GLOBAL TUNNELS

COMMERCIAL PRICE LIST FOR INFORMATION TECHNOLOGY SERVICES

SIN 132-51

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Global Tunnels

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Labor Categories and Prices

Application Engineer					
Primary Functional Responsibilities and Duties	This category includes website and application software systems design and software development using Java, Active Server Pages, XML/XSL and .net or other languages, activity and data modeling and enterprise information systems architecture expertise. Researches, collects, and reports information on the capability and capacity of commercial software and equipment to meet system requirements. Performs such tasks as business process analysis, activity and data modeling using UML. Designs, codes, tests and debugs software modules and components to meet specified user requirements and project schedules. Tests and debugs application software and systems. Leads projects for the design and development of new application systems and redesign of existing systems. Assigns tasks to web or software development team members and monitors progress in accordance with schedules and budgets, including the review of completed work for correctness, adherence to the approved design concept and standards. Coordinates all technical functions required for the software development project to ensure problem resolution and end user satisfaction. Ensures the project architecture is consistent with the enterprise architecture. Prepares and presents milestone status reports, deliverables and system concept presentations to colleagues, subordinates, and end users. Performs a variety of engineering tasks which are broad in nature and are concerned with the design and implementation of integrated systems, including establishment of systems frameworks, long-range information architectures, personnel, hardware, software and support facilities and/or equipment. Leads independent verification and validation of engineering processes and products and more complex projects requiring significant risk mitigation. Supports enterprise information architecture through participation in architecture review boards and long-range information architecture planning and implementation.				
	Minimum Education	Minimum Experience	Responsibility Level	**On-site***	**Main Office**
Level I	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	1 year general experience	Works as a junior team member	$92.26	$117.65
Level II	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	2 years specific experience	Works as a Team member	$128.93	$160.20
Level III	Bachelor's degree in Computer Science or related field	4 years specific experience	Works independently, as a senior team member or team leader	$159.49	$195.65

	Minimum Education	Minimum Experience	Responsibility Level	**On-site***	**Main Office**
Level IV	Bachelor's degree in Computer Science or related field	5 years specific experience	Works independently or as a team leader	$183.94	$224.01
Level V	Master's degree in Computer Science or related field	7 years specific experience	Works as a team leader or independently	$209.41	$253.55
		Database Specialist			
Primary Functional Responsibilities and Duties	This category provides for data management, database design and administration. Assists in designing and building relational databases. Designs, builds, implements and evaluates relational databases using Oracle or other database software to effectively support current and future needs for relational multi-tier multi-dimensional databases. Identifies data sources, constructs data decomposition diagrams, provides data flow diagrams and documents the process. Writes scripts or programs for database access, modifications, and constructions including stored procedures. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Implements data models, database designs, data access and table maintenance code. Monitors database and application performance, resolving issues related to database performance, capacity, replication, and distributed data. Develops and administers policies and procedures for ensuring the security and integrity of the enterprise database. Identifies data sources, constructs data decomposition diagrams, provides data flow diagrams and documents the process for database access, modifications, and construction, including stored procedures. Develops and implements data management strategies. Manages all aspects of data warehouses such as data sourcing, migration, quality, design, and implementation. Scopes, plans, and prioritizes the full range of data administration and data management projects. Provides expertise in a variety of database concepts, practices, and procedures, such as the creation and management of database architectures, metadata and repositories. Consults on database and data management issues for complex projects .				

	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Level I	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	1 year specific experience	Works as a junior team member	$97.82	$124.10
Level II	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	2 years specific experience	Works as a team member	$128.38	$159.56
Level III	Bachelor's degree in Computer Science or related field	5 years specific experience	Works independently or as a senior team member	$158.95	$195.01
Level IV	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent experience preferred	6 years specific experience	Works as a team leader or independently	$189.51	$230.46
Level V	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent experience	7 years specific experience	Works independently or as a team leader	$220.07	$265.91
IT Specialist					
Primary Functional Responsibilities and Duties	This category provides administrative, technical writing and training support for IT projects and Help Desk services. Prepares narrative and graphic materials for training and management presentations. Prepares simple technical systems documents, informational brochures, and user manuals. Coordinates the production of the document. Performs data entry services for a variety of business and statistical source data. Supports a project team by performing a variety of administrative and technical tasks. Provides Help Desk support to end users. Receives calls from customers concerning system problems. Documents				

customer trouble reports in trouble ticketing system, ensuring that all necessary information is obtained and escalates according to established standard operating procedures. Assists with installation and configuration of desktop equipment.

