



**GENERAL DYNAMICS**  
Information Technology

**COOP** **DISAST**  
**PURCH** **RECOV**

**Authorized IT Schedule GSA Price List  
FSC Group 70**

**General Purpose Commercial  
Information Technology Equipment,  
End User Computers, Equipment and Software**

**Contract Number GS-35F-4357D  
October 21, 1996 through January 14, 2013**

**General Dynamics Information Technology, Inc.  
3211 Jermantown Road  
Fairfax, VA 22030-2844**

**[www.gdit.com](http://www.gdit.com)**

**703-246-0930 or 1-800-480-9897  
[quote@gdit.com](mailto:quote@gdit.com)**

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## About Us

General Dynamics Network Systems and Anteon International Corp. have combined to form a new, world-class information technology services and systems integration organization - General Dynamics Information Technology, Inc. (GDIT).

The merging of these two companies creates a new top tier IT integrator - one that has the customer knowledge, domain expertise and proven performance to manage large-scale, mission-critical IT programs. Government agencies face expanding mission requirements with fewer resources, and need the integrated approach to business processes, information technology and operations that General Dynamics Information Technology can deliver.

General Dynamics Information Technology provides information technology, systems engineering and professional services to customers in the defense, intelligence, homeland security, federal civil and commercial sectors. With 16,000 employees worldwide, the company utilizes its deep mission understanding to deliver proven IT services and enterprise solutions in support of more than 1,000 customer communities. As a trusted systems integrator for more than 50 years, General Dynamics enables customers to achieve their expanding mission requirements, meet enterprise goals, and accomplish business objectives on-time and on-budget.

General Dynamics Information Technology has been formed from two industry-leading organizations.

Anteon, a leading IT services company, provided government customers with the systems integration, strategy and program management, systems engineering, operations services, and simulation and training solutions necessary to manage the development and operations of mission-critical systems.

A world-class IT architect and systems integrator, the former General Dynamics Network Systems, designed, built, integrated, and operated enterprise and wireless networks for national defense, intelligence and homeland security.

General Dynamics Information Technology is one of four companies that make up General Dynamics' Information Systems and Technology Group. Headquartered in Fairfax, Va., General Dynamics Information Technology has major offices throughout the Washington, DC metro area; Needham, MA; Norfolk and Chesapeake, VA; San Diego; Newport, RI; Oklahoma City; Sierra Vista, AZ; Italy; and the UK.

General Dynamics, headquartered in Falls Church, Va., employs approximately 72,700 people worldwide and had 2005 revenue of \$21.2 billion. The company is a market leader in mission-critical information systems and technologies; land and expeditionary combat systems, armaments and munitions; shipbuilding and marine systems; and business aviation.

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## Capabilities

General Dynamics Information Technology takes an integrated approach to business process development, technology integration, operations and logistics to help you achieve expanding mission requirements, meet enterprise objectives, and accomplish business goals on-time and on-budget.

As a top tier IT integrator with 16,000 professionals worldwide, General Dynamics provides a complete suite of information technology, systems engineering and professional services.

- **Network & Systems Integration**
  - Design & implementation of converged networks
  - Standards-based enterprise architectures
  - Storage area networks & server consolidation
  - Wireless connectivity
  - Network management & operations
- **Systems Engineering**
  - Design & analysis
  - Software process improvement
  - Systems development & integration
  - Testing & evaluation
- **Information Technology**
  - Business process engineering
  - Configuration / data management
  - Managed IT services, outsourcing & help desk
  - Operations, maintenance & IT logistics
- **Information Assurance**
  - Network security and access
  - Identity management
  - Continuity of operations & disaster recovery
- **Simulation & Training**
  - Software & system development
  - Curriculum development & training

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**AUTHORIZED FEDERAL SUPPLY SERVICE  
INFORMATION TECHNOLOGY SCHEDULE PRICELIST  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY  
EQUIPMENT, SOFTWARE AND SERVICES**

**SPECIAL ITEM NO. 132-33      PERPETUAL SOFTWARE LICENSES  
(FSC CLASS 7030)**

NOTE: Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

**SPECIAL ITEM NO. 132-34      MAINTENANCE OF SOFTWARE**

**SPECIAL ITEM NO. 132-51      INFORMATION TECHNOLOGY PROFESSIONAL SERVICES**

**FPDS CODE D301 - IT Facility Operation and Maintenance**

**FPDS CODE D302 - IT Systems Development Services**

**FPDS CODE D306 - IT Systems Analysis Services**

**FPDS CODE D307 - Automated Information Systems Design and  
Integration Services**

**FPDS CODE D308 - Programming Services**

**FPDS CODE D310 - IT Backup and Security Services**

**FPDS CODE D311 - IT Data Conversion Services**

**FPDS CODE D316 - IT Network Management Services**

**FPDS CODE D317 – Creation/Retrieval of IT Related Automated News Services,  
Data Services, or Other Information Services (All other information services belong  
Under Schedule 76)**

**FPDS CODE D399 - Other IT Services, Not Elsewhere Classified**

**Note 1:** All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

**Note 2:** Offerors and Agencies are advised that the Group 70 – Information Technology Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

**Note 3:** This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performed by the publisher or manufacturer or one of their authorized agents.

AUTHENTICATION PRODUCTS AND SERVICES – Authentication products and services provide for authentication of individuals for purposes of physical and logical access control, electronic signature, performance of E-business transactions and delivery of Government services. Authentication Products and Services consist of hardware, software components and supporting services that provide for identity assurance. Refer to clause C.65 Authentication Products and Services for requirements that must be met prior to award.

**SPECIAL ITEM NO. 132-62 HSPD-12 PRODUCT AND SERVICE COMPONENTS (FPDS D399)**

Personal Identity Verification (PIV) Credentials and Services. This facilitates trusted physical and electronic access to government facilities and networks using smart card technology. PIV Credentials and Services is a key enabler of identity assurance for access control and protects Federal facilities and information systems from unauthorized access, interception, and tampering.

**GENERAL DYNAMICS INFORMATION TECHNOLOGY, INC.**

3211 Jermantown Road, Fairfax, VA 22030-2844  
Telephone: (703) 246-0930 • FAX: (703) 246-0294

<http://www.gdit.com>

**Contract No: GS-35F-4357D**

**Contract Period: October 21, 1996 – January 14, 2013**

**General Services Administration  
Federal Supply Service**

**Price List Effective: January 15, 2008  
Current through Modification PO-0082**

Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! By accessing the Federal Supply Service's Home Page via the internet at <http://www.fss.gsa.gov>.



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**Information for Ordering Activities**

The Geographic Scope of Contract will be domestic delivery only.

**SPECIAL NOTICE TO ORDERING ACTIVITIES:**

**Small Business Participation**

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 micropurchase threshold, FAR 8.404 requires ordering activities 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](http://www.fss.gsa.gov)). The catalogs/pricelists, GSA Advantage!™ and the Federal Supply Service Home Page ([www.fss.gsa.gov](http://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 micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

**1. GEOGRAPHIC SCOPE OF CONTRACT**

Domestic delivery is delivery within the 48 contiguous states, the Alaska, Hawaii, Puerto Rico, Washington, DC and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- The Geographic Scope of Contract will be domestic and overseas delivery.
- The Geographic Scope of Contract will be overseas delivery only.

For Special Item Number 132-53 Wireless Services ONLY, if awarded, list the limited geographic coverage area: N/A

**2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION**

**Ordering Information:**

General Dynamics Information Technology  
3211 Jermantown Road  
Fairfax, VA 22030-2844

DUNS Number: 06-764-1597

For SIN's 132-33 and 132-34, contact:

Mr. Sam Bickford, Vice President  
Product Applications and Services  
(571) 594-5557

For SIN 132-51, IT Professional Services, contact:

Mr. Skip Derick, GSA Program Manager  
(703) 246-0930

For SIN 132-62, Authentication Products and Services, contact:

Ms. Laura E. Jones  
(703) 813-8320

The representatives for orders by facsimile transmission are as follows:

Mr. Skip Derick  
Fax (703) 246-0294  
or  
Mr. Sam Bickford  
Fax (571) 594-5557  
or  
Ms. Laura E. Jones  
Fax (703) 813-8499

For mailed orders, the postal mailing address where paper form orders should be mailed is as follows:

General Dynamics Information Technology, Inc.  
3211 Jermantown Road  
Fairfax, VA 22030-2844

Attention: Mr. Skip Derick - GSA Program Manager for SIN 132-51, IT Professional Services

Attention: Ms. Laura E. Jones for  
SIN 132-62

Attention: Mr. Sam Bickford, Vice  
President, for all other SIN's

**Payment Address:**

**Payment Via Wire Transfer:**

General Dynamics Information Technology, Inc.  
Citizens Bank of Pennsylvania  
Account Number 610172-419-4  
Routing Number 036076150

**Payment Via Check/U.S. Mail:**

General Dynamics Information Technology, Inc.  
P. O. Box 360152  
Pittsburgh, PA 15250-0152

Contractors are required to accept credit cards for payments equal to or less than the micro-purchase threshold for oral or written delivery orders. Credit Cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

Technical and Ordering Assistance:  
The following telephone numbers can be used by ordering activities to obtain technical and/or ordering assistance:

Technical and Ordering Information:

For SIN's 132-33 and 132-34 contact:

Mr. Sam Bickford, Vice President  
Product Applications and Services  
(571) 594-5557  
Email: [sam.bickford@gdit.com](mailto:sam.bickford@gdit.com)

For SIN 132-51, IT Professional Services,  
contact:

Mr. Skip Derick  
GSA Program Manager  
(703) 246-0930  
Email: [skip.derick@gdit.com](mailto:skip.derick@gdit.com)

For SIN 132-62, Authentication  
Products and Services, contact:

Ms. Laura E. Jones,  
(703) 813-8320  
Email: [laura.jones@gdit.com](mailto:laura.jones@gdit.com)

**3. LIABILITY FOR INJURY OR DAMAGE**

The Contractor shall not be liable for any injury to Ordering activity personnel or damage to ordering activity property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

**4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279**

Block 9: -G. Order/Modification Under Federal Schedule  
Block 16: Data Universal Numbering System (DUNS) Number: 06-764-1597  
Block 30: Type of Contractor - C. Large Business  
Block 31: Woman-Owned Business - No  
Block 36: Contractor's Taxpayer Identification Number (TIN) 54-1194322

4a. CAGE Code: 07MU1  
4b. Contractor has registered with the Central Contractor Registration Database.

**5. FOB Destination**

**6. DELIVERY SCHEDULE**

a. Time of Delivery. GDIT shall deliver to destination within the number of calendar days after receipt of order (ARO) as set forth below.

Item or Groups of Items (SIN or Nomenclature)	Delivery Time (Days ARO)
132-33	45
132-51	AS NEGOTIATED FOR EACH TASK ORDER
132-62	AS NEGOTIATED FOR EACH TASK ORDER

Expedited Delivery. GDIT cannot predict the immediate availability of any item offered herein. However, any Government request for expedited service will be given immediate consideration and handled on a case-by-case basis.

Overnight and Two-Day Delivery - Same as Expedited Delivery above.

b. Urgent Requirements: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities are encouraged, if time permits, to contact the Contractor for the

purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering activity, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

**7. DISCOUNTS: Prices shown are NET Prices; Basic Discounts have been deducted.**

- a. Prompt Payment None
- b. Quantity As indicated in software pricelist.
- c. Dollar Volume None
- d. Government Educational Institutions Same discounts as all other Government customers.
- e. Other None

**8. TRADE AGREEMENTS ACT OF 1979, AS AMENDED:**

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

**9. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING**

Not available within the scope of this contract.

**10. SMALL REQUIREMENTS:**

The minimum dollar value of orders to be issued is \$100.00.

**11. MAXIMUM ORDER: (All dollar amounts are exclusive of any discount for prompt payment.)**

- a. The Maximum Order value for the following Special Item Numbers (SINs) is \$500,000:

Special Item Number 132-33 - Perpetual Software Licenses

Special Item Number 132-34 – Maintenance of Software

Special Item Number 132-51 - Information Technology (IT) Professional Services

- b. The Maximum Order value for the following Special Item Number (SIN) is \$1,000,000:

Special Item Number 132-62 - HSPD-12 Product and Service Components

**12. ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS:**

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

**13. FEDERAL INFORMATION TECHNOLOGY /TELECOMMUNICATION STANDARDS REQUIREMENTS:**

Ordering activities acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering activities, shall be responded to promptly by the Contractor.

**13.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS):**

Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

**13.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS):**

Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance

with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDs should be obtained from the GSA, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301) 975-2833.

#### 14. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2001)

(a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.

(b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub. L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. The Industrial Funding Fee does NOT apply to travel and per diem charges.

NOTE: Refer to FAR Part 31.205-46 Travel Costs, for allowable costs that pertain to official company business travel in regards to this contract.

(c) Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.

(d) Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.

(e) Personnel: The Contractor may be required to provide key personnel, resumes or skill category

descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.

(f) Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.

(g) Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.

(h) Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.

(i) Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.

(j) Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.

#### 15. CONTRACT ADMINISTRATION FOR ORDERING OFFICES:

Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (1) Termination for the ordering activity's convenience, and (m) Termination for Cause (See C.1.)

#### 16. GSA Advantage!

*GSA Advantage!* is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. *GSA Advantage!* will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse GSA Advantage! By accessing the Internet World Wide Web utilizing a browser (ex. Netscape). The Internet address is <http://www.fss.gsa.gov/>.

## 17. PURCHASE OF OPEN MARKET ITEMS.

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. ODCs (Other Direct Costs) are not part of this contract and should be treated as open market purchases. Ordering Activities procuring open market items must follow FAR 8.402(f).

For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if**-

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

## 18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS.

a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:

- (1) Time of delivery/installation quotations for individual orders;
- (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/service/software package submitted in

response to requirements which result in orders under this schedule contract.

- (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.

b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

## 19. OVERSEAS ACTIVITIES

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

GDIT will ship orders to domestic port of embarkation only which is within the Continental United States (i.e. McClellan Air Force Base, CA). Overseas will be responsible for shipment and equipment from domestic port of embarkation.

Upon request of the Contractor, the ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable Government regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

**OCONUS Labor:** GDIT's rates are for CONUS efforts only. For OCONUS efforts GDIT will increase the labor rates by the applicable U.S. State Department published differentials. Other related international expenses required to support employees outside of the continental United States may be charged as ODCs (including but not limited to, special space costs, taxes, Defense Base Act (DBA) Workers' Compensation insurance, travel accident insurance, and possible telecommunications costs) in our task order proposals.

## 20. BLANKET PURCHASE AGREEMENTS (BPAs).

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

**21. CONTRACTOR TEAM ARRANGEMENTS**

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

**22. INSTALLATION, DEINSTALLATION, REINSTALLATION**

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8.

**23. SECTION 508 COMPLIANCE**

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at each vendor's home page.

The EIT standard can be found at: [www.Section508.gov/](http://www.Section508.gov/).

**24. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES**

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall

follow the terms of the applicable schedule and authorization and include with each order –

- (a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and
- (b) The following statement:

This order is placed under written authorization from \_\_\_\_\_ dated \_\_\_\_\_. In the event of any inconsistency between the terms of this order and those of your Federal Supply Schedule contract, the latter will govern.

**25. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)**

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.

(b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—

- (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
- (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

**26. SOFTWARE INTEROPERABILITY**

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the

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basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

**27. ADVANCE PAYMENTS**

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

**Terms and Conditions Applicable to  
Perpetual Software License (Special Item 132-  
33) and Maintenance (Special Item 132-34) of  
General Purpose Commercial  
Information Technology Software**

APPLICABLE, SHALL BE SHOWN ON THE  
INVOICE.

**1. INSPECTION/ACCEPTANCE**

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

**2. GUARANTEE/WARRANTY**

a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.

b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

**3. TECHNICAL SERVICES**

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number (703) 246-0421 for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from 9:00 a.m. to 5:00 p.m. EST, Monday through Friday.

**4. SOFTWARE MAINTENANCE**

a. Software maintenance offerings are listed within each manufacturers listing of products

b. Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF

**5. MAINTENANCE PERIODS (132-34)**

a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.

b. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days' written notice to the Contractor.

c. Annual Funding. When annually appropriated funds are cited on an order for term licenses and/or maintenance, the maintenance period shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the term licenses and/or maintenance orders citing the new appropriation shall be required, if the term licenses and/or maintenance is to be continued during any remainder of the contract period.

d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.

e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if the maintenance is to be terminated at that time. Orders for the continuation of maintenance will be required if the maintenance is to be continued during the subsequent period.

**6. CONVERSION FROM TERM LICENSE TO PERPETUAL LICENSE**

a. The ordering activity may convert term licenses to perpetual licenses for any or all software at any time following acceptance of software. At the request of the ordering activity the Contractor shall furnish, within ten (10) calendar days, for each software product that is contemplated for conversion, the total amount of conversion credits which have accrued while the software was on a term license and the date of the last update or enhancement.

b. Conversion credits which are provided shall, within the limits specified, continue to accrue from one contract period to the next, provided the software remains on a term license within the ordering activity.

c. The term license for each software product shall be discontinued on the day immediately

preceding the effective date of conversion from a term license to a perpetual license.

d. The price the ordering activity shall pay will be the perpetual license price that prevailed at the time such software was initially ordered under a term license, or the perpetual license price prevailing at the time of conversion from a term license to a perpetual license, whichever is the less, minus an amount equal to \_\_\_\_\_% of all term license payments during the period that the software was under a term license within the ordering activity.

#### 7. TERM LICENSE CESSATION

a. After a software product has been on a continuous term license for a period of \_\_\_\_\_ \* months, a fully paid-up, non-exclusive, perpetual license for the software product shall automatically accrue to the ordering activity. The period of continuous term license for automatic accrual of a fully paid-up perpetual license does not have to be achieved during a particular fiscal year; it is a written Contractor commitment which continues to be available for software that is initially ordered under this contract, until a fully paid-up perpetual license accrues to the ordering activity. However, should the term license of the software be discontinued before the specified period of the continuous term license has been satisfied, the perpetual license accrual shall be forfeited.

#### 8. UTILIZATION LIMITATIONS - (132-33 AND 132-34)

a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.

b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:

- (1) Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
- (2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies

access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user agency'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 ordering activity.

- (3) Except as is provided in paragraph 8.b(2) above, the ordering activity 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 the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity'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 ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.
- (4) The ordering activity 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 ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity 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.

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- (5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

**9. SOFTWARE CONVERSIONS – (132-33)**

Full monetary credit will be allowed to the ordering activity 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. Under a perpetual license (132-33), the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version.

**10. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY**

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

**11. RIGHT-TO-COPY PRICING**

The Contractor shall insert the discounted pricing for right-to-copy licenses.

## 12. SPECIAL SOFTWARE LICENSE TERMS FOR ORACLE CORPORATION

### A. DELIVERY, INSTALLATION AND TRAINING/TECHNICAL SERVICES

Delivery is not required for orders involving the purchase of additional license quantities or for orders involving renewal of Technical Support services only. For initial orders only, delivery of a Full Use Program license includes a media shipment in object code form as a set of CD Packs. Installation of the Programs is the responsibility of the Government unless installation services are procured from the Contractor.

Additional Programs may be included on the CD Packs delivered with an order that may be used for trial purposes only. For up to 30 days from the delivery date Customer may evaluate these Programs. Any use of these Programs after the 30 day trial period shall require the Customer to purchase the applicable license(s). Programs licensed for trial purposes are provided "as is" and the Contractor does not provide technical support or any warranties of any kind for these Programs.

### B. GUARANTEE

#### a. Warranties

##### (1) Program Warranty

The program warranty is for a period of one (1) year from the Delivery Date that each unmodified Program for which the Government has a Supported Program License will perform the functions described in the Documentation.

##### (2) Media Warranty

The tapes, diskettes or other media are warranted to be free of defects in materials and workmanship under normal use for one year from the Delivery Date.

##### (3) Services Warranty

Oracle's technical support and on-site technical assistance services will be performed consistent with generally accepted industry standards. This warranty shall be valid for ninety (90) days from performance of service.

##### (4) Disclaimers

THE WARRANTIES ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**GDIT does not warrant that the Programs will meet the U.S. Government's requirements, that the Programs will operate in the combinations which the U.S. Government may select for use, that the operation of the Programs will be uninterrupted or error-free, or that all Program errors will be corrected. Limited Production Programs, pre-production releases of Programs, and computer-based training products are distributed "as is."**

#### b. Exclusive Remedies

For any breach of the warranties contained above, the Government's exclusive remedy, and GDIT's entire liability, shall be:

##### (1) For Programs

The correction of Program errors that cause breach of the warranty, or if Oracle is unable to make the Program operate as warranted, the Government shall be entitled to recover the fees paid for the Program license.

##### (2) For Media

The replacement of defective media returned within one year of the Delivery Date.

#### c. Warranty Exclusion and Limitation of Damages

Except as expressly set forth in writing in this agreement and except for the implied warranty of merchantability, there are no warranties expressed or implied. In no event will GDIT be liable to the Government for consequential damages as defined in the Uniform Commercial Code, Section 2-715 in effect in the District of Columbia as of January 1, 1973, i.e.:

Consequential damages resulting from GDIT's breach include (a) any loss resulting from general or particular requirements and needs of which GDIT at the time of contracting had reason to know and which could not reasonably be prevented by cover or otherwise; and (b) injury to person or property proximately resulting from any breach of warranty.

## C. MAINTENANCE RESPONSIBILITY OF ORACLE CORPORATION

a. Oracle Corporation will provide services under the classification of maintenance (Technical Support).

(1) Updates Subscription Service provides customers with rights to new Oracle releases including product upgrades, maintenance

releases and patches. Oracle Updates Subscription Service consists of:

- Program Updates
- Patches
- General maintenance releases
- Selected functionality releases
- Documentation updates
- Limited access to bug fix information and patches on OracleMetalink
- Transfer rights (as specified in Oracle's Transfer Policies at the time of such transfer)

(2) Product Support is a 24x7 support service that provides direct access to Oracle experts for product-specific questions about installing and operating Oracle software. Web based support is provided via Oracle MetaLink. Features of MetaLink include proactive notifications, customized home pages, technical libraries and forums, product life-cycle information, a bug database, and the ability to log technical assistance requests. Product Support consists of:

- Telephone assistance with TARs 24 hours per day / 7 days a week
- Global toll free telephone access (Local Country Support Model only)
- Access to OracleMetaLink - web-based Customer support system
- Ability to log TARs through OracleMetalink
- Quarterly support newsletter
- Non-technical Customer service during normal business hours (e.g., assistance with support identifiers, assistance with logging into OracleMetaLink)
- One primary and one backup employee designated by the Government ("Technical Contacts") per License Set, to serve as liaisons with Oracle Support Services (OSS). The Government may elect to add Technical Contacts for an additional fee. The Government's designated Technical Contacts are the sole liaison between the Government and OSS for technical support of Programs, and shall be based at the Government's designated location. To avoid interruptions in support services, the Government must notify OSS whenever its Technical Contact responsibilities are transferred to another individual. In order to acquire Product Support for a License Set, the Updates Subscription Service for that License Set must be acquired as a prerequisite.

b. When acquiring the above Technical Support services, all Programs supported in a given License

Set within an operating unit (i.e., an independently functioning business unit, division or subsidiary) must be supported under the same support level (i.e., Update Subscription Service with Product Support or Update Subscription Service only). The Government may choose to leave certain Programs within a License Set unsupported.

c. With the acquisition of Product Support, the Government may designate one primary and one backup employee ("Technical Contacts") per License Set to serve as liaisons with Oracle Worldwide Customer Support. The designated Technical Contact is the sole liaison between the Government and Oracle for all product support and shall be based on the Government site.

d. One set of Updates is provided per supported License Set. For any Updates to the Programs, GDIT shall ship to the specified Customer location one Update copy for each operating system for which Customer's Program licenses were ordered. Customer shall be responsible for copying and installing the Updates. The Government will not receive Program Updates, maintenance releases, patches, telephone assistance, or any other Technical Support services for unsupported licenses. Unsupported licenses are not transferable (i.e., no credits will be received by the Government when transferring unsupported licenses).

e. Oracle Updates Subscription Service should be purchased at the time of acquisition of a Program license, and is renewable from year to year. This technical support option may be purchased annually for the fees set forth in Appendix 12. If Oracle Updates Subscription Service is not acquired at the time of purchase, lapses, or is terminated, the fee to reinstate support for unsupported licenses is equal to 100% of the fee due for Update Subscription Service for the license from the date the license was first unsupported to the present.

f. Product Support should be purchased at the time of acquisition of a Program license, and is renewable from year to year. In the event that Product Support is not acquired with the Program licenses, and provided that the Customer continuously maintains Updates Subscription Service or reinstates Updates Subscription Service as described in paragraph e above, Product Support may subsequently be acquired for the fees set forth in Appendix 12.

g. In the event that Product Support lapses or is terminated, and provided that the Customer continuously maintains Updates Subscription Service or reinstates Updates Subscription Service as described in paragraph e above, Product Support may be reinstated after six months from the termination or lapse date. The fee to reinstate

Product Support is set forth in Appendix 12 for the Program licenses from the date the licenses were first unsupported to the present.

#### D. UTILIZATION LIMITATIONS

Software acquisition is limited to commercial computer software defined to be:

a. **Commercial Computer Software** - Computer software which is used regularly for other than Government purposes and is sold, licensed or leased in significant quantities to the general public at established catalog prices. All Oracle Programs and related documentation provided hereunder are provided to the Government with Restricted Rights as defined at FAR 52.227-14, including Alternate III (Jun 1987).

When acquired by the Government, commercial computer software and related documentation shall be subject to the following:

- (1) Title to and ownership of the software, documentation and training materials shall remain with Oracle Corporation.
- (2) This software may be used by any agency (cabinet level or independent agency), division, branch, etc., thereof, that has access to the computer(s) the software is placed on, even if a subdivision did not participate in the acquisition of the software. This paragraph does not apply to time-sharing options.
- (3) The Government shall not provide or otherwise make available the software, documentation training materials or any portion thereof, or benchmark results, in any form, to any third party without the prior written approval of Oracle Corporation. Third parties do not include prime contractors, subcontractors, and agents of the Government who have the Government'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 Government to use software, documentation, or information therein which the Government may already have or obtains without restrictions.
- (4) The Government 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 Government has the right to transfer the software to another site if the Government site for which it is acquired is deemed to be unsafe for Government personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative;; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.

- (5) If Oracle, within sixty (60) days after a written request, fails to substantiate by clear and convincing evidence that computer software and documentation marked with the Restricted Rights Legend are commercial items and were developed at private expense, or if Oracle fails to refute evidence which is asserted by the Government as a basis that the software is in the public domain, the Government may cancel or ignore any restrictive markings on such computer software and documentation and may use them with unlimited rights. Such written requests shall be addressed to Oracle as identified in the Restricted Rights Legend.

No legend shall be marked on, nor shall any limitation or restriction on rights of use be asserted as to any data or computer software which Oracle has previously delivered to the Government without restriction. The limited or restricted rights provided for by this paragraph shall not impair the right of the Government to use similar or identical data or computer software acquired from other sources.

"Commercial Computer Software" may be marked with Oracle's standard commercial restricted rights legend but the schedule contract and schedule price list including this clause, "Utilization Limitations," are the only governing terms and conditions and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

- (6) The Government shall treat computer software bearing a copyright notice as an unpublished copyrighted work.

b. The Government agrees not to cause or permit the reverse engineering, disassembly, or decompilation of the computer software. However,

the Government has the right to modify the software.

#### **E. ORACLE LICENSE TRANSFER POLICY (only applicable to fully Supported Program licenses)**

**a. Transfer to a New Platform or Operating System.** A "License Transfer" occurs when a customer discontinues its use of a set of licensed Programs on a specified CPU or Designated System and transfers the use of that Program to a new system. In the event the Government desires to add a new platform or operating system requiring shipment of new binary software, the Government may acquire the additional set(s) of CD Packs for the Programs for the specific platform or operating system, provided the Government has continuously maintained Technical support for the relevant License Set. In order to purchase CD packs, a Customer must be current on Updates Subscription Service or Oracle *SILVER*. In certain cases, Oracle may designate supported migration paths for which new binary code will be provided to supported customers at no additional charge.

**b. Technical Support for Transferred Licenses.** Technical Support fees will be based on the newly licensed configuration.

#### **F. PATENT AND COPYRIGHT INDEMNITY**

Oracle will defend the Government against a claim that licensed Program materials furnished and used within the scope of the license granted hereunder infringe a U.S. patent or copyright and Oracle will pay resulting costs, damages and attorney's fees awarded, subject to the limitation of liability set forth in the contract or order, provided that:

a. The Government notifies Oracle in writing of the claim as soon as practical; and

b. Oracle shall have been given such opportunity as is offered by applicable laws, rules, or regulations to participate in the defense thereof. The Government shall make every effort to permit Oracle to fully participate in the defense and/or in any settlement of such claim.

If such claim has occurred, or in Oracle's opinion is likely to occur, the Government agrees to permit Oracle, at its option and expense, either to procure for the Government the right to continue using the licensed Program materials or to replace or modify the same so that they become non-infringing. If neither of the foregoing alternatives is reasonably available, the Government agrees, on reasonable advance written notice from Oracle, to return or destroy the original and all copies of the licensed Program materials received from Oracle, subject to

the Government's right to require continued use of the Programs or optional materials pursuant to the provisions of 28 U.S.C. 1498. In the event of such continued use, the Government shall notify Oracle in writing of its election to continue to be licensed with respect to the licensed Programs or optional materials and agrees to undertake at the Government's expense the defense of any action against the Government and to indemnify Oracle with respect to all costs, damages, and attorneys' fees attributed to such continued use after such notice is given to Oracle, it being understood that Oracle may participate at its expense in the defense of any such action if such claim is against Oracle.

Oracle shall have no obligation to defend the Government or to pay costs, damages, or attorney's fees for any claim based upon (1) use of other than a current unaltered release of the licensed Program if such infringement would have been avoided by the use of a current unaltered release of the licensed Program, or (2) the combination, operation, or use of any licensed Program materials furnished hereunder with non-Oracle programs or data if such infringement would have been avoided by the combination, operation or use of the licensed program materials with other Programs or data or (3) use of the licensed Program in other than the specified operating environment if such infringement would have been avoided by use in the specified operating environment.

The foregoing states the entire obligation of Oracle with respect to infringement of patents or copyrights.

#### **G. DISPOSITION OF SOFTWARE**

The Government will erase, destroy, or otherwise render unusable the software and return all copies of documentation, within thirty (30) calendar days of discontinuance of a license. Prior to returning the software and documentation to Oracle Corporation for any reason, the Government shall acquire a Return Material Authorization (RMA) Number from Oracle Customer Relations Department at (650) 506-1500.

#### **H. RISK OF LOSS OR DAMAGE**

The Government shall be relieved from all risks of loss or damage to the software Programs, unless such loss or damage is due to an Agency's fault or negligence or for other reasons for which the Government is legally liable.

#### **I. LIABILITY FOR INJURY OR DAMAGE**

Contractor shall not be liable for any injury to Government personnel or damage to Government property arising from the use of software provided

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by Contractor, unless such injury or damage is due to the fault or negligence of Contractor.

**J. VERIFICATION**

At the Contractor's written request, not more frequently than annually, the Government shall furnish the Contractor with a signed certification (a) verifying that the Programs are being used pursuant to the provisions of this Agreement, including any User and other limitations; and (b) listing the locations, types and serial numbers of the Designated Systems on which the Programs are run.

Subject to security regulations, the Contractor may, at its expense, audit the Government's use of the Programs. Any such audit shall be conducted during regular business hours at the Government's facilities and shall not interfere unreasonably with the Government's business. If an audit reveals that the Government has underpaid fees to the Contractor, the Government shall be invoiced for such underpaid fees based on the contract price in effect when the audit is completed; if the underpaid fees exceed five percent (5%) of the license fees paid, then the Government shall also pay the Contractor's reasonable costs of conducting the audit. Audits shall be conducted no more than once annually.

**K. TERMS AND CONDITIONS**

The ordering document between GDIT and the end user is subject to and incorporates the terms and conditions of Oracle's standard License and Services Agreement between Oracle and the end user. The Oracle License and Services Agreement is set forth in Appendix 9.

**Terms and Conditions Applicable to  
Information Technology (IT) Professional  
Services (Special Item 132-51)**

**1. SCOPE**

a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Services within the scope of this Information Technology Schedule.

b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

**2. PERFORMANCE INCENTIVES**

a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract in accordance with this clause.

b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.

c. Incentives should be designed to relate results achieved by the contractor to specific targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activities mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

**3. ORDER**

a. Ordering activities may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.

b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

**4. PERFORMANCE OF SERVICES**

a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.

b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

**5. STOP-WORK ORDER (FAR 52.242-25) (AUG 1989)**

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
- (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost

properly allocable to, the performance of any part of this contract; and

(2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

## 6. INSPECTION OF SERVICES

The Inspection of Services-Fixed Price (AUG 1996) (Deviation – May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection-Time-and-Materials and Labor-Hour (JAN 1986) (Deviation – May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

## 7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Deviation – May 2003) Rights in Data – General, may apply.

## 8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Services.

## 9. INDEPENDENT CONTRACTOR

All IT Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

## 10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

## 11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

## 12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002),

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(Alternate II – Feb 2002) (Deviation – May 2003) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003) applies to labor-hour orders placed under this contract.

**13. RESUMES**

Resumes shall be provided to the GSA Contracting Officer or the ordering activity upon request.

**14. INCIDENTAL SUPPORT COSTS**

Incidental support costs are available outside the scope of this contract. The costs will be negotiated

separately with the ordering activity in accordance with the guidelines set forth in the FAR.

**15. APPROVAL OF SUBCONTRACTS**

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

**16. DESCRIPTION OF IT SERVICES AND PRICING**

The IT Professional services provided under this contract can be found in Appendices 1 and 2. Labor rates are provided in Appendix 3.

**Terms and Conditions Applicable to  
Authentication Products and Services  
(Special Item 132-62)**

**AUTHENTICATION PRODUCTS AND SERVICES  
(MAY 2006) (C-FCI-007)**

**A. GENERAL BACKGROUND**

Authentication Products and Services provide for authentication of individuals for purposes of physical and logical access control, electronic signature, performance of E-business transactions and delivery of Government services. Authentication Products and Services consist of hardware, software components and supporting services that provide for identity assurance.

Homeland Security Presidential Directive 12 (HSPD-12), "Policy for a Common Identification Standard for Federal Employees and Contractors" establishes the requirement for a mandatory Government-wide standard for secure and reliable forms of identification issued by the Federal Government to its employees and contractor employees assigned to Government contracts in order to enhance security, increase Government efficiency, reduce identity fraud, and protect personal privacy. Further, the Directive requires the Department of Commerce to promulgate a Federal standard for secure and reliable forms of identification within six months of the date of the Directive. As a result, the National Institute of Standards and Technology (NIST) released Federal Information Processing Standard (FIPS) 201: Personal Identity Verification of Federal Employees and Contractors on February 25, 2005. FIPS 201 requires that the digital certificates incorporated into the Personal Identity Verification (PIV) identity credentials comply with the X.509 Certificate Policy for the U.S. Federal PKI Common Policy Framework. In addition, FIPS 201 requires that Federal identity badges referred to as PIV credentials, issued to Federal employees and contractors comply with the Standard and associated NIST Special Publications 800-73, 800-76, 800-78, and 800-79.

**B. SPECIAL ITEM NUMBER**

The General Services Administration has established the E-Authentication Initiative (see URL: <http://cio.gov/eauthentication>) to provide common infrastructure for the authentication of the public and internal federal users for logical access to Federal E-Government applications and electronic services. To support the government-wide implementation of HSPD-12 and the Federal E-Authentication Initiative, GSA is establishing the following Special Item Number (SIN):

SIN 132-62: HSPD-12 Product and Service Components. SIN 132-62 is established for products and services for agencies to implement the requirements of HSPD-12, FIPS-201 and associated NIST special publications. The HSPD-12 implementation components specified under this SIN are:

- PIV enrollment and registration services,
- PIV systems infrastructure,
- PIV card management and production services,
- PIV card finalization services,
- Physical access control products and services,
- Logical access control products and services,
- PIV system integration services, and
- Approved FIPS 201-Compliant products and services.

**C. QUALIFICATION INFORMATION**

All of the products and services for the SIN listed above must be qualified as being compliant with Government wide requirements before they will be included on a GSA Information Technology (IT) Schedule contract. The Qualification Requirements and associated evaluation procedures against the Qualification Requirements for each SIN and the specific Qualification Requirements for HSPD-12 implementation components are presented at the following URL: <http://www.idmanagement.gov>.

In addition, the National Institute of Standards and Technology (NIST) has established the NIST Personal Identity Verification Program (NPIVP) to evaluate integrated circuit chip cards and products against conformance requirements contained in FIPS 201. GSA has established the FIPS 201 Evaluation Program to evaluate other products needed for agency implementation of HSPD-12 requirements where normative requirements are specified in FIPS 201 and to perform card and reader interface testing for interoperability. Products that are approved as FIPS-201 compliant through these evaluation and testing programs may be offered directly through SIN 132-62 under the category "Approved FIPS 201-Compliant Products and services.

**D. QUALIFICATION REQUIREMENTS**

Offerors proposing products and services under Special Item Numbers (SIN) 132-62 are required to provide the following:

1. Proposed items must be determined to be compliant with Federal requirements for that Special Item Number. Qualification Requirements and procedures for the evaluation of products and services are posted at the URL: <http://www.idmanagement.gov>. GSA will follow these procedures in qualifying offeror's products and services against the Qualification Requirements for applicable SIN. Offerors are encouraged to submit a proposal under the Multiple Award Schedule (MAS)

Information Technology (IT) solicitation at the same time they submits products and services to be qualified. Award for SINs 132-62, will be dependent upon receipt of official documentation from the Acquisition Program Management Office (APMO) listed below verifying satisfactory qualification against the Qualification Requirements of the proposed SIN.

2. After award, Contractor agrees that certified products and services will not be offered under any other SIN on any GSA Multiple Award Schedule.

3. a. If the Contractor changes the products or services previously qualified, GSA may require the contractor to resubmit the products or services for re-qualification.

b. If the Federal Government changes the qualification requirements or standards, Contractor must resubmit the products and services for re-qualification.

#### **E. DEMONSTRATING CONFORMANCE**

The Federal Government has established Qualification Requirements for demonstrating conformance with the Standards. The following websites provide additional information regarding the evaluation and qualification processes:

1. for Access Certificates for Electronic Services (ACES) and PKI Shared Service Provider (SSP) Qualification Requirements and evaluation procedures: <http://www.idmanagement.gov>;

2. for HSPD-12 Product and Service Components Qualification Requirements and evaluation procedures: <http://www.idmanagement.gov>;

3. for FIPS 201 compliant products and services qualification and approval procedures: <http://www.csrc.nit.gov/piv-project/> and <http://www.smart.gov>.

#### **F. ACQUISITION PROGRAM MANAGEMENT OFFICE (APMO)**

GSA has established the APMO to provide centralized technical oversight and management regarding the qualification process to industry partners and Federal agencies. Contact the following APMO for information on the E-Authentication Qualification process.

The Acquisition Program Management Office point-of-contact for HSPD-12 Product and Service Components is:

Mike Brooks  
Director, Center for Smartcard Solutions  
Office of Center for Smartcard Solutions  
1800 F. Street, N.W., Room 5010  
Washington, D.C. 20405

202.501.2765 (telephone)

202.208.3133 (fax)

#### **1. ORDER**

a. Ordering activities may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.

b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

c. When placing an order, ordering activities may deal directly with the contractor or ordering activities may send the requirement to the Program Management Office to receive assisted service for a fee.

