 81.07	\$ 83.91	\$ 86.84
Configuration Management 3	\$ 123.39	\$ 127.71	\$ 132.18	\$ 136.80	\$ 141.59
Curriculum Developer 1	\$ 82.49	\$ 85.38	\$ 88.37	\$ 91.46	\$ 94.66
Curriculum Developer 2	\$ 105.74	\$ 109.44	\$ 113.27	\$ 117.24	\$ 121.34
Editor/Technical Writer 1	\$ 53.45	\$ 55.32	\$ 57.26	\$ 59.26	\$ 61.34
Editor/Technical Writer 2	\$ 68.11	\$ 70.49	\$ 72.96	\$ 75.51	\$ 78.16
Editor/Technical Writer 3	\$ 104.88	\$ 108.55	\$ 112.35	\$ 116.28	\$ 120.35
Engineer 1	\$ 84.70	\$ 87.66	\$ 90.73	\$ 93.91	\$ 97.20
Engineer 2	\$ 115.59	\$ 119.64	\$ 123.82	\$ 128.16	\$ 132.64
Engineer 3	\$ 140.23	\$ 145.14	\$ 150.22	\$ 155.48	\$ 160.92
Facilitator 1	\$ 67.10	\$ 69.45	\$ 71.88	\$ 74.39	\$ 77.00
Facilitator 2	\$ 92.94	\$ 96.19	\$ 99.56	\$ 103.04	\$ 106.65
Facilitator 3	\$ 105.55	\$ 109.24	\$ 113.07	\$ 117.03	\$ 121.12
Multi-Media Specialist 1	\$ 74.42	\$ 77.02	\$ 79.72	\$ 82.51	\$ 85.40
Multi-Media Specialist 2	\$ 90.87	\$ 94.05	\$ 97.34	\$ 100.75	\$ 104.28
Multi-Media Specialist 3	\$ 127.22	\$ 131.67	\$ 136.28	\$ 141.05	\$ 145.99
Information Center Specialist	\$ 157.75	\$ 163.27	\$ 168.99	\$ 174.90	\$ 181.02
Programmer 1	\$ 63.94	\$ 66.18	\$ 68.49	\$ 70.89	\$ 73.37
Programmer 2	\$ 95.43	\$ 98.77	\$ 102.23	\$ 105.80	\$ 109.51
Programmer 3	\$ 112.99	\$ 116.94	\$ 121.04	\$ 125.27	\$ 129.66
Project Manager 1	\$ 124.30	\$ 128.65	\$ 133.15	\$ 137.81	\$ 142.64
Project Manager 2	\$ 144.61	\$ 149.67	\$ 154.91	\$ 160.33	\$ 165.94
Project Manager 3	\$ 177.39	\$ 183.60	\$ 190.02	\$ 196.68	\$ 203.56
Quality Assurance Specialist 1	\$ 59.39	\$ 61.47	\$ 63.62	\$ 65.85	\$ 68.15
Quality Assurance Specialist 2	\$ 108.52	\$ 112.32	\$ 116.25	\$ 120.32	\$ 124.53
Quality Assurance Specialist 3	\$ 136.66	\$ 141.44	\$ 146.39	\$ 151.52	\$ 156.82
Subject Matter Expert 1	\$ 142.47	\$ 147.46	\$ 152.62	\$ 157.96	\$ 163.49
Subject Matter Expert 2	\$ 217.14	\$ 224.74	\$ 232.61	\$ 240.75	\$ 249.17
Subject Matter Expert 3	\$ 287.08	\$ 297.13	\$ 307.53	\$ 318.29	\$ 329.43
Support Specialist 1	\$ 38.98	\$ 40.34	\$ 41.76	\$ 43.22	\$ 44.73
Support Specialist 2	\$ 55.95	\$ 57.91	\$ 59.94	\$ 62.03	\$ 64.20
Support Specialist 3	\$ 70.43	\$ 72.90	\$ 75.45	\$ 78.09	\$ 80.82
Technician 1	\$ 79.47	\$ 82.25	\$ 85.13	\$ 88.11	\$ 91.19
Technician 2	\$ 84.70	\$ 87.66	\$ 90.73	\$ 93.91	\$ 97.20
Technician 3	\$ 107.30	\$ 111.06	\$ 114.94	\$ 118.97	\$ 123.13
Security Specialist 1	\$ 123.07	\$ 127.38	\$ 131.84	\$ 136.45	\$ 141.23
Security Specialist 2	\$ 139.57	\$ 144.45	\$ 149.51	\$ 154.74	\$ 160.16
Security Specialist 3	\$ 217.14	\$ 224.74	\$ 232.61	\$ 240.75	\$ 249.17

Note

Labor rates include the 0.75% Industrial Funding Fee (IFF) that will be paid to GSA FSS

About CSC

CSC is a world leader in the strategic use of information to achieve business results. No other company offers the range of professional services at the level of quality we provide in management consulting-, business reengineering-, and information systems consulting, integration, and outsourcing.

CSC helps clients in industry and government use information technology to achieve strategic and operational objectives. With 55,000 employees in more than 700 offices worldwide, the company tailors solutions from a broad suite of integrated service and technology offerings, including e-business strategies and technologies; management and I/T consulting; systems consulting and integration; application software; and I/T and business process outsourcing.

Since its formation in 1959, CSC has been known for its flexibility in its relationships with clients. Through numerous agreements with hardware and software technology firms, the company is able to identify and manage solutions specifically tailored to each client's needs. Our corporate headquarters offices are in El Segundo, California, and our Federal Sector business organization in Falls Church, Virginia. For more information, visit the company's web site at www.csc.com.