Assists in developing courses for training end users in applications supporting business processes and office automation. Prepares and delivers end user training for business applications and office automation software.

	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Level I	Associate's degree or the equivalent combination of training, education and experience.	0-1 year general experience	Works as a junior team member	$46.63	$64.73
Level II	Associate's degree or the equivalent combination of training, education and experience	Minimum Experience	Responsibility Level	$61.63	$82.13
Level III	Associate's degree or the equivalent combination of training, education and experience	1 year general experience	Works as a team member	$75.48	$98.20

Principal Information Engineer

Primary Functional Responsibilities and Duties	This category provides senior level expertise in network engineering, administration, systems integration and configuration management for IT architecture and infrastructure support.
	Oversees complex projects comprised of sub-projects and distinct deliverables; typically coordinates and delegates the assignments for the consultant project staff; serves as the focal point of contact for project status, meetings, reporting requirements, scope changes, and technical issues and concerns.
	Reviews existing systems and user requirements at unit levels and defines a strategic plan at an enterprise level. Analyzes user needs to determine cross-functional requirements, performing gap analyses to support system integration or redesign. Develops high-level definitions of system functions and components, and the information exchanged among those components. Defines interfaces for and integration of components.
	Develops technical, data, and functional architectures. Provides analysis, design, development, testing, and implementation standards and recommends technologies for transition to an enterprise level architecture. Develops proof-of-concept prototypes to establish feasibility of the proposed approaches. Defines and documents consistent configuration management guidelines. Develops ongoing metadata management plans. Performs multi-dimensional analysis, time-series analysis, what-if scenarios analysis, data mining, and data discovery.

	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Base	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent combination of education and experience	10 years specific experience	Works as a team leader or consultant	$224.69	$271.28
Senior Level	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent combination of education and experience	15 years specific experience	Works as a consultant or team leader	$245.07	$294.91
Project Manager/Program Director					
Primary Functional Responsibilities and Duties	This category provides for administration, management and direction of one or more projects. Develops, plans, implements and controls assigned project or initiative, establishing cost, technical, schedule and performance objectives. Directs assigned staff resource activities to ensure that all of these objectives are met. Develops, plans, implements and controls assigned programs, projects and initiatives, establishing cost, technical, schedule and performance objectives. Directs assigned staff resource activities to ensure that all of these objectives are met.				
	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Project Manager	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent combination of education and experience	9 years general experience	Works as a manager	$166.17	$203.39
Program Director	• Bachelor's degree in Computer Science or	12 years general experience	Works as a manager	$199.79	$242.38

	related field • Master's degree or equivalent combination of education and experience				

Information Systems Security Specialist					

| Primary Functional Responsibilities and Duties | This category provides Information Technology Security expertise for the enterprise. Administers enterprise access controls, creating, modifying and removing user profiles and other access controls.

Monitors and maintains IT security software to protect enterprise websites, networks and systems to preserve the accessibility, availability, integrity and confidentiality of enterprise IT assets. Ensures that all system platforms and information systems are functional and secure. Reviews security logs to detect, report, and resolve possible security violations, following enterprise policies and procedures. Reviews violation reports to identify network security risks and develop plans and procedures for controls to mitigate the risks. Prepares management reports on all aspects of IT security.