#### **2. PERFORMANCE OF SERVICES**

a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.

b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d. Any Contractor travel required in the performance of services under SIN 132-62 must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

#### **3. STOP-WORK ORDER (FAR 52.242-25) (AUG 1989)**

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called

for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
- (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
- (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

#### 4. INSPECTION OF SERVICES

The Inspection of Services-Fixed Price (AUG 1996) (Deviation – May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection-Time-and-Materials and Labor-Hour (JAN 1986) (Deviation – May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

#### 5. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Services.

#### 6. INDEPENDENT CONTRACTOR

All services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

#### 7. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

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**8. INVOICES**

The Contractor, upon completion of the work ordered, shall submit invoices for IT services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

**9. PAYMENTS**

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003) applies to labor-hour orders placed under this contract.

**10. RESUMES**

Resumes shall be provided to the GSA Contracting Officer or the ordering activity upon request.

**11. INCIDENTAL SUPPORT COSTS**

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

**12. APPROVAL OF SUBCONTRACTS**

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

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### 13. DESCRIPTION OF AUTHENTICATION PRODUCTS, SERVICES AND PRICING

HSPD-12 Managed Services include:

- PIV Enrollment and Registration
- PIV System Infrastructure
- PIV Card Management and Production
- PIV Card Activation and Finalization
- PIV Systems Integration

Pricing is based on a mandatory 5-year agreement for the specified card quantity (minimum of 20,000 cards). The following is included in the Standard HSPD-12 Managed Services price:

- GDIT will provide all hardware and software, including maintenance and upgrades, throughout the life of the agreement. GDIT owns all the hardware and software, which must be returned to GDIT at the completion of the agreed-to Managed Services term.
- Card Personalization is based on a centralized personalization model to be performed at a GDIT-specified Card Production Facility (CFP). Personalized cards will be sent via an approved secure means to the designated Card Activation and Finalization station for activation and issuance to the Applicant.
- In accordance with the client's processes, each Applicant who successfully completes the background investigation (i.e., NAC-I) will receive a PIV-II compliant card.
- All contractor program management and administrative costs.
- Startup services to include:
  - Configuration of the HSPD-12 infrastructure and databases for the client agency's business processes.
  - Definition of one (1) card profile (graphical and electrical) to govern the format of the cards to be produced.
  - Establishment of an agency-specific portal to provide support for the PIV roles (e.g., Sponsor, Enrollment Official, Adjudicator, Issuer, etc.), including on-line training for these roles.
  - Documentation of requirements that will be supported by HSPD-12.
  - Security Certification and Accreditation (C&A) documentation.
  - Price per card offering assumes the ordered quantity of cards (20,000 minimum) will be issued in the first continuous twelve month period. Volume discounts are available, calculated from the 20,000 minimum order price.
  - Price per card assumes a single agency or department is to be supported.
- HSPD-12 Systems Infrastructure housed in a GDIT-provided secure facility.
- Combined PIV Enrollment and Registration/Card Activation and Finalization workstations to be located at the client's site. GDIT will provide facility requirements to the Government. One (1) workstation will be provided for every 4,000-card commitment. Installation of the workstation is not included in the card pricing but can be purchased separately.
- Up to three (3) PKI certificates per card.
- OCSP services are included in the card pricing.
- Training via on-line portal for various roles.
- No interfaces to other agency systems are provided.
- Services to support all HSPD-12 life cycle activities, including:
  - Issuance
  - Renewal
  - Replacement of lost, stolen, or damaged card
  - Change of demographic information, such as name
  - Temporary inactivation
  - Termination and permanent inactivation

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- Tier 2 and 3 Help Desk support (8am – 5pm, excluding weekends and holidays). Client will provide Tier 1 support.

A Service Level Agreement (SLA), based on the Customer Requirements, will be established with each order to define the services to be delivered and the performance metrics.

Travel: All pricing is exclusive of travel. Allowable travel and per diem charges are governed by Public Law 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders.

Delivery Schedule: To be negotiated for each task order.

**GDIT HSPD-12 Managed Service Pricing – with Volume Discounts**

Part No.	Managed Services	Description	No. of Cards	1st Year Enrollment and Services - Price per Card	Discount From Minimum Quantity Price	Annual Maintenance for Years 2 through 5 - Price per Card	Discount From Minimum Quantity Price
ANT-HSPD12-MS-20	Managed Services for HSPD-12 credentials	Managed Services for Personal Identity Verification (PIV) Systems Integration, PIV Enrollment and Registration, PIV Systems Infrastructure, PIV Card Management and Production, and PIV Card Activation and Finalization. (see detailed description for HSPD-12 Managed Services)	20,000 - 99,999	\$ 255.66	0%	\$ 87.52	0.00%
ANT-HSPD12-MS-100	Managed Services for HSPD-12 credentials	Managed Services for Personal Identity Verification (PIV) Systems Integration, PIV Enrollment and Registration, PIV Systems Infrastructure, PIV Card Management and Production, and PIV Card Activation and Finalization. (see detailed description for HSPD-12 Managed Services)	100,000 - 249,999	\$ 88.51	65.3798%	\$ 33.62	61.586%
ANT-HSPD12-MS-250	Managed Services for HSPD-12 credentials	Managed Services for Personal Identity Verification (PIV) Systems Integration, PIV Enrollment and Registration, PIV Systems Infrastructure, PIV Card Management and Production, and PIV Card Activation and Finalization. (see detailed description for HSPD-12 Managed Services)	250,000 - 499,999	\$ 61.47	75.9563%	\$ 24.39	72.132%
ANT-HSPD12-MS-500	Managed Services for HSPD-12 credentials	Managed Services for Personal Identity Verification (PIV) Systems Integration, PIV Enrollment and Registration, PIV Systems Infrastructure, PIV Card Management and Production, and PIV Card Activation and Finalization. (see detailed description for HSPD-12 Managed Services)	500,000 - 999,999	\$ 50.15	80.38%	\$ 20.15	76.97669%
ANT-HSPD12-MS-1000	Managed Services for HSPD-12 credentials	Managed Services for Personal Identity Verification (PIV) Systems Integration, PIV Enrollment and Registration, PIV Systems Infrastructure, PIV Card Management and Production, and PIV Card Activation and Finalization. (see detailed description for HSPD-12 Managed Services)	1,000,000 +	\$ 46.18	81.93695%	\$ 19.47	77.754%

## Appendix 1

### IT Service Descriptions

#### IT Services Overview

- Full Range of System Development Life Cycle Services including IRM Planning, Business Process Reengineering, Systems and Information Engineering, System Design and Development, Programming, Software Life Cycle Management, Technical Support and Other IT-related Services
- Full Range of Integration Services including Planning, Development, Installation and Acceptance, Interoperability Verification, System Conversion, User Training, Security
- Full Range of Electronic Commerce (EC)/Electronic Data Interchange (EDI) Support
- Full Range of Network Services including LAN, WAN, MAN Planning, Design, Engineering, Implementation, Testing and Operations
- Full Range of Facility Operation and Management Services
- Full Range of Information Retrieval Services

**For additional information about any of GDIT's capabilities, give us a call (703-246-0930/Fax 703-246-0294) or visit the GDIT home page at <http://www.gdit.com>.**

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**Appendix 2**
**SIN 132-51 - Labor Category Requirements and Descriptions**

<b>LABOR CATEGORIES, EDUCATION AND YEARS OF EXPERIENCE</b>
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<u>No.</u>	<u>Labor Categories</u>	<u>Education</u>	<u>Experience</u>
ANT-001	Technical Expert Level 5	BA/BS	6
ANT-002	Technical Expert Level 4	BA/BS	8
ANT-003	Technical Expert Level 3	MA/MS	10
ANT-004	Technical Expert Level 2	MA/MS	12
ANT-005	Technical Expert Level 1	PhD	15
ANT-006	Project Manager/Task Lead	BA/BS	7
ANT-007	Program Manager	BA/BS	10
ANT-008	Sr. Program Manager	BA/BS	12
ANT-009	Proprietary Product Application Developer	*	*
ANT-010	Proprietary Product Application Designer	*	*
ANT-011	Proprietary Product Database Administrator	*	*
ANT-012	Proprietary Product System Architect	*	*
ANT-013	Business Process Reengineering Analyst	*	*
ANT-014	Reserved		
ANT-015	Scientist	BA/BS	2
ANT-016	Staff Scientist	BA/BS	5
ANT-017	SR Scientist	MA/MS	8
ANT-018	Principal Scientist	MA/MS	10
ANT-019	SR Principal Scientist	PhD	15
ANT-020	Reserved		
ANT-021	Reserved		
ANT-022	Reserved		
ANT-023	JR Systems Engineer	BA/BS	*
ANT-024	Systems Engineer	BA/BS	3
ANT-025	Staff Systems Engineer	BA/BS	6
ANT-026	SR Systems Engineer	BA/BS	8
ANT-027	Principal Systems Engineer	BA/BS	10
ANT-028	SR Principal Systems Engineer	MA/MS	15
ANT-029	Information Engineer	BA/BS	5
ANT-030	SR Information Engineer	BA/BS	8
ANT-031	Principal Information Engineer	BA/BS	10
ANT-032	JR Software Engineer	BA/BS	*
ANT-033	Software Engineer	BA/BS	2
ANT-034	Staff Software Engineer	BA/BS	3
ANT-035	SR Software Engineer	BA/BS	5
ANT-036	Principal Software Engineer	MA/MS	8
ANT-037	Software Architect	MA/MS	10
ANT-038	Computer Security Specialist	BA/BS	7
ANT-039	SR Computer Security Systems Specialist	BA/BS	10
ANT-040	JR Database Architect	BA/BS	2
ANT-041	Database Architect	BA/BS	3
ANT-042	SR Database Architect	BA/BS	5
ANT-043	Reserved		

\* See Labor Category Descriptions for Specialized Training and Minimum Qualifications

<u>No.</u>	<u>Labor Categories</u>	<u>Education</u>	<u>Years Experience</u>
ANT-044	JR Computer Programmer/Analyst	BA/BS	*
ANT-045	Computer Programmer/Analyst	BA/BS	3
ANT-046	Staff Computer Programmer/Analyst	BA/BS	4
ANT-047	SR Computer Programmer/Analyst	BA/BS	5
ANT-048	Principal Computer Programmer/Analyst	BA/BS	8
ANT-049	Computer Systems Programmer	BA/BS	5
ANT-050	Web Designer	BA/BS	2
ANT-051	Web Developer	BA/BS	4
ANT-052	SR Web Developer	BA/BS	8
ANT-053	Web Tech Administrator	BA/BS	4
ANT-054	Web Content Manager	BA/BS	2
ANT-055	Web Security Administrator	BA/BS	4
ANT-056	JR Computer Systems Analyst	AA/AS	*
ANT-057	Computer Systems Analyst	BA/BS	3
ANT-058	Staff Computer Systems Analyst	BA/BS	5
ANT-059	SR Computer Systems Analyst	BA/BS	8
ANT-060	Principal Computer Systems Analyst	BA/BS	10
ANT-061	Legacy System Analyst	*	*
ANT-062	JR Functional Analyst/Specialist	BA/BS	1
ANT-063	Functional Analyst/Specialist	BA/BS	5
ANT-064	SR Functional Analyst/Specialist	BA/BS	7
ANT-065	Principal Functional Analyst/Specialist	MA/MS	8
ANT-066	SR Principal Functional Analyst/Specialist	MA/MS	10
ANT-067	Data Management Specialist	BA/BS	6
ANT-068	Data Administrator	BA/BS	6
ANT-069	Data Manager	BA/BS	7
ANT-070	Computer Operations Manager	AA/AS	6
ANT-071	SR Computer Operations Manager	BA/BS	6
ANT-072	System Administrator/Operator	AA/AS	4
ANT-073	JR Computer Operator	*	*
ANT-074	Computer Operator	*	3
ANT-075	Reserved		
ANT-076	Communications Engineer	BA/BS	6
ANT-077	SR Communications Engineer	BA/BS	10
ANT-078	JR Network Engineer	BA/BS	*
ANT-079	Network Engineer	BA/BS	2
ANT-080	Staff Network Engineer	BA/BS	5
ANT-081	SR Network Engineer	MA/MS	8
ANT-082	Principal Network Engineer	MA/MS	10
ANT-083	Network Administrator	BA/BS	7
ANT-084	SR Network Administrator	BA/BS	8

\* See Labor Category Descriptions for Specialized Training and Minimum Qualifications

<u>No.</u>	<u>Labor Categories</u>	<u>Education</u>	<u>Years Experience</u>
ANT-085	Network/Computer Support Technician	*	2
ANT-086	SR Network/Computer Support Technician	*	3
ANT-087	Reserved		
ANT-088	Network/Computer Support Specialist	BA/BS	3
ANT-089	Computer System/Network Integration Engineer	*	*
ANT-090	Reserved		
ANT-091	Telecommunications Analyst	AA/AS	1
ANT-092	SR Telecommunications Analyst	AA/AS	3
ANT-093	Communications Network Manager	BA/BS	6
ANT-094	Reserved		
ANT-095	Reserved		
ANT-096	Reserved		
ANT-097	JR Help Desk Technician	*	*
ANT-098	Help Desk Technician	*	1
ANT-099	SR Help Desk Technician	*	3
ANT-100	Electronics/Electrical Technician	*	3
ANT-101	Reserved		
ANT-102	Hardware Specialist	BA/BS	5
ANT-103	Quality Assurance/IV&V Analyst	BA/BS	2
ANT-104	Quality Assurance/IV&V Specialist	BA/BS	4
ANT-105	Quality Assurance/IV&V Manager	BA/BS	7
ANT-106	Logistics Specialist	*	3
ANT-107	Reserved		
ANT-108	Configuration Management Specialist	BA/BS	5
ANT-109	SR Configuration Management Specialist	BA/BS	7
ANT-110	Reserved		
ANT-111	Training Specialist/Instructor	BA/BS	4
ANT-112	SR Training Specialist/Instructor	BA/BS	6
ANT-113	Reserved		
ANT-114	Training Specialist	AA/AS	3
ANT-115	SR Training Specialist	AA/AS	7
ANT-116	Principal Training Specialist	AA/AS	10
ANT-117	Reserved		
ANT-118	Reserved		
ANT-119	Testing and Validation Specialist	BA/BS	*
ANT-120	Reserved		
ANT-121	Principal Testing and Validation Specialist	MA/MS	5
ANT-122	Reserved		
ANT-123	Instructional System Designer	BA/BS	2
ANT-124	SR Instructional System Designer	MA/MS	5
ANT-125	Reserved		

\* See Labor Category Descriptions for Specialized Training and Minimum Qualifications

<u>No.</u>	<u>Labor Categories</u>	<u>Education</u>	<u>Years Experience</u>
ANT-126	JR Graphics Design Specialist	*	*
ANT-127	Graphics Design Specialist	AA/AS	3
ANT-128	Staff Graphics Design Specialist	AA/AS	5
ANT-129	SR Graphics Design Specialist	AA/AS	8
ANT-130	Principal Graphics Design Specialist	AA/AS	9
ANT-131	Videographer/Editor	AA/AS	*
ANT-132	Reserved		
ANT-133	Contract Administrator	BA/BS	2
ANT-134	SR Contract Administrator	BA/BS	5
ANT-135	Reserved		
ANT-136	JR Program Management Specialist	BA/BS	*
ANT-137	Program Management Specialist	BA/BS	3
ANT-138	SR Program Management Specialist	BA/BS	6
ANT-139	Principal Program Management Specialist	BA/BS	8
ANT-140	JR Program Support Specialist	AA/AS	*
ANT-141	Program Support Specialist	BA/BS	5
ANT-142	SR Program Support Specialist	BA/BS	7
ANT-143	JR Admin/Data Analyst	*	*
ANT-144	Admin/Data Analyst	*	2
ANT-145	Reserved		
ANT-146	Reserved		
ANT-147	Documentation Specialist	*	*
ANT-148	SR Documentation Specialist	AA/AS	8
ANT-149	Technical Writer	BA/BS	3
ANT-150	Technical Editor	BA/BS	5
ANT-151	Reserved		
ANT-152	Reserved		
ANT-153	Reserved		
ANT-154	Reserved		
ANT-155	Reserved		
ANT-156	Technical Typist	*	*
ANT-157	Data Entry Clerk	*	*

\* See Labor Category Descriptions for Specialized Training and Minimum Qualifications

Resumes shall be provided to the GSA Contracting Officer or user Agency upon request.

### **Education/Experience Substitutions**

The following presents the allowable substitutions based on education and experience:

Four (4) years' experience (in addition to minimum experience requirements) may be substituted for a Bachelor's degree.

Two (2) years' experience (in addition to minimum experience requirements and Bachelor's degree) may be substituted for a Master's degree.

Two (2) years' experience (in addition to minimum requirements and Master's degree) may be substituted for a Ph.D.

For categories where a Bachelor's degree is required, a Master's degree may be substituted for two (2) years' experience; or a doctoral degree may be substituted for three (3) years' experience.

Successful completion of each course in specialized or emerging technology (Windows 2000/XP, Oracle, Powerbuilder, Web development, internet/intranet security, and XML, etc.) may be substituted for one year of experience.

For the categories of JR Network Engineer, Network Engineer, Staff Network Engineer, and Communications Network Manager, a Certificate in a related technology (certified Network Engineer, for example) may be substituted for the degree requirement.

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**SIN 132-51 - LABOR CATEGORY DESCRIPTIONS**
**ANT-001 Technical Expert Level 5**

Minimum/General Experience: Experience qualifications will be determined on a case-by-case basis. Generally, this requires six years of general experience in information systems, including four years of specialized experience providing state-of-the-art solutions in information systems technology (or, if the particular area of expertise is new state-of-the-art technology, the specialized experience may be less than four years and more consistent with the age of the technology). Performs highly specialized and technical tasks associated with the most current and cutting-edge technologies. May serve as a technical consultant to a project or a number of projects dealing with area of technical expertise. Generally recognized as a leader in the industry in their area of expertise, sought out by others in their area of expertise for advice and guidance.

Functional Responsibility: Provide expert, independent services and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.

**ANT-002 Technical Expert Level 4**

Minimum/General Experience: Experience qualifications will be determined on a case-by-case basis. Generally this requires eight years of general experience in information systems, including six years of specialized experience providing state-of-the-art solutions in information systems technology (or, if the particular area of expertise is new state-of-the-art technology, the specialized experience may be less than six years and more consistent with the age of the technology). Recognized expert in the technology being addressed.

Functional Responsibility: Provide expert, independent services and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.

**ANT-003 Technical Expert Level 3**

Minimum/General Experience: Experience qualifications will be determined on a case-by-case basis. Generally this requires ten years of general experience

in information systems, including eight years of specialized experience providing state-of-the-art solutions in information systems technology (or, if the particular area of expertise is new state-of-the-art technology, the specialized experience may be less than eight years and more consistent with the age of the technology). Recognized expert in the technology being addressed.

Functional Responsibility: Provide expert, independent services and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.

**ANT-004 Technical Expert Level 2**

Minimum/General Experience: Experience qualifications will be determined on a case-by-case basis. Generally this requires twelve years of general experience in information systems, including ten years of specialized experience providing state-of-the-art solutions in information systems technology (or, if the particular area of expertise is new state-of-the-art technology, the specialized experience may be less than ten years and more consistent with the age of the technology).

Functional Responsibility: Provide expert, independent services and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.

**ANT-005 Technical Expert Level 1**

Minimum/General Experience: Experience qualifications will be determined on a case-by-case basis. Generally this requires fifteen years of general experience in information systems, including ten years of specialized experience providing state-of-the-art solutions in information systems technology (or, if the particular area of expertise is new state-of-the-art technology, the specialized experience may be less than ten years and more consistent with the age of the technology). Recognized expert in the technology being addressed.

Functional Responsibility: Provide expert, independent

services and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.

#### **ANT-006 Project Manager/Task Lead**

Minimum/General Experience: Must have seven years of general experience including five years of specialized experience of which two years were direct supervisory experience.

Functional Responsibility: Monitors each task, and keeps the Program Manager abreast of all problems and accomplishments. Anticipates problems, and works to mitigate the anticipated problems. As a team or project leader, provides technical direction for the complete systems development effort. May serve as a technical authority for a design area. As a staff specialist or consultant, resolves unique and unyielding systems problems using new technology. Can complete tasks within estimated time frames and budget constraints. Schedules and assigns duties to subordinates. Interacts with government management personnel. Reports in writing and orally to contractor management and government representatives, including the government contracting officer.

#### **ANT-007 Program Manager**

Minimum/General Experience: Must have at least ten years' experience, of which at least six years must be specialized. Specialized experience includes: complete engineering project development from inception to deployment, demonstrated ability to provide guidance and direction in the tasks similar to the sample tasks provided in the statement of work, proven expertise in the management and control of funds and resources, demonstrated capability in managing multi-task contracts of this type and complexity. General experience includes increasing responsibilities in information systems design and management.

Functional Responsibility: Serves as the contractor's contract manager, and shall be the contractor's authorized interface with the Government Contracting Officer (CO), the Contracting Officer's Representative (COR), government management personnel and customer agency representatives. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel and communicating policies, purposes, and goals of the organization to subordinates. Shall be responsible for the overall contract performance and shall not serve in any other capacity. Ability to manage and ensure the successful

completion multiple technical tasks in assigned program(s)

#### **ANT-008 Sr. Program Manager**

Minimum/General Experience: Must have more than twelve years' experience, of which at least five years must be supervisory experience. Must have the ability to manage and ensure the successful completion of multiple technical tasks in assigned program(s). Must have the ability to recruit, hire, manage, supervise, train, schedule, coordinate, and evaluate staff as assigned.

Functional Responsibility: Responsible for managing very complex and/or high risk programs, and shall not serve in any other capability. Directs daily staff and task activities to meet client and corporate work objectives. Supervises assigned technical and administrative staff, including subordinate managers. Assures quality of task products, services, and deliverables, including participating in reviews, audits, and site visits. Serves as a liaison with clients to coordinate activities, negotiate tasks, and solve problems. Responsible for coordinating and monitoring subcontractor activities.

#### **ANT-009 Proprietary Product Application Developer**

Minimum/General Experience: Completed three proprietary product courses such as Oracle 9i Forms, Oracle 9iAS Release 2PL/SQL, and Oracle 9i J2EE, and at least one year experience performing application development or; received a certification level with the proprietary product (such as Lotus Notes) and at least one year of experience performing applications development, in a broad based ADP setting. One year development experience using high technology and/or emerging technology proprietary software including but not limited to Oracle Application Development Products, Powerbuilder, Lotus Notes, Windows NT, JAVA, Visual C++, Netscape, and other Internet developer and applicator tools. Must have excellent communication skills both written and oral.

Functional Responsibility: Participates in the development of modernized software applications using high technology and/or emerging technology proprietary software.

#### **ANT-010 Proprietary Product Application Designer**

Minimum/General Experience: Completed four proprietary product courses such as Data Modeling and Relational Database Design, Oracle IDS Designer, Managing Development Using Oracle Repository, and Oracle 9iAS: Develop Web Based Applications with PL/SQL, Introduction to Design Proprietary Product (such as Oracle SQL, Powerbuilder, Windows NT) and at least one year of experience performing analysis, design and development, or; received a certification level

with the proprietary product (such as Lotus Notes) and at least one year of experience performing analysis, design and development or four years of intensive and progressive experience performing analysis, design and development on contemporary hardware using contemporary languages, two years of experience performing design and development using high technology and/or emerging technology CASE technology such as Oracle CASE products, Rational Rose, or UML. Must have excellent communication skills both written and oral.

**Functional Responsibility:** Performs high-level analysis and design tasks associated with the overall design of application systems using one or more high technology or emerging technology proprietary product tools. Directs emerging technology software development programs to include system and subsystem design and implementation. Works directly with the customer to define requirements.

#### **ANT-011 Proprietary Product Database Administrator**

**Minimum/General Experience:** Completed 3 proprietary product courses such as Oracle 9i DBA Fundamentals II, Oracle 9i Database Performance Tuning, Enterprise DBA Part 1A: Architecture and Administration, and at least two years experience in all phases of system analysis, data base administration, or five years of intensive and progressive experience in all phases of systems analysis, design and development. Three years experience as a database administrator for proprietary product RDBMS, such as ORACLE. Must have experience as Database Administrator with the latest commonly used version of the relevant RDBMS.

**Functional Responsibility:** Creates and manages the database. Performs exceptionally complex database administration functions which include, but is not limited to, managing/maintaining distributed relational databases residing in a central system. Provides 24 x 7 support for production issues.

#### **ANT-012 Proprietary Product System Architect**

**Minimum/General Experience:** Completed 4 proprietary product courses such as SQL and PL/SQL. Data Modeling and Relational Database Design, Oracle 9i Forms, Oracle 9iAS: Develop Web Based Applications with PL/SQL, and at least one year of experience in application design and development, or; completed three proprietary product courses and at least two years of experience in application design and development, or; six years experience in performing application development in a broad based ADP setting including two years of extensive experience in proprietary product architect tools such as Oracle Design/2000. Must have experience in the latest commonly used version of proprietary product such as Oracle RDBMS version 8.x or 9.x. Must have excellent

communication skills both written and oral.

**Functional Responsibility:** Participates in all phases of system design and development of complex applications generally in a client/server environment using a variety of proprietary product or emerging technology tools in a variety of operating environments. Works closely with the customer to validate system design and architecture.

#### **ANT-013 Business Process Reengineering Analyst**

**Minimum/General Experience:** Completed a minimum of 3 courses in Information Engineering & Business Process Reengineering Methodologies such as Activity Based Costing, IDEF Modeling, Facilitation, and two years' experience performing analysis projects, or; five years' experience, of which at least two years must be specialized in the implementation of information engineering projects using IE tools and methods. Two years business/functional experience is desirable, to support the business modeling.

**Functional Responsibility:** Applies business process improvement practices to reengineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques.

#### **ANT-014 Reserved**

#### **ANT-015 Scientist**

**Minimum/General Experience:** Requires at least two years' experience. Also requires knowledge of the principles, methods, and techniques used in scientific functional area(s) and knowledge of the associated equipment and systems used in assigned scientific functional area(s).

**Functional Responsibility:** Initiates and executes scientific research and/or development studies; analyzes problems and develops experimental or theoretical techniques for formalized engineering or scientific studies; resolves a variety of technical problems leading to advanced engineering studies designed to increase efficiency or reduce costs; plans and executes laboratory research; analyzes and organizes technical data and reports into summaries for management or customer review; demonstrates creative ability through patent disclosures or published papers; prepares technical manuals, reports and procedures reflecting advanced knowledge in assigned area of expertise; defines and describes laboratory tests to be performed; participates in test programs and prepares reports of test results; participates in special projects as required.

**ANT-016 Staff Scientist**

Minimum/General Experience: Requires at least five years' experience. Also requires knowledge of the principles, methods, and techniques used in scientific functional area(s) and knowledge of the associated equipment and systems used in scientific functional area(s).

Functional Responsibility: Initiates and executes scientific research and/or development studies; analyzes problems and develops experimental or theoretical techniques for formalized engineering or scientific studies; carries out development and testing of programs on systems, components and materials concurrent with design, fabrication or testing to better evaluate and minimize future problems; plans and executes laboratory research; develops alternative solutions to existing problems; uses specialized techniques and ingenuity to select and evaluate approaches to unforeseen or unique problems; performs or delegates all detail work necessary to determine optimum solutions; evaluates proposals and makes recommendations based on sound scientific principles and practical considerations; may provide work leadership for lower level employees; prepares cost and schedule estimates and technical documents on proposed projects in assigned area; demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles; participates in special projects as required.

**ANT-017 SR Scientist**

Minimum/General Experience: Requires at least eight years' experience. Also requires advanced knowledge of the principles, methods, theories, and techniques used in scientific functional area(s), advanced knowledge of the associated equipment and systems used in scientific functional area(s), and ability to serve as a technical task or project lead.

Functional Responsibility: Initiates, directs, and executes scientific research and/or development studies; may serve as a technical team or task lead; plans and performs scientific duties on new and varied problems where only general objectives are stated; coordinates broad phases of a project and performs advanced development work to obtain or maintain technical leadership in assigned field; plans and executes laboratory research; plans scientific effort in coordination with related efforts of other projects, departments, etc.; establishes and defines the theoretical bases and principles which should apply and the empirical test procedures to be used; conducts investigations or tests pertaining to the development of new designs, methods, materials, or processes and investigates possible applications of results; interprets and evaluates test data and results of investigations and develops recommendations; recommends necessary corrections in technical analyses and design to ensure successful project completion; may provide technical consultation in

area of specialty; may serve as a technical team or task lead; demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles; participates in special projects as required.

**ANT-018 Principal Scientist**

Minimum/General Experience: Requires at least ten years' experience in a specific scientific field. Also requires advanced knowledge of the principles, methods, theories, and techniques used in scientific functional area(s), as well as associated equipment and systems used in scientific functional area(s). Must also have the ability to serve as a technical team or task lead.

Functional Responsibility: Initiates, directs, and executes advanced-level scientific research and/or development studies. Plans and performs advanced scientific studies on new and varied problems where only general objectives are stated; acts as technical liaison with customers and sponsors, to include the preparation and presentation of high-level technical information; interprets, organizes, and coordinates overall project assignments within an assigned scientific functional area; plans and executes laboratory research; analyzes, evaluates, and plans methods of approach for projects and organizes means to achieve the solution of problems; serves as technical team or task lead; may provide supervision to lower-level staff; establishes and defines the theoretical bases and principles which should apply and the empirical test procedures to be used; conducts complex investigations or tests pertaining to the development of new designs, methods, materials, or processes and investigates possible applications of results; interprets and evaluates test data and results of investigations and develops recommendations; recommends necessary corrections in technical analyses and design to ensure successful project completion; specifies equipment, materials and suppliers required for completion and implementation of projects; evaluates vendor capabilities to provide or build required services, supplies, or equipment; maintains a current knowledge of technologies through the careful review of reports, patents, literature and other data; demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles; participates in special projects as required.

**ANT-019 SR Principal Scientist**

Minimum/General Experience: Requires over fifteen years' experience in a specific scientific field. Also requires advanced knowledge of the principles, methods, theories, and techniques used in scientific functional area(s), advanced knowledge of the associated equipment and systems used in scientific functional area(s), and the ability to serve as a technical team or task lead and supervise and direct the work of assigned staff.

**Functional Responsibility:** Makes decisions and recommendations that are recognized as authoritative and have an important impact on extensive scientific activities of the organization. This individual acts as primary technical liaison with customers and sponsors, to include the preparation and presentation of high-level technical information; analyzes, evaluates, and plans methods of approach for projects and organizes means to achieve the solution of problems; serves as technical team or task lead; supervises and directs the work of lower-level scientific and technical personnel; plans and executes laboratory research and/or the development and/or evaluation of advanced physics or first-principles engineering models; establishes and defines the theoretical bases and principles which should apply and the empirical test procedures to be used; conducts complex investigations or tests pertaining to the development of new designs, methods, materials, or processes and investigates possible applications of results; interprets and evaluates test data and results of investigations and develops recommendations; recommends necessary corrections in technical analyses and design to ensure successful project completion; specifies equipment, materials and suppliers required for completion and implementation of projects; evaluates vendor capabilities to provide or build required services, supplies, or equipment; maintains a current knowledge of technologies through the careful review of reports, patents, literature and other data; demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles; participates in special projects as required.

**ANT-020           Reserved**  
**ANT-021           Reserved**  
**ANT-022           Reserved**

**ANT-023           JR Systems Engineer**

**Minimum/General Experience:** Requires no experience or up to one year directly related experience in hardware systems engineering. Also requires knowledge of the principles, methods, and techniques used in the engineering, development, maintenance, and application of multiple operating systems; knowledge of or certification in one or more specific applications or processes may be required, depending on job assignment; must have the ability to write, maintain, and modify technical documentation/specifications.

**Functional Responsibility:** Assists in the design, development, analysis, installation, maintenance, operation and servicing of computer operating/hardware systems; provides customer support; works under direct supervision; does related work as required.

**ANT-024           Systems Engineer**

**Minimum/General Experience:** Must have three years' experience of which at least one year must be

specialized. Specialized experience includes: analytically solving workflows, organization, and/or planning problems. General experience includes increasing responsibilities in systems engineering.

**Functional Responsibility:** Designs software tools and subsystems to support software reuse and domain analysis. Interprets software requirements and design specifications to code, and integrates and tests software components.

**ANT-025           Staff Systems Engineer**

**Minimum/General Experience:** Must have six years' experience, of which at least three must be specialized. Specialized experience includes: supervision of system engineers, and demonstrated use of interactive, interpretative systems with on-line, real-time acquisition capabilities. General experience includes increasing responsibilities in systems engineering.

**Functional Responsibility:** Analyzes and studies complex system requirements. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and CASE tools. Estimates software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques. Supervises software configuration management

**ANT-026           SR Systems Engineer**

**Minimum/General Experience:** Must have eight or more years' directly related experience in all phases of systems engineering. Also requires advanced knowledge of the principles, methods, and techniques used in all phases of the engineering, application, and development of multiple operating systems; knowledge of or certification in specific applications or processes may be required, depending on job assignment.

**Functional Responsibility:** Participates in all phases of computer operating/hardware systems engineering, including design, analysis, and modeling at a highly technical level; analyzes complex computer software/hardware requirements to provide integration and implementation support; performs operating/hardware systems engineering, including full life cycle design and development; analyzes and documents users' functional and data requirements; develops site survey instruments to gather detailed user requirements and business process analysis data; conducts functional user interviews to document functional, system, customization, and data requirements and data sources; formulates system concepts and architecture, specifies requirements, and develops implementation approaches; determines data requirements for internal processes and external

interfaces; develops new systems or tailors commercial products to meet user requirements; directs and coordinates all activities necessary to complete a major engineering project or several small projects to specification and on schedule; may serve as task or project lead, exercising leadership in either a technical role training other hardware engineers and implementing and enforcing established standards and technologies, or in a project coordination role leading tasks and assuming responsibility for the design, development, test and delivery of a software system or application;

#### **ANT-027 Principal Systems Engineer**

Minimum/General Experience: Must have ten or more years' directly related experience in all phases of systems engineering. Requires advanced knowledge of the principles, methods, and techniques used in all phases of the engineering, application, and development of multiple operating systems; knowledge of or certification in specific applications or processes may be required, depending on job assignment.

Functional Responsibility: Establishes state-of-the-art techniques for designing, developing, modifying and troubleshooting highly complex computer operating/hardware system; may work independently on projects requiring advanced, concentrated and diversified knowledge regarding engineering principles in broad assignment areas or may serve as project lead with supervisory responsibilities. Designs operating/hardware systems; formulates system concepts and architecture, specifies requirements, and develops implementation approaches; identifies and directs resolution of complex hardware/software interface issues; subject matter expert on emerging technologies; directs the development of systems specifications and technical documentation; may serve as project lead, either working independently in a technical role in field of specialization, or in providing work leadership with management or supervisory responsibility for the group;

#### **ANT-028 SR Principal Systems Engineer**

Minimum/General Experience: Must have fifteen or more years' directly related experience in all phases of systems engineering. Also requires advanced knowledge of the principles, methods, and techniques used in all phases of the engineering, application, and development of multiple operating systems; knowledge of or certification in specific applications or processes may be required, depending on job assignment.

Functional Responsibility: Works at the highest systems level to provide expert advice and counsel to assigned functional/user area managers and project teams for systems of the most complex nature, often crossing functional lines. Designs major computer systems; coordinates work on subsystems; oversees the integration of new applications with established systems

and files; confers with assigned systems users and evaluates utilization to identify requirements modifications which will facilitate integration, increase efficiency and/or reduce costs; investigates new procedures, equipment and operating systems to determine their usefulness and applicability to operations; assists systems management in developing systems analysis standards and provides consultative direction to applications programmers, systems software engineers, computer center operations and user personnel in the planning and scheduling of systems projects which cross functional lines or are of the most complex nature.

#### **ANT-029 Information Engineer**

Minimum/General Experience: Must have a minimum of five years' experience, of which at least two years must be specialized in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. The following experience is also required: two years' experience in the implementation of information engineering projects and experience in systems analysis; design and programming using CASE and IE tools and methods. Two years business/functional experience is desirable, to support the business modeling activities. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Applies a business-wide set of disciplines for the planning, analysis, design and construction of information systems on a business-wide basis or across a major sector of the business. Performs business strategic systems planning, information planning, business and analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools such as Integrated Computer Aided Software Engineering (I-CASE) tools. Applies reverse engineering and reengineering disciplines to develop migration strategic and planning documents. Provides technical guidance in software engineering techniques and automated support tools.

#### **ANT-030 SR Information Engineer**

Minimum/General Experience: Must have at least eight years' experience, of which at least five must be specialized in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. The following experience is also required: demonstrated experience in the implementation of information engineering projects; systems analysis, design and programming using CASE and IE tools and methods and three to five years of business or functional experience. Must demonstrate the ability to work independently or under only general direction.

**Functional Responsibility:** Applies business process improvement practices to reengineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques. Assist in establishing standards for information systems procedures. Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems. Construct sound, logical business improvement opportunities consistent with the CIM guiding principles, cost savings, and open system architecture objectives. Provides daily supervision and direction to staff.

**ANT-031 Principal Information Engineer**

**Minimum/General Experience:** Must have at least ten years' experience in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. A minimum of five years' experience is required in the following: demonstrated experience in managing the implementation of information engineering projects and experience in systems analysis, design and programming using CASE and IE tools and methods. Proven managerial and supervisory skills. Demonstrated exceptional written and oral communications skills, including giving formal presentations to different audiences. Must demonstrate the ability to work independently or under only general direction.

**Functional Responsibility:** Applies an enterprise-wide set of disciplines for the planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. Performs enterprise-wide strategic systems planning, business information planning, business and analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools such as Integrated Computer Aided Software Engineering (I-CASE) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Provides technical guidance in software engineering techniques and automated support tools.

**ANT-032 JR Software Engineer**

**Minimum/General Experience:** Requires no experience or up to two years' directly related experience in software engineering, including the design, coding, testing, and documentation of computer programs Also requires knowledge of the fundamental concepts, practices and

procedures used in software engineering and applications and systems development.

**Functional Responsibility:** Assists in the design, development, analysis, and implementation of software operating systems and software application programs; works under general supervision; does related work as required. Works from specifications to develop and modify operating systems and software applications; participates in the design, coding, testing, debugging, and documentation of programs; assists in the definition of limited design specifications and parameters; assists engineers or analysts with the hardware/software integration of the application or utility into software operating systems; assists in the analysis of system architecture requirements; may customize purchased applications; participates in the research of emerging technologies to determine impacts on application execution; analyzes and documents client needs and requirements; assists with writing, modifying, and maintaining technical documentation and specifications such as user manuals, system documentation, and training materials; performs integration testing and support of various computer operating and/or network systems; troubleshoots and provides customer support for software operating system and application issues; maintains current knowledge of relevant hardware and software applications as assigned.

**ANT-033 Software Engineer**

**Minimum/General Experience:** Requires at least two years' directly related experience in software engineering, including the design, coding, testing, and documentation of computer programs. Also requires knowledge of the fundamental concepts, practices and procedures used in software engineering and applications and systems development.

**Functional Responsibility:** Participates in the design, development, analysis, and implementation of software operating systems and software application programs; works under general supervision; performs software operating systems and application engineering, including full life cycle design and development; works from specifications to develop and modify operating systems and software applications; participates in the design, coding, testing, debugging, and documentation of programs; participates in the definition of limited design specifications and parameters; assists engineers or analysts with the hardware/software integration of the application or utility into software operating systems; analyzes system architecture requirements; performs requirements acquisition and definition and data analysis; may customize purchased applications; performs technical and subject matter research on emerging technologies to determine impacts on application execution; analyzes and documents client needs and requirements; participates in the writing, modifying, and maintaining technical documentation and specifications such as user manuals, system

documentation, and training materials; performs integration testing and support of various computer operating and/or network systems; troubleshoots and provides customer support for software operating system and application issues; maintains current knowledge of relevant hardware and software applications as assigned; participates in special projects as required.

#### **ANT-034 Staff Software Engineer**

Minimum/General Experience: Requires at least three years' directly related experience in software engineering, including the design, coding, testing, and documentation of computer programs. Also requires knowledge of the fundamental concepts, practices and procedures used in software engineering and applications and systems development.

Functional Responsibility: Performs software operating systems and software application programs design, development, analysis, and implementation; performs software operating systems and application engineering, including full life cycle design and development; works under limited supervision; works from specifications to develop and modify operating systems and software programming applications; designs, codes, tests, debugs, and documents programs; defines limited design specifications and parameters; resolves hardware/software compatibility and interface design considerations; analyzes system architecture requirements; performs requirements acquisition and definition and data analysis; may customize purchased applications; conducts technical and subject matter research on emerging technologies to determine impacts on application execution; analyzes and documents client needs and requirements; participates in writing, modifying, and maintaining technical documentation and specifications such as user manuals, system documentation, and training materials; performs integration testing and support of various computer operating and/or network systems; troubleshoots and provides customer support for software operating systems and application issues; maintains current knowledge of relevant hardware and software applications as assigned.

#### **ANT-035 SR Software Engineer**

Minimum/General Experience: Requires at least five years' directly related experience in the design, writing, and testing of computer programs or database development. Also requires comprehensive knowledge of the principles, practices, and procedures used in all phases of full life cycle applications and systems development, engineering, programming, and analysis

Functional Responsibility: Participates in all phases of software operating systems and software application programs engineering, including design, analysis, and modeling at a highly technical level; Performs software operating systems and application engineering, including

full life cycle application systems design and development; assesses system architecture and hardware limitations; defines and selects new concepts and approaches for the design, development, and implementation of software engineering applications; defines complex design specifications and parameters; resolves complex hardware/software compatibility and interface design considerations; performs requirements acquisition and definition and data analysis; directs research on emerging technologies to determine impacts on application execution; performs systems modeling; may perform database analysis, design, implementation, and testing; writes, modifies, and maintains technical documentation and specifications such as user manuals, system documentation, and training materials; performs integration testing and support of various computer operating and/or network systems; troubleshoots and provides customer support for software operating systems and application issues; analyzes and documents client needs and requirements; serves as liaison with clients, participates in meetings to ensure client needs are met and may make client presentations; may serve as task or team lead, exercising leadership in either a technical role training other software engineers and implementing and enforcing established standards and technologies, or in a project coordination role leading tasks and assuming responsibility for the design, development, test and delivery of a software system or application;

#### **ANT-036 Principal Software Engineer**

Minimum/General Experience: Requires at least eight years' directly related experience in the design, writing, and testing of computer programs or database development, with two or more years experience in software operating systems architecture. Also requires expert knowledge of the principles, practices, and procedures used in all phases of full life cycle applications and systems development, engineering, programming, and analysis at a highly technical level.

Functional Responsibility: Participates in all phases of software operating systems and software application programs engineering, including design, analysis, and modeling at an expert level; establishes state-of-the-art techniques for designing, developing, modifying and troubleshooting highly complex software operating systems and applications architectures; defines complex design specifications and parameters; identifies and directs resolution of complex hardware/software interface issues; can serve as a subject matter expert on emerging technologies; directs the development of systems specifications and technical documentation; may serve as project lead, either working independently in a technical role in field of specialization, or providing work leadership with management or supervisory responsibility for the group.

**ANT-037 Software Architect**

Minimum/General Experience: Requires ten or more years' directly related experience in the design, writing, and testing of computer programs or database development, with four or more years experience in software operating systems architecture. Also requires expert knowledge of the principles, practices, and procedures used in all phases of full life cycle applications and systems development, engineering, programming, and analysis at a highly technical level.

Functional Responsibility: Establishes state-of-the-art techniques for designing, developing, modifying and troubleshooting highly complex software operating systems and applications architectures; defines complex design specifications and parameters; identifies and directs resolution of complex hardware/software interface issues; is recognized as a subject matter expert in all areas of software engineering, including emerging technologies; directs the development of systems specifications and technical documentation; may serve as project lead, either working independently in a technical role in field of specialization, or providing work leadership with management or supervisory responsibility for the group; responsible for task cost, schedule and level of effort estimates; reports project progress directly to senior management; performs business development services; may provide expertise to multiple projects and tasks; may supervise and direct the work of assigned staff.

**ANT-038 Computer Security Specialist**

Minimum/General Experience: Must have a minimum of seven years' experience, of which at least five years must be information security/Information Assurance (IA) experience. Must have experience in security administration, evaluation of security/Information Assurance product capabilities, assessment and policy development. Must have a solid understanding of federal information security/assurance policies, standards and regulations.

Functional Responsibility: Gathers and organizes technical information about an organization's mission goals and needs, IT infrastructure and existing security/IA products. Assists in developing security/IA policies, procedures and standards. Responsibilities will include working with the customer to minimize risks and assess and secure networks.

**ANT-039 SR Computer Security Specialist**

Minimum/General Experience: Must have a minimum of ten years' experience, of which at least eight must be information security/Information Assurance (IA) experience. Must have experience in security administration, evaluation of security/Information Assurance product capabilities, assessment and policy development. Must have a solid understanding of

federal information security/assurance policies, standards and regulations.

Functional Responsibility: . Gathers and organizes technical information about an organization's mission goals and needs, IT infrastructure, and existing security/IA products. Assists in developing security/IA policies, procedures, and standards. Responsibilities will include working with the customer to minimize risks and assess and secure networks. Evaluates and recommends security products for various platforms and initiatives. May act as a project leader and provide technical leadership and guidance.

**ANT-040 JR Database Architect**

Minimum/General Experience: Requires at least two years' directly related experience in the design, maintenance, and coding of databases. Also requires knowledge of the principles, methods, and techniques used in all phases of database development, coding, and design, including business analysis, event modeling, logical and physical database design, data access analysis and design, DBMS optimization, archive and recovery strategy, load strategy design and implementation, security, and change management.

Functional Responsibility: Participates in the design, maintenance, enhancement, and coding of relational databases; analyzes and determines information needs and elements, data relationships and attributes, data flow and storage requirements, and data output and reporting capabilities; assists on developing data modeling and participates in data acquisition and access analysis and design, and archive, recovery, and load strategy design and implementation; coordinates new data development ensuring consistency and integration with existing data warehouse structure; reviews requests for data and data usage, researches data sources for new and better data feeds; participates in continuous improvement efforts in enhancing performance and providing increased functionality; assists with the development of screens and queries; tests designed applications; assists with upgrades and maintenance of hardware and software; maintains current knowledge of relevant hardware and software applications as assigned; participates in special projects as required.

**ANT-041 Database Architect**

Minimum/General Experience: Requires at least three years' directly related experience in the design, maintenance, and coding of databases. Also requires knowledge of the principles, methods, and techniques used in all phases of database development, coding, and design, including business analysis, event modeling, logical and physical database design, data access analysis and design, DBMS optimization, archive and recovery strategy, load strategy design and implementation, security, and change management

**Functional Responsibility:** Designs, maintains, enhances, and codes relational databases; analyzes and determines information needs and elements, data relationships and attributes, data flow and storage requirements, and data output and reporting capabilities; develops data modeling and participates in data acquisition and access analysis and design, and archive, recovery, and load strategy design and implementation; coordinates new data development ensuring consistency and integration with existing data warehouse structure; reviews requests for data and data usage, researches data sources for new and better data feeds; participates in continuous improvement efforts in enhancing performance and providing increased functionality; designs data structures to accommodate database production, storage, maintenance, and accessibility; develops screens and queries; tests designed applications; performs upgrades and maintenance of hardware and software; provides technical support and guidance to users; maintains current knowledge of relevant hardware and software applications as assigned; may serve as team or technical task lead; participates in special projects as required.

**ANT-042 SR Database Architect**

**Minimum/General Experience:** Requires at least five years' directly related experience in the design, maintenance, and coding of databases. Also requires advanced knowledge of the principles, methods, and techniques used in all phases of database development, coding, and design, including business analysis, event modeling, logical and physical database design, data access analysis and design, DBMS optimization, archive and recovery strategy, load strategy design and implementation, security, and change management.

**Functional Responsibility:** Designs, maintains, enhances, and codes relational databases; analyzes and determines information needs and elements, data relationships and attributes, data flow and storage requirements, and data output and reporting capabilities; develops data modeling and is responsible for data acquisition and access analysis and design, and archive, recovery, and load strategy design and implementation; coordinates new data development ensuring consistency and integration with existing data warehouse structure; reviews business requests for data and data usage, researches data sources for new and better data feeds; participates in continuous improvement efforts in enhancing performance and providing increased functionality; designs data structures to accommodate database production, storage, maintenance, and accessibility; develops screens and queries; tests designed applications; may perform upgrades and maintenance of hardware and software; provides technical support and guidance to users; maintains current knowledge of relevant hardware and software applications as assigned; may serve as team or technical task lead and provide guidance and training to

lower-level staff; participates in special projects as required.

**ANT-043 Reserved**

**ANT-044 JR Computer Programmer/Analyst**

**Minimum/General Experience:** None required. Entry-level position.

**Functional Responsibility:** Tests assigned software units to ensure accurate design; evaluates, reports, and corrects any discrepancies found during the testing process; configures computers and other peripherals; makes software changes when needed; codes programs to improve program effectiveness and efficiency; works with customers/clients to identify and solve programming problems; creates, modifies, and maintains new software applications as assigned; troubleshoots various software products to determine source of errors; prepares and updates operating procedures, specifications, and other documentation of various software products; may assist in the design and development of computer-based and/or multimedia courseware for customer training initiatives; installs software products on computer hardware.

**ANT-045 Computer Programmer/Analyst**

**Minimum/General Experience:** Must have at least three years' experience in the computer programming field. Depending on the job assignment, knowledge of or certification in specific applications or processes may be required in the following areas: Web technologies, design technologies, specific programming languages, authoring languages and systems, and Modeling and Simulation (M&S) technologies, processes, and tools.

**Functional Responsibility:** Generates new code and corrects, converts, and/or modifies existing code to meet documented standards; designs new and/or redesigns and maintains existing software products; identifies client needs and requirements based on evaluation of client documentation and interviews; performs data and technical analysis; performs a variety of testing procedures on assigned products, analyzes test results, and corrects problems; prepares test scripts and descriptions and examines to locate necessary modifications; analyzes and modifies program specifications and documentation to support contract requirements; may design and develop computer-based and/or multimedia courseware for customer training initiatives utilizing appropriate authoring languages, systems, animation and graphics software; provides customer support to clients and troubleshoots problems.

**ANT-046 Staff Computer Programmer/Analyst**

Minimum/General Experience: Requires at least four years' experience in the computer programming field. Depending on the job assignment, knowledge of or certification in specific applications or processes may be required in the following areas: Web technologies, design technologies, specific programming languages, authoring languages and systems, and Modeling and Simulation (M&S) technologies, processes, and tools.

Functional Responsibility: Programs, designs, analyzes, codes, implements, and tests software applications and modules in various languages, including business software systems and applications; provides network support including providing technical solutions and training; writes, modifies, and maintains software documentation and specifications; performs integration testing and support of various computer operating and/or network systems; installs, configures, and troubleshoots various hardware and software platforms; analyzes and documents client needs and requirements; may train other programmer/analysts; develops product documentation to describe system requirements and use; may design and develop computer-based and/or multimedia courseware for customer training initiatives utilizing appropriate authoring languages, systems, animation and graphics software; participates in meeting; prepares reports on analyses, findings, and project progress; performs technical research on emerging technologies to determine impacts on application execution.

**ANT-047 SR Computer Programmer/Analyst**

Minimum/General Experience: Requires at least five years' experience in the computer programming field. Depending on the job assignment, knowledge of or certification in specific applications or processes may be required in the following areas: Web technologies, design technologies, specific programming languages, authoring languages and systems, and Modeling and Simulation (M&S) technologies, processes, and tools.

Functional Responsibility: Participates in all phases of software development, including system design, analysis, architecture, and engineering; programs, designs, analyzes, codes, implements, and tests software applications, modules, and databases in various languages, including those associated with scientific, technical, or engineering problems; performs process analyses in order to recommend improvements; performs system, network, and/or database administration, analysis, design, implementation, and testing; analyzes and documents client needs and requirements; provides technical support including providing technical solutions and training; writes, modifies, and maintains software documentation and specifications;

Performs a variety of testing for computer operating and/or network systems; performs data and technical analysis and information engineering; installs, configures, and troubleshoots various hardware and software platforms; may design and develop computer-based and/or multimedia courseware for customer training initiatives utilizing appropriate authoring languages, systems, animation and graphics software; participates in meetings and design reviews; prepares reports on analyses, findings, and project progress; performs technical research on emerging technologies to determine impacts on application execution; may serve as a technical task or team lead.

**ANT-048 Principal Computer Programmer/Analyst**

Minimum/General Experience: Requires at least eight years' experience in the computer programming field. Depending on the job assignment, knowledge of or certification in specific applications or processes may be required in the following areas: Web technologies, design technologies, specific programming languages, authoring languages and systems, and Modeling and Simulation (M&S) technologies, processes, and tools.

Functional Responsibility: Participates in all phases of software development, including system design, analysis, architecture, and engineering; plans and directs the development of major programming projects and the installation of systems; programs, designs, analyzes, codes, implements, and tests software applications, modules, and databases in various languages, including those associated with scientific, technical, or engineering problems; performs process analyses in order to recommend improvements; performs system, network, and/or database administration, analysis, design, implementation, and testing; analyzes and documents client needs and requirements; provides technical support including providing technical solutions and training; writes, modifies, and maintains software documentation and specifications; performs a variety of testing for computer operating and/or network systems; performs data and technical analysis and information engineering; installs, configures, and troubleshoots various hardware and software platforms; may design and develop computer-based and/or multimedia courseware for customer training initiatives utilizing appropriate authoring languages, systems, animation and graphics software; participates in meetings and design reviews; prepares reports on analyses, findings, and project progress; may supervise and direct the work of lower-level analysts; performs technical research on emerging technologies to determine impacts on application execution; may serve as a technical task or team lead.

**ANT-049 Computer Systems Programmer**

Minimum/General Experience: Must have at least five years' experience, of which at least three years must be specialized. Specialized experience includes:

systems analysis and programming. Must demonstrate the ability to work independently or under only general direction.

**Functional Responsibility:** Create and/or maintain operating systems, communications software, database packages, compilers, assemblers, and utility programs. Modify existing software, as well as create special-purpose software to ensure efficiency and integrity between systems and applications. Assist in the development, testing and maintenance of disaster recovery procedures.

#### **ANT-050 Web Designer**

**Minimum/General Experience:** Requires at least two years experience in Web design. Also requires knowledge of the principles, methods, and techniques used in Web design.

**Functional Responsibility:** Designs and builds Web pages using a variety of graphics software applications, techniques, and tools; designs and develops user-interface features, site animation, and special-effects elements; designs the Website to support the customer's strategies and goals relative to external communications; contributes to the Web design group's efforts to specify, improve, and implement the look, feel, and function of online projects; interfaces directly with customers, users, graphic artists, and Web software developers.

#### **ANT-051 Web Developer**

**Minimum/General Experience:** Requires at least four years' experience in software development, installation, and modification in an online environment.

**Functional Responsibility:** Provides application development and technical support for internal and external Webs; develops Web pages and applications for customers; collaborates with graphic artists to develop Web page graphics that support interactive, marketing-focused content; provides technical consultation in new systems development, new package evaluations and enhancements of existing systems; prepares functional specifications from which programs will be written, then designs, codes, tests, debugs and documents programs; participates in the technical design, development, testing, implementation and maintenance of Web site enhancements; plans, schedules and conducts systems tests, monitors test results, and takes appropriate corrective action; may prepare technical user guides.

#### **ANT-052 SR Web Developer**

**Minimum/General Experience:** Requires at least eight years' experience, of which at least two years must include technical leadership experience and at least four years' experience in software development, installation, and modification in an online environment.

**Functional Responsibility:** Designs and develops well-integrated and cost-effective solutions for internal and external Webs; works closely with client project managers and technical leaders to understand customers' business objectives and systems requirements; designs and develops Web infrastructures; designs and implements an intranet strategy for authorization of users to access controlled components; designs relational databases to perform well logically and physically for decision support; coordinates enhancements and maintenance of Web systems and sites; provides recommendations for server operating systems, hardware requirements and encryption standards for communications to and from secure servers; provides technical advice and expertise to Webmasters and Web developers in the installation, acceptance testing, and evaluation of newly released and beta software; may serve as a functional/technical team or task lead.

#### **ANT-053 Web Tech Administrator**

**Minimum/General Experience:** Requires at least four years' experience in systems technology. Must have an understanding of federal information security/assurance policies, standards and regulations.

**Functional Responsibility:** Responsible for achieving overall technical integrity of organization's Website. Maintains and upgrades hardware and software including website technical architecture related to hardware and telecommunication connectivity. Administers e-mail, chat, and FTP and HTTP services. Communicates router configuration changes and troubleshoots system errors and bugs. Maintains servers, creates monitoring reports and logs, and ensures functionality of links. Monitors site for acceptable performance and user accessibility. Establishes backups and monitors site security.

#### **ANT-054 Web Content Manager**

**Minimum/General Experience:** Requires at least two years' experience in production management, Web page design, Web design languages, and Web graphics types and standards.

**Functional Responsibility:** Responsible for developing and providing content that will motivate and entertain users so that they regularly access the Website and utilize it as a major source for information and decision making. Responsible for managing/performing Website editorial activities including gathering and researching information that enhances the value of the site. Locates, negotiates, and pursues content. Seeks out customers to gather feedback for Website improvement and enhancements.

**ANT-055 Web Security Administrator**

Minimum/General Experience: Requires at least four years' experience in software development, installation, and modification in an online environment. Requires experience in security administration, evaluation of security/Information Assurance (IA) product capabilities, assessment and policy development. Must have a solid understanding of federal information security/assurance policies, standards and regulations.

Functional Responsibility: Performs all procedures necessary to ensure the safety of the organization's Website and transactions across the Internet. Applies Internet Firewall technologies to maintain security. Ensure that the user community understands and adheres to necessary procedures to maintain security. Works under limited supervision.

**ANT-056 Jr. Computer Systems Analyst**

Minimum/General Experience: Requires no experience or up to two years' experience in systems analysis. Also requires knowledge of the fundamental concepts, practices and procedures used in most phases of systems analysis; knowledge of pertinent system software and computer equipment. Depending on the job assignment, knowledge of or certification in specific applications or processes may be required.

Functional Responsibility: Analyzes user needs and identifies resources required for each task to determine functional requirements; codes applications and tests to software requirements; assists in design and development of new systems or modifies existing systems that meet the user's needs; assists higher-level analysts in analyzing alternative systems, cost aspects and feasibility factors; writes or updates software specifications; records all inputs and outputs of systems, including file sizes, data bank requirements, variability of information and appropriate statistical measures such as frequency, volume, peaking, etc; prepares appropriate documentation for new or existing systems; troubleshoots and provides technical support and solutions to users.

**ANT-057 Computer Systems Analyst**

Minimum/General Experience: Must have at least three years of computer experience in assignments of a technical nature working under close supervision and direction. Must have at least one year experience in analyzing and programming applications on large-scale or mid-tier computers (or LAN-based) with a minimum of one year of design and programming of moderately complex ADP systems.

Functional Responsibility: Develops requirements for information systems from a project's inception to conclusion. Develops required specifications for simple to moderately complex systems.

Assists senior computer systems analyst in preparing input and test data for the proposed system.

**ANT-058 Staff Computer Systems Analyst**

Minimum/General Experience: Must have five years of computer experience in information systems design and management. At least three years of experience in analysis and design of business applications for complex large-scale or mid-tier computer systems, or LAN-based systems.

Functional Responsibility: Analyzes and develops computer software processing a wide range of capabilities, including numerous engineering, business, and records management duties. Develops plans for systems from project inception to conclusion. Analyzes the problem and the information to be processed. Defines the problem, and develops system requirements and program specifications from which programmers prepare detailed flow charts, programs, and tests. Coordinates closely with programmers to ensure proper implementation of program and system specifications. Develops, in conjunction with functional users, system alternative solutions.

**ANT-059 SR Computer Systems Analyst**

Minimum/General Experience: Must have eight years of computer experience working independently or under general direction on complex application problems involving all phases of systems analysis. At least five years' experience in analysis and design of business applications for complex, large-scale or mid-tier computer systems, or LAN-based systems.

Functional Responsibility: Analyzes and evaluates user needs and identifies resources required for each task to determine functional requirements; conceptualizes, develops, and implements complex systems designed to meet client requirements; defines systems objectives and prepares system design specifications to meet requirements; designs, develops, implements, and tests new systems or modifies existing systems that meet the user's needs; codes applications and tests to software requirements; writes or updates software specifications; analyzes procedures and systems to refine their formulation and convert to programmable formats; analyzes data requirements to determine data source and destinations; coordinates with client to define problem, determine data availability, report requirements, and resolve system design problems; creates logical data models based on functional requirements; performs quality review of specifications for internal and external delivery; troubleshoots and provides technical support and solutions to users; develops analytical tools for use in the design and redesign of programs as assigned; may serve as a technical team or task lead.

**ANT-060 Principal Computer Systems Analyst**

Minimum/General Experience: Must have ten years' of computer experience working independently or under general direction on complex application problems involving all phases of systems analysis. At least five years' experience in analysis and design of business applications for complex, large-scale or mid-tier computer systems, or LAN-based systems.

Functional Responsibility: Analyzes and evaluates user needs and identifies resources required for each task to determine functional requirements; conceptualizes, develops, and implements complex systems designed to meet client requirements; defines systems objectives and prepares system design specifications to meet requirements; designs, develops, implements, and tests new systems or modifies existing systems that meet the user's needs; develops and executes test plans; codes applications and tests to software requirements; writes or updates software specifications as necessary; writes technical project documentation including detailed design documents and program specifications; analyzes procedures and systems to refine their formulation and convert to programmable formats; analyzes data requirements to determine data source and destinations; coordinates with client to define problem, determine data availability, report requirements, and resolve system design problems; creates logical data models based on functional requirements; performs quality review of specifications for internal and external delivery; troubleshoots and provides technical support and solutions to users; develops analytical tools for use in the design and redesign of programs as assigned; may serve as a technical task or team lead.

**ANT-061 Legacy System Analyst**

Minimum/General Experience: Expert (five or more years of experience) in a specific "legacy system(s)" functionality to include knowledge of designated "legacy" hardware, operating systems, capacities, configurations, applications programs, preference programming languages, and administration, operations, and maintenance characteristics of the designated "legacy" system.

Functional Responsibility: Analyze requirements for maintaining, modifying or converting unique application systems that are deemed "legacy" systems. Provide guidance and technical/functional advice to programmers. Provide unique knowledge of the history of changes to the "legacy" applications. Develop plans to migrate "legacy" systems to new technologies and/or new functionality. Analyze and document "legacy" system functionality to identify mandatory requirements to be fulfilled by migration system candidates. May also participate in the analysis and evaluation of migration system candidates. May also participate in designing, developing and implementing changes to "legacy" systems to accommodate such requirements as interim

interfaces to migration systems and/or conversion to migration systems.

**ANT-062 JR Functional Analyst/Specialist**

Minimum/General Experience: Requires at least one year directly related experience in a specific functional area.

Functional Responsibility: Analyzes user needs and performs research and functional analysis on a variety of projects; works under direct supervision; does related work as required.

**ANT-063 Functional Analyst/Specialist**

Minimum/General Experience: This position requires a minimum of five years' experience, of which at least three years must be specialized. Specialized experience includes: developing functional requirements for complex integrated systems. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Analyzes user needs to determine functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task.

**ANT-064 SR Functional Analyst/Specialist**

Minimum/General Experience: This position requires a minimum of seven years' experience, of which at least six years must be specialized. Specialized experience includes: developing functional requirements for complex integrated systems. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Analyze user needs to determine functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Provides daily supervision and direction to support staff.

**ANT-065 Principal Functional Analyst/Specialist**

Minimum/General Experience: This position requires at least eight years' experience, of which at least six years must be specialized. Specialized experience includes developing functional requirements for complex integrated systems. Requires advanced technical knowledge of the principles, methods, techniques, work processes, and applicable regulations in assigned subject-matter area(s).

Functional Responsibility: Analyzes user needs and performs research and functional analysis on a variety of projects at a highly technical level; may have supervisory

responsibility; serves as technical advisor to clients in assigned subject areas' recommends functional changes, and identifies areas for further investigation; generates recommendations in the form of technical briefings, reports, and other major documents provided to senior level client personnel; may serve as a technical team or task lead.

#### **ANT-066 SR Principal Functional Analyst/Specialist**

Minimum/General Experience: This position requires at least ten years' experience, of which at least six years must be specialized. Specialized experience includes developing functional requirements for complex integrated systems. Requires advanced technical knowledge of the principles, methods, techniques, work processes, and applicable regulations in assigned subject-matter area(s).

Functional Responsibility: Analyzes user needs and performs research and functional analysis on a variety of projects at a highly technical level; may have supervisory responsibility; serves as technical advisor to clients in assigned subject areas; recommends functional changes, and identifies areas for further investigation; generates recommendations in the form of technical briefings, reports, and other major documents provided to senior level client personnel; serves as primary client liaison and coordinates with sub-contractors, government personnel, and technical experts; serves as technical team or task lead.

#### **ANT-067 Data Management Specialist**

Minimum/General Experience: Must have at least six years' experience, of which at least three years must be specialized. Specialized experience includes: demonstrated experience using current DBMS technologies, application design utilizing database management systems and experience with DBMS internals. General experience includes increasing responsibilities in DBMS systems analysis and programming. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Provides highly technical expertise in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications.

#### **ANT-068 Data Administrator**

Minimum/General Experience: Must have at least six years' of general experience in systems analysis or programming including four years of specialized experience in DBMS.

Functional Responsibility: Provides highly technical expertise and guidance in the design,

implementation, operation and maintenance of database management systems (DBMS). Evaluates and recommends available DBMS products after matching requirements with system capabilities. Determines file organization, indexing methods, and security procedures for specific applications. Controls the design and use of databases. Controls the global view of databases, controls the access to the databases, assures the safekeeping of the databases (from accidental or intentional damage or loss), and monitors the use of databases. Must be capable of defining all required database administration policies, procedures, standards, and guidelines. Is an authority on the design of databases and the use of database management systems. Evaluates and recommends available DBMS products after matching requirements with system capabilities. Prepares and delivers presentations on DBMS concepts.

#### **ANT-069 Data Manager**

Minimum/General Experience: Must have at least seven years' experience, of which at least five must be specialized. Specialized experience includes: demonstrated experience using current DBMS technologies, application design utilizing various database management systems and experience with DBMS internals. General experience includes increasing responsibilities in DBMS systems analysis and programming. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Manages the development of database projects. Plans and budgets staff and database resources. When necessary, reallocates resources to maximize benefits. Prepares and delivers presentations on Database Management Systems (DBMS) concepts. Provides daily supervision and direction to support staff.

#### **ANT-070 Computer Operations Manager**

Minimum/General Experience: Must have at least six years' experience, of which at least three years are specialized. Specialized experience includes: supervision and operations experience on a large-scale computer system, knowledge of hardware, software and operating systems. General experience includes operations experience on a large-scale computer system.

Functional Responsibility: Manages the work of computer operations personnel; identifies processing requirements and schedules job streams for computer runs; responsible for security and routing of input and output data, problem resolution and restart/recovery, interpreting technical documentation standards and preparation of documentation according to standards; interfaces with client and/or other government personnel; determines appropriate course of action in case of

malfunction and confers with and directs staff as warranted.

#### **ANT-071 SR Computer Operations Manager**

Minimum/General Experience: Must have at least eight years' experience, of which at least four years are specialized. Specialized experience includes: supervision and operations experience on a large-scale computer system, knowledge of hardware, software and operating systems. General experience includes operations experience on a large-scale computer system.

Functional Responsibility: Manages and directs the operations and support of the computer systems and peripheral equipment in large scale or multi-shift operations; supervises and directs the work of computer operations personnel; identifies processing requirements and schedules job streams for computer runs; responsible for the security and routing of input and output data, problem isolation and restart/recovery, interpreting technical documentation standards and preparation of documentation according to standards, and interfacing with client and/or government personnel; determines appropriate course of action in case of malfunction and confers with and directs staff as warranted.

#### **ANT-072 System Administrator/Operator**

Minimum/General Experience: Must have at least four years' experience, of which at least two years are specialized experience in administrating UNIX or open systems-compliant systems.

Functional Responsibility: Designs, installs, modifies and maintains local area networks (LANs). Responsible for troubleshooting and making necessary adjustments in network operating system, software and hardware. Works with other staff to design, develop, install, test, debug, modify and maintain distributed processing databases on the LAN.

#### **ANT-073 JR Computer Operator**

Minimum/General Experience: Requires no experience or up to three years' of related data processing experience.

Functional Responsibility: Performs duties to operate computer and peripheral equipment such as printers, tape and disk drives; sets up, monitors, and controls computer and peripheral equipment; maintains records regarding output units and supply inventories; sets up printers for routine print jobs; assists in performing back-ups; routes error messages to appropriate personnel.

#### **ANT-074 Computer Operator**

Minimum/General Experience: Must have at least

three years' experience of which at least one year must be specialized to include supervisory computer operator experience.

Functional Responsibility: Performs duties to operate computer consoles and peripheral equipment such as printers, tape and disk drives IAW site-specific operating procedures; maintains records regarding output units and supply inventories; sets up printers for routine print jobs; assists in performing back-ups and routes error messages to appropriate personnel. May supervise other Computer Operators.

#### **ANT-075 Reserved**

#### **ANT-076 Communications Engineer**

Minimum/General Experience: Must have at least six years of general experience with telecommunications systems including three years of specialized experience.

Functional Responsibility: Provides technical support for telecommunications activities including planning, designing, installing, and maintaining large telecommunications networks. Develops, operates, and maintains voice, video, and/or data communications systems. Applies telecommunications engineering principles and theory to propose design and configuration alternatives. Evaluates existing communications systems to identify deficiencies and performance improvements. Consults with user personnel to ensure that problems have been properly identified and that the solution will meet the requirements. Analyzes system performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols. Performs system analyses and feasibility studies concerning communications and communication networks. Prepares studies and gives presentations on communications concepts. Provides technical guidance to other personnel concerning data communications requirements. Participates in preparing specifications for acquiring commercially available data communications networks.

#### **ANT-077 SR Communications Engineer**

Minimum/General Experience: Must have at least ten years of general experience with telecommunications systems including four years of specialized experience.

Functional Responsibility: Provides technical direction for telecommunications activities including planning, designing, installing, and maintaining large telecommunications networks. Develops, operates, and maintains voice, video, and/or data communications systems. Applies telecommunications engineering principles and theory to propose design and configuration alternatives. Evaluates existing communications systems to identify deficiencies and performance improvements. Consults with user personnel to ensure that problems have been properly

identified and that the solution will meet the requirements. Analyzes system performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols. Performs system analyses and feasibility studies concerning communications and communication networks. Prepares studies and gives presentations on communications concepts. Provides technical guidance to other personnel concerning data communications requirements. Participates in preparing functional specifications for acquiring commercially available data communications networks.

#### **ANT-078 JR Network Engineer**

Minimum/General Experience: This position requires no experience or up to six years' related network design/administration experience. Also requires knowledge of the principles, methods, and techniques used in network administration and engineering plus knowledge of and ability to use relevant hardware, software and other equipment. Certification in specific applications may be required, depending on job assignment.

Functional Responsibility: Performs basic engineering work concerned with the analysis, planning, designing, evaluating, selecting, and upgrading of network systems; performs various tests and documents results; administers and maintains local and wide area networks; provides technical support and troubleshooting to users; configures systems to user environments; assists in telecommunications activities including planning, designing, installing, and maintaining large telecommunications networks; assists in the maintenance and operation of voice, video, and data communications systems; supports the acquisition of hardware and software as well as subcontractor services as needed.

#### **ANT-079 Network Engineer**

Minimum/General Experience: Must have at least two years' related network design/administration experience. Also requires knowledge of the principles, methods, and techniques used in network administration and engineering plus knowledge of and ability to use relevant hardware, software and other equipment. Certification in specific applications may be required, depending on job assignment

Functional Responsibility: Analyzes local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices; resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like; configures systems to user requirements; supports the acquisition of hardware and software as well as subcontractor services as needed; performs various tests and

documents results; administers and maintains local and wide area networks; provides technical support and troubleshooting to users; plans network layout design; may administer network security.

#### **ANT-080 Staff Network Engineer**

Minimum/General Experience: Must have at least two years' related network design/administration experience. Also requires knowledge of the principles, methods, and techniques used in network administration and engineering plus knowledge of and ability to use relevant hardware, software and other equipment. Certification in specific applications may be required, depending on job assignment

Functional Responsibility: Analyzes local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices; resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like; configures systems to user requirements; supports the acquisition of hardware and software as well as subcontractor services as needed; performs various tests and documents results; administers and maintains local and wide area networks; provides technical support and troubleshooting to users; plans network layout design; may administer network security; may perform database administration; may provide guidance and training to lower level personnel and serve as technical team or task lead.

#### **ANT-081 SR Network Engineer**

Minimum/General Experience: Must have at least eight years' related network design/administration experience. Also must have advanced knowledge of the principles, methods, and techniques used in network administration and engineering plus advanced knowledge of and ability to use relevant hardware, software and other equipment is required.

Functional Responsibility: Analyzes local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices; resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like; configures systems to user requirements; supports the acquisition of hardware and software as well as subcontractor services as needed; performs various tests and documents results; administers and maintains local and wide area networks; provides technical support and troubleshooting to users; plans network layout design; may administer network security; may perform database administration; may supervise and direct the work of

lower level personnel; may serve as technical team or task lead.

#### **ANT-082 Principal Network Engineer**

Minimum/General Experience: Must have at least ten or more years' related network design/administration experience. Expert knowledge of the principles, methods, and techniques used in network administration and engineering plus expert knowledge of and ability to use relevant hardware, software and other equipment is required.

Functional Responsibility: Provides expert level analysis of local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices; resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like; configures systems to user requirements; supports the acquisition of hardware and software as well as subcontractor services as needed; directs various testing and the documentation of results; plans network layout design; may administer network security; may perform database administration; may supervise and direct the work of lower level personnel; serves as technical team or task lead.

#### **ANT-083 Network Administrator**

Minimum/General Experience: Requires at least seven years' experience. Also requires knowledge of the principles, methods, and techniques used in network troubleshooting and support as well as knowledge of operating systems and applications and network management. Must have working knowledge of current technologies and products for Web services and security.

Functional Responsibility: Supports, installs, maintains, troubleshoots, and coordinates the usage of local and wide area networks (LAN and WAN), electronic mail, telecommunications, and PC based systems and related software; evaluates hardware and software, including peripheral, output, and telecommunications equipment; sets up and administers security procedures; troubleshoots problems; recommends and implements LAN policies and procedures and ensures adherence to security procedures; trains users on LAN operations and procedures.

#### **ANT-084 SR Network Administrator**

Minimum/General Experience: Requires eight or more years' experience. Also requires knowledge of the principles, methods, and techniques used in network troubleshooting and support, operating systems and applications and network management. Must have working knowledge of current technologies and products for Web services and security.

Functional Responsibility: Responsible for the planning, design, acquisition, installation, and maintenance of LAN and WAN, electronic mail, telecommunications, and PC based systems and related software; evaluates hardware and software, including peripheral, output, and telecommunications equipment; sets up and administers security procedures; troubleshoots problems; establishes and implements LAN policies and their conformance; coordinates activities of LAN support personnel, providing guidance on common networking issues; assesses vendor products; manages network performance, troubleshoots problems, and maintains network security.

#### **ANT-085 Network/Computer Support Technician**

Minimum/General Experience: Must have two years' experience in computer/network operations, equipment/network maintenance, and configuration upgrading or specialized workstation operation activities.

Functional Responsibility: Responsible for information systems and network operations, network management and any ancillary IT support functions.

#### **ANT-086 SR Network/Computer Support Technician**

Minimum/General Experience: Must have three years' directly related experience in computer/network operations. Also requires some knowledge of the following: principles, methods, and techniques used in network troubleshooting and support, modems, data scopes, patch panels, concentrators, associated terminals, and network management software, and Desk Top Operating Systems and Applications. May require certification of a specific application, depending on job assignment.

Functional Responsibility: Responsible for information systems and network operations, network management and any ancillary IT support functions--assists with the installation and configuration of computer hardware; provides end-user software troubleshooting and support; provides network troubleshooting and support; diagnoses hardware, software and operator problems and corrects them as instructed; participates in the development of IT infrastructure processes; may provide end-user training.

#### **ANT-087 Reserved**

#### **ANT-088 Network/Computer Support Specialist**

Minimum/General Experience: Must have at least three years directly related experience in network support. Requires advanced knowledge of the following: principles, methods, and techniques used in network troubleshooting and support; modems, data scopes, patch panels, concentrators, associated terminals, and network management software; Desk Top Operating

Systems and Applications. Certification in one or more specific application(s) may be required, depending on job assignment.

Functional Responsibility Installs, configures, and upgrades computer hardware; provides end-user software troubleshooting and support; provides network troubleshooting and support; diagnoses hardware, software and operator problems and corrects them; analyzes IT infrastructure processes and makes recommendations for improvement; involved in IT infrastructure planning; recommends Business Process improvements; leads deployment activities; may provide end-user training; involved in the development of larger Business Applications and Exchange, Web Applications, and Virus Software implementation; may supervise Network/Computer Support Technicians.

**ANT-089 Computer System/Network Integration Engineer**

Minimum/General Experience: Received certification level training in proprietary product network operating system or integration tools and at least one year experience in computer system/network engineering and/or technical subject specialization, or; 4 or more years experience in computer system/network engineer and/or technical subject specialization. Two more years experience within a specific field of technology related to computer systems integration/network integration administration or security and/or a specific technical subject specialization.

Functional Responsibility: Performs system and network analysis, design and administration. Designs computer and communications architectures, provides timely technical support, and designs hardware/software solutions for communications architectures.

**ANT-090 Reserved**

**ANT-091 Telecommunications Analyst**

Minimum/General Experience: Most have at least one year directly related experience in telecommunications systems design and support. Must also have knowledge of the fundamental concepts used in telecommunications systems administration and support as well as relevant hardware and software systems.

Functional Responsibility: Evaluates, designs, and maintains existing and proposed data telecommunications systems; analyzes the telecommunications needs of the user and recommends solutions; designs, develops, and tests telecommunications software solutions; prepares detailed specifications and flow charts for implementation of new internal programs or modification to vendor software; coordinates installation of equipment; monitors the operations of telecommunications systems and services of vendors;

provides end user training of telecommunications features and functionality.