Develops and implements information security standards and procedures. Works with upper management to determine acceptable level of risk for enterprise computing platforms. Performs IT security assessments and risk analyses. Reviews system requirements specifications and designs to ensure appropriate IT security controls are included. Researches and evaluates new or improved security measures to implement for Web systems' security. Develops and delivers presentations for IT security briefings and awareness training for non-technical managers and end users. Assists in performing IT audit support tasks and providing information concerning enterprise IT security as requested.

Provides comprehensive information systems security expertise for the enterprise. As an IT security expert, advises senior management on all aspects of the enterprise IT security program, performing or directing complex enterprise level risk assessments, planning an effective IT security program, developing and implementing the policies and procedures necessary to provide controls against all risks identified. | | | | |

	Minimum Education	Minimum Experience	Responsibility Level	**On-site***	**Main Office**
Level I	Bachelor's degree in Computer Science or related field	5 years specific experience	Works as a team member	$139.28	$172.19
Level II	• Bachelor's degree in Computer Science or related field • Master's degree or equivalent combination of education and experience • Certified Information Systems Security	7 years specific experience	Works independently or as a Team Leader	$183.37	$223.34

	Professional (CISSP) is preferred.				
Level III	• Bachelor's degree in Computer Science or related field • Certified Information Systems Security Professional (CISSP) • Master's degree or equivalent combination of training and experience	10 years specific experience	Works independently, as a consultant, or as a team leader	$202.01	$244.96

Subject Matter Expert

Primary Functional Responsibilities and Duties	This category provides network engineering, administration, systems integration and configuration management for IT architecture and infrastructure support and expert consultant technical support services. Develops an information architecture that integrates enterprise systems and a transition plan for migration to the architecture. Performs architecture design (including software, hardware and communications) for comprehensive requirements support using structured analysis, design methodologies and tools, such as IDEF 1x, entity relationship diagrams and other techniques. Ensures the architecture provides for current and future cross-functional requirements. Identifies and evaluates work flow, organization and planning issues, developing appropriate solutions. Ensures the basic operating environment is consistent with enterprise standards. Works closely with the upper management of internal organizational elements, acquiring an understanding of the enterprise level vision of each, and builds consensus to define business strategies and propose systems to achieve the comprehensive vision. Analyzes disparate applications, technologies, software architectures and requirements, proposing solutions that facilitate data exchange among multiple organizations. Advises on the management of large complex information engineering and system integration projects, including risk management at the project, organization and enterprise levels for proposed solutions. Provides expert knowledge of commercial off-the-shelf software and other third party software for comprehensive enterprise systems support or to resolve exceptionally obscure and complex problems in the integration, implementation, operation and maintenance of the specific commercial software. May provide other than IT functional expertise necessary to advise IT consultants on interpretation of requirements and successful system performance.

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	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Level I	• Bachelor's degree in Computer Science, related field or special area • Master's degree or equivalent combination of education and experience	18 years general and specific experience	Works as a consultant	$263.40	$316.19
Level II	• Bachelor's degree in Computer Science, related field or special area • Master's degree or equivalent combination of education and experience	20 years general and specific experience	Works as a consultant	$288.87	$345.73
Level III	• Bachelor's degree in Computer Science, related field or special area • Master's degree or equivalent combination of education and experience	22 years general and specific experience	Works as a consultant	$319.45	$381.17
Level IV	• Bachelor's degree in Computer Science, related field or special area • Master's degree or equivalent combination of education and experience	25 years general and specific experience	Works as a consultant	$360.18	$428.45
Level V	• Bachelor's degree in Computer Science, related field or special area • Master's degree	25 years general and specific experience	Works as a consultant	$411.13	$487.54

• PhD				

<div align="center">**Systems Analyst/Designer**</div>

Primary Functional Responsibilities and Duties	This category provides for business process analysis, IT systems design and quality assurance. Reviews, analyzes, and evaluates complex business processes, identifies user needs and determines systems requirements, significant risks and critical interfaces. Formulates systems that support overall business strategies. Edits technical documentation, such as functional descriptions, system specifications and user manuals. Prepares project status and progress presentations. Identifies opportunities for improving business process efficiency and effectiveness through the proper use of technology and prepares a SWOT analysis to describe the impact on staff, users and customers. Prepares business case models, system specifications, strategic plans and other IT project documentation. Plans, directs and oversees complex systems analysis projects, assigns work to team members and ensures accomplishment of team goals. Leads a project team, making work assignments and reviewing the work of team members. Models business processes and data, manually or using automated tools, to support planning and analytical activities. Employs reverse engineering and re-engineering techniques in developing migration strategies and plans.