**ANT-092 SR Telecommunications Analyst**

Minimum/General Experience: Most have at least three years' directly related experience in telecommunications systems design and support. Must also have advanced knowledge of the fundamental concepts used in telecommunications systems administration and support as well as relevant hardware and software systems.

Functional Responsibility: Evaluates, designs, and maintains existing or proposed telecommunications systems; analyzes the telecommunications needs of the user and recommends solutions; designs, develops, and tests telecommunications software solutions; prepares detailed specifications and flow charts for implementation of new internal programs or modification to vendor software; coordinates installation of equipment; monitors the operations of telecommunications systems and services of vendors; provides end user training of telecommunications features and functionality; may provide guidance and technical training to lower level analysts.

**ANT-093 Communications Network Manager**

Minimum/General Experience: Must have at least six years' experience, of which at least three years are specialized. Specialized experience includes: supervising the operation and maintenance of communications network systems. General experience includes all aspects of communications networks.

Functional Responsibility: Schedules conversions and cutovers. Oversees network control center. Supervises maintenance of systems. Coordinates with all responsible users and sites. Supervises staff.

- ANT-094 Reserved**
- ANT-095 Reserved**
- ANT-096 Reserved**

**ANT-097 JR Help Desk Technician**

Minimum/General Experience: Requires no experience or up to one year directly related experience in help desk or network support. Also requires basic knowledge of the principles, methods, and techniques used in network troubleshooting and support as well as modems, data scopes, patch panels, concentrators, associated terminals, and network management software. Knowledge of or certification in one or more specific applications or processes may be required, depending on job assignment.

Functional Responsibility: Assists with the installation, configuration, and upgrade of computer hardware and software; provides end-user software troubleshooting and support; applies basic diagnostic techniques to

identify problems, investigate causes, and recommend solutions; provides network troubleshooting and support; assists in the administration of e-mail systems; provides phone and help-desk support for local and off-site users.

#### **ANT-098 Help Desk Technician**

Minimum/General Experience: Must have at least one year directly related experience in help desk or network support. Also requires knowledge of the principles, methods, and techniques used in network troubleshooting and support as well as modems, data scopes, patch panels, concentrators, associated terminals, and network management software. Knowledge of or certification in one or more specific applications or processes may be required, depending on job assignment.

Functional Responsibility: Participates in the installation, configuration, and upgrade of computer hardware and software; provides end-user software troubleshooting and support; applies diagnostic techniques to identify problems, investigate causes, and recommend solutions; provides network troubleshooting and support; assists in the administration of e-mail systems; provides phone and help-desk support for local and off-site users.

#### **ANT-099 SR Help Desk Technician**

Minimum/General Experience: Must have at least three years' directly related experience in help desk or network support. Also requires thorough knowledge of the principles, methods, and techniques used in network troubleshooting and support as well as modems, data scopes, patch panels, concentrators, associated terminals, and network management software. Knowledge of or certification in one or more specific applications or processes may be required, depending on job assignment.

Functional Responsibility: Performs installation, configuration, and upgrade of computer hardware and software; provides end-user software troubleshooting and support; applies advanced diagnostic techniques to identify problems, investigate causes, and recommend solutions; provides network troubleshooting and support; may participate in the administration and design of websites; participates in the administration of e-mail systems; provides phone and help-desk support for local and off-site users; assists lower level technicians with complex problems.

#### **ANT-100 Electronics/Electrical Technician**

Minimum/General Experience: Requires a minimum of three years' practical experience in the field of electronic repair and installation and experience in module assembly repair and test. Requires in depth knowledge of the principles of electricity, electronics and shop practices and techniques including electrical and electronic circuitry.

Functional Responsibility: Responsible for conducting design, installation, check-out, testing, troubleshooting and repair of electronic equipment. Responsible for the installation, alteration and repair of electrical systems and components. Installations must be accomplished to comply with applicable codes and technical specifications.

#### **ANT-101 Reserved**

#### **ANT-102 Hardware Specialist**

Minimum/General Experience: Must have at least five years' progressive experience in systems analysis with three years' intensive and progressive specific experience in the specialty.

Functional Responsibility: Determines feasible hardware alternatives in client server environments. Reviews computer systems in terms of capabilities and makes recommendations for improved utilization. Prepares or directs preparation of reports concerning hardware. Prepares or participates in preparing functional requirements and specifications for hardware acquisitions.

#### **ANT-103 Quality Assurance/IV&V Analyst**

Minimum/General Experience: Must have at least two years' related experience in quality assurance and/or software engineering. Must also have experience with Independent Validation and Verification (IV&V) and system configuration.

Functional Responsibility: Assists in the review and evaluation of software products and systems to ensure adherence to customer quality standards; develops software/systems testing procedures and conducts tests; analyzes and documents IV&V issues; presents IV&V results; works under general supervision.

#### **ANT-104 Quality Assurance/IV&V Specialist**

Minimum/General Experience: Must have at least four years' experience of which two years must be specialized. Specialized experience includes: Configuration Management, IV&V, software testing and integration, software metrics and their application to software quality assessment. General experience includes increasing responsibilities in quality assurance, quality control and IV&V.

Functional Responsibility: Assists in the evaluation of software and associated documentation. Participates in formal and informal reviews to determine quality; presents IV&V results and troubleshoots technical problems; makes recommendations to improve overall quality.

**ANT-105 Quality Assurance/IV&V Manager**

Minimum/General Experience: Must have at least seven years of engineering and/or system analysis and programming experience, including four years of quality assurance, IV&V or system configuration experience.

Functional Responsibility: Organizes and maintains all quality assurance and IV&V documentation required. Responsible for ensuring compliance with recognized standards and practices. Reviews all documentation for completeness, accuracy, and correctness. Supports the test and integration personnel as a witness to testing requirements; presents IV&V results and troubleshoots technical problems; makes recommendations to improve overall quality. Certifies that deliverables have met all quality requirements.

**ANT-106 Logistics Specialist**

Minimum/General Experience: Requires three years' experience in the electronics field. Specific experience with electronic hardware is required. Experience with CAD drawing practices and database software is required.

Functional Responsibility: Identifies Configuration Items (CI) and establishes and maintains a CI baseline inventory database. Conducts periodic audits of DI's to monitor the status of the inventory. Originates and maintains Configuration Management (CM) databases, files and drawings. Maintains spare parts, equipment and consumable inventory databases. Issues supplies and equipment. Maintains statistical analysis of usage.

**ANT-107 Reserved****ANT-108 Configuration Management Specialist**

Minimum/General Experience: Must have five years of engineering and/or system analysis and programming experience, including two years of configuration management experience.

Functional Responsibility: Responsible for configuration management activities including product identification, change control, status accounting, operation of the program support library, and development and monitoring of equipment/system acceptance plans. Evaluates and selects configuration management tools and standards. Coordinates with users and systems development personnel on releases of both system-level software and applications software. Verifies the completeness and accuracy of release libraries before implementation and ensures that correct versions of programs are included in specified releases. Prepares configuration management plans and procedures. Responsible for configuration management of requirements, design, and code. Operates and manages program support library. Monitors library

structure and procedures to assure system integrity, including procedures for collection, release, production, test, and emergency libraries and the movement/migration of components between libraries. Monitors end-item acceptance plans. Will supervise lower level personnel. Must have demonstrated capability for oral and written communications.

**ANT-109 SR Configuration Management Specialist**

Minimum/General Experience: Must have at least seven years' directly related experience in configuration management and support. Must also have advanced knowledge of the principles, methods, and techniques used in configuration management and support as well as knowledge and familiarity with Configuration Management software support packages commonly utilized in project management. Must be able to supervise and direct the work of others and have the ability to serve as a technical team or task lead.

Functional Responsibility: Conducts periodic site inventory in order to create and maintain inventories of equipment, software, and/or systems; prepares, maintains and inventories associated technical drawings for assigned projects; researches data, and creates and maintains inventory and other databases for assigned projects; prepares configuration change requests and verifies, tracks, and documents configuration changes; performs logistic-related tasks like shipping/receiving, tracking, and disposal of equipment, software, and/or systems; coordinates equipment/software utilization among individual users; provides documentation support for assigned projects; performs quality assurance checks on drawings prepared by other configuration management specialists; may serve as a team or task lead; may supervise and direct the work of other configuration management specialists; provides training on configuration management processes, software, and/or systems.

**ANT-110 Reserved****ANT-111 Training Specialist/Instructor**

Minimum/General Experience: Must have four years' experience in information systems development, training, or related fields. Must have two years specialized experience. Specialized experience includes: experience in developing and providing IT and end-user training on computer hardware and application software. General experience includes information systems development, training, or related fields. Demonstrated ability to communicate orally and in writing.

Functional Responsibility: Conducts the research necessary to develop and revise training courses. Develops and revises these courses and prepares appropriate training catalogs. Prepares all

instructor materials (course outline, background material, and training aids). Prepares all student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops and seminars.

#### **ANT-112 SR Training Specialist/Instructor**

Minimum/General Experience: Must have six years' experience in information systems development, training, or related fields, with at least three years experience developing and providing IT and end-user training on computer hardware and application software.

Functional Responsibility: Conducts the research necessary to develop and revise training courses and prepares appropriate training catalogs. Prepares all instructor materials (course outline, background material, and training aids). Prepares all student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops, and seminars. Provides daily supervision and direction to staff.

#### **ANT-113 Reserved**

#### **ANT-114 Training Specialist**

Minimum/General Experience: Requires at least three years' directly related experience in the design and development of training programs. Also requires knowledge of the principles, methods, and techniques used in the design and development of computer-based training programs as well as relevant hardware/software and computer equipment as required. Must be able to present training programs to users and serve as a technical team lead.

Functional Responsibility: Designs training objectives; develops computer-based training programs for assigned software; designs courseware and structures training classes; creates lesson text; provides documentation for software training; designs program authoring systems; creates final version of training programs; presents training programs to users; designs program flowcharts; may serve as a team lead.

#### **ANT-115 SR Training Specialist**

Minimum/General Experience: Requires at least seven years' directly related experience in the design, development, testing, and implementation of computer-based training programs. Also requires thorough knowledge of the principles, methods, and techniques used in the design, development, testing, and implementation of computer-based training programs; knowledge of relevant hardware/software and computer equipment as required. Must be able to present training

programs and evaluate effectiveness of training and serve as a team or task lead.

Functional Responsibility: Defines training requirements and analyzes system software changes; develops computer-based training objectives and methodologies; coordinates with subject matter experts to design training strategy; designs courseware, including structuring training classes; creates lesson text; provides documentation for software training; tests training programs and edits for effectiveness, creates final version; designs program authoring systems; presents training programs to users, validates and evaluates training effectiveness; designs program flowcharts; may develop multi-media training as required; conducts research into new training, educational, and multimedia technologies; may serve as a team or task lead.

#### **ANT-116 Principal Training Specialist**

Minimum/General Experience: Requires at least ten years' related experience in instructional development. Also requires advanced knowledge of the principles, methods, and techniques used in technology-based training as well as the use and application of off-the-shelf tools and associated equipment and systems.

Functional Responsibility: Designs and develops instructional approaches and/or strategies to meet training requirements; conducts analysis of training requirements and media requirements; develops appropriate training objectives and test methods and designs instructionally valid training materials; ensures integrity of task analysis, training requirements, training hierarchies, instructional materials, and evaluation plans; designs and develops computer-based training, web-based training, electronic performance support systems and other technology-based learning solutions; develops flow diagrams and story boards; designs instructionally sound lessons in a variety of delivery media; interacts with customer and subject matter experts to ensure technical accuracy of instructional content. Also provides guidance and work leadership to lower-level personnel and may serve as technical team or task lead.

#### **ANT-117 Reserved**

#### **ANT-118 Reserved**

#### **ANT-119 Testing and Validation Specialist**

Minimum/General Experience: Requires no experience or up to three years' related experience in educational psychology, industrial/organizational psychology, testing, psychometrics, or instructional media/technology. Also requires knowledge of the principles, methods, and techniques used in analysis and assessment as well as the use and application of related off-the-shelf tools.

Functional Responsibility: Designs and develops assessment instruments and/or strategies to meet

training requirements; conducts analysis of training requirements (needs, job, task analysis); interviews subject matter experts or incumbents to collect information; develops relevant and measurable assessment criteria, standards, and methodologies; designs reliable and valid assessment materials; gathers data and compiles information into documents related to assessment.

**ANT-120 Reserved**

**ANT-121 Principal Testing and Validation Specialist**

Minimum/General Experience: Requires at least five years' related experience in educational psychology, industrial/organizational psychology, testing, psychometrics, or instructional media/technology. Also requires advanced knowledge of the principles, methods, and techniques used in analysis and assessment as well as the use and application of related off-the-shelf tools. Must have the ability to provide work leadership and supervision to assigned staff.

Functional Responsibility: Designs and develops assessment instruments and/or strategies to meet training requirements; conducts analysis of training requirements (needs, job, task analysis); interviews subject matter experts or incumbents to collect information; develops relevant and measurable assessment criteria, standards, and methodologies; designs reliable and valid assessment materials; prepares reports and technical documentation related to assessment; works on complex analysis or test development projects. Serves as a technical team/task lead and may have supervisory responsibility.

**ANT-122 Reserved**

**ANT-123 Instructional System Designer**

Minimum/General Experience: Requires at least two years' related experience in instructional development. Also requires knowledge of the principles, methods, and techniques used in technology-based training as well as the use and application of off-the-shelf tools and associated equipment and systems.

Functional Responsibility: Designs and develops instructional approaches and/or strategies to meet training requirements; conducts analysis of training requirements and media requirements; develops appropriate training objectives and test methods and designs instructionally valid training materials; ensures integrity of task analysis, training requirements, training hierarchies, instructional materials, and evaluation plans; designs and develops computer based training, web-based training, electronic performance support systems and other technology-based learning solutions; develops flow diagrams and story boards; designs instructionally sound lessons in a variety of delivery media; interacts

with customer and subject matter experts to ensure technical accuracy of instructional content.

**ANT-124 SR Instructional System Designer**

Minimum/General Experience: Requires at least five years' related experience in instructional development as well as thorough knowledge of the principles, methods, and techniques used in technology-based training and use and application of off-the-shelf tools and associated equipment and systems.

Functional Responsibility: Designs and develops instructional approaches and/or strategies to meet training requirements; conducts analysis of training requirements and media requirements; develops appropriate training objectives and test methods and designs instructionally valid training materials; ensures integrity of task analysis, training requirements, training hierarchies, instructional materials, and evaluation plans; designs and develops computer based training, web-based training, electronic performance support systems and other technology-based learning solutions; develops flow diagrams and story boards; designs instructionally sound lessons in a variety of delivery media; interacts with customer and subject matter experts to ensure technical accuracy of instructional content; may provide guidance and work leadership to lower-level personnel.

**ANT-125 Reserved**

**ANT-126 JR Graphics Design Specialist**

Minimum/General Experience: Must have at least three years' experience of which at least one year is specialized to include developing graphics/artistic presentations for publications and documents (preferably technical documentation). Use of commercial word processing and graphics software programs. Experience with desktop publishing systems is desirable. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Shall support the development of all contract deliverables and reports by developing and updating graphics presentations to improve the quality and enhance the usability of these documents. Shall be responsible for integrating the graphics generated with automated tools and the deliverable documents.

**ANT-127 Graphics Design Specialist**

Minimum/General Experience: Requires at least three years' directly related experience in graphics design. Also requires knowledge of the principles, methods, and techniques used in the preparation of graphics materials and associated software and equipment. Requires experience using graphics software programs.

**Functional Responsibility:** Participates in the design, layout, and production of brochures, pamphlets, briefings, displays, and other materials; makes recommendations on methods and materials; assist in the creation of overhead presentations, including graphics, charts, photos, and clip-art; creates displays to represent certain accomplishments to be highlighted; creates other graphic materials at client request, including scanned documents, photography, or signs; determines style, size and arrangement of type and illustrations; may participate in the design and creation of videos using computer and video equipment and cameras; may work from rough sketches, engineering drawings or other documentation; may exercise creative judgment by translating needs into graphics capabilities; uses various computer graphics software programs.

#### **ANT-128 Staff Graphics Design Specialist**

**Minimum/General Experience:** Requires at least five years' directly related experience in graphics design. Also requires knowledge of the principles, methods, and techniques used in the preparation of graphics material and associated software and equipment. Requires experience using graphics software programs.

**Functional Responsibility:** Performs a wide variety of graphics/illustration activities to produce brochures, briefings, displays, and other materials; involved in all aspects of graphics/illustration projects from conceptualization and development to final presentation; may act as a technical consultant on matters of design, composition and methods of presenting technical data; uses a broad range of graphics production software and equipment; exercises creative judgment and originality by translating needs into graphics capabilities; may participate in website design.

#### **ANT-129 SR Graphics Design Specialist**

**Minimum/General Experience:** Requires at least eight years' directly related experience in graphics design. Knowledge of the principles, methods, and techniques used in the preparation of graphics materials as well as knowledge of the associated software and equipment and in-depth knowledge of graphics software programs.

**Functional Responsibility:** Performs high-level computer graphic design activities to produce brochures, briefings, displays, and other materials; involved in all aspects of graphics/illustration projects from conceptualization and development to final presentation; may act as a technical consultant on matters of design, composition and methods of presenting technical data; uses a broad range of graphics production software and equipment; exercises creative judgment and originality by translating needs into graphics capabilities; may participate in website design; provides technical training and guidance to lower-level graphics personnel and may act as a team or task lead.

#### **ANT-130 Principal Graphics Design Specialist**

**Minimum/General Experience:** Requires at least nine years' directly related experience in graphics design. Also requires knowledge of the principles, methods, and techniques used in the preparation of graphics materials and associated software and equipment and an in-depth knowledge of graphics software programs. Requires the ability to supervise and direct the work of others.

**Functional Responsibility:** Provides full supervision and training for graphic design personnel, directing the production of graphics projects from design through final presentation; acts as a technical consultant on matters of design, composition and methods of presenting technical data; uses a broad range of graphics production software and equipment; exercises creative judgment and originality by translating needs into graphics capabilities; may participate in website design; acts as a team or task lead.

#### **ANT-131 Videographer/Editor**

**Minimum/General Experience:** Requires no experience or up to three years' directly related experience in all phases of video production.

**Functional Responsibility:** Sets up and operates video cameras and related audio, lighting and recording equipment used in instructional systems and incorporating interactive video disk technology; performs off-line video editing; advises producer/director regarding shot composition and assists in post production shot selection; accomplishes off-line video narrative, editing, special effects and animation along with quality control of off-line video tape; may develop computer graphics; functions as an on-site team participant under the direction of the producer/director.

#### **ANT-132 Reserved**

#### **ANT-133 Contract Administrator**

**Minimum/General Experience:** Requires at least two years' related experience in contracts administration. Also requires thorough knowledge of the practices, procedures, and processes of contracts administration as well as relevant laws, regulations, terms, conditions, and policies governing assigned contracts.

**Functional Responsibility:** Performs all duties of contract administration, including negotiation, correspondence, documentation, certification, financial reporting, and product delivery; implements subcontract administration procedures; negotiates contract terms from proposal stage to project close-out in accordance with relevant regulations; prepares and submits proposals including pricing and scheduling details and coordination of requirements; prepares consulting agreements; modifies contract schedules and participates in vendor reseller agreement negotiations when required; ensures timely

processing of technical reports and deliverables; collects data for clients as requested

**ANT-134 SR Contract Administrator**

Minimum/General Experience: Requires at least five years' related experience in contracts administration. Also requires advanced knowledge of the practices, procedures, and processes of contracts administration as well as thorough knowledge of relevant laws, regulations, terms, conditions, and policies governing assigned contracts including Federal Acquisition Regulations (FAR) and labor law.

Functional Responsibility: Performs all duties of contract administration, including negotiation, correspondence, documentation, certification, financial reporting, and product delivery for complex contracts; implements subcontract administration procedures; negotiates contract terms from proposal stage to project close-out in accordance with relevant regulations; coordinates approval of negotiations, contracts, and subcontracts with appropriate management staff; provides advice and interpretation of contract requirements; reviews solicitation requests to ensure compliance with terms and conditions; prepares and submits cost proposals including pricing and scheduling details, coordination of requirements, and cost proposal risk assessment; prepares responses to certifications and representations; prepares consulting agreements; modifies contract schedules and participates in vendor reseller agreement negotiations when required; ensures timely processing of technical reports and deliverables; coordinates with program managers to ensure contract requirements are fulfilled; collects data for clients as requested; may provide work leadership to lower level contracts personnel.

**ANT-135 Reserved**

**ANT-136 JR Program Management Specialist**

Minimum/General Experience: Requires no experience or up to two years' related administrative experience. Requires demonstrated effective organizational skills and knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Responsible for management, performance and completion of routine projects associated with a contract program; collects and evaluates data for monitoring development and life-cycle requirements of various programs and systems; creates program cost estimates to support program cost/schedule/technique audits or to generate budget submissions; uses computer programs and models to track program data; maintains contact with customer to ensure conformance to customer requirements.

**ANT-137 Program Management Specialist**

Minimum/General Experience: Requires at least three years' related administrative experience. Also requires demonstrated effective organizational skills and knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Responsible for management, performance and completion of projects associated with a contract program; collects and evaluates data for monitoring development and life-cycle requirements of various programs and systems; creates program cost estimates to support program cost/schedule/technique audits or to generate budget submissions; manages program staff; prepares management plans, budgets and schedules; uses and develops CPM and PERT evaluation techniques; uses computer programs and models to track program data; maintains contact with customer to ensure conformance to customer requirements.

**ANT-138 SR Program Management Specialist**

Minimum/General Experience: Requires at least six years' related administrative experience. Also requires demonstrated effective organizational skills and knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Responsible for management, performance and completion of significant projects associated with a contract program; collects and evaluates data for monitoring development and life-cycle requirements of various programs and systems; creates program cost estimates to support program cost/schedule/technique audits or to generate budget submissions; manages and coordinates projects of considerable scope and magnitude; manages program staff; oversees the development of design concepts and test criteria; prepares management plans, budgets and schedules; uses and develops CPM and PERT evaluation techniques; uses computer programs and models to track program data; maintains contact with customer to ensure conformance to customer requirements.

**ANT-139 Principal Program Management Specialist**

Minimum/General Experience: Requires at least eight years' related administrative experience. Also requires demonstrated management and organizational skills and knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Responsible for management, performance and completion of major projects associated with a contract program; collects and evaluates data for monitoring development and life-cycle requirements of various programs and systems; creates program cost estimates to support program

cost/schedule/technique audits or to generate budget submissions; manages and directs, with full authority, all phases of a program from inception to completion; manages program staff; oversees the development of design concepts and test criteria; reviews project and program schedules and plans and reports on alternative courses of action and potential impacts; directs, prepares and coordinates proposal preparation, management plans, budgets and schedules; uses and develops CPM and PERT evaluation techniques; uses computer programs and models to track program data; maintains contact with customer to ensure conformance to customer requirements.

#### **ANT-140 JR Program Support Specialist**

Minimum/General Experience: Requires no experience or up to four years' related administrative experience. Demonstrated administrative and organizational skills. Also requires knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Provides program analytical support for the day-to-day operations as well as long range appraisal and decision processes; acquires, maintains, retrieves and analyzes technical and financial program data using various database programs; interprets, integrates and disseminates large volumes of technical data; assists in generating, processing and monitoring program requirements for activities and documents; coordinates and schedules meetings for management; assists with the preparation of monthly status reports of task accomplishments, financial data, and staffing reports.

#### **ANT-141 Program Support Specialist**

Minimum/General Experience: Requires at least five years' related administrative experience. Demonstrated administrative and organizational skills. Also requires knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Provides program analytical support for the day-to-day operations as well as long range appraisal and decision processes; acquires, maintains, retrieves and analyzes technical and financial program data using various database programs; applies program knowledge and experience to identify and meet current and future program requirements; interprets, integrates and disseminates large volumes of technical data; generates, processes and monitors program requirements for activities and documents; coordinates and schedules meetings for customers and management; prepares regular status reports of task accomplishments, financial data, and staffing reports; coordinates the preparation of presentation materials and documents.

#### **ANT-142 SR Program Support Specialist**

Minimum/General Experience: Requires at least seven years' related administrative experience. Demonstrated administrative and organizational skills. Also requires knowledge of word processing, spreadsheet, and/or other pertinent software applications.

Functional Responsibility: Provides program analytical support for the day-to-day operations as well as long range appraisal and decision processes; acquires, maintains, retrieves and analyzes technical and financial program data using various database programs; applies program knowledge and experience to identify and meet current and future program requirements; interprets, integrates and disseminates large volumes of technical data; generates, processes and monitors program requirements for activities and documents; acts as liaison between management and the customer; coordinates and schedules meetings for customers and management; prepares regular status reports of task accomplishments, financial data, and staffing reports; prepares presentation materials and documents; may provide work leadership to lower level specialists.

#### **ANT-143 JR Admin/Data Analyst**

Minimum/General Experience: Requires no experience or up to two years' related experience. Also requires knowledge of general administrative and organizational skills and use of associated office equipment.

Functional Responsibility: Responsible for input and verification of data; reviews source documents for accuracy of input data; reviews, follows up and resolves errors during processing cycle; maintains files; reviews and distributes reports.

#### **ANT-144 Admin/Data Analyst**

Minimum/General Experience: Requires at least two years' related experience. Also requires knowledge of general administrative and organizational skills and use of associated office equipment.

Functional Responsibility: Responsible for input and verification of data; reviews source documents for accuracy of input data; reviews, follows up and resolves errors during processing cycle; may be responsible for integrity of certain database information; investigates questionable data and takes corrective action when necessary; maintains files; generates reports and may analyze specific database information.

**ANT-145 Reserved**  
**ANT-146 Reserved**

**ANT-147 Documentation Specialist**

Minimum/General Experience: Must have two years' experience in composing and producing technical documentation or one year experience in composing and producing technical documentation plus a college degree.

Functional Responsibility: Composes and finalizes technical documentation including specifications, user manuals, etc. in the style, content and format required by the relevant standards using input received from technical personnel.

**ANT-148 SR Documentation Specialist**

Minimum/General Experience: Requires at least eight years' directly related experience in the research, preparation, and writing of technical and marketing materials. Also requires thorough knowledge of the principles and practices of technical research, writing, and editing as well as word-processing, desk-top publishing, and web applications and computer equipment.

Functional Responsibility: Collects and organizes information required for preparation of user's manuals, training materials, installation guides, and reports at a complex level; researches and learns the assigned system; interviews key personnel; writes materials; performs detailed edits of contract deliverables, proposals, brochures, press releases, and other materials to ensure technical accuracy, consistency, and adherence to specified content and format; participates in the writing, design, and development of marketing brochures, advertisements, news releases, feature articles, conference programs and proceedings, public relations announcements, newsletters, and other materials; designs, develops, produces, maintains, and manages client web sites as assigned; rewrites technical materials and coordinates with technical personnel to ensure accuracy; compiles and collects information for the preparation of technical proposals; Creates multi-media presentation materials, including slides; may participate in the coordination of and attend various conferences and meetings; may serve as a team lead.

**ANT-149 Technical Writer**

Minimum/General Experience: Must have three years' experience, of which at least one must be specialized. Specialized experience includes: demonstrated experience in editing documents, including technical documents. Must demonstrate the ability to work independently or under only general direction.

Functional Responsibility: Assist in collection and organizing information required for preparation of user manuals, training materials, installation guides, proposals, and reports. Edit functional descriptions, system specifications, user manuals, special reports, or

any other customer deliverables and documents. Assists in performing financial and administrative functions.

**ANT-150 Technical Editor**

Minimum/General Experience: Must have at least five years' directly related experience in the research and preparation of technical materials. Also requires knowledge of the principles and practices of technical research, writing, and editing, as well as word-processing and desktop publishing applications and computer equipment as required.

Functional Responsibility: Prepares and edits a wide variety of complex technical materials for publication, including user's manuals, training materials, installation guides, proposals, and reports; reviews, researches, and edits information for preparation of contract deliverables; provides support to the creation of proposals and multi-media presentation materials, including slides; responsible for the coordination of multiple aspects of document publication; participates in the design and development of marketing brochures, conference programs and proceedings, public relations announcements, and other materials when requested; may supervise and direct the work of word processing, graphics and/or technical writing staff; coordinates and attends various conferences and meetings; plans budgets, schedules and priority of work for publications projects.

<b>ANT-151</b>	<b>Reserved</b>
<b>ANT-152</b>	<b>Reserved</b>
<b>ANT-153</b>	<b>Reserved</b>
<b>ANT-154</b>	<b>Reserved</b>
<b>ANT-155</b>	<b>Reserved</b>

**ANT-156 Technical Typist**

Minimum/General Experience: Must have at least two years' experience in a technical typing position. At least one year's experience working as a technical typist preparing computer system documentation or documenting developed software requirements.

Functional Responsibility: Prepares draft and final form technical documents. Must be capable of typing at average or above average speed. Must be capable of typing technical narratives and data. Responsible for spelling, grammar, and proper format, and for proofreading finished documents. Must be capable of using various word processing equipment.

**ANT-157 Data Entry Clerk**

Minimum/General Experience: Must have at least one year's experience in data entry and verification. Typically required to work under close supervision and direction.

Functional Responsibility: Performs data entry via on-line data terminal, key-to-tape, key-to-disk, or similar devices. Verifies data entered, where applicable.

### Appendix 3

#### Service Rates Applicable for SIN 132-51, IT Professional Services

Cat #	GDIT IT Schedule Category Title	Option 2 - Year 1 1/15/08 - 1/14/09	Option 2 - Year 2 1/15/09 - 1/14/10	Option 2 - Year 3 1/15/10 - 1/14/11	Option 2 - Year 4 1/15/11 - 1/14/12	Option 2 - Year 5 1/15/12 - 1/14/13
ANT-001	Technical Expert 5	\$ 173.98	\$ 180.07	\$ 186.37	\$ 192.89	\$ 199.64
ANT-002	Technical Expert 4	\$ 236.48	\$ 244.76	\$ 253.33	\$ 262.20	\$ 271.38
ANT-003	Technical Expert 3	\$ 275.49	\$ 285.13	\$ 295.11	\$ 305.44	\$ 316.13
ANT-004	Technical Expert 2	\$ 337.12	\$ 348.92	\$ 361.13	\$ 373.77	\$ 386.85
ANT-005	Technical Expert 1	\$ 400.33	\$ 414.34	\$ 428.84	\$ 443.85	\$ 459.38
ANT-006	Project Manager/Task Lead	\$ 113.85	\$ 117.84	\$ 121.96	\$ 126.23	\$ 130.65
ANT-007	Program Manager	\$ 134.88	\$ 139.60	\$ 144.49	\$ 149.55	\$ 154.78
ANT-008	Sr. Program Manager	\$ 165.91	\$ 171.72	\$ 177.73	\$ 183.95	\$ 190.39
ANT-009	Proprietary Prod Application Developer	\$ 120.26	\$ 124.47	\$ 128.83	\$ 133.34	\$ 138.01
ANT-010	Proprietary Prod Application Designer	\$ 120.26	\$ 124.47	\$ 128.83	\$ 133.34	\$ 138.01
ANT-011	Proprietary Prod Database Admin	\$ 113.37	\$ 117.34	\$ 121.45	\$ 125.70	\$ 130.10
ANT-012	Proprietary Prod System Architect	\$ 119.09	\$ 123.26	\$ 127.57	\$ 132.03	\$ 136.65
ANT-013	Business Process Reengineering Anal	\$ 110.73	\$ 114.61	\$ 118.62	\$ 122.77	\$ 127.07
ANT-014	Reserved					
ANT-015	Scientist	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-016	Staff Scientist	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-017	Sr. Scientist	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-018	Principal Scientist	\$ 140.61	\$ 145.54	\$ 150.63	\$ 155.90	\$ 161.36
ANT-019	Sr. Principal Scientist	\$ 165.91	\$ 171.72	\$ 177.73	\$ 183.95	\$ 190.39
ANT-020	Reserved					
ANT-021	Reserved					
ANT-022	Reserved					
ANT-023	Jr. Systems Engineer	\$ 65.49	\$ 67.78	\$ 70.15	\$ 72.61	\$ 75.15
ANT-024	Systems Engineer	\$ 79.01	\$ 81.78	\$ 84.64	\$ 87.60	\$ 90.67
ANT-025	Staff Systems Engineer	\$ 94.80	\$ 98.12	\$ 101.55	\$ 105.10	\$ 108.78
ANT-026	Sr. Systems Engineer	\$ 101.85	\$ 105.42	\$ 109.11	\$ 112.93	\$ 116.88
ANT-027	Principal Systems Engineer	\$ 115.04	\$ 119.07	\$ 123.24	\$ 127.55	\$ 132.01
ANT-028	Sr. Principal Systems Engineer	\$ 130.28	\$ 134.84	\$ 139.56	\$ 144.44	\$ 149.50
ANT-029	Information Engineer	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-030	Sr. Information Engineer	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-031	Principal Information Engineer	\$ 140.61	\$ 145.54	\$ 150.63	\$ 155.90	\$ 161.36
ANT-032	Jr. Software Engineer	\$ 68.31	\$ 70.70	\$ 73.17	\$ 75.73	\$ 78.38
ANT-033	Software Engineer	\$ 79.37	\$ 82.14	\$ 85.01	\$ 87.99	\$ 91.07
ANT-034	Staff Software Engineer	\$ 100.00	\$ 103.50	\$ 107.12	\$ 110.87	\$ 114.75
ANT-035	Sr. Software Engineer	\$ 115.04	\$ 119.07	\$ 123.24	\$ 127.55	\$ 132.01
ANT-036	Principal Software Engineer	\$ 130.28	\$ 134.84	\$ 139.56	\$ 144.44	\$ 149.50
ANT-037	Software Architect	\$ 142.07	\$ 147.04	\$ 152.19	\$ 157.52	\$ 163.03
ANT-038	Computer Security Specialist	\$ 79.01	\$ 81.78	\$ 84.64	\$ 87.60	\$ 90.67
ANT-039	Sr. Computer Security Specialist	\$ 107.98	\$ 111.76	\$ 115.67	\$ 119.72	\$ 123.91
ANT-040	Jr. Database Architect	\$ 64.48	\$ 66.74	\$ 69.08	\$ 71.50	\$ 74.00

Cat #	GDIT IT Schedule Category Title	Option 2 - Year 1 1/15/08 - 1/14/09	Option 2 - Year 2 1/15/09 - 1/14/10	Option 2 - Year 3 1/15/10 - 1/14/11	Option 2 - Year 4 1/15/11 - 1/14/12	Option 2 - Year 5 1/15/12 - 1/14/13
ANT-041	Database Architect	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-042	Sr. Database Architect	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-043	Reserved					
ANT-044	Jr. Computer Programmer/Analyst	\$ 57.93	\$ 59.96	\$ 62.06	\$ 64.23	\$ 66.48
ANT-045	Computer Programmer/Analyst	\$ 63.20	\$ 65.42	\$ 67.71	\$ 70.08	\$ 72.53
ANT-046	Staff Computer Programmer/Analyst	\$ 89.91	\$ 93.06	\$ 96.32	\$ 99.69	\$ 103.18
ANT-047	Sr. Computer Programmer/Analyst	\$ 101.85	\$ 105.42	\$ 109.11	\$ 112.93	\$ 116.88
ANT-048	Principal Computer Programmer/Analyst	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-049	Computer Systems Programmer	\$ 82.96	\$ 85.87	\$ 88.88	\$ 91.99	\$ 95.21
ANT-050	Web Designer	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-051	Web Developer	\$ 92.30	\$ 95.53	\$ 98.87	\$ 102.33	\$ 105.91
ANT-052	Sr. Web Developer	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-053	Web Tech Administrator	\$ 87.84	\$ 90.91	\$ 94.09	\$ 97.38	\$ 100.79
ANT-054	Web Content Manager	\$ 70.91	\$ 73.39	\$ 75.96	\$ 78.62	\$ 81.37
ANT-055	Web Security Administrator	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-056	Jr. Computer Systems Analyst	\$ 62.42	\$ 64.60	\$ 66.86	\$ 69.20	\$ 71.62
ANT-057	Computer Systems Analyst	\$ 71.43	\$ 73.93	\$ 76.52	\$ 79.20	\$ 81.97
ANT-058	Staff Computer Systems Analyst	\$ 92.30	\$ 95.53	\$ 98.87	\$ 102.33	\$ 105.91
ANT-059	Sr. Computer Systems Analyst	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-060	Principal Computer Systems Analyst	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-061	Legacy Systems Analyst	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-062	Jr. Functional Analyst/Specialist	\$ 62.46	\$ 64.64	\$ 66.90	\$ 69.24	\$ 71.66
ANT-063	Functional Analyst/Specialist	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-064	Sr. Functional Analyst/Specialist	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-065	Principal Functional Analyst/Specialist	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-066	Sr. Principal Functional Analyst/Specialist	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-067	Data Management Specialist	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-068	Data Administrator	\$ 102.59	\$ 106.18	\$ 109.90	\$ 113.75	\$ 117.73
ANT-069	Data Manager	\$ 107.98	\$ 111.76	\$ 115.67	\$ 119.72	\$ 123.91
ANT-070	Computer Operations Manager	\$ 90.87	\$ 94.05	\$ 97.34	\$ 100.75	\$ 104.28
ANT-071	Sr. Computer Operations Manager	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-072	Systems Administrator/Operator	\$ 58.34	\$ 60.38	\$ 62.49	\$ 64.68	\$ 66.94
ANT-073	Jr. Computer Operator	\$ 38.88	\$ 40.24	\$ 41.65	\$ 43.11	\$ 44.62
ANT-074	Computer Operator	\$ 44.49	\$ 46.05	\$ 47.66	\$ 49.33	\$ 51.06
ANT-075	Reserved					
ANT-076	Communications Engineer	\$ 94.80	\$ 98.12	\$ 101.55	\$ 105.10	\$ 108.78
ANT-077	Sr. Communications Engineer	\$ 100.09	\$ 103.59	\$ 107.22	\$ 110.97	\$ 114.85
ANT-078	Jr. Network Engineer	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-079	Network Engineer	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-080	Staff Network Engineer	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-081	Sr. Network Engineer	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-082	Principal Network Engineer	\$ 140.61	\$ 145.54	\$ 150.63	\$ 155.90	\$ 161.36
ANT-083	Network Administrator	\$ 89.91	\$ 93.06	\$ 96.32	\$ 99.69	\$ 103.18
ANT-084	Sr. Network Administrator	\$ 101.85	\$ 105.42	\$ 109.11	\$ 112.93	\$ 116.88
ANT-085	Network/Computer Support Technician	\$ 44.77	\$ 46.33	\$ 47.95	\$ 49.63	\$ 51.37

Cat #	GDIT IT Schedule Category Title	Option 2 - Year 1 1/15/08 - 1/14/09	Option 2 - Year 2 1/15/09 - 1/14/10	Option 2 - Year 3 1/15/10 - 1/14/11	Option 2 - Year 4 1/15/11 - 1/14/12	Option 2 - Year 5 1/15/12 - 1/14/13
ANT-086	Sr. Network/Computer Support Technician	\$ 59.82	\$ 61.91	\$ 64.08	\$ 66.32	\$ 68.64
ANT-087	Reserved					
ANT-088	Network/Computer Support Specialist	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-089	Computer System/Network Integ Eng	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-090	Reserved					
ANT-091	Telecommunications Analyst	\$ 66.80	\$ 69.14	\$ 71.56	\$ 74.06	\$ 76.65
ANT-092	Sr. Telecommunications Analyst	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-093	Communications Network Manager	\$ 98.76	\$ 102.22	\$ 105.80	\$ 109.50	\$ 113.33
ANT-094	Reserved					
ANT-095	Reserved					
ANT-096	Reserved					
ANT-097	Jr. Help Desk Technician	\$ 50.95	\$ 52.74	\$ 54.59	\$ 56.50	\$ 58.48
ANT-098	Help Desk Technician	\$ 58.34	\$ 60.38	\$ 62.49	\$ 64.68	\$ 66.94
ANT-099	Sr. Help Desk Technician	\$ 66.80	\$ 69.14	\$ 71.56	\$ 74.06	\$ 76.65
ANT-100	Electronics/Electrical Technician	\$ 54.53	\$ 56.44	\$ 58.42	\$ 60.46	\$ 62.58
ANT-101	Reserved					
ANT-102	Hardware Specialist	\$ 67.14	\$ 69.49	\$ 71.92	\$ 74.44	\$ 77.05
ANT-103	Quality Assurance/IV&V Analyst	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-104	Quality Assurance/IV&V Specialist	\$ 67.14	\$ 69.49	\$ 71.92	\$ 74.44	\$ 77.05
ANT-105	Quality Assurance/IV&V Manager	\$ 117.84	\$ 121.97	\$ 126.24	\$ 130.66	\$ 135.23
ANT-106	Logistics Specialist	\$ 50.95	\$ 52.74	\$ 54.59	\$ 56.50	\$ 58.48
ANT-107	Reserved					
ANT-108	Configuration Mgt Spec	\$ 77.69	\$ 80.41	\$ 83.22	\$ 86.13	\$ 89.14
ANT-109	Sr. Configuration Mgt Spec	\$ 104.29	\$ 107.94	\$ 111.72	\$ 115.63	\$ 119.68
ANT-110	Reserved					
ANT-111	Training Specialist/Instructor	\$ 65.84	\$ 68.15	\$ 70.54	\$ 73.01	\$ 75.57
ANT-112	Sr. Training Specialist/Instructor	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-113	Reserved					
ANT-114	Training Specialist	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-115	Sr. Training Specialist	\$ 79.37	\$ 82.14	\$ 85.01	\$ 87.99	\$ 91.07
ANT-116	Principal Training Specialist	\$ 101.85	\$ 105.42	\$ 109.11	\$ 112.93	\$ 116.88
ANT-117	Reserved					
ANT-118	Reserved					
ANT-119	Testing & Validation Spec	\$ 62.46	\$ 64.64	\$ 66.90	\$ 69.24	\$ 71.66
ANT-120	Reserved					
ANT-121	Principal Testing & Validation Spec	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-122	Reserved					
ANT-123	Instructional Sys Designer	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-124	Sr. Instructional Sys Designer	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72
ANT-125	Reserved					
ANT-126	Jr. Graphic Design Specialist	\$ 50.95	\$ 52.74	\$ 54.59	\$ 56.50	\$ 58.48
ANT-127	Graphic Design Specialist	\$ 58.34	\$ 60.38	\$ 62.49	\$ 64.68	\$ 66.94
ANT-128	Staff Graphic Design Specialist	\$ 68.31	\$ 70.70	\$ 73.17	\$ 75.73	\$ 78.38
ANT-129	Sr. Graphic Design Specialist	\$ 76.63	\$ 79.32	\$ 82.10	\$ 84.97	\$ 87.94
ANT-130	Principal Graphic Design Specialist	\$ 81.67	\$ 84.53	\$ 87.49	\$ 90.55	\$ 93.72

Cat #	GDIT IT Schedule Category Title	Option 2 - Year 1 1/15/08 - 1/14/09	Option 2 - Year 2 1/15/09 - 1/14/10	Option 2 - Year 3 1/15/10 - 1/14/11	Option 2 - Year 4 1/15/11 - 1/14/12	Option 2 - Year 5 1/15/12 - 1/14/13
ANT-131	Videographer/Editor	\$ 58.34	\$ 60.38	\$ 62.49	\$ 64.68	\$ 66.94
ANT-132	Reserved					
ANT-133	Contracts Administrator	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-134	Sr. Contracts Administrator	\$ 89.91	\$ 93.06	\$ 96.32	\$ 99.69	\$ 103.18
ANT-135	Reserved					
ANT-136	Jr. Program Mgt Specialist	\$ 60.42	\$ 62.54	\$ 64.73	\$ 67.00	\$ 69.35
ANT-137	Program Mgt Specialist	\$ 68.31	\$ 70.70	\$ 73.17	\$ 75.73	\$ 78.38
ANT-138	Sr. Program Mgt Specialist	\$ 79.37	\$ 82.14	\$ 85.01	\$ 87.99	\$ 91.07
ANT-139	Principal Program Mgt Specialist	\$ 101.85	\$ 105.42	\$ 109.11	\$ 112.93	\$ 116.88
ANT-140	Jr. Program Support Specialist	\$ 41.59	\$ 43.05	\$ 44.56	\$ 46.12	\$ 47.73
ANT-141	Program Support Specialist	\$ 47.01	\$ 48.66	\$ 50.36	\$ 52.12	\$ 53.94
ANT-142	Sr. Program Support Specialist	\$ 53.44	\$ 55.31	\$ 57.25	\$ 59.25	\$ 61.32
ANT-143	Jr. Admin/Data Analyst	\$ 33.96	\$ 35.15	\$ 36.38	\$ 37.65	\$ 38.97
ANT-144	Admin/Data Analyst	\$ 38.88	\$ 40.24	\$ 41.65	\$ 43.11	\$ 44.62
ANT-145	Reserved					
ANT-146	Reserved					
ANT-147	Documentation Specialist	\$ 58.34	\$ 60.38	\$ 62.49	\$ 64.68	\$ 66.94
ANT-148	Sr. Documentation Specialist	\$ 72.29	\$ 74.82	\$ 77.44	\$ 80.15	\$ 82.96
ANT-149	Technical Writer	\$ 47.43	\$ 49.09	\$ 50.81	\$ 52.59	\$ 54.43
ANT-150	Technical Editor	\$ 79.37	\$ 82.14	\$ 85.01	\$ 87.99	\$ 91.07
ANT-151	Reserved					
ANT-152	Reserved					
ANT-153	Reserved					
ANT-154	Reserved					
ANT-155	Reserved					
ANT-156	Technical Typist	\$ 33.96	\$ 35.15	\$ 36.38	\$ 37.65	\$ 38.97
ANT-157	Data Entry Clerk	\$ 33.96	\$ 35.15	\$ 36.38	\$ 37.65	\$ 38.97

**Note: Rates Reflect .75% Industrial Funding Fee (IFF)**

**OCONUS:** *GDIT's rates are for CONUS efforts only. For OCONUS efforts GDIT will increase the labor rates by the applicable U. S. State Department published differentials. Other related international expenses required to support employees outside of the continental United States may be charged as ODCs (including but not limited to, special space costs, taxes, Defense Base Act (DBA) Workers' Compensation insurance, travel accident insurance, and possible telecommunication costs) in our task order proposals.*

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**Appendix 4**

**BEST VALUE  
BLANKET PURCHASE AGREEMENT  
FEDERAL SUPPLY SCHEDULE**

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (Ordering Activity) and General Dynamics Information Technology enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) GS-35F-4357D.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the Ordering Activity that works better and costs less.

**Signatures**

\_\_\_\_\_  
Ordering Activity

\_\_\_\_\_  
DATE

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
DATE

BPA NUMBER \_\_\_\_\_

(CUSTOMER NAME)  
BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s) GS-35F-4357D, Blanket Purchase Agreements, General Dynamics Information Technology agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (Ordering Agency):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER	*SPECIAL BPA DISCOUNT/PRICE
_____	_____
_____	_____

(2) Delivery:

DESTINATION	DELIVERY SCHEDULE/DATES
_____	_____
_____	_____

(3) The Government estimates, but does not guarantee, that the volume of purchases through this agreement will be \_\_\_\_\_.

(4) This BPA does not obligate any funds.

(5) This BPA expires on \_\_\_\_\_ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE	POINT OF CONTACT
_____	_____
_____	_____

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

- (a) Name of Contractor;
- (b) Contract Number;
- (c) BPA Number;
- (d) Model Number or National Stock Number (NSN);
- (e) Purchase Order Number;
- (f) Date of Purchase;
- (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
- (h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

## Appendix 5

### **BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”**

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a customer agency requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer's needs, or
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer's requirement.
- Customers make a best value selection.

## Appendix 6

# USA Commitment to Promote Small Business Participation Procurement Programs

### PREAMBLE

GDIT provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged women-owned, HUBZone, Veteran and Service-disabled small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

### COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged, women-owned, HUBZone, Veteran and Service-disabled small businesses by purchasing from these businesses whenever practical.

To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.

To undertake significant efforts to determine the potential of small, small disadvantaged, women-owned, HUBZone, Veteran and Service-disabled small businesses to supply products and services to our company.

To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, women-owned, HUBZone, Veteran and Service-disabled small businesses.

To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.

To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged, women-owned, HUBZone, Veteran and Service-disabled small businesses to promote and increase their participation in contracts. To accelerate potential opportunities please contact Ludmilla Parnell, voice: 703-246-0948, fax: 703-246-0682, ludmilla.parnell@gdit.com.

## Appendix 7

### List of Service and Distribution Points

**General Dynamics Information Technology, Inc.**  
**3211 Jermantown Road**  
**Fairfax, VA 22030-2801**

**Local: (703) 246-0930**  
**Fax: (703) 246-0351**

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## Appendix 8

### Price List Information

#### Warranty Codes

0	No warranty
A	30 days
B	60 days
C	90 days
D	6 months
E	1 year
F	1 year with labor
G	2 years
H	2 years with labor
J	3 years
K	5 years
L	7 years
M	Lifetime
N	18 months
O	14 months
Q	10 years
R	15 years
S	20 years

#### Environmental Codes

AB	Item contains recycled content
AC	Energy efficient item
AD	Water conserving item
AE	Low Volatile Organic Compounds
AF	Lead free item
AG	Remanufactured item
AH	Chlorine free item
AI	Ozone safe item
AJ	JWOD NIB/NISH
AK	UNICOR
J	Item meets Energy Star office equipment specifications
K	Item is Allied Compliant

#### Special Codes

+	May only be acquired with a CPU and must be factory installed and delivered in the system unit.
1	Parts removed or replaced become the property of IBM and must be returned.

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## Appendix 9

### Oracle License and Services Agreement

#### A. Agreement Definitions

“You” and “your” refers to the individual or entity that has executed this agreement (“agreement”) and ordered programs and/or services from Oracle USA, Inc. (“Oracle”) or an authorized distributor. The term “ancillary programs” refers to third party materials as specified in the program documentation which may only be used for the purposes of installing or operating the programs with which the ancillary programs are delivered. The term “program documentation” refers to the program user manual and program installation manuals. The term “programs” refers to the software products owned or distributed by Oracle which you have ordered, program documentation, and any program updates acquired through technical support. The term “services” refers to technical support, education, hosted/outsourcing services, consulting or other services which you have ordered. The term “third party programs” refers to programs designated in an ordering document as a third party program.

#### B. Applicability of Agreement

This agreement is valid for the order which this agreement accompanies.

#### C. Rights Granted

Upon Oracle’s acceptance of your order, you have the non-exclusive, royalty free, perpetual (unless otherwise specified in the ordering document), limited right to use the programs and receive any services you ordered solely for your internal business operations and subject to the terms of this agreement, including the definitions and rules set forth in the order and the program documentation. For programs that are specifically designed to allow your customers and suppliers to interact with you in the furtherance of your internal business operations, such use is allowed under this agreement. You may allow your agents and contractors (including, without limitation, outsourcers) to use the programs for this purpose and you are responsible for their compliance with this agreement in such use. If accepted, Oracle will notify you and this notice will include a copy of your agreement. Program documentation is delivered with the programs, or you may access the documentation online at <http://oracle.com/contracts>. Services are provided based on Oracle’s policies for the applicable services ordered, which are subject to change, and the specific policies applicable to you, and how to access them, will be specified on your order (except technical support services, which are as specified in section H of this agreement). Upon payment for services, you will have a perpetual, non-exclusive, non-assignable, royalty free license to use for your internal business operations anything developed by Oracle and delivered to you under this agreement; however, certain deliverables may be subject to additional license terms provided in the ordering document.

The services provided under this agreement may be related to your license to use programs which you acquire under a separate order. The agreement referenced in that order shall govern your use of such programs. Any services acquired from Oracle are bid separately from such program licenses, and you may acquire either services or such program licenses without acquiring the other.

#### D. Ownership and Restrictions

Oracle or its licensors retain all ownership and intellectual property rights to the programs. Oracle retains all ownership and intellectual property rights to anything developed by Oracle and delivered to you under this agreement resulting from the services. You may make a sufficient number of copies of each program (other than for Siebel programs), for your licensed use and one copy of each program media. With respect to Siebel programs, you may only make a sufficient number of copies of each such program to support the maximum number of users of such program(s).

Third party technology that may be appropriate or necessary for use with some Oracle programs is specified in the program documentation. Such third party technology is licensed to you under the terms of the third party technology license agreement specified in the program documentation and not under the terms of this agreement.

You may not:

- remove or modify any program markings or any notice of Oracle’s or its licensors’ proprietary rights;
- make the programs or materials resulting from the services available in any manner to any third party for use in the third party’s business operations (unless such access is expressly permitted for the specific program license or materials from the services you have acquired);
- cause or permit reverse engineering (unless required by law for interoperability), disassembly or decompilation of the programs

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- disclose results of any program benchmark tests without Oracle's prior written consent;
  - use third party programs except in connection with PeopleSoft and/or JD Edwards programs.

#### **E. Warranties, Disclaimers and Exclusive Remedies**

Oracle warrants that a program licensed to you will operate in all material respects as described in the applicable program documentation for one year after delivery (i.e., via physical shipment or electronic download). You must notify Oracle of any program warranty deficiency within one year after delivery. Oracle also warrants that services will be provided in a professional manner consistent with industry standards. You must notify Oracle of any services warranty deficiencies within 90 days from performance of the defective services.

**ORACLE DOES NOT GUARANTEE THAT THE PROGRAMS WILL PERFORM ERROR-FREE OR UNINTERRUPTED OR THAT ORACLE WILL CORRECT ALL PROGRAM ERRORS.**

**FOR ANY BREACH OF THE ABOVE WARRANTIES, YOUR EXCLUSIVE REMEDY, AND ORACLE'S ENTIRE LIABILITY, SHALL BE: (A) THE CORRECTION OF PROGRAM ERRORS THAT CAUSE BREACH OF THE WARRANTY, OR IF ORACLE CANNOT SUBSTANTIALLY CORRECT SUCH BREACH IN A COMMERCIALY REASONABLE MANNER, YOU MAY END YOUR PROGRAM LICENSE AND RECOVER THE FEES PAID TO ORACLE FOR THE PROGRAM LICENSE AND ANY UNUSED, PREPAID TECHNICAL SUPPORT FEES YOU HAVE PAID FOR THE PROGRAM LICENSE; OR (B) THE REPERFORMANCE OF THE DEFICIENT SERVICES, OR IF ORACLE CANNOT SUBSTANTIALLY CORRECT A BREACH IN A COMMERCIALY REASONABLE MANNER, YOU MAY END THE RELEVANT SERVICES AND RECOVER THE FEES PAID TO ORACLE FOR THE DEFICIENT SERVICES.**

**TO THE EXTENT PERMITTED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

#### **F. Trial Programs**

You may order trial programs, or Oracle may include additional programs with your order which you may use for trial, non-production purposes only. You may not use the trial programs to provide or attend third party training on the content and/or functionality of the programs. You have 30 days from the delivery date to evaluate these programs. If you decide to use any of these programs after the 30 day trial period, you must obtain a license for such programs from Oracle or an authorized distributor. If you decide not to obtain a license for any program after the 30 day trial period, you will cease using and will delete any such programs from your computer systems. Programs licensed for trial purposes are provided "as is" and Oracle does not provide technical support or offer any warranties for these programs.

#### **G. Indemnification**

If a third party makes a claim against either you or Oracle ("Recipient" which may refer to you or Oracle depending upon which party received the Material), that any information, design, specification, instruction, software, data, or material ("Material") furnished by either you or Oracle ("Provider" which may refer to you or Oracle depending on which party provided the Material), and used by the Recipient infringes its intellectual property rights, the Provider, at its sole cost and expense, will defend the Recipient against the claim and indemnify the Recipient from the damages, liabilities, costs and expenses awarded by the court to the third party claiming infringement or the settlement agreed to by the Provider, if the Recipient does the following:

- notifies the Provider promptly in writing, not later than 30 days after the Recipient receives notice of the claim (or sooner if required by applicable law);
- gives the Provider sole control of the defense and any settlement negotiations; and
- gives the Provider the information, authority, and assistance the Provider needs to defend against or settle the claim.

If the Provider believes or it is determined that any of the Material may have violated a third party's intellectual property rights, the Provider may choose to either modify the Material to be non-infringing (while substantially preserving its utility or functionality) or obtain a license to allow for continued use, or if these alternatives are not commercially reasonable, the Provider may end the license for, and require return of, the applicable Material and refund any fees the Recipient may have paid for it and any unused, prepaid technical support fees you have paid for the license. If you are the Provider and such return materially affects Oracle's ability to meet its obligations under the relevant order, then Oracle may, at its option and upon 30 days prior written notice, terminate the order. The Provider will not indemnify the Recipient if the Recipient alters the Material or uses it outside the scope of use identified in the Provider's user documentation or if the Recipient uses a version of the Materials which has been superseded, if the infringement claim could have been avoided by using an unaltered current version of the Material which was provided to the Recipient. The Provider will not indemnify the Recipient to the extent that an infringement claim is based upon any information, design, specification, instruction, software, data, or material not furnished by the Provider. Oracle will not indemnify you to the extent that an infringement claim is based upon

the combination of any Material with any products or services not provided by Oracle. Oracle will not indemnify you for infringement caused by your actions against any third party if the Oracle program(s) as delivered to you and used in accordance with the terms of this agreement would not otherwise infringe any third party intellectual property rights. This section provides the parties' exclusive remedy for any infringement claims or damages.

#### **H. Technical Support**

For purposes of the ordering document, technical support consists of annual technical support services you may have ordered for the supportable programs. The term "supportable programs" refers to those programs for which Oracle offers annual technical support services, including third party programs specifically designated on the order as supportable programs. If ordered, annual technical support (including first year and all subsequent years) is provided under Oracle's technical support policies in effect at the time the services are provided. The technical support policies, incorporated in this agreement, are subject to change at Oracle's discretion; however, Oracle will not materially reduce the level of services provided for supported programs during the period for which fees for technical support have been paid. You should review the policies prior to entering into the ordering document for the applicable services. You may access the current version of the technical support policies at <http://oracle.com/contracts>.

Technical support is effective upon the effective date of the ordering document unless otherwise stated in your order. If your order was placed through the Oracle Store, the effective date is the date your order was accepted by Oracle. Software Update License & Support (or any successor technical support offering to Software Update License & Support, "SULS") acquired with your order may be renewed annually and, if you renew SULS for the same number of licenses for the same programs, for the first and second renewal years the fee for SULS, will not increase by more than 4% over the prior year's fees. There is no cap on fee increases for SULS for third party programs; unless otherwise provided in your order, the SULS fee for third party programs that are identified as supportable programs licensed pursuant to an ordering document will equal the fee in effect at the time SULS is renewed. If your order is fulfilled by a member of Oracle's partner program, the fee for SULS for the first renewal year will be the price quoted to you by your partner; the fee for SULS for the second renewal year will not increase by more than 4% over the prior year's fees. There is no cap on fee increases for SULS for third party programs; unless otherwise provided in your order, the SULS fee for third party programs that are identified as supportable programs licensed pursuant to an ordering document will equal the fee in effect at the time SULS is renewed.

If you decide to purchase technical support for any license within a license set, you are required to purchase technical support at the same level for all licenses within that license set. You may desupport a subset of licenses in a license set only if you agree to terminate that subset of licenses. The technical support fees for the remaining licenses will be priced in accordance with the technical support policies in effect at the time of termination. Oracle's license set definition is available in the current technical support policies. If you decide not to purchase technical support, you may not update any unsupported program licenses with new versions of the program.

#### **I. End of Agreement**

If either of us breaches a material term of this agreement and fails to correct the breach within 30 days of written specification of the breach, then the breaching party is in default and the non-breaching party may terminate this agreement. If Oracle ends this agreement as specified in the preceding sentence, you must pay within 30 days all amounts which have accrued prior to such end, as well as all sums remaining unpaid for programs ordered and/or services received under this agreement plus related taxes and expenses. If Oracle ends the license for a program under the Indemnification section, you must pay within 30 days all amounts for such license which have accrued prior to such end, as well as all sums remaining unpaid for services related thereto received under this agreement plus related taxes and expenses. Except for nonpayment of fees, the non-breaching party may agree in its sole discretion to extend the 30 day period for so long as the breaching party continues reasonable efforts to cure the breach. You agree that if you are in default under this agreement, you may not use those programs and/or services ordered. You further agree that if you have used an Oracle Financing Division contract to pay for the fees due under an order and you are in default under that contract, you may not use the programs and/or services that are subject to such contract. Provisions that survive termination or expiration are those relating to limitation of liability, infringement indemnity, payment, and others which by their nature are intended to survive.

#### **J. Fees and Taxes**

All fees payable to Oracle are due within 30 days from the invoice date. You agree to pay any sales, value-added or other similar taxes imposed by applicable law that Oracle must pay based on the programs and/or services you ordered, except for taxes based on Oracle's income. Also, you will reimburse Oracle for reasonable expenses related to providing the services. Fees for services listed in an ordering document are exclusive of taxes and expenses. You agree that you have not relied on the future availability of any programs or updates in entering into the payment obligations in your ordering document; however, (a) if you order SULS for programs, the preceding sentence does not relieve Oracle of its obligation to provide updates under your ordering document, if-and-when available, in accordance with Oracle's then current technical support policies, and (b) the preceding sentence does not change the rights granted to you for any program licensed under your ordering document, per the terms of your ordering document and this agreement.

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**K. Nondisclosure**

By virtue of this agreement, the parties may have access to information that is confidential to one another (“confidential Information”). We each agree to disclose only information that is required for the performance of obligations under this agreement. Confidential information shall be limited to the terms and pricing under this agreement and all information clearly identified as confidential at the time of disclosure.

A party’s confidential information shall not include information that: (a) is or becomes a part of the public domain through no act or omission of the other party; (b) was in the other party’s lawful possession prior to the disclosure and had not been obtained by the other party either directly or indirectly from the disclosing party; (c) is lawfully disclosed to the other party by a third party without restriction on the disclosure; or (d) is independently developed by the other party.

We each agree to hold each other’s confidential information in confidence for a period of three years from the date of disclosure. Also, we each agree to disclose confidential information only to those employees or agents who are required to protect it against unauthorized disclosure. Nothing shall prevent either party from disclosing the terms or pricing under this agreement or orders submitted under this agreement in any legal proceeding arising from or in connection with this agreement or disclosing the confidential information to a federal or state governmental entity as required by law.

**L. Entire Agreement**

You agree that this agreement and the information which is incorporated into this agreement by written reference (including reference to information contained in a URL or referenced policy), together with the applicable ordering document, are the complete agreement for the programs and/or services ordered by you, and that this agreement supersedes all prior or contemporaneous agreements or representations, written or oral, regarding such programs and/or services. If any term of this agreement is found to be invalid or unenforceable, the remaining provisions will remain effective and such term shall be replaced with a term consistent with the purpose and intent of this agreement. It is expressly agreed that the terms of this agreement and any Oracle ordering document shall supersede the terms in any purchase order or other non-Oracle ordering document and no terms included in any such purchase order or other non-Oracle ordering document shall apply to the programs and/or services ordered. This agreement and ordering documents may not be modified and the rights and restrictions may not be altered or waived except in a writing signed or accepted online through the Oracle Store by authorized representatives of you and of Oracle. Any notice required under this agreement shall be provided to the other party in writing.

**M. Limitation of Liability**

**NEITHER PARTY SHALL BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES, OR ANY LOSS OF PROFITS, REVENUE, DATA, OR DATA USE. ORACLE’S MAXIMUM LIABILITY FOR ANY DAMAGES ARISING OUT OF OR RELATED TO THIS AGREEMENT OR YOUR ORDER, WHETHER IN CONTRACT OR TORT, OR OTHERWISE, SHALL BE LIMITED TO THE AMOUNT OF THE FEES YOU PAID ORACLE UNDER THIS AGREEMENT, AND IF SUCH DAMAGES RESULT FROM YOUR USE OF PROGRAMS OR SERVICES, SUCH LIABILITY SHALL BE LIMITED TO THE FEES YOU PAID ORACLE FOR THE DEFICIENT PROGRAM OR SERVICES GIVING RISE TO THE LIABILITY.**

**N. Export**

Export laws and regulations of the United States and any other relevant local export laws and regulations apply to the programs. You agree that such export control laws govern your use of the programs (including technical data) and any services deliverables provided under this agreement, and you agree to comply with all such export laws and regulations (including “deemed export” and “deemed re-export” regulations). You agree that no data, information, program and/or materials resulting from services (or direct product thereof) will be exported, directly or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation, or development of missile technology.

**O. Other**

1. This agreement is governed by the substantive and procedural laws of California and you and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts in San Francisco, San Mateo, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

2. If you have a dispute with Oracle or if you wish to provide a notice under the Indemnification section of this agreement, or if you become subject to insolvency or other similar legal proceedings, you will promptly send written notice to: Oracle USA, Inc. 500 Oracle Parkway, Redwood City, California, United States, 94065, Attention: General Counsel, Legal Department.

3. You may not assign this agreement or give or transfer the programs and/or any services or an interest in them to another individual or entity. If you grant a security interest in the programs and/or any services deliverables, the secured party has no right to use or transfer the programs and/or any services deliverables, and if you decide to finance your

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acquisition of the programs and/or any services, you will follow Oracle's policies regarding financing which are at <http://oracle.com/contracts>.

4. Except for actions for nonpayment or breach of Oracle's proprietary rights, no action, regardless of form, arising out of or relating to this agreement may be brought by either party more than two years after the cause of action has accrued.

5. Upon 45 days written notice, Oracle may audit your use of the programs. You agree to cooperate with Oracle's audit and provide reasonable assistance and access to information. Any such audit shall not unreasonably interfere with your normal business operations. You agree to pay within 30 days of written notification any fees applicable to your use of the programs in excess of your license rights. If you do not pay, Oracle can end your technical support, licenses and/or this agreement. You agree that Oracle shall not be responsible for any of your costs incurred in cooperating with the audit.

6. The Uniform Computer Information Transactions Act does not apply to this agreement.

**P. Force Majeure**

Neither of us shall be responsible for failure or delay of performance if caused by: an act of war, hostility, or sabotage; act of God; electrical, internet, or telecommunication outage that is not caused by the obligated party; government restrictions (including the denial or cancellation of any export or other license); other event outside the reasonable control of the obligated party. We both will use reasonable efforts to mitigate the effect of a force majeure event. If such event continues for more than 90 days, either of us may cancel unperformed services upon written notice. This section does not excuse either party's obligation to take reasonable steps to follow its normal disaster recovery procedures or your obligation to pay for programs delivered or services provided.

**Q. License Definitions and Rules**

To fully understand your license grant, you need to review the definition for the licensing metric and term designation as well as the licensing rules which are listed below:

**Adapter:** is defined as each software code interface, installed on each Oracle Internet Application Server Enterprise Edition, which facilitates communication of information between each version of a third party software application or system and Oracle programs.

**\$M Annual Transaction Volume:** is defined as one million U.S. dollars in all purchase orders transacted and all auctions conducted through the Oracle Exchange Marketplace by you and others during the applicable year of the Oracle Exchange Marketplace license, regardless of whether any such auction results in a purchase order, provided that an auction resulting in a purchase order shall only be counted against the Annual Transaction Volume once.

**Applications National Language Support (NLS) Supplement Media Packs:** Please be advised that only a subset of the products included on an Applications NLS Supplement Media Pack have been translated. For existing supported customers, Metalink has information on which products have been translated for the supported languages (<http://metalink.oracle.com>). For new or unsupported customers, please contact your Oracle Account Manager for this information.

**Application User, Enterprise Asset Management (EAM) User:** is defined as an individual authorized by you to use the applicable licensed application programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time. If you license the Self Service Work Request option in conjunction with EAM, you are required to maintain licenses for the equivalent number of EAM Users licensed and you are granted unlimited access to initiate work requests, view work request status and view scheduled completion dates for your entire employee population. Application Users licensed for Order Management are allowed to manually enter orders directly into the programs but any orders entered electronically from other sources must be licensed separately.

**Application Read-Only User:** is defined as an individual authorized by you to run only queries or reports against the application program for which you have also acquired non read-only licenses.

**Beacon:** is defined as each target that is deployed and managed by the program that measures the response time of remote software or hardware interfaces by communicating with those interfaces over protocols, api's or programmatic interactions and measuring the total time elapsed between the initiation of communication and completion of the associated response from the remote interface.

**Case Report Form (CRF) Page:** is defined as the "electronic equivalent" of what would be the total number of physical paper pages initiated remotely by the program (measured explicitly in the program as Received Data Collection Instruments) during a 12 month period. You may not exceed the licensed number of CRF Pages during any 12 month period unless you acquire additional CRF Page licenses from Oracle.

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**Collaboration Program User:** is defined as an individual authorized by you to use the programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time. For the purposes of counting and licensing the number of Real Time Collaboration users, a Collaboration Program User within your company is defined as a user able to initiate, or host, a web conference and also participate in a web conference; all participants in the web conference external to your company and attending a web conference are not required to be licensed.

**Compensated Individual:** is defined as an individual whose compensation or compensation calculations are generated by the programs. The term Compensated Individual includes, but is not limited to, your employees, contractors, retirees, and any other Person.

**Computer:** is defined as the computer on which the programs are installed. A Computer license allows you to use the licensed program on a single specified computer.

**Connector:** is defined as each connector connecting the software product with an external product. A unique connector is required for each distinct product that the software product is required to interface.

**\$M Cost of Goods Sold:** is defined as one million U.S. dollars in the total cost of inventory that a company has sold during their fiscal year. If Cost of Goods Sold is unknown to you then Cost of Goods Sold shall be equal to 75% of total company revenue.

**Custom Suite User:** is defined as an individual authorized by you to use the application programs included in the applicable Custom Applications Suite which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time.

**Developer User:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. Developer Users may create, modify, view and interact with the programs and documentation.

**Electronic Order Line:** is defined as the total number of distinct order lines entered electronically into the Oracle Order Management application from any source (not manually entered by licensed Order Management Users, Professional Users 2003, or Professional Users 2003 - External) during a 12 month period. This includes order lines originating as external EDI/XML transactions and/or sourced from other Oracle and non-Oracle applications. You may not exceed the licensed number of order lines during any 12 month period.

**Employee:** is defined as all of your full-time, part-time, temporary employees and all of your agents, contractors and consultants. The quantity of the licenses required is determined by the number of Employees and not the actual number of users. In the event that you elect to outsource any business function(s), all of the full-time, part-time, temporary employees and agents, contractors and consultants of the company providing the outsourcing services must be counted for the purposes of determining the number of Employees.

**Employee User:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time

**Expense Report:** is defined as the total number of expense reports processed by Internet Expenses during a 12 month period. You may not exceed the licensed number of expense reports during any 12 month period.

**Federated Link:** is defined as a one-to-one pairing between a source domain and a destination domain. A source domain is the point of origin for a request. A destination domain contains the resource that users from source domains want to access. One source domain might have many pairings with different destination domains and one destination domain might have many pairings with different source domains. Each and every pairing is a federated link.

**Field Technician:** is defined as an engineer, technician, representative, or other person who is dispatched by you, including the dispatchers, to the field using the programs.

**\$M Freight Under Management:** is defined as one million US Dollars of the total transportation value of tendered orders for all shipments for a given calendar year during the term of the license. FUM shall include the combined total of actual freight purchased by you, plus the cost of freight for shipments managed by you (e.g., you are not purchasing transportation services on behalf of your clients but are providing transportation management services for your clients). Freight that is paid by a third party shall also be included in the FUM total (e.g., inbound shipments from suppliers to you with freight terms of prepaid).

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**Full Time Equivalent (FTE) Student:** is defined as any full-time student enrolled in your institution and any part-time student enrolled in your institution counts as 25% of an FTE Student. The definition of "full-time" and "part-time" is based on your policies for student classification. If the number of FTE Students is a fraction, that number will be rounded to the nearest whole number for purposes of license quantity requirements.

**Hosted Named User:** is defined as an individual authorized by you to access the hosted service, regardless of whether the individual is actively accessing the hosted service at any given time.

**1K Invoice Line:** is defined as one thousand invoice line items processed by the program during a 12 month period. You may not exceed the licensed number of Invoice Lines during any 12 month period unless you acquire additional Invoice Line licenses from Oracle.

**IVR Port:** is defined as a single caller that can be processed via the Interactive Voice Response (IVR) system. You must purchase licenses for the number of IVR Ports that represent the maximum number of concurrent callers that can be processed by the IVR system.

**Learning Credits:** may be used to acquire education products and services offered in the Oracle University online catalogue posted at <http://www.oracle.com/education> under the terms specified therein. Learning credits may only be used to acquire products and services at the list price in effect at the time you order the relevant product or service, and may not be used for any product or service that is subject to a discount or a promotion when you order the relevant product or service. The list price will be reduced by applying the discount specified in your order. Notwithstanding anything to the contrary in the previous three sentences, learning credits may also be used to pay taxes, materials and/or expenses related to your order; however, the discount specified above will not be applied to such taxes, materials and/or expenses. Learning credits are valid for a period of 12 months from the date your order is accepted by Oracle, and you must acquire products and must use any acquired services prior to the end of such period. You may only use learning credits in the country in which you acquired them, may not use them as a payment method for additional learning credits, and may not use different learning credits accounts to acquire a single product or service or to pay related taxes, materials and/or expenses. Learning credits are non-transferable and non-assignable. You may be required to execute standard Oracle ordering materials when using learning credits to order products or services.

**\$M in Managed Assets:** is defined as one million U.S. dollars of the following total: (1) Book value of investment in capital leases, direct financing leases and other finance leases, including residuals, whether owned or managed for others, active on the program, plus (2) Book value of assets on operating leases, whether owned or managed for others, active on the program, plus (3) Book value of loans, notes, conditional sales contracts and other receivables, owned or managed for others, active on the program, plus (4) Book value of non earning assets, owned or managed for others, which were previously leased and active on the program, including assets from term terminated leases and repossessed assets, plus (5) Original cost of assets underlying leases and loans, originated and active on the program, then sold within the previous 12 months.

**Membership:** is defined as an individual authorized by you to access the hosted service, regardless of whether the individual is accessing the hosted service at any given time.

**Module:** is defined as each production database running the programs.

**Monitored User:** is defined as an individual who is monitored by an Analytics program which is installed on a single server or multiple servers, regardless of whether the individual is actively being monitored at any given time. Individual users who are licensed for an Analytics program by either Named User Plus or Application User may not be licensed by Monitored User. For the purposes of the Usage Accelerator Analytics program, every user of your licensed CRM Sales application program must be licensed. For the purposes of the Human Resources Compensation Analytics program, all of your employees must be licensed.

**Named User Plus:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. A non human operated device will be counted as a named user plus in addition to all individuals authorized to use the programs, if such devices can access the programs. If multiplexing hardware or software (e.g., a TP monitor or a web server product) is used, this number must be measured at the multiplexing front end. Automated batching of data from computer to computer is permitted. You are responsible for ensuring that the named user plus per processor minimums are maintained for the programs contained in the user minimum table in the licensing rules section; the minimums table provides for the minimum number of named users plus required and all actual users must be licensed.

**For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plug-in for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the users of the third party program that is being managed/monitored are counted for the purpose of determining the number of licenses required.**

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For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft Enterprise, all users of the middleware and/or database software that support the respective application program are counted for the purpose of determining the number of licenses required.

**Network Device:** is defined as the hardware and/or software whose primary purpose is to route and control communications between computers or computer networks. Examples of network devices include but are not limited to, routers, firewalls and network load balancers.

**Non Employee User - External:** is defined as an individual, who is not your employee, contractor or outsourcer, authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time.

**Oracle Finance Division Contract:** is a contract between you and Oracle (or one of Oracle's affiliates) that provides for payments over time of some or all of the sums due under your order.

**Oracle University Knowledge Center Service:** is defined as a web based learning environment hosted by Oracle that provides on demand access to either an individual Oracle University training course ("Online Course") or to all of the Oracle University training courses available on the Knowledge Center website ("Passport"). The Oracle University Knowledge Center service is available at <http://www.oracle.com/education/oukc/>, and is made available to you subject to the terms of this agreement and Oracle University's Online Hosting Access Policies, which are located at [http://www.oracle.com/education/oukc/hosting\\_policies.html](http://www.oracle.com/education/oukc/hosting_policies.html) and may be updated by Oracle from time to time without notice to you. Online Courses are made available on a named user basis, and the Passport is made available on a membership basis. In the event that any Oracle programs are made available for download as part of the service, then use of such programs is subject to the terms of this agreement. If you acquire the Oracle University Knowledge Center service, the term shall be one year from the effective date of your order. **NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THE AGREEMENT, ORACLE DOES NOT WARRANT THAT THE ORACLE UNIVERSITY KNOWLEDGE CENTER SERVICE WILL BE PROVIDED UNINTERRUPTED OR ERROR-FREE.**

**Order Line:** is defined as the total number of order entry line items processed by the program during a 12 month period. Multiple order entry line items may be entered as part of an individual customer order or quote and may also be automatically generated by the Oracle Configurator. You may not exceed the licensed number of Order Lines during any 12 month period unless you acquire additional Order Line licenses from Oracle.

**Order Management User:** is defined as an individual authorized by you to use the applicable licensed application programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time. Order Management Users are allowed to manually enter orders directly into the programs but any orders entered electronically from other sources must be licensed separately.

**Orders:** is defined as the total number of distinct orders for all programs that are a part of Electronic Orders, entered electronically (not manually entered by licensed professional users) through EDI, XML or other electronic means including purchase orders transmitted from Oracle Purchasing, during a 12 month period. You may not exceed the licensed number of orders during any 12 month period.

**Partner Organization:** is defined as an external third party business entity that provides value-added services in developing, marketing and selling your products. Depending upon the type of industry, partner organizations play different roles and are recognized by different names such as reseller, distributor, agent, dealer or broker.

**Person:** is defined as your employee or contractor who is actively working on behalf of your organization or a former employee who has one or more benefit plans managed by the system or continues to be paid through the system. For Time and Labor, a person is defined as an employee or contractor whose time or labor (piece work) or absences are managed by the application. For Project Resource Management, a person is defined as an individual who is scheduled on a project. For Internet Time, a person is defined as an individual who is charging time to a project via the application. The total number of licenses needed is to be based on the peak number of part-time and full-time people whose records are recorded in the system.

**Ported Number:** is defined as the telephone number that end users retain as they change from one service provider to another. This telephone number originally resides on a telephone switch and is moved into the responsibility of another telephone switch.