	Minimum Education	Minimum Experience	Responsibility Level	On-site*	Main Office
Level I	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	2 years general experience	Works as a junior team member	$86.01	$110.40
Level II	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	2 years general and 2 years specific experience	Works as a team member	$120.82	$150.79
Level III	Bachelor's degree in Computer Science or related field	6 years specific experience	Works independently, as a senior team member or team leader	$141.19	$174.41
Level IV	Bachelor's degree in Computer Science or related field	8 years specific experience	Works as a team leader or independently	$170.28	$208.16
Level V	Master's degree in Computer Science or related field	9 years specific experience	Works as a team leader or independently	$190.66	$231.79

Systems Engineer					
Primary Functional Responsibilities and Duties	This category provides network engineering, administration, systems integration and configuration management for IT architecture and infrastructure support. Performs new software installations, system upgrades, patch evaluation and installation and software related problem resolution. Performs system backup, recovery and data file maintenance. Maintains optimum system performance. Monitors system configuration for data integrity. Implements procedures and schedules for system backup, database archiving, off-site storage and retrieval and manages appropriate software and hardware solutions for workstation/server data integrity. Conducts hardware and application software audits of workstations and servers to ensure compliance with configuration management standards, policies, and guidelines. Directs all aspects of systems engineering, including system architecture structure, content and management; technology acquisition and integration; establishment of a systems engineering organization; including knowledge, skills and experience required; staffing, procedures; and resolution of intractable problems at the enterprise level.				
	Minimum Education	Minimum Experience	Responsibility Level	**On-site***	**Main Office**
Level I	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	2-4 years general experience	Works as a junior team member	$108.55	$136.56
Level II	Bachelor's degree in Computer Science or related field or equivalent combination of education and experience	4 years general and 3 years specific experience	Works as a team member	$134.63	$163.50
Level III	Bachelor's degree in Computer Science or related field	4-9 years specific experience	Works independently, as a senior team member or team leader	$148.97	$183.44
Level IV	Bachelor's degree in Computer Science or related field	10 years specific experience	Works as a team leader or independently	$177.62	$216.67
Level V	Master's degree in Computer Science or related field	12 years specific experience	Works as a team leader	$206.28	$249.91

*On-Site assumes that the client provides office space, equipment and software.

NOTE: The labor category definitions in our Pricelist describe the functional responsibilities and education and experience requirements for each labor category. These requirements are a guide to the types of experience and educational background of typical personnel in each labor category. Education and experience may be substituted for each other. Each year of relevant experience may be substituted for 1 year of education, and vice versa. In addition, certifications, professional licenses, and vocational technical training may be substituted for experience or education with the written approval of the ordering activity.

Degree	Experience Equivalence*	Other Equivalence
Associate's	1 year relevant experience	Vocational or technical training in work-related field
Bachelor's	Associate's degree + 2 years relevant experience, or 4 years relevant experience	Professional certification
Master's	Bachelor's + 2 years relevant experience, or Associate's + 4 years relevant experience	Professional license
Doctorate	Master's + 2 years relevant experience, or Bachelor's + 4 years relevant experience	

* Successful completion of each year of higher education that has not yet resulted in a degree may be counted 1-for-1 for a year of experience.

Further, both parties recognize that, on occasion, there may be a need to waive the requirements in order to use the best individual for the task. Therefore, waivers to the education/experience requirements may be granted by either the task order contracting officer or contracting officer technical representative. If such a waiver is included in our proposal, award of said proposal shall be deemed a grant of the waiver.