**Processor:** shall be defined as all processors where the Oracle programs are installed and/or running. Programs licensed on processor basis may be accessed by your internal users (including agents and contractors) and by your third party

users. For the purposes of counting the number of processors which require licensing for a Sun UltraSPARC T1 processor with 4, 6 or 8 cores at 1.0 gigahertz or 8 cores at 1.2 gigahertz for only those servers specified on the Sun Server Table which can be accessed at <http://oracle.com/contracts>, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .25. For the purposes of counting the number of processors which require licensing for AMD and Intel multicore chips, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .50. For the purposes of counting the number of processors which require licensing for all hardware platforms not otherwise specified in this section, a multicore chip with "n" cores shall be determined by multiplying "n" cores by a core processor licensing factor of .75. All cores on all multicore chips for each licensed program for each core processor licensing factor listed above are to be aggregated before multiplying by the appropriate core processor licensing factor and all fractions of a number are to be rounded up to the next whole number. When licensing Oracle programs with Standard Edition One or Standard Edition in the product name, a processor is counted equivalent to a socket.

For example, a Sun UltraSPARC T1 based server installed and/or running the program (other than Standard Edition One programs or Standard Edition programs) on 6 cores would require 2 processor licenses (6 multiplied by a core processor licensing factor of .25 equals 1.50 which is then rounded up to the next whole number which is 2). An Intel or AMD based server installed and/or running the program (other than Standard Edition One programs or Standard Edition programs) on 7 cores would require 4 processor licenses (7 multiplied by a core processor licensing factor of .50 equals 3.50 which is then rounded up to the next whole number which is 4). Two multicore servers, for hardware platforms not specified above, installed and/or running the program on 10 cores would require 8 processor licenses (10 multiplied by a core processor licensing factor of .75 equals 7.50 which is then rounded up to the next whole number which is 8).

For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plugin for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the processors on which the third party program that is being managed/monitored are running are counted for the purpose of determining the number of licenses required.

For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft Enterprise, all processors on which the middleware and/or database software that support the respective application program are running are counted for the purpose of determining the number of licenses required.

For the Healthcare Transaction Base program, only the processors on which Internet Application Server Enterprise Edition and this program are installed and/or running are counted for the purpose of determining the number of licenses required. For the iSupport, iStore and Configurator programs, only the processors on which Internet Application Server (Standard Edition and/or Enterprise Edition) and the licensed program are running are counted for the purpose of determining the number of licenses required for the licensed program; under these licenses you may also install and/or run the licensed program on the processors where a licensed Oracle Database (Standard Edition and/or Enterprise Edition) is installed and/or running. With respect to the Customer Data Hub program, in determining the number of licenses required, only processors on which both Oracle Database Enterprise Edition and the Customer Data Hub program are running in production shall be counted.

For the purposes of the following program: Data Integrator - Target Database, each processor on which the data warehouse, data mart or target database is running are counted for the purpose of determining the number of Target Database licenses required.

For the purposes of the following program: Data Integrator - Source Database, each processor on which the source database is running are counted for the purpose of determining the number of Source Database licenses required.

**Program Documentation:** is defined as the program user manual and program installation manuals.

**\$M in Revenue:** is defined as one million U.S. dollars in all income (interest income and non interest income) before adjustments for expenses and taxes generated by you during a fiscal year.

**Record:** The Customer Hub B2B is a bundle that includes two components, Siebel Universal Customer Master B2B and Oracle Customer Data Hub. For the purposes of the Customer Hub B2B application, record is defined as the total number of unique customer database records stored in the Customer Hub B2B application (i.e., stored in a component of Customer Hub B2B). A customer database record is a unique business entity or company record, which is stored as an account for the Siebel Universal Customer Master B2B product or as an organization for the Oracle Customer Data Hub product.

The Customer Hub B2C is a bundle that includes two components, Siebel Universal Customer Master B2C and Oracle Customer Data Hub. For the purposes of the Customer Hub B2C application, record is defined as the total number of unique customer database records stored in the Customer Hub B2C application (i.e., stored in a component of Customer

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Hub B2C). A customer database record is a unique consumer (i.e., physical person) record, which is stored as a contact for the Siebel Universal Customer Master product or as a person for the Oracle Customer Data Hub product.

The Product Hub is a bundle that includes two components, Siebel Universal Product Master and Oracle Product Information Management Data Hub. For the purposes of the Product Hub application, record is defined as the total number of unique product database records stored in the Product Hub application (i.e., stored in a component of Product Hub). A product database record is a unique product component or SKU stored in the MTL\_SYSTEM\_ITEMS table with an active or inactive status and does not include any instance items (i.e. \*-star items) or organization assignments of the same item.

For the purposes of the Case Hub program a record is defined as the total number of unique case database records that may be stored in the Case Hub application.. A case database record is a unique request or issue requiring investigation or service stored in S\_CASE table with an active or inactive status.

For all programs licensed as record, please see the application licensing prerequisites as specified in the Applications Licensing Table which may be accessed at <http://oracle.com/contracts> for the grant and restrictions of the underlying Oracle technology.

**RosettaNet Partner Interface Processes® (PIPs®):** are defined as business processes between trading partners. Preconfigured system-to-system XML-based dialogs for the relevant E-Business Suite Application(s) are provided. Each preconfigured PIP includes a business document with the vocabulary and a business process with the choreography of the message dialog.

**Service Order Line:** is defined as the total number of service order entry line items processed by the program during a 12 month period. Multiple service order entry line items may be entered as part of an individual customer service order or quote. You may not exceed the licensed number of Service Order Lines during any 12 month period unless you acquire additional Service Order Line licenses from Oracle.

**Subscriber:** is defined as (a) a working telephone number for all wireline devices; (b) a portable handset or paging device that has been activated by you for wireless communications and paging; (c) a residential drop or a nonresidential device serviced by a cable provider; or (d) a live connected utility meter. The total number of Subscribers is equal to the aggregate of all types of Subscribers. If your business is not defined in the primary definition of Subscriber above, Subscriber is defined as each U.S. \$1,000 increment of your gross annual revenue as reported to the SEC in your annual report or the equivalent accounting or reporting document.

**Suite:** is defined as all the functional software components described in the product documentation.

**Tape Drive:** is defined as mechanical devices used to sequentially write, read and restore data from magnetic tape media. Typically used, but not limited to, data protection and archival purposes, tape drives are deployed either as a standalone unit(s) or housed within a robotic tape library. Examples of tape drive include but are not limited to, Linear Tape Open (LTO), Digital Linear Tape (DLT), Advanced Intelligent Type (AIT), Quarter-Inch Cartridge (QIC), Digital Audio Tape (DAT), and 8mm Helical Scan.

#### **Technical Reference Manuals**

Technical Reference Manuals ("TRMs") are Oracle's confidential information. You shall use the TRMs solely for your internal data processing operations for purposes of: (a) implementing applications programs, (b) interfacing other software and hardware systems to the applications programs and (c) building extensions to applications programs. You shall not disclose, use or permit the disclosure or use by others of the TRMs for any other purpose. You shall not use the TRMs to create software that performs the same or similar functions as any of Oracle products. You agree: (a) to exercise either at least the same degree of care to safeguard the confidentiality of the TRMs as you exercise to safeguard the confidentiality of your own most important confidential information or a reasonable degree of care, whichever is greater; (b) to maintain agreements with your employees and agents that protect the confidentiality and proprietary rights of the confidential information of third parties such as Oracle and instruct your employees and agents of these requirements for the TRMs; (c) restrict disclosure of the TRMs to those of your employees and agents who have a "need to know" consistent with the purposes for which such TRMs were disclosed; (d) maintain the TRMs at all times on your premises; and (e) not to remove or destroy any proprietary or confidential legends or markings placed upon the TRMs. Oracle shall retain all title, copyright and other proprietary rights in the TRMs. TRMs are provided to you "as-is" without any warranty of any kind. Upon termination, you shall cease using, and shall return or destroy, all copies of the applicable TRMs.

#### **Technical Support**

For purposes of the ordering document, technical support consists of annual technical support services you may have ordered for the supportable programs. The term supportable programs refers to those programs for which Oracle offers annual technical support services, including third party programs specifically designated on the order as supportable programs. If ordered, annual technical support (including first year and all subsequent years) is provided under Oracle's

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technical support policies in effect at the time the services are provided. The technical support policies, incorporated in this agreement, are subject to change at Oracle's discretion; however, Oracle will not materially reduce the level of services provided for supported programs during the period for which fees for technical support have been paid. You should review the policies prior to entering into the ordering document for the applicable services. You may access the current version of the technical support policies at <http://oracle.com/contracts>.

Technical support is effective upon the effective date of the ordering document unless otherwise stated in your order. If your order was placed through the Oracle Store, the effective date is the date your order was accepted by Oracle. Software Update License & Support (or any successor technical support offering to Software Update License & Support, "SULS") acquired with your order may be renewed annually and, if you renew SULS for the same number of licenses for the same programs, for the first and second renewal years the fee for SULS, will not increase by more than 4% over the prior year's fees. There is no cap on fee increases for SULS for third party programs; unless otherwise provided in your order, the SULS fee for third party programs that are identified as supportable programs licensed pursuant to an ordering document will equal the fee in effect at the time SULS is renewed. If your order is fulfilled by a member of Oracle's partner program, the fee for SULS for the first renewal year will be the price quoted to you by your partner; the fee for SULS for the second renewal year will not increase by more than 4% over the prior year's fees. There is no cap on fee increases for SULS for third party programs; unless otherwise provided in your order, the SULS fee for third party programs that are identified as supportable programs licensed pursuant to an ordering document will equal the fee in effect at the time SULS is renewed.

If you decide to purchase technical support for any license within a license set, you are required to purchase technical support at the same level for all licenses within that license set. You may desupport a subset of licenses in a license set only if you agree to terminate that subset of licenses. The technical support fees for the remaining licenses will be priced in accordance with the technical support policies in effect at the time of termination. Oracle's license set definition is available in the current technical support policies. If you decide not to purchase technical support, you may not update any unsupported program licenses with new versions of the program.

**Terabyte:** is defined as a terabyte of computer storage space used by a storage filer equal to one trillion bytes.

**Test:** is defined as each unit of interaction with a software or hardware interface for which the total time elapsed between the initiation of communication and the completion of the resulting response is measured. A test may run on it's own or be set up in conjunction with additional tests so that there are multiple units of interaction. Each unit of interaction must be counted as a Test ; execution of a test or set of tests multiple times does not require additional tests. Examples of tests include but are not limited to, an http-get for a URL, icmp-echo for an IP address and sql-execute for a database.

**Trainee:** is defined as an employee, contractor, student or other person who is being recorded by the program.

**UPK Developer:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. UPK Developers may create, modify, view and interact with simulations and documentation.

**UPK Employee:** is defined as an active employee of yours. (note: The value of these applications is determined by the size of the active employee population and not the number of actual users. Therefore, all of your active employees must be included in your order when licensing these applications). UPK Employees may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**UPK User:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. UPK Users may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**Warehouse Builder Connector:** is defined as a software product that connects an Oracle database where the Oracle Warehouse Builder code is deployed, to an external product (e.g., SAP). A unique connector is required for each distinct external product for which the Oracle database is required to interface.

**Workstation:** is defined as the client computer from which the programs are being accessed, regardless of where the program is installed.

### **Term Designation**

If your program license does not specify a term, the program license is perpetual and shall continue unless terminated as otherwise provided in the agreement.

**1, 2, 3, 4, 5 Year Terms:** A program license specifying a 1, 2, 3, 4 or 5 Year Term shall commence on the effective date of the order and shall continue for the specified period. At the end of the specified period the program license shall terminate.

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**1 Year Hosting Term:** A program license specifying a 1 Year Hosting Term shall commence on the effective date of the order and shall continue for a period of 1 year. At the end of the 1 year the program license shall terminate. A program license specifying a 1 Year Hosting Term may only be used for providing internet hosting services.

**1 Year Oracle Hosted Term:** A program license specifying a 1 Year Oracle Hosted Term shall commence on the effective date of the order and shall continue for a period of 1 year. At the end of the 1 year the program license shall terminate. A program license specifying a 1 Year Oracle Hosted Term must be hosted by Oracle.com via Computer and Administration services.

**1 Year Subscription:** A program license specifying a 1 Year Subscription shall commence on the effective date of the order and shall continue for a period of 1 year. At the end of the 1 year the program license shall terminate.

**Licensing Rules**

**Failover:** Your license for the following programs, Oracle Database (Enterprise Edition, Standard Edition or Standard Edition One), Oracle Database Enterprise Edition Options, Oracle Internet Application Server (Enterprise Edition, Standard Edition, Standard Edition One or Java Edition) and Oracle Internet Application Server Options, includes the right to run the licensed program(s) on an unlicensed spare computer in a failover environment for up to a total of ten separate days in any given calendar year. Any use beyond the right granted in the previous sentence must be licensed separately and the same license metric must be used when licensing the program(s).

**Testing:** For the purpose of testing physical copies of backups, your license for the Oracle Database (Enterprise Edition, Standard Edition or Standard Edition One) includes the right to run the database on an unlicensed computer for up to four times, not exceeding 2 days per testing, in any given calendar year. You are responsible for ensuring that the following restrictions are not violated:

- Oracle Database Standard Edition can only be licensed on servers that have a maximum capacity of 4 sockets. Additionally, it may be licensed on a single cluster of servers supporting up to a maximum number of 4 sockets.
- Oracle Standard Edition One, Internet Application Server Standard Edition One and Portal Standard Edition One can only be licensed on servers that have a maximum capacity of 2 sockets.
- Business Intelligence Standard Edition One can only be licensed on servers that have the ability to run a maximum of 2 sockets. The data sources for BI Server and BI Publisher are limited to the included Oracle Standard Edition One, one other database, and any number of flat file sources such as CSV, and XLS.
- The number of TRACE licenses (Rdb Server Option) must match the number of licenses of the associated database.
- The number of Diagnostics Pack and /or Configuration Management Pack licenses must match the number of licenses of the associated Internet Application Server program (Enterprise Edition, Standard Edition, Standard Edition One or Java Edition).
- The number of Service Registry licenses must match the number of licenses of the associated Internet Application Server program (Java Edition, Standard Edition One or Standard Edition).
- The number of Bpel Process Manager Option, Business Activity Monitoring, XML Publisher, Service Registry and SOA Suite for Oracle Middleware licenses must match the number of licenses of the associated Internet Application Server Enterprise Edition program.
- The number of Interactive Dashboard, Delivers, Answers, Office Plug-in and Reporting and Publishing licenses must match the number of licenses of the associated Business Intelligence Server Enterprise Edition program.
- The number of Business Intelligence Server Enterprise license options must match the number of licenses of the associated Business Intelligence Server Enterprise Edition program. The number of Business Intelligence applications observer licenses of the associated Usage Accelerator Analytics program must match the number of licenses of the associated transactional CRM Sales application program.
- The number of Business Intelligence applications observer licenses of the associated Human Resources Compensation Analytics program must match the total number of employees and contractors in your organization.
- Decision Connector for Call Center must be licensed for each call center agent receiving decisions from the Oracle Real-Time Decision Server program.
- Decision Connector for Web must be licensed for each web server Processor receiving decisions from the Oracle Real-Time Decision Server program.
- The number of Intelligent Offer Generation for Call Center Agent licenses must match the number of licenses of the Decision Connector for Call Center program.
- Informatica OEM PowerCenter ETL Server may not be used on a standalone basis or as a standalone ETL tool. The Informatica OEM Power Center ETL Server may be used with any data source provided the target(s) are: (i) the Oracle Business Intelligence applications programs, (ii) the underlying platforms on which the Oracle Business Intelligence Suite Enterprise Edition program or associated components run, or (iii) a staging database for any of the foregoing. Informatica OEM Power Center ETL Server may also be used where the Oracle Business Intelligence applications programs are the source and non-Oracle Business Intelligence application

programs are the target, provided, that users do not use Informatica OEM PowerCenter ETL Server to transform the data.

- When you purchase a license for the Data Warehouse Business Adapter program you must have the appropriate licenses for each operational application used as a source (e.g., Oracle, SAP, PeopleSoft, Siebel). A license to the Data Warehouse Adapter program does not provide a license or the right to use the operational applications, a license to the Data Warehouse Adapter program provides only a connector to them.
- Application licensing prerequisites as specified in the Applications Licensing Table which may be accessed at <http://oracle.com/contracts>.
- For the TimesTen In-Memory Database, Replication - TimesTen to TimesTen and Cache Connect to Oracle programs, the number of gigabytes (GB) specified in the program name is the maximum size of data store (aggregate of in-memory databases or caches on a single computer system or node in a cluster of servers) irrespective of the number of processors licensed. You may not exceed the specified GB data store limitation unless you acquire additional licenses from Oracle. If you purchase Named User Plus licenses for the programs listed below, you must maintain the following user minimums and user maximums:

<u>Program</u>	<u>Named User Plus Minimum</u>
Oracle Database Enterprise Edition	25 Named Users Plus per Processor
Rdb Enterprise Edition	25 Named Users Plus per Processor
CODASYL DBMS	25 Named Users Plus per Processor
TopLink and Application Development Framework	10 Named Users Plus per Processor
Internet Application Server Java Edition	10 Named Users Plus per Processor*
Internet Application Server Standard Edition	10 Named Users Plus per Processor*
Internet Application Server Enterprise Edition	10 Named Users Plus per Processor*
BPEL Process Manager	10 Named Users Plus per Processor
Portal	10 Named Users Plus per Processor
Integration	10 Named Users Plus per Processor
Business Intelligence	10 Named Users Plus per Processor
Forms and Reports	10 Named Users Plus per Processor
Web Services Manager	10 Named Users Plus per Processor
XML Publisher	10 Named Users Plus per Processor
Virtual Directory	10 Named Users Plus per Processor
SOA Suite for Non Oracle Middleware	10 Named Users Plus per Processor
Business Activity Monitoring for Non Oracle Middleware	10 Named Users Plus per Processor
Fusion Middleware for PeopleSoft	10 Named Users Plus per Processor
Fusion Middleware for SAP	10 Named Users Plus per Processor
Business Intelligence Standard Edition	10 Named Users Plus per Processor
Business Intelligence Standard Edition One	5 Named Users Plus per Processor

***\*The Named User Plus Minimum does not apply if the program is installed on a one processor machine that allows for a maximum of one user per program.***

<u>Program</u>	<u>Named User Plus Maximum</u>
Personal Edition	1 Named User Plus per database
Business Intelligence Standard Edition One	50 Named Users Plus Per Processor

The number of licenses for the programs listed below must match the number of licenses of the associated database and if you purchase Named User Plus licenses for these programs, you must maintain, at a minimum, 25 Named Users Plus per Processor per associated database:

Real Application Clusters, Partitioning, OLAP, Data Mining, Spatial, Advanced Security, Label Security, Database Vault, Warehouse Builder Enterprise ETL, Warehouse Builder Data Quality, Diagnostics Pack, Tuning Pack, Change Management Pack, Configuration Management Pack and Provisioning Pack for DB.

The effective date of this agreement shall be \_\_\_\_\_, 200X.

**Company Name:** \_\_\_\_\_ **Oracle USA, INC.**

Authorized  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Signature Date: \_\_\_\_\_

Authorized  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Signature Date: \_\_\_\_\_

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## Appendix 10

### GLOSSARY

To fully understand a license grant, an ordering activity should review the definition for the licensing metric and term designation as well as the licensing rules, which are listed below.

**Adapter:** is defined as each software code interface, installed on each Oracle Internet Application Server Enterprise Edition, which facilitates communication of information between each version of a third party software application or system and Oracle Programs.

**\$M Annual Transaction Volume:** is defined as one million U.S. dollars in all purchase orders transacted and all auctions conducted through the Oracle Exchange Marketplace by ordering activity and others during the applicable year of the Oracle Exchange Marketplace license, regardless of whether any such auction results in a purchase order, provided that an auction resulting in a purchase order shall only be counted against the Annual Transaction Volume once.

**Applications National Language Support (NLS) Supplement Media Packs:**

Please be advised that only a subset of the products included on an Applications NLS Supplement Media Pack have been translated. For existing supported ordering activities, MetaLink has information on which products have been translated for the supported languages (<http://metalink.oracle.com>). For new or unsupported ordering activities, please contact your Oracle Account Manager for this information.

**Application User, Enterprise Asset Management (EAM) User, Field Sales User, Financials User, Inventory/Shipping User, Marketing User, Manufacturing User, Purchasing User, Telesales User,:** is defined as an individual authorized by ordering activity to use the applicable licensed application Programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the Programs at any given time. If ordering activity licenses the Self Service Work Request option in conjunction with EAM, ordering activity is required to maintain licenses for the equivalent number of EAM Users licensed and ordering activity is granted unlimited access to initiate work requests, view work request status and view scheduled completion dates for ordering activity's entire employee population.

**Application Read-Only User:** is defined as an individual authorized by ordering activity to run only queries or reports against the application program for which ordering activity has also acquired non read-only licenses.

**Beacon:** is defined as each target that is deployed and managed by the program that measures the response time of remote software or hardware interfaces by communicating with those interfaces over protocols, api's or programmatic interactions and measuring the total time elapsed between the initiation of communication and completion of the associated response from the remote interface.

**Case Report Form (CRF) Page:** is defined as the "electronic equivalent" of what would be the total number of physical paper pages initiated remotely by the Program (measured explicitly in the Program as Received Data Collection Instruments) during a 12-month period. Ordering activity may not exceed the licensed number of CRF Pages during any 12-month period unless ordering activity acquires additional CRF Page licenses from Oracle.

**Collaboration Program User:** is defined as an individual authorized by ordering activity to use the Programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the Programs at any given time. For the purposes of counting and licensing the number of Real Time Collaboration users, a Collaboration Program User within ordering activity's company is defined as a user able to initiate, or host, a web conference and also participate in a web conference; all participants in the web conference external to ordering activity's company and attending a web conference are not required to be licensed.

**Compensated Individual:** is defined as an individual whose compensation or compensation calculations are generated by the Programs. The term Compensated Individual includes, but is not limited to, ordering activity employees, contractors, retirees, and any other Person.

**Computer:** is defined as the computer on which the Programs are installed. A Computer license allows ordering activity to use the licensed Program on a single specified computer.

**Connector:** is defined as each connector connecting the software product with an external product. A unique

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connector is required for each distinct product that the software product is required to interface.

**\$M Cost of Goods Sold:** is defined as one million U.S. dollars in the total cost of inventory that a company has sold during their fiscal year. If Cost of Goods Sold is unknown to ordering activity then Cost of Goods Sold shall be equal to 75% of total company revenue.

**Electronic Order Line:** is defined as the total number of distinct order lines entered electronically into the Oracle Order Management application from any source (not manually entered by licensed Order Management Users, Professional Users 2003 or Professional Users 2003 - External) during a 12-month period. This includes order lines originating as external EDI/XML transactions and/or sourced from other Oracle and non-Oracle applications. Ordering activity may not exceed the licensed number of order lines during any 12-month period.

**Employee:** is defined as all of ordering activity's full-time, part-time, temporary employees and all of ordering activity's agents, contractors and consultants. The quantity of the licenses required is determined by the number of Employees and not the actual number of users. In the event that ordering activity elects to outsource any business function(s), all of the full-time, part-time, temporary employees and agents, contractors and consultants of the company providing the outsourcing services must be counted for the purposes of determining the number of Employees.

**Employee User:** is defined as an individual authorized by ordering activity to use the Programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the Programs at any given time.

**Expense Report:** is defined as the total number of expense reports processed by Internet Expenses during a 12-month period. Ordering activity may not exceed the licensed number of expense reports during any 12-month period.

**Federated Link:** is defined as a one-to-one pairing between a source domain and a destination domain. A source domain is the point of origin for a request. A destination domain contains the resource that users from source domains want to access. One source domain might have many pairings with different destination domains and one destination domain might have many pairings with different source domains. Each and every pairing is a federated link.

**Field Technician:** is defined as an engineer, technician, representative, or other person who is dispatched by ordering activity, including the dispatchers, to the field using the Programs.

**Freight under Management (FUM):** is defined as one million US Dollars of the total transportation value of tendered orders in USD for all shipments for a given calendar year during the term of the license. FUM shall include the combined total of actual freight purchased by ordering activity, plus the cost of freight for shipments managed by ordering activity (e.g., ordering activity is not purchasing transportation services on behalf of ordering activity's clients but is providing transportation management services for ordering activity's clients). Freight that is paid by a third party shall also be included in the FUM total (e.g., inbound shipments from suppliers to ordering activity with freight terms of prepaid).

**Full Time Equivalent (FTE) Student:** is defined as any full-time student enrolled in ordering activity's institution and any part-time student enrolled in ordering activity's institution counts as 25% of an FTE Student. The definition of "full-time" and "part-time" is based on ordering activity's policies for student classification. If the number of FTE Students is a fraction, that number will be rounded to the nearest whole number for purposes of license quantity requirements.

**Implementation Services, Packaged Methods, Architecture Services, Accelerator Services, Assessment Services and Workshops**

Each Implementation Service, Packaged Method, Architecture Service, Accelerator Service, Assessment Service and Workshop is provided subject to the statement of obligation for that particular offering and Oracle's consulting services policies. Oracle's consulting services policies may be accessed at: <http://oracle.com/contracts>, and are

subject to change.

**1K Invoice Line:** is defined as one thousand invoice line items processed by the Program during a 12 month period. Ordering activity may not exceed the licensed number of Invoice Lines during any 12-month period unless ordering activity acquires additional Invoice Line licenses from Oracle.

**\$M in Managed Assets:** is defined as one million U.S. dollars of the following total: (1) Book value of investment in capital leases, direct financing leases and other finance leases, including residuals, whether owned or managed for

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others, active on the Program, plus (2) Book value of assets on operating leases, whether owned or managed for others, active on the Program, plus (3) Book value of loans, notes, conditional sales contracts and other receivables, owned or managed for others, active on the Program, plus (4) Book value of non earning assets, owned or managed for others, which were previously leased and active on the Program, including assets from term terminated leases and repossessed assets, plus (5) Original cost of assets underlying leases and loans, originated and active on the Program, then sold within the previous 12 months.

**Membership:** is defined as an individual authorized by ordering activity to access the hosted service, regardless of whether the individual is accessing the hosted service at any given time.

**Module:** is defined as each production database running the Programs.

**Named User Plus:** is defined as an individual authorized by ordering activity to use the Programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the Programs at any given time. A non-human operated device will be counted as a named user plus in addition to all individuals authorized to use the Programs, if such devices can access the Programs. If multiplexing hardware or software (e.g., a TP monitor or a web server product) is used, this number must be measured at the multiplexing front end. Automated batching of data from computer to computer is permitted. Ordering activity is responsible for ensuring that the named user plus per processor minimums are maintained for the Programs contained in the user minimum table in the licensing rules section; the minimums table provides for the minimum number of named users plus required and all actual users must be licensed.

For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plug-in for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the users of the third party program that is being managed/monitored are counted for the purpose of determining the number of licenses required.

For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft Enterprise, all users of the middleware and/or database software that support the respective application program are counted for the purpose of determining the number of licenses required.

**Network Device:** is defined as the hardware and/or software whose primary purpose is to route and control communications between computers or computer networks. Examples of network devices include but are not limited to, routers, firewalls and network load balancers.

**Non Employee User - External:** is defined as an individual, who is not ordering activity's employee, contractor or outsourcer, authorized by ordering activity to use the application Programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the Programs at any given time.

**Oracle Finance Division Contract:** is a contract between ordering activity and Oracle (or one of Oracle's affiliates) that provides for payments over time of some or all of the sums due under ordering activity's order.

**Order Line:** is defined as the total number of order entry line items processed by the Program during a 12-month period. Multiple order entry line items may be entered as part of an individual customer order or quote, and may also be automatically generated by the Oracle Configurator. Ordering activity may not exceed the licensed number of Order Lines during any 12-month period unless ordering activity acquires additional Order Line licenses from Oracle.

**Order Management User:** is defined as an individual authorized by ordering activity to use the applicable licensed application Programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the Programs at any given time. Order Management Users are allowed to manually enter orders directly into the Programs but any orders entered electronically from other sources must be licensed separately.

**Orders:** is defined as the total number of distinct orders for all Programs that are a part of Electronic Orders, entered electronically (not manually entered by licensed professional users) through EDI, XML or other electronic means including purchase orders transmitted from Oracle Purchasing, during a 12-month period. Ordering activity may not exceed the licensed number of orders during any 12-month period.

**Partner Organization:** is defined as an external third party business entity that provides value-added services in marketing and selling ordering activity's products. Depending upon the type of industry, partner organizations play

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different roles and are recognized by different names such as reseller, distributor, agent, dealer or broker.

**Person:** is defined as ordering activity's employee or contractor who is actively working on behalf of ordering activity's organization or a former employee who has one or more benefit plans managed by the system or continues to be paid through the system. For Time and Labor, a person is defined as an employee or contractor whose time or labor (piece work) or absences are managed by the application. For Project Resource Management, a person is defined as an individual who is scheduled on a project. For Internet Time, a person is defined as an individual who is charging time to a project via the application. The total number of licenses needed is to be based on the peak number of part-time and full-time people whose records are recorded in the system.

**Ported Number:** is defined as the telephone number that end users retain as they change from one service provider to another. This telephone number originally resides on a telephone switch and is moved into the responsibility of another telephone switch.

**Processor:** shall be defined as all processors where the Oracle Programs are installed and/or running. Programs licensed on processor basis may be accessed by ordering activity's internal users (including agents and contractors) and by ordering activity's third party users. For the purposes of counting the number of processors which require licensing for a Sun UltraSPARC T1 processor with 4, 6 or 8 cores at 1.0 gigahertz or 8 cores at 1.2 gigahertz for only those servers specified on the Sun Server Table which can be accessed at <http://oracle.com/contracts>, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .25. For the purposes of counting the number of processors which require licensing for AMD and Intel multicore chips, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .50. For the purposes of counting the number of processors which require licensing for all hardware platforms not otherwise specified in this section, a multicore chip with "n" cores shall be determined by multiplying "n" cores by a core processor licensing factor of .75. All cores on all multicore chips for each licensed Program for each core processor licensing factor listed above are to be aggregated before multiplying by the appropriate core processor licensing factor and all fractions of a number are to be rounded up to the next whole number. Notwithstanding the above, when licensing Oracle Standard Edition One or Standard Edition Programs on servers with a maximum of 1 processor with 1 or 2 cores, only 1 processor shall be counted.

For example, a Sun UltraSPARC T1 based server installed and/or running the Program on 6 cores would require 2 processor licenses (6 multiplied by a core processor licensing factor of .25 equals 1.50 which is then rounded up to the next whole number which is 2). An Intel or AMD based server installed and/or running the Program on 7 cores would require 4 processor licenses (7 multiplied by a core processor licensing factor of .50 equals 3.50 which is then rounded up to the next whole number which is 4). Two multicore servers, for hardware platforms not specified above, installed and/or running the Program on 10 cores would require 8 processor licenses (10 multiplied by a core processor licensing factor of .75 equals 7.50 which is then rounded up to the next whole number which is 8).

For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plug-in for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the processors on which the third party program that is being managed/monitored are running are counted for the purpose of determining the number of licenses required.

For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft Enterprise, all processors on which the middleware and/or database software that support the respective application program are running are counted for the purpose of determining the number of licenses required.

For the Healthcare Transaction Base Program, only the processors on which Internet Application Server Enterprise Edition and this Program are installed and/or running are counted for the purpose of determining the number of licenses required. For the iSupport, iStore and Configurator Programs, only the processors on which Internet Application Server (Standard Edition and/or Enterprise Edition) and the licensed Program are running are counted for the purpose of determining the number of licenses required for the licensed Program; under these licenses ordering activity may also install and/or run the licensed Program on the processors where a licensed Oracle Database (Standard Edition and/or Enterprise Edition) is installed and/or running. With respect to the Customer Data Hub Program, in determining the number of licenses required, only processors on which both Oracle Database Enterprise Edition and the Customer Data Hub Program are running in production shall be counted.

**Professional User 2003:** is defined as an individual authorized by ordering activity to use the application Programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the Programs at any given time. Professional Users 2003 are allowed to manually enter orders directly into the Programs but any orders entered electronically into Order Management from other sources must be licensed separately.

**Professional User 2003 – External:** is defined as an individual, who is not ordering activity's employee, contractor or outsourcer, authorized by ordering activity to use the application Programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the Programs at any given time. Professional Users 2003 – External are allowed to manually enter orders directly into the Programs but any orders entered electronically from other sources must be licensed separately.

**Program Documentation:** is defined as the program user manual and program installation manuals.

**\$M in Revenue:** is defined as one million U.S. dollars in all income (interest income and non interest income) before adjustments for expenses and taxes generated by ordering activity during a fiscal year.

**RosettaNet Partner Interface Processes® (PIPs®):** are defined as business processes between trading partners. Preconfigured system-to-system XML-based dialogs for the relevant E-Business Suite Application(s) are provided. Each preconfigured PIP includes a business document with the vocabulary and a business process with the choreography of the message dialog.

**Service Order Line:** is defined as the total number of service order entry line items processed by the program during a 12 month period. Multiple service order entry line items may be entered as part of an individual customer service order or quote. Ordering activity may not exceed the licensed number of Service Order Lines during any 12-month period unless ordering activity acquires additional Service Order Line licenses from Oracle.

**Subscriber:** is defined as (a) a working telephone number for all wireline devices; (b) a portable handset or paging device that has been activated by ordering activity for wireless communications and paging; (c) a residential drop or a nonresidential device serviced by a cable provider; or (d) a live connected utility meter . The total number of Subscribers is equal to the aggregate of all types of Subscribers. If ordering activity's business is not defined in the primary definition of Subscriber above, Subscriber is defined as each U.S. \$1,000 increment of ordering activity's gross annual revenue as reported to the SEC in ordering activity's annual report or the equivalent accounting or reporting document.

**Suite:** is defined as all the functional software components described in the product documentation.

**Tape Drive:** is defined as mechanical devices used to sequentially write, read and restore data from magnetic tape media. Typically used, but not limited to, data protection and archival purposes, tape drives are deployed either as a standalone unit(s) or housed within a robotic tape library. Examples of tape drive include but are not limited to, Linear Tape Open (LTO), Digital Linear Tape (DLT), Advanced Intelligent Type (AIT), Quarter-Inch Cartridge (QIC), Digital Audio Tape (DAT), and 8mm Helical Scan.

#### **Technical Reference Manuals**

Technical Reference Manuals ("TRMs") are Oracle's confidential information. Ordering activity shall use the TRMs solely for ordering activity's internal data processing operations for purposes of: (a) implementing applications programs, (b) interfacing other software and hardware systems to the applications programs and (c) building extensions to applications programs. Ordering activity shall not disclose, use or permit the disclosure or use by others of the TRMs for any other purpose. Ordering activity shall not use the TRMs to create software that performs the same or similar functions as any of Oracle products. Ordering activity agrees: (a) to exercise either at least the same degree of care to safeguard the confidentiality of the TRMs as ordering activity exercises to safeguard the confidentiality of ordering activity's own most important confidential information or a reasonable degree of care, whichever is greater; (b) to maintain agreements with ordering activity's employees and agents that protect the confidentiality and proprietary rights of the confidential information of third parties such as Oracle and instruct ordering activity's employees and agents of these requirements for the TRMs; (c) restrict disclosure of the TRMs to those of ordering activity's employees and agents who have a "need to know" consistent with the purposes for which such TRMs were disclosed; (d) maintain the TRMs at all times on ordering activity's premises; and (e) not to remove or destroy any proprietary or confidential legends or markings placed upon the TRMs. Oracle shall retain all title, copyright and other proprietary rights in the TRMs. TRMs are provided to ordering activity "as-is" without any warranty of any kind. Upon termination, ordering activity shall cease using, and shall return or destroy, all copies of the applicable TRMs.

**Terabyte:** is defined as a terabyte of computer storage space used by a storage filer equal to one trillion bytes.

**Test:** is defined as each unit of interaction with a software or hardware interface for which the total time elapsed between the initiation of communication and the completion of the resulting response is measured. A test may run on it's own or be set up in conjunction with additional tests so that there are multiple units of interaction. Each unit of interaction must be counted as a Test ; execution of a test or set of tests multiple times does not require additional

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tests. Examples of tests include but are not limited to, an http-get for a URL, icmp-echo for an IP address and sqlxecute for a database.

**Third Party Programs:** are defined as Programs designated in an Ordering Document as Third Party Programs.

**Trainee:** is defined as an employee, contractor, student or other person who is being recorded by the program.

**Trial Programs:** are defined as additional Programs that may be included with ordering activity's order which ordering activity has not ordered but which ordering activity may use for trial purposes only. Ordering activity shall have 30 days from the delivery date to evaluate these Programs. Any use of these Programs after the 30 day trial period shall require ordering activity to obtain the applicable license. Programs licensed for trial purposes are provided "as is" and Oracle does not provide Technical Support or any warranties of any kind for these Programs.

**UPK Developer:** is defined as an individual authorized by ordering activity to use the Programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the Programs at any given time. UPK Developers may create, modify, view and interact with simulations and documentation.

**UPK User:** is defined as an individual authorized by ordering activity to use the Programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the Programs at any given time. UPK Users may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**UPK Employee:** is defined as an active employee of ordering activity's. (note: The value of these applications is determined by the size of the active employee population and not the number of actual users. Therefore, all of ordering activity's active employees must be included in ordering activity's order when licensing these applications). UPK Employees may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**Warehouse Builder Connector:** is defined as a software product that connects an Oracle database where the Oracle Warehouse Builder code is deployed, to an external product (e.g., SAP). A unique connector is required for each distinct external product for which the Oracle database is required to interface.

**Workstation:** is defined as the client computer from which the Programs are being accessed, regardless of where the Program is installed.

#### **Term Designation**

If ordering activity's Program license does not specify a term, the Program license is perpetual and shall continue unless terminated as otherwise provided in the agreement.

**1, 2, 3, 4, 5 Year Terms:** A Program license specifying a 1, 2, 3, 4 or 5 Year Term shall commence on the Effective Date of the order and shall continue for the specified period. If ordering activity's Program does not specify a term, the Program license is perpetual and shall continue unless terminated as otherwise provided in the Agreement.

**1 Year Subscription:** A Program license specifying a 1 Year Subscription shall commence on the Effective Date of the order and shall continue for a period of 1 year. At the end of the 1-year the program license shall terminate.

#### **Licensing Rules**

**Failover:** Ordering activity's license for the following programs, Oracle Database (Enterprise Edition, Standard Edition or Standard Edition One), Oracle Database Enterprise Edition Options, Oracle Internet Application Server (Enterprise Edition, Standard Edition, Standard Edition One or Java Edition) and Oracle Internet Application Server Options includes the right to run the Program(s) on an unlicensed spare computer in a failover environment for up to a total of ten separate days in any given calendar year. Any use beyond the right granted in the previous sentence must be licensed separately and the same license metric must be used when licensing the Program(s).

**Testing:** For the purpose of testing physical copies of backups, ordering activity's license for the Oracle Database (Enterprise Edition, Standard Edition or Standard Edition One) includes the right to run the database on an unlicensed computer for up to four times, not exceeding 2 days per testing, in any given calendar year.

**Primary Usage:** Each licensed user of the following Oracle applications is counted only once based on primary usage: Financials, Discrete Manufacturing, Process Manufacturing, Project Costing and Purchasing. Ordering activity must specify how many users ordering activity is licensing for each application. Primary Usage of one of

the applications listed above provides the licensed user with the right to use any or all of the other application Programs listed above for which ordering activity is licensed. This concept also applies to Application Read-Only Users. Each Application Read-Only User of any of the applications listed above has the right to use any or all of the other Application Programs listed above for which Customer has also acquired Application Read-Only User licenses. Primary Usage does not provide ordering activity with the right to use other application Programs including the extensions or options to the application Programs listed above.

Ordering activity is responsible for ensuring that the following restrictions are not violated:

- Oracle Database Standard Edition may only be used on servers that have the ability to run a maximum of 4 single-core processors. For multicore chips, the maximum number of cores per server is determined by multiplying the core processor licensing factors (as specified in the processor definition) by the number of cores. The result must be less than or equal to 4 and the total number of cores must be less than or equal to 8. Oracle Database Standard Edition may also be used on a single cluster of servers supporting up to a maximum of four single-core processors per cluster (2 2-way nodes, 4 1-way nodes or 1 1-way node and 1 3-way node). For multicore chips, the maximum number of cores per cluster is determined by multiplying the core processor licensing factors (as specified in the processor definition) by the number of cores. The result must be less than or equal to 4 and the total number of cores in the cluster must be less than or equal to 8.
- Oracle Standard Edition One and Internet Application Server Standard Edition One may only be used on servers that have the ability to run a maximum of 2 single-core processors. For multicore chips, the maximum number of cores per server is determined by multiplying the core processor licensing factors (as contained in the processor definition) by the number of cores. The result must be less than or equal to 2 and the total number of cores must be less than or equal to 4.
- The number of TRACE licenses (Rdb Server Option) must match the number of licenses of the associated database.
- The number of Diagnostics Pack and/or Configuration Management Pack licenses must match the number of licenses of the associated Internet Application Server Program (Enterprise Edition, Standard Edition, Standard Edition One or Java Edition ).
- The number of Service Registry licenses must match the number of licenses of the associated Internet Application Server Program (Java Edition, Standard Edition One or Standard Edition).
- The number of Bpel Process Manager Option, Business Activity Monitoring, XML Publisher, Service Registry and SOA Suite for Oracle Middleware licenses must match the number of licenses of the associated Internet Application Server Enterprise Edition Program.
- The number of Interactive Dashboard, Delivers, Answers, Office Plug-in and Reporting and Publishing licenses must match the number of licenses of the associated Business Intelligence Server Enterprise Edition Program.
- The number of Business Intelligence Server Enterprise license options must match the number of licenses of the associated Business Intelligence Server Enterprise Edition program.
- Application licensing prerequisites as specified in the Applications Licensing Table, which may be accessed at <http://oracle.com/contracts>.
- For the TimesTen In-Memory Database, Replication – TimesTen to TimesTen and Cache Connect to Oracle programs, the number of gigabytes (GB) specified in the program name is the maximum size of data store (aggregate of in-memory databases or caches on a single computer system or node in a cluster of servers) irrespective of the number of processors licensed. Ordering activity may not exceed the specified GB data store limitation unless ordering activity acquires additional licenses from Oracle.

If ordering activity purchases Named User Plus licenses for the Programs listed below, ordering activity must maintain the following user minimums and user maximums:

<b>Program</b>	<b>Named User Plus Minimum</b>
Oracle Database Enterprise Edition	25 Named Users Plus per Processor
RDB Enterprise Edition	25 Named Users Plus per Processor

CODASYL DBMS	25 Named Users Plus per Processor
Toplink and Application Development Framework	10 Named Users Plus per Processor
Internet Application Server Java Edition	10 Named Users Plus per Processor*
Internet Application Server Standard Edition	10 Named Users Plus per Processor*
Internet Application Server Enterprise Edition	10 Named Users Plus per Processor*
BPEL Process Manager	10 Named Users Plus per Processor
Portal	10 Named Users Plus per Processor
Integration	10 Named Users Plus per Processor
Business Intelligence	10 Named Users Plus per Processor
Forms and Reports	10 Named Users Plus per Processor
Web Services Manager	10 Named Users Plus per Processor
XML Publisher	10 Named Users Plus per Processor
Virtual Directory	10 Named Users Plus per Processor
SOA Suite for Non Oracle Middleware	10 Named Users Plus per Processor
Business Activity Monitoring for Non Oracle Middleware	10 Named Users Plus per Processor
Fusion Middleware for PeopleSoft	10 Named Users Plus per Processor
Fusion Middleware for SAP	10 Named Users Plus per Processor
Business Intelligence Standard Edition	10 Named Users Plus per Processor

\*The Named User Plus Minimum does not apply if the program is installed on a one-processor machine that allows for a maximum of one user per program.

Program Named	User Plus Maximum
Personal Edition	1 Named Users Plus per Database

**The number of licenses for the Programs listed below must match the number of licenses of the associated database and if the ordering activity purchases Named User Plus licenses for these Programs, ordering activity must maintain, at a minimum, 25 Named Users Plus per Processor per associated database:**

Real Application Clusters, Partitioning, OLAP, Data Mining, Spatial, Advanced Security, Label Security, Database Vault, Warehouse Builder Enterprise ETL, Warehouse Builder Data Quality, Diagnostics Pack, Tuning Pack, Change Management Pack, Configuration Management Pack

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## Appendix 11

### SOFTWARE LICENSES AND TECHNICAL SUPPORT PRICING AND LICENSING RULES

#### Software License Products

Oracle offers Software License and First Year Technical Support – (see Price Table – Appendix 13 for the specific Programs available under this GSA Schedule Pricelist):

Additional detail for individual products is available for information purposes at: <http://www.oracle.com/products/> or in Oracle's Software Investment Guide at: <http://www.oracle.com/corporate/pricing/> (for information purposes). Specialty Topics are provided at: <http://www.oracle.com/corporate/pricing/index.html?specialtopics.html> (for information purposes) and provide modular overviews of Oracle's licensing practices, relative to certain areas, such as Partitioning, Oracle Database Licensing and E-Business Suite 2003 Bundle pricing. The Specialty Topic documents provide additional information beyond the Software Investment Guide and are designed to help an ordering activity expand their knowledge of licensing in select areas.

#### Technical Support

##### Premier Support (“Software Update License & Support”)

Provides the Ordering Activity with maintenance and support for Oracle database, middleware, and application programs for five years from their general availability date. For each software license in the Premier Support phase of Oracle's product support lifecycle, Ordering Activities may order first year Technical Support, "Software Update License & Support". Software Update License & Support entitles the Ordering Activity to product updates as well as 24 x 7 phone support provided by Oracle Support and is the standard level for all Oracle support services. Other support options such as Extended Support, Sustaining Support, Incident Server Support Package, Jdeveloper Support and Premier Priority Service are not currently offered under this contract

Additional information concerning Oracle Technical Support is available at <http://www.oracle.com/support/policies.html>.

The price for Technical Support is the same whether the software license is perpetual or term. Technical Support is optional; however, back Technical Support fees or a reinstatement fee may be assessed if an ordering activity chooses to purchase Technical Support at a later date or allows Technical Support to lapse. Any applicable reinstatement fee is priced per the Technical Support policies in effect at the time of reinstatement. Oracle's pricing policy for reinstatement fees can be found in the Oracle Technical Support Policies located at <http://oracle.com/contracts>.

The price for Technical Support may increase from one year to the next; however, Technical Support acquired with an ordering activity's order is renewable annually. See Appendix 12 for pricing instructions.

Fees for technical support acquired, renewed, or reinstated under this Schedule Pricelist are due and payable monthly or quarterly in arrears, as stated in the relevant Ordering Document.

#### Six Additional Factors That Affect Price

In addition to selecting the products to license and the Technical Support option, six (6) additional factors affect the price of an Oracle Software License:

<u>Factor</u>	<u>Choices</u>
License Level	Perpetual or Term
License Type	Full Use
License Metrics	Various (e.g., Named User Plus, Processor, Application User)
Minimums	Specific to the product (e.g., (1000) Expense Reports for Internet Expenses, (100) Persons for Human Resources)
Prerequisites	Additional products with which there is a functional dependency
Primary Usage	Allows individuals licensed to use one application to also use other applications in a limited set for which the ordering activity has licenses

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## License Level

Many software licenses specify a limited time period, or term, during which the user is allowed to use the software. At the end of the term, the ordering activity must stop using the software unless new licenses are purchased or payment is made to extend the term of the license through an agreement with Oracle. A perpetual license allows the user to continue to use the software for as long as he continues to comply with the terms of the license agreement. Oracle offers perpetual licenses as well as one-year, two-year, three-year, four-year and five-year term licenses for all products, with the exception of Collaboration products, for which perpetual and one-year subscription licenses are offered.

## License Type

A license type determines how Oracle software can be used. The standard license type offered by Oracle, and the only license type available under the Schedule, is a Full Use license. A Full Use license allows the end user to use the software for development, testing, production, and fail-over use.

## License Metrics

A license metric determines how the usage is being measured when Oracle licenses its software to an ordering activity. An example of a current license metric is "Application User," which is defined as "an individual authorized by you to use the application programs, which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time." If an ordering activity purchases licenses for a program licensed on an Application User basis, then they will need to acquire licenses for every person they authorize to use the program. In many of the definitions, the term "installed" is used. Installed refers to the Oracle Media being used to create a database. During this state, background processes are not loaded into the memory of the server (the Oracle Database is not in "mount" or "run" state). License metrics are selected carefully to reflect the functionality the product offers and the value the ordering activity receives from utilizing that functionality. Accordingly, new license metrics may be created and old ones obsoleted as technology and software products evolve over time. The license metrics that are relevant to your configuration will be included and defined in the Ordering Document, and will remain in effect for the license granted in the Ordering Document throughout the term of that license. The license metrics available under this Schedule are listed in the Price Tables (see below) and definitions can be found in the Glossary at Appendix I.

Oracle's technology products are typically licensed using the two metrics described below:

### ***Named User Plus Metric***

This metric is used in environments where users can be identified and counted. Named User Plus includes both humans and non-human operated devices. All human users and non-human operated devices that are accessing the program must be licensed. A non-human operated device can be many things, like a temperature device. It is important to note that if the device is operated by a person, then this person must be licensed. For example, if a company has 400 employees who are operating 30 forklifts the 400 employees must be licensed because the forklift is not a "non-human operated device". A licensed Named User Plus may access the program on any instances where it is deployed, provided that the minimum on each server is met.

### ***Processor Metric***

This metric is mostly used in environments where the software users cannot be easily identified or counted, like in internet-based applications. The Processor metric is also used when it is more cost effective than Named User Plus licenses. All processors where the Oracle programs are installed and/or running must be licensed. If the server where the program is installed can be hardware-partitioned and the ordering activity can provide enough information to Oracle to confirm that only part of the server is being used by the Oracle program, then only the part that is being used must be licensed.

## Minimums

Minimums are used in conjunction with license metrics and refer to the minimum number of licenses an ordering activity is required to purchase and maintain when licensing Oracle products. Oracle uses license minimums to establish base values for our products, so minimums vary by product and license metric. For example, the minimum number of Processor licenses required when licensing Oracle Database Enterprise Edition is one, while the minimum number of Person licenses required when licensing Human Resources is 100. For some products (see Step 2 below), the minimum number of licenses an ordering activity is required to maintain remains in effect with the ordering activity's changing environment. For other products (see the price table), the minimum designates the minimum quantity for the initial purchase. For all Oracle products, the ordering activity is required to obtain licenses based on their actual software usage or Oracle's licensing minimums, whichever is greater. The applicable minimum for each software product can be found in the price table.

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To ensure that an ordering activity has accurately met the minimum requirements, they should consult the price tables in this appendix and the Licensing Rules section of Appendix 11, Glossary or review them with their Oracle Sales Representative.

#### Prerequisites/Components

Many Oracle products have functional interdependencies with other Oracle products. In some cases, prerequisite products are sold separately. An overview of the Oracle technology prerequisites for the E-Business Suite applications is provided in the Application Licensing Table at <http://www.oracle.com/corporate/pricing/index.html?pricelists.html> (for information purposes).

#### Primary Usage

Oracle recognizes that in a business environment, individuals sometimes will need limited access to applications products other than the applications they use regularly in carrying out their primary job functions. For example, an employee in the Finance Department who usually uses a general ledger application product may also need to view data maintained using an inventory application at month and quarter ends. Purchasing software licenses for all applications for all employees who need this type of limited access can be prohibitively expensive. To more accurately reflect the value the ordering activity receives from applications licenses, Oracle developed the "primary usage" concept. Within a limited set of Oracle applications products, primary usage allows individuals licensed to use one application (based on the application they use the most) to also use any other application in a limited set for which the ordering activity has licenses. The ordering activity's Oracle sales representative can advise as to which applications programs are eligible for primary usage rights.

#### **Delivery and Installation**

The software programs are delivered via two methods:

##### **eDelivery**

eDelivery is Oracle's method of delivering programs electronically via Electronic Product Distribution (EPD). EPD allows an ordering activity to access an Internet URL, provided by Oracle, whereby any Oracle product that is currently available to license can be downloaded by the ordering activity. The eDelivery web site URL as well as any relevant terms and conditions are specified in the Ordering Document.

##### **Media Packs**

A Media Pack contains DVDs and/or CD-ROMs for a suite of related products on a single operating system. Media Packs and the associated fees are set forth in Table 3 below. The required Media Packs and Media Pack fees for the Programs ordered and the relevant operating system(s) and the shipment location identified by the ordering activity are specified in the Ordering Document.

Currently, ordering activities are delivered programs by eDelivery AND Media packs.

Program documentation is either shipped with the programs, or the ordering activity may access the documentation online at <http://www.oracle.com/technology/documentation> (for information purposes).

Installation of the Programs is the responsibility of the ordering activity.

Additional Programs may be included on the Media Packs delivered with an order, which may be used for trial purposes only. For up to 30 days from the delivery date, the ordering activity may evaluate these Programs. Any use of these Programs after the 30 day trial period shall require the ordering activity to purchase the applicable license(s). Programs licensed for trial purposes are provided "as is" and Oracle does not provide technical support or any warranties of any kind for these Programs.

## PRICE TABLE

Oracle's pricing for Software licenses and first year Technical Support is presented in the table provided in Appendix 13. Prices are determined using the following steps.

### **STEP 1 - DETERMINE APPROPRIATE LICENSING UNIT(S) FROM THE TABLE – APPENDIX**

### **STEP 2 - DETERMINE MINIMUM LICENSE REQUIREMENTS AND APPLICABLE LICENSING RULES**

The licensing rules can be found in the Glossary in Appendix 10 above. Minimum purchase requirements are specified for each product in the price tables below.

#### Processor Calculation

When counting the number of processor licenses required, Oracle counts all the physical processors in a server where Oracle is installed and/or running. For the purposes of counting the number of processors which require licensing for a Sun UltraSPARC T1 processor with 4, 6 or 8 cores at 1.0 gigahertz or 8 cores at 1.2 gigahertz for only those servers specified on the Sun Server Table which can be accessed at <http://oracle.com/contracts>, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .25. For the purposes of counting the number of processors, which require licensing for AMD and Intel multicore chips, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .50. For the purposes of counting the number of processors which require licensing for all hardware platforms not otherwise specified in this section, a multicore chip with "n" cores shall be determined by multiplying "n" cores by a core processor licensing factor of .75. All cores on all multicore chips for each licensed program for each factor listed below are to be aggregated before multiplying by the appropriate core processor licensing factor and all fractions of a number are to be rounded up to the next whole number. Notwithstanding the above, when licensing Oracle Standard Edition One or Standard Edition programs on servers with a maximum of 1 processor with 1 or 2 cores, only 1 processor shall be counted.

Example #1: An ordering activity who wants to license the Database Enterprise Edition on a 4-way box will be required to license 4 Processors, unless the server is hardware partitioned. (Please refer to the Partitioning document for more information on this topic.)

Example #2: An ordering activity who wants to license the Database Enterprise Edition on a 4-way box with 1,000 users may prefer to use the Processor metric as it is more cost effective. 1,000 Named User Plus \* \$800 (\$800,000) is less cost effective than 4 processors \* \$40,000 (\$160,000). In this example, even though the ordering activity can count his users, it is more advantageous for him to obtain licenses by Processor.

Example #3: An ordering activity who wants to license the Database Enterprise Edition on a Sun UltraSPARC T1 based server installed and/or running the program on 6 cores would require 2 processor licenses (6 multiplied by a core processor licensing factor of .25 equals 1.50 which is then rounded up to the next whole number which is 2).

Example #4: An ordering activity who wants to license the Database Enterprise Edition on an Intel or AMD based server installed and/or running the program on 7 cores would require 4 processor licenses (7 multiplied by a core processor licensing factor of .50 equals 3.50 which is then rounded up to the next whole number which is 4).

Example #5: An ordering activity who wants to license the Database Enterprise Edition on two multicore servers, for hardware platforms not specified in examples 3 and 4 above, installed and/or running the program on 10 cores would require 8 processor licenses (10 multiplied by a core processor licensing factor of .75 equals 7.50 which is then rounded up to the next whole number which is 8).

Oracle Database Standard Edition can only be licensed on servers that have a maximum capacity of 4 single core processors. For multicore chips, the maximum number of cores per server is determined by multiplying the core processor licensing factors (as contained in the processor definition) by the number of cores. The result must be less than or equal to 4 and the total number of cores must be less than or equal to 8. Additionally, it may be licensed on

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a single cluster of servers supporting up to a maximum of four single-core processors per cluster (2 2-way nodes, 4 1-way nodes, and 1 1-way and 1 3-way). For multicore chips, the maximum number of cores per cluster is determined by multiplying the core processor licensing factors (as contained in the processor definition) by the number of cores. The result must be less than or equal to 4 and the total number of cores in the cluster must be less than or equal to 8.

Oracle Standard Edition One and Internet Application Server Standard Edition One may only be licensed on servers that have a maximum capacity of 2 single core processors. For multicore chips, the maximum number of cores per server is determined by multiplying the core processor licensing factors (as contained in the processor definition) by the number of cores. The result must be less than or equal to 2 and the total number of cores must be less than or equal to 4.

Example #1: A Sun Fire T2000 Server with one 1.2 GHz UltraSPARC T1 processor (with 8 cores) will require  $8 \times 0.25 = 2$  Processor licenses. This model is eligible for licensing Database Standard Edition. It is not eligible for licensing DB SE One as the total number of cores on this server exceeds the maximum permitted which is 4 for SE One.

Example #2: A Sun Fire T2000 Server with one 1.2 GHz UltraSPARC T1 processor (with 4 cores) will require  $4 \times 0.25 = 1$  Processor licenses. This model is eligible for licensing Database Standard Edition One, as the total number of cores in this server are 4 which is the maximum permissible for licensing SE One.

Example #3: A Dell PowerEdge 2850 with two dual-core Intel Xeon Processors will require  $2 \times 2 \times 0.5 = 2$  Processor licenses. This model is eligible for licensing Database Standard Edition One.

Example #4: An HP ProLiant DL145 G2 with two AMD Opteron 200 Series dual-core processors Model 280 will require  $2 \times 2 \times 0.5 = 2$  processor license. This model is eligible for licensing Database Standard Edition One.

#### Minimum Named User Plus Calculation (Processor Based)

While all individuals authorized to use the programs and all non-human operated devices that can access the programs are to be licensed, the required named user plus minimums as outlined in the licensing rules section of the Glossary at Appendix I as well as the price tables must be met. If an ordering activity is licensing by named user plus, follow the instructions below to calculate the minimum number of named user plus licenses required for the intended hardware configuration.

1. Determine the number of processors on each server where the programs are installed and/or running.
2. Add together the processors on each server.
3. Consult the licensing rules section of the Glossary at Appendix I as well as the price tables to determine the appropriate named user plus minimum licensing requirement
4. Multiply the total number of processors by the appropriate named user plus minimum licensing requirement.
5. The resultant number represents the minimum number of named user plus licenses required for this hardware Configuration.

Example: The ordering activity wants to license the Database Enterprise Edition for three computers each with two processors:

1. Number of processors on each server = 2
2. Total number of processors = 6 (3 computers x 2 processors = 6)
3. Named user plus minimum license requirement for the Database Enterprise Edition is 25 named user plus licenses per processor
4. Multiply the total number of processors by 25 (6 x 25 = 150)
5. For this hardware configuration containing 6 processors the minimum number of named user plus licenses required is 150.

Note: For certain Application Server programs the Named User minimum is waived if the program is installed on a one processor machine that allows for a maximum of one user per program. To ensure that the ordering activity have accurately met the minimum requirements, consult the PRICE TABLE or review them with your Oracle Sales representative.

**STEP 3 – DETERMINE THE DESIRED TERM DESIGNATION**

If an ordering activity's program license does not specify a term, the program license is perpetual and shall continue unless terminated as otherwise provided in the agreement.

**1, 2, 3, 4, 5 Year Terms:** A program license specifying a 1, 2, 3, 4 or 5 Year Term shall commence on the effective date of the order and shall continue for the specified period. At the end of the specified period the program license shall terminate.

**1 Year Subscription:** A program license specifying a 1 Year Subscription shall commence on the effective date of the order and shall continue for a period of 1 year. At the end of the 1-year the program license shall terminate.

**STEP 4 - DETERMINE THE APPROPRIATE PRICE(S) FOR THE CONTRACT ITEM(S)**

**GSA is afforded a 52% discount (further divided by .9925 to accommodate the Industrial Funding Fee) for Software Licenses and First Year Technical Support.**

See Appendix 12 for pricing to renew Technical Support.

The prices for License and First Year Technical Support in the Price Table of this Pricelist are net prices after application of the GSA Discount.

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## Appendix 12

### TECHNICAL SUPPORT RENEWALS AND REINSTATEMENT

This Appendix provides information concerning continuing Technical Support services (“Technical Support”) beyond the initial support period. This Appendix is a supplement to Oracle’s Technical Support Policies, and is intended to further explain the different factors that affect the price for renewing Technical Support.

Maintaining continuous Technical Support provides ordering activities with access to software updates to stay current on the latest technology, allows ordering activities to migrate and upgrade licenses to manage their software environment according to their current business needs, and gives ordering activities access to Oracle’s expert advice for installing, configuring and running Oracle software in myriad environments. Technical Support is renewable annually and the price is based on the support fees paid the prior year. The price may also increase from one year to the next. Renewing Technical Support services each year is optional; however, in the event that Technical Support lapses or was not originally purchased, back Technical Support fees or a reinstatement fee may be assessed in order to initiate Technical Support, in accordance with the Technical Support Policies in effect at the time of reinstatement.

Oracle’s Technical Support Policies at <http://www.oracle.com/support/policies.html> is the primary document used to communicate Oracle’s Technical Support Policies. However, notwithstanding the statements in the Technical Support Policies, fees for Technical Support acquired, renewed, or reinstated under this Schedule Pricelist are due and payable quarterly in arrears, as stated in the relevant Ordering Document.

The following topics are addressed below:

- Renewals
  - Oracle Program Licenses
  - Licenses under old Metals Support (Bronze or Silver)
  - Partner Sold Licenses
  - Licenses acquired via some other Federal contract
  - Migrated or Upgraded Licenses
- Ordering Activity Reduction of Licenses or Support Level
- Reinstatement

#### RENEWALS

Several factors affect the price of a Technical Support Renewal:

1. The fees paid the previous year
2. Whether the licenses were acquired directly from Oracle
3. Whether the licenses were acquired under Oracle’s GSA Schedule
4. The Contractual Cap Rate
5. The Inflationary Adjustment Rate

Renewing Technical Support can seem complex when viewed from the perspective of a single ordering activity and not every aspect of this Technical Support Renewals Appendix will apply to every ordering activity. When an ordering activity determines that it wants to renew its Technical Support, it should contact its Oracle Support Sales Representative to obtain a quotation. Technical Support Renewals are governed by this Schedule Pricelist and the Technical Support Policies in effect at the time of the Technical Support renewal.

The Technical Support Renewal price for all Oracle Program Licenses is the support price from the previous year increased by the current Inflationary Adjustment Rate in effect at the time of renewal. If the ordering activity’s contract or Ordering Document includes a current Contractual Cap Rate, then the Technical Support Renewal price is the support price from the previous year increased by the Inflationary Adjustment Rate in effect at the time of renewal. The Inflationary Adjustment Rate is then compared to the current Contractual Cap Rate in the contract or Ordering Document and the lower of the two rates is applied.

The Contractual Cap Rate currently is set on a per-country basis by Oracle once each fiscal year (approximately June 1) and is based on the annual rate of inflation for a country plus 200 basis points (or 2 percent). As of June 2006, the Contractual Cap Rate for the U.S. is 4%. The Contractual Cap Rate is documented in this Pricelist and in an ordering activity’s contract or Ordering Document, and for a specified time period limits the amount by which the Technical Support fees for the Oracle program licenses under that contract or Ordering Document may increase

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year-to-year. Currently, under Oracle's standard policies, the Contractual Cap Rate is valid for the first and second renewal years from the effective date of the applicable contract or Ordering Document.

The Inflationary Adjustment Rate is set on a global basis by Oracle once each fiscal year (approximately June 1) and is also a factor in establishing the renewal rate for all Technical Support Renewals of Oracle program licenses renewed in that year. Generally, the Inflationary Adjustment Rate is based on the global rate of inflation. As of June 2006, the global Inflationary Adjustment Rate is 3%.

The following examples of Technical Support Renewal Pricing illustrate Oracle's policies and the pricing applicable to this Pricelist:

Example #1:

- An ordering activity is renewing support on licenses purchased in the U.S. in 2004.
- The ordering activity's support renewal fee last year was \$100,000.
- Their Contractual Cap Rate (specified in the ordering activity's contract or Ordering Document) is 4% and is still in effect.
- The Inflationary Adjustment Rate for the U.S. contract is 3%.
- The 3% Inflationary Adjustment Rate is less than the 4% Contractual Cap Rate.
- The support renewal fee will be the support price from last year (\$100,000) + 3% for a total Support Renewal Fee of \$103,000.

Example #2:

- An ordering activity is renewing support on licenses purchased in the US in 1997.
- The ordering activity's support renewal fee last year was \$20,000.
- The ordering activity's Contractual Cap Rate has expired.
- The discount on the contract, per the support renewal quote, is 0%.
- The Inflationary Adjustment Rate for a contract with a 0% discount is 0%.
- The support renewal fee will be last year's price, \$20,000.

Example #3:

- An ordering activity is renewing support on licenses purchased in the U.S. in 2000.
- The ordering activity's contract includes a 7-year support ramp, of which the ordering activity is finishing the 5th year of the ramp. The contract specifies that the support price for the 6th year of the ramp is \$568,392.
- The Inflationary Adjustment Rate for the U.S. is 3%.
- Because the ordering activity has a valid support ramp in its contract, the adjustment does not apply, and the support renewal fee will be \$568,392.

Example #4:

- An ordering activity is renewing support on licenses purchased in the U.S. in 2002.
- The ordering activity's support renewal fee last year was \$500,000.
- The ordering activity's Contractual Cap Rate has expired.
- The Inflationary Adjustment Rate for the U.S. is 3%.
- The support renewal fee will be the support price from last year (\$500,000) + 3% for a total Support Renewal Fee of \$515,000.

### Renewals for Licenses under old Metals Support (Bronze or Silver)

Oracle no longer offers BRONZE or SILVER support. All Technical Support Renewal contracts reflecting BRONZE or SILVER support will be updated upon renewal to Oracle's current Technical Support offering, Software Update License & Support. The Technical Support Renewal price is based on the pricing methodology described above.

### Renewals for Partner Sold Licenses

While there are exceptions, in the U.S., Oracle's Partners, Value Added Distributors (VADs) and Partner Academic and VAD Academic organizations (collectively referred to as "Oracle Partners") may distribute only First Year Technical Support in conjunction with licenses. Thereafter, Oracle typically manages Technical Support Renewals directly with each ordering activity. Since Oracle will be transacting directly

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with ordering activities for the renewal of Technical Support, Oracle requires its Partners to provide ordering activities with a pricing commitment for the renewal of Technical Support, which may be ordered directly from Oracle. This pricing commitment normally is reflected in the initial License and First Year Technical Support order executed by the Partner and the ordering activity, and will be honored by Oracle for the first Technical Support renewal ordered under this Schedule Pricelist directly with Oracle. Generally, Technical Support Renewals for Partner sold licenses will be priced as follows:

1. If the Oracle Partner received a standard Partner discount, then the Technical Support Renewal pricing for a direct order with Oracle under the Schedule Pricelist will be based on the lesser of the GSA Schedule Pricelist price, the standard commercial Global Pricelist price (less the standard EBusiness discount) for First Year Technical Support, or any applicable contractual commitment for Technical Support Renewals for the relevant licenses.
2. If the Oracle Partner received a non-standard discount, then the Technical Support Renewal pricing for a direct order with Oracle will be based on the lesser of the GSA Schedule Pricelist price, the standard commercial Global Pricelist price for First Year Technical Support less a discount that is ten percent less than the discount the Oracle Partner received, or any applicable contractual commitment for Technical Support Renewals for the relevant licenses.

In both of the foregoing circumstances, neither the Local Renewal Adjustment nor the Inflationary Adjustment Rate applies in the first renewal year, but will apply in the subsequent renewal years. Please contact your Oracle Support Sales Representative to renew Technical Support for licenses purchased from an Oracle Partner.

#### Other Factors Impacting Technical Support Renewal Pricing

Technical Support Renewals shall be provided pursuant to these guidelines, as applicable, Oracle's commercial practices in effect at the time of the Technical Support Renewal, and any applicable contract terms. These guidelines, and the Technical Support Policies in effect at the time of the order, may not reflect all of the rules used by Oracle to price every possible Technical Support Renewal. Because this Schedule Pricelist accounts for matters such as industrial funding fee payments and net pricing terms that are peculiar to the Federal Supply Schedule program, the actual procedures and calculations may vary depending on the circumstances and any contractual obligation relating to the particular licenses for which Technical Support is being renewed. Therefore, every Technical Support Renewal is subject to the mutual agreement of Oracle and the ordering activity, and shall be reflected in a quotation and subsequent written order. Ordering activities should carefully review the quotation and consult their Oracle Support Sales Representative with any questions concerning a specific Technical Support Renewal.

#### **ORDERING ACTIVITY REDUCTION OF LICENSES OR SUPPORT LEVEL**

If an ordering activity decides to renew Technical Support for any license within a license set, the ordering activity is required to purchase Technical Support at the same level for all licenses within that license set. An ordering activity may desupport a subset of licenses in a license set only if the ordering activity agrees to terminate that subset of licenses. The Technical Support fees for the remaining licenses will be priced in accordance with the Technical Support Policies in effect at the time of termination. Oracle's license set definition is available in the current Technical Support Policies. If ordering activity decides not to purchase Technical Support, ordering activity may not update any unsupported program licenses with new versions of the program.

#### **REINSTATEMENT**

Technical Support is optional; however, back Technical Support fees or a reinstatement fee may be assessed if the ordering activity chooses to purchase Technical Support at a later date or allows Technical Support to lapse. Any applicable reinstatement fee is priced per the Technical Support policies in effect at the time of reinstatement. Oracle's pricing policy for reinstatement fees can be found in the Oracle Technical Support Policies located at <http://www.oracle.com/support/policies.html>.

**Appendix 13**

**ORACLE TECHNOLOGY PRICE LIST**

**FOLLOWING THE PRICING STEPS OUTLINED IN APPENDIX 11**

**FOR ADDITIONAL PRICING AND ORDERING ASSISTANCE:**

**Ordering activities are encouraged to contact GDIT at 1-800-480-9897.**

**Oracle Database**

	Named User Plus	GSA Price	Software Update License & Support	GSA Price	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>Database Products</b>								
<b>Oracle Database</b>								
Standard Edition One <sup>10</sup>	149	72.06	32.78	15.85	4,995	2,415.72	1,098.90	531.46
Standard Edition <sup>5</sup>	300	145.09	66.00	31.92	15,000	7,254.41	3,300.00	1,595.97
Enterprise Edition <sup>8</sup>	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
Personal Edition <sup>9</sup>	400	193.45	88.00	42.56	-	-	-	-
Lite <sup>41</sup>	-	-	-	-	20,000	9,672.54	4,400.00	2,127.96
<b>Enterprise Edition Options: <sup>2</sup></b>								
Real Application Clusters	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Partitioning	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
OLAP	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Data Mining	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Spatial	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Advanced Security	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Label Security	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Content Database Suite	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Records Database	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Database Vault	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Warehouse Builder Enterprise ETL	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Warehouse Builder Data Quality	300	145.09	66.00	31.92	15,000	7,254.41	3,300.00	1,595.97

**Database Enterprise Management <sup>2</sup>**

Diagnostics Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Tuning Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Change Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Configuration Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Provisioning Pack for Database	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19

	License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
Secure Backup	3,000	1,450.88	660.00	319.19	Per Tape Drive	-
Warehouse Builder Connector <sup>40</sup>	20,000	9,672.54	4,400.00	2,127.96	Per Warehouse Builder Connector	1

	Named User Plus	Software Update License & Support	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>TimesTen <sup>2</sup></b>						
<b>Maximum Data Store</b>						
TimesTen In-Memory Database	≤2 GB	-	-	12,000	5,803.53	2,640.00
	≤ 10 GB	-	-	18,000	8,705.29	3,960.00
	≤ 100 GB	-	-	24,000	11,607.05	5,280.00
	≤ 1 TB	-	-	48,000	23,214.11	10,560.00
	> 1 TB	-	-	96,000	46,428.21	21,120.00

**TimesTen In-Memory Database Options <sup>2</sup>**

Replication - TimesTen to TimesTen	≤2 GB	-	-	6,000	2,901.76	1,320.00
	≤ 10 GB	-	-	9,000	4,352.64	1,980.00
	≤ 100 GB	-	-	12,000	5,803.53	2,640.00
	≤ 1 TB	-	-	24,000	11,607.05	5,280.00
	> 1 TB	-	-	48,000	23,214.11	10,560.00
Cache Connect to Oracle	≤2 GB	-	-	6,000	2,901.76	1,320.00
	≤ 10 GB	-	-	9,000	4,352.64	1,980.00
	≤ 100 GB	-	-	12,000	5,803.53	2,640.00
	≤ 1 TB	-	-	24,000	11,607.05	5,280.00
	> 1 TB	-	-	48,000	23,214.11	10,560.00

**Berkeley Database**

Berkeley DB - High Availability	-	-	-	8,500	4,110.83	1,870.00
Berkeley DB - Transactional Data Store	-	-	-	5,000	2,418.14	1,100.00
Berkeley DB - Concurrent Data Store	-	-	-	1,500	725.44	330.00
Berkeley DB - Data Store	-	-	-	750	362.72	165.00
Berkeley DB Java Edition - Transactional Data Store	-	-	-	5,000	2,418.14	1,100.00
Berkeley DB Java Edition - Concurrent Data Store	-	-	-	1,500	725.44	330.00
Berkeley DB XML - High Availability	-	-	-	12,000	5,803.53	2,640.00
Berkeley DB XML - Transactional Data Store	-	-	-	7,000	3,385.39	1,540.00
Berkeley DB XML - Concurrent Data Store	-	-	-	2,250	1,088.16	495.00
Berkeley DB XML - Data Store	-	-	-	1,500	725.44	330.00

**Other Products**

Secure Enterprise Search <sup>37</sup>	60	-	13.20	-	30,000	14,508.82	6,600.00	3,191.94
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	License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
Secure Enterprise Search Connector <sup>43</sup>	30,000	14,508.82	6,600.00	3,191.94	Connector	1

	Named User Plus	Software Update License & Support	Computer License	GSA Price	Software Update License & Support	GSA Price
<b>Integration Products</b>						
Open System Gateways	-	-	15,000	7,254.41	3,300.00	1,595.97
Mainframe Integration Gateways	-	-	95,000	45,944.58	20,900.00	10,107.81
Enterprise Integration Gateways	-	-	35,000	16,926.95	7,700.00	3,723.93

	Named User Plus	GSA Price	Software Update License & Support	GSA Price	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>Data Warehousing Products</b>								
Express Server	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
Express Analyzer	800	386.90	176.00	85.12	-	-	-	-
Express Objects	5,000	2,418.14	1,100.00	531.99	-	-	-	-

	Named User Plus	GSA Price	Software Update License & Support	GSA Price	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>Rdb Products</b>								
<b>Rdb Server Products</b> <sup>30</sup>								
Rdb Enterprise Edition	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
CODASYL DBMS	800	386.90	176.00	85.12	-	-	-	-
<b>Rdb Server Options:</b>								
TRACE <sup>31, 32</sup>	100	48.36	22.00	10.64	5,000	2,418.14	1,100.00	531.99
<b>Rdb Development, Query and Reporting Tools</b>								
Programmer for Rdb <sup>33</sup>	1,000	483.63	220.00	106.40	-	-	-	-
CDD/ Repository	5,000	2,418.14	1,100.00	531.99	-	-	-	-
CDD/R Runtime <sup>34</sup>	-	-	-	-	5,000	2,418.14	1,100.00	531.99

	Named User Plus	GSA Price	Software Update License & Support	GSA Price	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>Internet Application Server Products<sup>1</sup></b>								
TopLink and Application Development Framework <sup>22</sup>	100	48.36	22.00	10.64	5,000	2,418.14	1,100.00	531.99
Java Edition <sup>22, 24</sup>	100	48.36	22.00	10.64	5,000	2,418.14	1,100.00	531.99
Standard Edition One <sup>16, 24</sup>	149	72.06	32.78	15.85	4,995	2,415.72	1,098.90	531.46
Standard Edition <sup>24</sup>	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Enterprise Edition <sup>24</sup>	600	290.18	132.00	63.84	30,000	14,508.82	6,600.00	3,191.94
BPEL Process Manager	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Portal	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
Portal Standard Edition One <sup>16</sup>	149	72.06	32.78	15.85	4,995	2,415.72	1,098.90	531.46
Integration and Enterprise Service Bus	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Forms and Reports	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Web Services Manager <sup>1</sup>	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
Business Intelligence Publisher <sup>23</sup>	-	-	-	-	40,000	19,345.09	8,800.00	4,255.92
SOA Suite for Non Oracle Middleware	1,300	628.72	286.00	138.32	65,000	31,435.77	14,300.00	6,915.87
Business Activity Monitoring for Non Oracle Middleware	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Fusion Middleware for SAP	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Fusion Middleware for PeopleSoft	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Fusion Middleware for Siebel	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Fusion Middleware for Retek	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Fusion Middleware for iFlex	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Event-Driven Architecture Suite	1,200	580.35	264.00	127.68	60,000	29,017.63	13,200.00	6,383.88
Data Integrator - Target Database	-	-	-	-	12,000	5,803.53	2,640.00	1,276.78
Data Integrator - Source Database	-	-	-	-	4,000	1,934.51	880.00	425.59
Web Content Management for WebCenter	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Imaging and Process Management for SOA Suite	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
<b>Internet Application Server Enterprise Edition Options:<sup>15</sup></b>								
BPEL Process Manager Option	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Business Activity Monitoring <sup>15</sup>	600	290.18	132.00	63.84	30,000	14,508.82	6,600.00	3,191.94
Business Intelligence Publisher <sup>23</sup>	600	290.18	132.00	63.84	30,000	14,508.82	6,600.00	3,191.94
Service Registry	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
SOA Suite for Oracle Middleware	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Communication and Mobility Server	900	435.26	198.00	95.76	45,000	21,763.22	9,900.00	4,787.91
WebCenter	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Service Registry <sup>12</sup> (Also option for Java, SE One and SE Editions)	800	386.90	176.00	85.12	40,000	19,345.09	8,800.00	4,255.92
<b>Internet Application Server Enterprise Management<sup>11</sup></b>								
Diagnostics Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Configuration Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Provisioning Pack for Internet Application Server	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Management Pack for SOA	200	96.73	44.00	21.28	10,000	4,836.27	2,200.00	1,063.98
<b>Fusion Middleware Adapters:</b>								
Application Adapters <sup>3</sup>	-	-	-	-	15,000	7,254.41	3,300.00	1,595.97
Oracle Applications Adapter	-	-	-	-	15,000	7,254.41	3,300.00	1,595.97
Mainframe and TP-Monitor Adapters <sup>4</sup>	-	-	-	-	30,000	14,508.82	6,600.00	3,191.94
RosettaNet Adapter	-	-	-	-	30,000	14,508.82	6,600.00	3,191.94
EDI Adapter	-	-	-	-	30,000	14,508.82	6,600.00	3,191.94
Healthcare Adapter	-	-	-	-	30,000	14,508.82	6,600.00	3,191.94
ebXML Adapter	-	-	-	-	10,000	4,836.27	2,200.00	1,063.98
WebCenter Adapter <sup>42</sup> (priced in Advance of Availability)	-	-	-	-	10,000	4,836.27	2,200.00	1,063.98
<b>Business Intelligence Products</b>								
Standard Edition One <sup>38</sup> (priced in Advance of Availability)	1,000	483.63	220.00	106.40	-	-	-	-
Standard Edition <sup>1</sup>	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96
Suite Enterprise Edition <sup>39</sup>	1,500	725.44	330.00	159.60	225,000	108,816.12	49,500.00	23,939.55
Server Enterprise Edition <sup>39</sup>	300	145.09	66.00	31.92	45,000	21,763.22	9,900.00	4,787.91
<b>Business Intelligence Server Enterprise Edition Options:<sup>39</sup></b>								
Interactive Dashboard	500	241.81	110.00	53.20	75,000	36,272.04	16,500.00	7,979.85
Delivers	300	145.09	66.00	31.92	45,000	21,763.22	9,900.00	4,787.91
Answers	500	241.81	110.00	53.20	75,000	36,272.04	16,500.00	7,979.85
Office Plug-in	200	96.73	44.00	21.28	30,000	14,508.82	6,600.00	3,191.94
Reporting and Publishing	400	193.45	88.00	42.56	60,000	29,017.63	13,200.00	6,383.88
Data Integrator	400	193.45	88.00	42.56	60,000	29,017.63	13,200.00	6,383.88
Disconnected Analytics	500	241.81	110.00	53.20	-	-	-	-
Server Administrator	5,000	2,418.14	1,100.00	531.99	-	-	-	-
<b>Business Intelligence Suite Enterprise Edition Options:<sup>39</sup></b>								
Data Integrator	400	193.45	88.00	42.56	60,000	29,017.63	13,200.00	6,383.88

**Enterprise Content Management Products <sup>1</sup>**

Universal Content Management	2,000	967.25	440.00	212.80	100,000	48,362.72	22,000.00	10,639.80
Universal Records Management	-	-	-	-	100,000	48,362.72	22,000.00	10,639.80
Imaging and Process Management	1,000	483.63	220.00	106.40	50,000	24,181.36	11,000.00	5,319.90
Information Rights Management <sup>44</sup>	500	241.81	110.00	53.20	-	-	-	-
Enterprise Content Management Suite	-	-	-	-	150,000	72,544.08	33,000.00	15,959.70
Universal Records Management Adapter <sup>45</sup>	-	-	-	-	10,000	4,836.27	2,200.00	1,063.98
Content Conversion Server	400	193.45	88.00	42.56	20,000	9,672.54	4,400.00	2,127.96

	License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
Virtual PBX <sup>13</sup>	30	14.51	6.60	3.19	per Subscriber	

	License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
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**Identity Management Products**

Access Manager	20	9.67	4.40	2.13	Employee User	2,000
	5	2.42	1.10	0.53	Non Employee User - External	5,000
Identity Federation	30,000	14,508.82	6,600.00	3,191.94	Processor	1
Identity Manager	60	29.02	13.20	6.38	Employee User	2,000
	5	2.42	1.10	0.53	Non Employee User - External	
Identity Manager Connector <sup>35</sup>	40,000	19,345.09	8,800.00	4,255.92	Connector	1
Identity and Access Management Suite	80	38.69	17.60	8.51	Employee User	
	10	4.84	2.20	1.06	Non Employee User - External	
Directory Services <sup>1</sup>	600	290.18	132.00	63.84	Named User Plus	
	30,000	14,508.82	6,600.00	3,191.94	Processor	
Enterprise Single Sign-On Suite	60	29.02	13.20	6.38	Named User Plus	
Enterprise Single Sign-On Password Reset	7	3.39	1.54	0.74	Named User Plus	2,000

**Identity Management Enterprise Management**

Management Pack for Identity Management	4.00	1.93	0.8800	0.43	Employee	
	1.00	0.48	0.2200	0.11	Non Employee User - External	

**Tools**

Internet Developer Suite	5,000	2,418.14	1,100.00	531.99	Named User Plus	-
Discoverer Desktop Edition	1,000	483.63	220.00	106.40	Named User Plus	-
Programmer	1,000	483.63	220.00	106.40	Named User Plus	-
Portlet Factory	9,000	4,352.64	1,980.00	957.58	Named User Plus	-
Business Process Analysis Suite	9,000	4,352.64	1,980.00	957.58	Named User Plus	5

Applications and Systems Management

	Named User Plus	GSA Price	Software Update License & Support	GSA Price	Processor License	GSA Price	Software Update License & Support	GSA Price
<b>Database Enterprise Management <sup>2</sup></b>								
Diagnostics Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Tuning Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Change Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Configuration Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Provisioning Pack for Database	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
<b>Internet Application Server Enterprise Management <sup>11</sup></b>								
Diagnostics Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19
Configuration Management Pack	60	29.02	13.20	6.38	3,000	1,450.88	660.00	319.19

	License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
<b>Standalone Managers</b>						
Configuration Management Pack for Non-Oracle Systems	3,000	1,450.88	660.00	319.19	Per Processor	-
	60	29.02	13.20	6.38	Per Named User Plus	-
Provisioning Pack	3,000	1,450.88	660.00	319.19	Per Processor	-
	60	29.02	13.20	6.38	Per Named User Plus	-
System Monitoring Plug-in for Hosts	1,500	725.44	330.00	159.60	Per Processor	-
	30	14.51	6.60	3.19	Per Named User Plus	-
System Monitoring Plug-in for Non Oracle Databases <sup>36</sup>	1,500	725.44	330.00	159.60	Per Processor	-
	30	14.51	6.60	3.19	Per Named User Plus	-
System Monitoring Plug-in for Non Oracle Middleware <sup>25</sup>	1,500	725.44	330.00	159.60	Per Processor	-
	30	14.51	6.60	3.19	Per Named User Plus	-
System Monitoring Plug-in for Network Devices <sup>26</sup>	1,500	725.44	330.00	159.60	Per Network Device	-
System Monitoring Plug-in for Storage <sup>27</sup>	1,500	725.44	330.00	159.60	Per Terabyte	-
Management Connectors <sup>28</sup>	5,000	2,418.14	1,100.00	531.99	Per Connector	-
<b>Service Management</b>						
Service Level Management Pack	3,000	1,450.88	660.00	319.19	Transaction	20
<b>Applications Management</b>						
Application Management Pack for E-Business Suite	6,000	2,901.76	1,320.00	638.39	Per Processor	-
	120	58.04	26.40	12.77	Per Named User Plus	-
Application Management Pack for Siebel	6,000	2,901.76	1,320.00	638.39	Per Processor	-
	120	58.04	26.40	12.77	Per Named User Plus	-
Application Management Pack for PeopleSoft	6,000	2,901.76	1,320.00	638.39	Per Processor	-
	120	58.04	26.40	12.77	Per Named User Plus	-

Collaboration

		Collaboration Program User License	GSA Price	Software Update License & Support	GSA Price	Processor License	Software Update License & Support
<b>Collaboration</b>							
Collaboration Suite <sup>6</sup>		Perpetual License	60	29.02	15.00	7.25	-
		1 Year Subscription License	15	7.25	15.00	7.25	-
Content Services <sup>6</sup>		Perpetual License	45	21.76	11.25	5.44	-
		1 Year Subscription License	11	5.32	11.25	5.44	-
Unified Messaging <sup>6</sup>		Perpetual License	45	21.76	11.25	5.44	-
		1 Year Subscription License	11	5.32	11.25	5.44	-
Real-Time Collaboration <sup>6</sup>		Perpetual License	45	21.76	11.25	5.44	-
		1 Year Subscription License	11	5.32	11.25	5.44	-
<b>Collaboration Suite Options:</b> <sup>29</sup>							
Records Management Option		Perpetual License	100	48.36	25.00	12.09	-
		1 Year Subscription License	25	12.09	25.00	12.09	-
<b>Content Services Options:</b> <sup>29</sup>							
Records Management Option		Perpetual License	100	48.36	25.00	12.09	-
		1 Year Subscription License	25	12.09	25.00	12.09	-

		License Price	GSA Price	Software Update License & Support	GSA Price	Licensing Metric	Minimum
<b>Applications sold by Technology Reps</b>							
Healthcare Transaction Base <sup>13, 14</sup>		1,000	483.63	220.00	106.40	Named User Plus	50
		100,000	48,362.72	22,000.00	10,639.80	Processor	1

Term licensing available for all Oracle Products. The list price for a term license is based on a specific percentage of the perpetual license price. Annual terms licenses are available from 1 to 5 years: 1 year - 20% of list; 2 year - 35% of list, 3 year - 50% of list, 4 year 60% of list and 5 year 70% of list. Support for all term licenses is 22% of net perpetual fee. Exception: support fees for the Collaboration Suite are 25% net perpetual license fees.

- <sup>1</sup> If licensing by Named User Plus, the minimum is 10 Named User Plus licenses per Processor.
- <sup>2</sup> Enterprise Edition Options & Database Enterprise Management Packs must match the number of licenses of the associated Oracle Database Enterprise Edition. In addition, a minimum of 25 Named User Plus licenses per Processor must be met. Associated Database is defined as the database(s) which is (are) being managed by the option.
- <sup>3</sup> Application Adapters are available for: PeopleSoft, SAP, Siebel & JD Edwards.
- <sup>4</sup> Mainframe and TP-Monitor Adapters are available for: CICS, IMS/DB, IMS/TM, VSAM, BeanConnectand Tuxedo.
- <sup>5</sup> Oracle Database Standard Edition can only be licensed on servers that have a maximum capacity of 4 sockets. If licensing by Named User Plus, the minimum is 5 Named User Plus licenses. Additionally, it may be licensed on a single cluster of servers supporting up to a maximum number of 4 sockets .
- <sup>6</sup> 2, 3, 4 and 5-Year Term Licenses are not available for Collaboration products. Customers must purchase Software Updates when purchasing Product Support. On Demand for Collaboration products is optional for customers purchasing Collaboration product licenses. Customers must purchase Software Updates and Product Support when purchasing On Demand. E-Business Discount Schedule applies to License, Software Updates, and Product Support fees. On Demand Discount Schedule applies to On Demand for Collaboration products. On Demand for this product is on Controlled Availability and requires approval. Please refer to the Approval Matrix on <http://esource.oraclecorp.com> for more information. If you are an Oracle partner, please contact your Oracle PRN Representative for additional information.
- <sup>8</sup> If licensing by Named User Plus, the minimum is 25 Named User Plus licenses per Processor.
- <sup>9</sup> Personal Edition provides a maximum of one Named User Plus per database.
- <sup>10</sup> Oracle Standard Edition One may only be licensed on servers that have a maximum capacity of 2 sockets. If licensing by Named User Plus, the minimum is 5 Named User Plus licenses.
- <sup>11</sup> Internet Application Server Enterprise Management Packs must match the number of licenses of the associated Internet Application Server (Excluding TopLink and Application Development Framework, for which these Management Packs cannot be licensed).  
An associated Internet Application Server is defined as the Internet Application Server(s) which is (are) being managed by the option.
- <sup>12</sup> Java Edition, Standard Edition One and Standard Edition Options must match the number of licenses of the associated Oracle Internet Application Server Edition. Associated Application Server is defined as the application server(s) which is (are) being managed by the option.
- <sup>13</sup> This product is on Controlled Availability and requires approval. Please refer to the Approval Matrix on <http://esource.oraclecorp.com> for more information. If you are an Oracle partner, please contact your Oracle PRN Representative for additional information.
- <sup>14</sup> For the purpose of licensing Healthcare Transaction Base, only the processors on which iAS Enterprise Edition and this program are installed and/or running are counted for the purpose of determining the number of processors required to license this program.
- <sup>15</sup> Internet Application Server Enterprise Edition Options must match the number of licenses of the associated Internet Application Server. Associated Application Server is defined as the application server(s) which is (are) being managed by the option.
- <sup>16</sup> Internet Application Server Standard Edition One and Portal Standard Edition One may only be licensed on servers that have a maximum capacity of 2 sockets. If licensing by Named User Plus, the minimum is 5 Named User Plus licenses.
- <sup>22</sup> Application Development Framework requires a runtime license. This can be purchases via Toplink and Application Development Framework or Java Edition
- <sup>23</sup> Business Intelligence Publisher is also licensable via the per employee metric. The price is 40.00 USA (Dollar) per employee when licensed as a standalone product and 30.00 USA (Dollar) per employee when licensed as an option to the Application Server Enterprise Edition.
- <sup>24</sup> The Named User Plus Minimum does not apply if the program is installed on a one processor machine that allows for a maximum of one user per program.
- <sup>25</sup> Plug-in available for BEA WebLogic, IBM WebSphere, Microsoft Active Directory, Microsoft .NET, Microsoft Internet Information Services (IIS), Microsoft ISA Server, Microsoft Commerce Server, Microsoft BizTalk Server, IBM WebSphere MQ, JBoss
- <sup>26</sup> Plug-in available for F5 Load Balancers, Juniper Netscreen Firewall, Check Point Firewall
- <sup>27</sup> Plug-in available for NetApp Filers, EMC NS Series NAS
- <sup>28</sup> Management Connectors are available for: Remedy Help Desk, Microsoft Operations Manager 2005. Each Connector is licensed separately
- <sup>29</sup> The number of Options licenses must match to the number of licenses of the parent product
- <sup>30</sup> If licensing by Named User Plus, the minimum is 25 Named User Plus licenses per Processor.
- <sup>31</sup> Rdb Server Options must match the number of licenses of the associated database.
- <sup>32</sup> TRACE may also be licensed with CODASYL DBMS.
- <sup>33</sup> Oracle precompilers supported via SQL\*Net for Rdb for use across Oracle & Rdb Servers.
- <sup>34</sup> CDD/R Runtime is an unlimited use license for applications requiring CDD/R deployment licenses.
- <sup>35</sup> Following is the list of available Identity Manager Connectors: Database User Management, Database Applications Table, Microsoft Active Directory, Oracle Internet Directory, Novell eDirectory, Sun Java System Directory, Oracle e-Business, PeopleSoft Enterprise Applications, SAP Enterprise Applications, Microsoft Exchange, Novell Groupwise, Microsoft Windows, UNIX, RSA Authentication Manager, RSA ClearTrust, IBM Lotus Notes/Domino, SAP Enterprise Portal, Siebel Enterprise Applications, IBM RACF, CA ACF2, CA Top Secret, BMC Remedy User Management, IBM OS/400, JDEdwards EnterpriseOne. Each connector is licensed separately.
- <sup>36</sup> Plug-in available for IBM DB2, Microsoft SQL Server
- <sup>37</sup> Secure Enterprise Search may also be licensed on per employee metric. The minimums for employee licensing is 200 employee licenses. The price is \$30 USA Dollar per employee. When licensing by named user plus metric, the minimums are 100 Named User Plus licenses
- <sup>38</sup> Business Intelligence Standard Edition One may only be used on servers that have the ability to run a maximum of 2 sockets. The minimums for this product are 5 named user plus licenses and the maximum is 50 named user plus licenses. The data sources for BI Server and Business Intelligence Publisher are limited to the included Oracle Standard Edition One, one other database, and any number of flat file sources such as CSV, and XLS.
- <sup>39</sup> The minimums for this product are 50 Named User Plus licenses. The number of options licenses must match the number of licenses of the associated Business Intelligence Server Enterprise Edition. If licensing as an option to Business Intelligence Suite Enterprise Edition, the number of options licenses must match the number of licenses of the associated Business Intelligence Suite Enterprise Edition.
- <sup>40</sup> Warehouse Builder Connectors are only licensable with Oracle Database Enterprise Edition. Warehouse Builder Connectors are available for: PeopleSoft, Oracle E-Business Suite, and SAP. The Connector licenses do not need to match to the Database Enterprise Edition licenses.
- <sup>41</sup> The Oracle Database Lite RDBMS also known as "Clients" are free of charge for licensing purposes.
- <sup>42</sup> WebCenter Adapters are not available at this time.
- <sup>43</sup> Secure Enterprise Search Connectors are available for: Documentum Content Server, Documentum eRoom, Filenet P8 Content Engine, Filenet Image Services, IBM Lotus Notes, IBM DB2 Content Manager, OpenText Livelink, Hummingbird DM, Oracle E-Business Suite, and Siebel. Each Connector is licensed separately.
- <sup>44</sup> The Named User Plus minimum is 100 Named User Plus licenses.
- <sup>45</sup> The following Universal Records Management Adapters are available: Symantec Enterprise Vault, Microsoft SharePoint. Each Adapter is licensed separately.

## DEFINITIONS

**Named User Plus:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. A non human operated device will be counted as a named user plus in addition to all individuals authorized to use the programs, if such devices can access the programs. If multiplexing hardware or software (e.g., a TP monitor or a web server product) is used, this number must be measured at the multiplexing front end. Automated batching of data from computer to computer is permitted. You are responsible for ensuring that the named user plus per processor minimums are maintained for the programs contained in the user minimum table in the licensing rules section; the minimums table provides for the minimum number of named users plus required and all actual users must be licensed.

For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plug-in for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the users of the third party program that is being managed/monitored are counted for the purpose of determining the number of licenses required.

For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft all users of the middleware and/or database software that support the respective application program are counted for the purpose of determining the number of licenses required.

**Processor:** shall be defined as all processors where the Oracle programs are installed and/or running. Programs licensed on a Processor basis may be accessed by your internal users (including agents and contractors) and by your third party users. For the purposes of counting the number of processors which require licensing, for a Sun UltraSPARC T1 processor with 4, 6 or 8 cores at 1.0 gigahertz or 8 cores at 1.2 gigahertz for only those servers specified on the Sun Server Table which can be accessed at <http://oracle.com/contracts>, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .25. For the purposes of counting the number of processors which require licensing for AMD and Intel multicore chips, "n" cores shall be determined by multiplying the total number of cores by a core processor licensing factor of .50. For the purposes of counting the number of processors which require licensing for all hardware platforms not otherwise specified in this section, a multicore chip with "n" cores shall be determined by multiplying "n" cores by a core processor licensing factor of .75. All cores on all multicore chips for each licensed program for each factor listed below are to be aggregated before multiplying by the appropriate core processor licensing factor and all fractions of a number are to be rounded up to the next whole number. When licensing Oracle programs with Standard Edition One or Standard Edition in the product name, a processor is counted equivalent to an occupied socket.

For example, a Sun UltraSPARC T1 based server installed and/or running the program (other than Standard Edition One programs or Standard Edition programs) on 6 cores would require 2 processor licenses (6 multiplied by a core processor licensing factor of .25 equals 1.50 which is then rounded up to the next whole number which is 2). An Intel or AMD based server installed and/or running the program (other than Standard Edition One programs or Standard Edition programs) on 7 cores would require 4 processor licenses (7 multiplied by a core processor licensing factor of .50 equals 3.50 which is then rounded up to the next whole number which is 4). Two multicore servers, for hardware platforms not specified above, installed and/or running the program on 10 cores would require 8 processor licenses (10 multiplied by a core processor licensing factor of .75 equals 7.50 which is then rounded up to the next whole number which is 8).

For the Healthcare Transaction Base program, only the processors on which Internet Application Server Enterprise Edition and this program are installed and/or running are counted for the purpose of determining the number of licenses required. For the iSupport, iStore and Configurator programs, only the processors on which Internet Application Server (Standard Edition and/or Enterprise Edition) and the licensed program are running are counted for the purpose of determining the number of licenses required for the licensed program; under these licenses you may also install and/or run the licensed program on the processors where a licensed Oracle Database (Standard Edition and/or Enterprise Edition) is installed and/or running.

For the purposes of the following programs: Configuration Management Pack for Non-Oracle Systems, System Monitoring Plug-in for Hosts, System Monitoring Plug-in for Non Oracle Databases, System Monitoring Plug-in for Non Oracle Middleware and Provisioning Pack, only the processors on which the third party program that is being managed/monitored are running are counted for the purpose of determining the number of licenses required.

For the purposes of the following programs: Application Management Pack for Oracle E-Business Suite, Application Management Pack for Siebel, and Application Management Pack for PeopleSoft, all processors on which the middleware and/or database software that support the respective application program are running are counted for the purpose of determining the number of licenses required.

For the purposes of the following program: Data Integrator - Target Database, each processor on which the data warehouse, data mart or target database is running are counted for the purpose of determining the number of Target Database licenses required.

For the purposes of the following program: Data Integrator - Source Database, each processor on which the source database is running are counted for the purpose of determining the number of Source Database licenses required.

**Professional User 2003:** is defined as an individual authorized by you to use the application programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time. Professional Users 2003 are allowed to manually enter orders directly into the programs but any orders entered electronically into Order Management from other sources must be licensed separately.

**Professional User 2003 - External:** is defined as an individual, who is not your employee, contractor or outsourcer, authorized by you to use the application programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time. Professional Users 2003 - External are allowed to manually enter orders directly into the programs but any orders entered electronically into Order Management from other sources must be licensed separately.

**Application User:** is defined as an individual authorized by you to use the applicable licensed application programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time. If you license the Oracle Self Service Work Request option in conjunction with Oracle Enterprise Asset Management, you are required to maintain licenses for the equivalent number of Application Users licensed and you are granted unlimited access to initiate work requests, view work request status and view scheduled completion date for your entire employee population. Applications Users licensed for Order Management are allowed to manually enter orders directly into the programs but any orders entered electronically from other sources must be licensed separately.

**Application Read-Only User:** is defined as an individual authorized by you to run only queries or reports against the application program for which you have also acquired non read-only licenses.

**Collaboration Program User:** is defined as an individual authorized by you to use the programs which are installed on a single server or on multiple servers regardless of whether the individual is actively using the programs at any given time. For the purposes of counting and licensing the number of Real-Time Collaboration users, a Collaboration Program User within your company is defined as a user able to initiate, or host, a web conference and also participate in a web conference; all participants in the web conference external to your company and attending a web conference are not required to be licensed.

**Annual Transaction Volume:** is defined as the U.S. dollar denominated total value of all purchase orders transacted and all auctions conducted through the Oracle Exchange Platform by you and others during the applicable year of the Oracle Exchange Platform license regardless of whether any such auction results in a purchase order, provided that an auction resulting in a purchase order shall only be counted against the Annual Transaction Volume once.

**Case Report Form (CRF) Page:** is defined as the "electronic equivalent" of what would be the total number of physical paper pages initiated remotely by the Program (measured explicitly in the Program as Received Data Collection Instruments) during a 12-month period. You may not exceed the licensed number of CRF pages during any 12-month period unless you acquire additional CRF pages licenses from us.

**Compensated Individual:** is defined as an individual whose compensation or compensation calculations are generated by the programs. The term Compensated Individual includes, but is not limited to, your employees, contractors, retirees, and any other Person.

**Computer:** is defined as the computer on which the programs are installed. A Computer license allows you to use the licensed program on a single specified computer.

**Connector:** is defined as each connector connecting the software product with an external product. A unique connector is required for each distinct product with which the software product is required to interface.

**Warehouse Builder Connector:** is defined as a software product that connects an Oracle database where the Oracle Warehouse Builder code is deployed, to an external product (e.g., SAP). A unique connector is required for each distinct external product for which the Oracle database is required to interface.

**Cost of Goods Sold:** is defined as the total cost of inventory that a company has sold during their fiscal year. If Cost of Goods Sold is unknown to you then Cost of Goods Sold shall be equal to 75% of total company revenue.

**Electronic Order Line:** is defined as the total number of distinct electronic order lines entered electronically into the Oracle Order Management application from any source (not manually entered by licensed Order Management Users, Professional Users 2003, or Professional Users 2003 External) during a 12 month period. This includes order lines originating as external EDI/XML transactions and/or sourced from other Oracle and non-Oracle applications. You may not exceed the licensed number of order lines during any 12 month period.

**Employee:** is defined as all of your full-time, part-time, temporary employees and all of your agents, contractors and consultants. The quantity of the licenses required is determined by the Employee Count and not the actual number of users. In the event that customer elects to outsource any business function(s), all of the full-time, part-time, temporary employees and agents, contractors and consultants of the company providing the outsourcing services must be counted for the purposes of determining Employee Count.

**Employee User:** is defined as an individual authorized by you to use the application programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time. Your human resource personnel that require access to the Oracle Self Service Human Resources program may not be licensed as Employee Users, but must be licensed as Professional Users. Additionally, your technical support personnel that require access to the Oracle iSupport program may not be licensed as Employee Users, but must be licensed as Professional Users.

**Entry:** is defined as a unique item (e.g., object, person, entity or item of information) stored within the programs. Replicated entries stored within the program on multiple servers are counted as a single entry.

**Expense Report:** is defined as the total number of expense reports processed by the iExpenses during a 12 month period. You may not exceed the licensed number of expense reports during any 12 month period.

**Federated Link:** is defined as a one-to-one pairing between a source domain and a destination domain. A source domain is the point of origin for a request. A destination domain contains the resource that users from source domains want to access. One source domain might have many pairings with different destination domains and one destination domain might have many pairings with different source domains. Each and every pairing is a federated link.

**Field Technician:** is defined as an engineer, technician, representative, or other person who is dispatched by you, including the dispatchers, to the field using the programs.

**FTE Student:** is defined as any full-time student enrolled in your institution and any part-time student enrolled in your institution counts as 25% of an FTE Student. The definition of "full-time" and "part-time" is based on your policies for student classification. If the number of FTE Students is a fraction, that number will be rounded to the nearest whole number for purposes of license quantity requirements.

**Hosted Named User:** is defined as an individual authorized by you to access the hosted service, regardless of whether the individual is actively accessing the hosted service at any given time.

**Invoice Line:** is defined as the total number of invoice line items processed by the program during a 12 month period. You may not exceed the licensed number of Invoice Lines during any 12 month period unless you acquire additional Invoice Line licenses from us.

**Module:** is defined as each production database running the programs.

**Network Device:** is defined as the hardware and/or software whose primary purpose is to route and control communications between computers or computer networks. Examples of network devices include but are not limited to, routers, firewalls and network load balancers.

**Non Employee User - External:** is defined as an individual, who is not your employee, contractor or outsourcer, authorized by you to use the application programs which are installed on a single server or multiple servers, regardless of whether or not the individual is actively using the programs at any given time.

**Partner Organization:** is defined as an external third party business entity that provides value-added services in marketing and selling your products. Depending upon the type of industry, partner organizations play different roles and are recognized by different names such as reseller, distributor, agent, dealer or broker.

**Person:** is defined as your employee or contractor who is actively working on behalf of your organization or a former employee who has one or more benefit plans managed by the system or continues to be paid through the system. For Time and Labor, a person is defined as an employee or contractor whose time or labor (piece work) or absences are managed by the system. For Project Resource Management, a person is defined as an individual who is scheduled on a project. For Internet Time, a person is defined as an individual who is charging time to a project via the application. The total number of licenses needed is to be based on the peak number of part-time and full-time people whose records are recorded in the system.

**Ported Number:** is defined as the telephone number that end users retain as they change from one service provider to another. This telephone number originally resides on a telephone switch and is moved into the responsibility of another telephone switch.

**RosettaNet Partner Interface Processes® (PIPs®):** are defined as business processes between trading partners. Preconfigured system-to-system XML-based dialogs for the relevant E-Business Suite Application(s) are provided. Each preconfigured PIP includes a business document with the vocabulary and a business process with the choreography of the message dialog.

**Service Order Line:** is defined as the total number of service order entry line items processed by the program during a 12 month period. Multiple service order entry line items may be entered as part of an individual customer service order or quote. You may not exceed the licensed number of Service Order Lines during any 12 month period unless you acquire additional Service Order Line licenses from us.

**Subscriber:** is defined as (a) a working telephone number for all wireline devices; (b) a portable handset or paging device that has been activated by you for wireless communications and paging; (c) a residential drop or a nonresidential device serviced by a cable provider; or (d) a live connected utility meter. The total number of Subscribers is equal to the aggregate of all types of Subscribers. If your business is not defined in the primary definition of Subscriber above, Subscriber is defined as each U.S. \$1,000 increment of your gross annual revenue as reported to the SEC in your annual report or the equivalent accounting or reporting document.

**Suite:** is defined as all the functional software components described in the product documentation.

**Tape Drive:** Tape drives are defined as mechanical devices used to sequentially write, read and restore data from magnetic tape media. Typically used, but not limited to, data protection and archival purposes, tape drives are deployed either as a standalone unit(s) or housed within a robotic tape library. Examples of tape drive include but are not limited to, Linear Tape Open (LTO), Digital Linear Tape (DLT), Advanced Intelligent Type (AIT), Quarter-Inch Cartridge (QIC), Digital Audio Tape (DAT), and 8mm Helical Scan.

**Terabyte:** is defined as a terabyte of computer storage space used by a storage filer equal to one trillion bytes.

**Transaction:** is defined as each set of interactions that is initiated by an application user recorded by Oracle Enterprise Manager to capture availability and performance metrics used in calculating service levels. For example, the following set of interactions would represent one transaction: login, search customer, log out.

**UPK Developer:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. UPK Developers may create, modify, view and interact with simulations and documentation.

**UPK Employee:** is defined as an active employee of yours. (note: The value of these applications is determined by the size of the active employee population and not the number of actual users. Therefore, all of your active employees must be included in your order when licensing these applications). UPK Employees may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**UPK User:** is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. UPK Users may view and interact with simulations and documentation but may not create or modify simulations or documentation.

**Workstation:** is defined as the client computer from which the programs are being accessed, regardless of where the program is installed.

**\$M Freight Under Management:** is defined as one million U.S. dollars of the total transportation value of tendered orders for all shipments for a given calendar year during the term of the license. FUM shall include the combined total of actual freight purchased by you, plus the cost of freight for shipments managed by you (e.g., you are not purchasing transportation services on behalf of your clients but are providing transportation management services for your clients). Freight that is paid by a third party shall also be included in the FUM total (e.g., inbound shipments from suppliers to you with freight terms of prepaid).

**\$M in Revenue:** is defined as one million United States dollars in all income (interest income and non interest income) before adjustments for expenses and taxes generated by You during a fiscal year.

**\$M in Managed Assets:** is defined as one million U.S. dollars of the following total: (1) Book value of investment in capital leases, direct financing leases and other finance leases, including residuals, whether owned or managed for others, active on the program, plus (2) Book value of assets on operating leases, whether owned or managed for others, active on the program, plus (3) Book value of loans, notes, conditional sales contracts and other receivables, owned or managed for others, active on the program, plus (4) Book value of non earning assets, owned or managed for others, which were previously leased and active on the program, including assets from term terminated leases and repossessed assets, plus (5) Original cost of assets underlying leases and loans, originated and active on the program, then sold within the previous 12 months.

For a complete list of products offered by Oracle Corporation, please visit the Oracle eDelivery site:  
<http://edelivery.oracle.com>

## GENERAL LICENSING RULES

### TERM DESIGNATION

If your Program License does not specify a term, the Program license is perpetual and shall continue unless terminated as otherwise provided in the Agreement.

- 5 Year Term:** A Program license specifying a 5 Year Term shall commence on the Effective Date of the order and shall continue for a period of 5 years. At the end of the 5 Year Term the Program license shall terminate automatically.
- 4 Year Term:** A Program license specifying a 4 Year Term shall commence on the Effective Date of the order and shall continue for a period of 4 years. At the end of the 4 Year Term the Program license shall terminate automatically.
- 3 Year Term:** A Program license specifying a 3 Year Term shall commence on the Effective Date of the order and shall continue for a period of 3 years. At the end of the 3 Year Term the Program license shall terminate automatically.
- 2 Year Term:** A Program license specifying a 2 Year Term shall commence on the Effective Date of the order and shall continue for a period of 2 years. At the end of the 2 Year Term the Program license shall terminate automatically.
- 1 Year Term:** A Program license specifying a 1 Year Term shall commence on the Effective Date of the order and shall continue for a period of 1 year. At the end of the 1 Year Term the Program license shall terminate automatically.

## ORACLE SUPPORT SERVICES

Oracle Support Services (OSS) offers the following programs: Software Update License & Support to provide customers with the right to Oracle product upgrades and 24x7 support of all Oracle products, and Oracle Advanced Customer Support for a menu of additional services designed to provide an enhanced level of support. Services may vary by country. For availability, contact your local Support Sales representative. For a complete description of Oracle Support Services programs, refer to the Sales Support website at <http://www.oracle.com/Support>

### Software Update License & Support

Software Updates License & Support provides customers with the right to product upgrades and 24x7 technical support, and is available for five years from the release date of the product. Product upgrades includes upgraded versions of software, maintenance releases and patches. Customers receive direct access Oracle experts for product-specific questions about installing and operating Oracle software. Web based support is provided via OracleMetaLink. Features of MetaLink include proactive notifications, customized home pages, technical libraries and forums, product life-cycle information, a bug database, and the ability to log technical assistance requests.

### Support Renewals

Prices shown on this price list are annual fees that apply to both perpetual and term licenses for first year support only. The price of a technical support renewal for Software Update License & Support is the technical support fees paid for the same licenses in the prior year, increased by the appropriate renewal adjustment. Oracle uses two different renewal adjustments: the Inflationary Adjustment Rate (IAR) and the Local Renewal Adjustment (LRA). Support for all licenses is adjusted by the greater of the LRA or the IAR. In all cases, any valid technical support cap included in a license agreement or ordering document that governs the licenses, limits the renewal adjustment. For more information on renewal adjustments, contact your Support Sales representative.

### Advanced Customer Support

Advanced Customer Support is designed to provide an enhanced level of support to Oracle customers. Advanced Customer Support delivers tailored, flexible support solutions built to meet the customers' specific business requirements. Advanced Customer Support customers have the flexibility to purchase standard or combine standard services with specific offerings to provide a full solution. Contact your local Support Sales representative for Advanced Customer Support information and pricing.

### Incident Server Support Packages

Incident Server Support Packages provide incident-based web support for the following limited product sets:

- Oracle Database Server Support Package (2,000 USA (Dollar) for 10 incidents on one server):  
Oracle Database Enterprise Edition, Oracle Database Standard Edition, Standard Edition One, Partitioning, Real Application Clusters
- Oracle Application Server Support Package (1,000 USA (Dollar) for 10 incidents on one server):  
Internet Application Server Enterprise Edition, Internet Application Server Standard Edition, Internet Application Server Java Edition

With the purchase of Incident Server Support Packages, customers receive access to Oracle *MetaLink*, which provides 24x7 web-based technical support, including web-based Technical Assistance Requests.

### JDeveloper Support

JDeveloper Support is a 24x7 support service that provides direct access to Oracle experts for product-specific questions about installing and operating Oracle JDeveloper. Web based support is provided via OracleMetaLink. Features of MetaLink include proactive notifications, customized home pages, technical libraries and forums, product life-cycle information, a bug database, and the ability to log technical assistance requests. JDeveloper Support is priced at 218.90 USA (Dollar) per Named User Plus per annum. Price applies to first year support only. JDeveloper Support is available only for the free version of JDeveloper downloaded from OTN after Jun 28, 2005. All standard Oracle support policies, as outlined in the Technical Support Policies, are applicable to JDeveloper purchased before this date.

### Customer Support Services Policies and Definitions

The complete policy can be found in the Technical Support Policies at <http://www.oracle.com/support>

### Extended Support

Customers with current Software Updates, License & Support can support their product for a further 3 years, past the initial 5 years from the general availability date of the product, by purchasing Extended Support. Extended Support fees are applied to the desupported Oracle programs only. Extended Support fees consist of the prior year's fee for Software Updates & Support plus the applicable renewal adjustment, plus an additional fee based on the year. Additional fees are as follows:

- Year 6 after product release: 10% of current year's Software Update License & Support
- Year 7 after product release: 20% of current year's Software Update License & Support
- Year 8 after product release: 20% of current year's Software Update License & Support

Extended Support offers the following:

- Updates, fixes and security alerts
- Tax, legal and regulatory updates
- Upgrade scripts
- Technical support
- Major product and technology releases

### Sustaining Support

Sustaining Support offered in years 9 and beyond provides technical support—i.e., access to Oracle's online and call-center support—and rights to future products for as long the customer is purchasing support. Sustaining support is charged as per renewal pricing, found in the "Support Renewals" section above.

Sustaining Support provides:

- Technical Support
- Access to MetaLink/Customer Connection
- Major product and technology releases
- Pre-existing fixes

Oracle offers complete application, database, and hardware management services, which can help lower a customer's IT maintenance costs and increase support resolution time.

**Administration Services**

Administration Services are system administration, application technology management and monitoring activities provided remotely by Oracle for licensed Oracle programs. Administration Services are contracted on yearly terms; the billing is annual in advance.

Customers purchasing E-Business Suite On Demand must meet the minimum annual net fees for Administration Services of 90000 USA (Dollar) and minimum monthly net fees of 7500 USA (Dollar). Customers purchasing Technology On Demand must meet the minimum annual net fees for Administration Services 48000 USA (Dollar) and minimum monthly net fees of 4000 USA (Dollar). Customers purchasing Collaboration Suite On Demand must meet the minimum annual net fees for Administration Services 48000 USA (Dollar) and minimum monthly net fees of 4000 USA (Dollar)

**Computer and Administration Services**

Computer Services must be sold together with Administration Services. Computer and Administration Services are system administration, application technology management, and monitoring activities for licensed Oracle programs that are provided by Oracle from a data center hosting facility to which the customer has remote applications access. Computer and Administration Services are contracted on yearly terms; the billing is annual in advance.

Customers purchasing E-Business Suite On Demand must meet the minimum annual net fees for Computer & Administration Services of 135000 USA (Dollar) and minimum monthly net fees of 11250 USA (Dollar). Customers purchasing Technology On Demand must meet the minimum annual net fees for Computer & Administration Services of 72000 USA (Dollar) and minimum monthly net fees of 6000 USA (Dollar). Customers purchasing Collaboration Suite On Demand must meet the minimum annual net fees for Computer & Administration Services of 72000 USA (Dollar) and minimum monthly net fees of 6000 USA (Dollar)

Customers purchasing PeopleSoft On Demand must meet the minimum annual net fees for Computer and Administration Services of 300000 USA (Dollar) for the first PeopleSoft pillar and minimum monthly net fees of 25000 USA (Dollar) for the first PeopleSoft pillar plus an additional fee of 150000 USA (Dollar) for each additional PeopleSoft pillar.

Customers purchasing Siebel On Demand must meet the minimum annual net fees for Computer and Administration Services of 300000 USA (Dollar) for each Siebel CRM Vertical and minimum monthly net fees of 25000 USA (Dollar) for each Siebel CRM vertical.