

Panum Telecom, LLC (dba Panum Group, LLC, hereafter Panum) offers the following Information Technology (IT) Services:

SIN 132-51 - INFORMATION TECHNOLOGY (IT) 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 D399 Other Information Technology Services, Not Elsewhere Classified

Panum is an SBA-certified 8(a) and Woman-owned SDB.

Ordering Information:

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Contract Number: GS-35F-0272S
Period Covered by Contract: 3/3/06-3/2/16

Panum accepts credit card payments.

Description of Services:

Panum specializes in offering management consulting services and engineering services for information technology, software engineering and network engineering. Panum has offered the foregoing services to both commercial and federal customers.

Panum's core management capabilities include but are not limited to marketing, business development, financial and investment analysis, financial systems analysis, assets and acquisitions, program management, communications infrastructure, policy formulation and analysis, and technology management.

Panum's core capabilities in information technology and engineering include:

1. Network Services:
 - a. Network access and transport, Network modeling, Network Security & Performance Monitoring and Quality Assessment
 - b. Voice over Internet Protocol (VoIP)
 - c. Network Service Definition and Provisioning
 - d. Migration of Network Services from One Network to Another
 - e. Independent Validation & Verification
 - f. Operations Support Systems

2. Software Engineering Services
 - a. Requirements Development
 - b. Architecture & Design
 - c. Independent Validation & Verification
 - d. QA, Test & Configuration Management
3. Federal Information Protocol Standards (FIPS) and Common Criteria
4. Information Security Support
5. IT Strategic Planning & Governance
 - a. Federal Enterprise Architecture
 - b. Capital Planning & Investment Control
 - c. OMB 300 Submissions
 - d. E-Gov support
 - e. ITIRB & AAR
 - f. Records Management
6. Acquisition Support
 - a. Acquisition Planning
 - b. Statement of Work, Performance Work Statement & Statement of Objectives and
 - c. Solicitation and
 - d. Source Selection

In addition, Panum offers a broad spectrum of engineering, research and development capabilities in science and technology.

LABOR CATEGORY DESCRIPTIONS

This section presents descriptions of service offerings by labor categories. When determining the qualifications of an individual to fill one of the positions offered, substitutions for the education and experience requirements may be made as shown in Table 1, Allowable substitutions of Education and Experience.

Table1. Allowable Substitutions of Education and Experience		
The minimum education and experience will be met when the educational equivalencies in the tables below are considered. Additional educational achievements in excess of requirements can be substituted for experience as shown below.		
Required Education	Actual Education Obtained	Additional Years of Credited the Employee
MA/MS	PhD.	4
BA/BS	PhD.	6
BA/BS	MA/MS	2
HS/GED	BA/BS	4

LABOR CATEGORIES & DESCRIPTIONS:

Commercial Job Title: Project Manager IV

Functional Responsibility: Capable of solving complex problems of diverse scope where the analysis of the data requires evaluation of identifiable factors. Must be able to exercise own judgment within generally defined practices and policies I the selection of methods and techniques for reaching effective solutions. Must make decisions based on policies and standard practices but may also develop new procedures to meet unique program requirements.

Education/Experience: MS in Computer Science or related field + 10 years' experience

Commercial Job Title: Sr. Network Engineer

Functional Responsibility: Must be capable of handling project requirements that are very broad and can involve a wide variety of complex technical and business issues related to network engineering. Projects require the Knowledge and experience to be able to apply advanced expertise in a number of areas of technical specialization and have complete knowledge and experience with phases of the system(s) to initiate and lead others to effective solutions to complex problems. Capable of independently planning, leading and carrying out diverse non-routine complex projects.

Education/Experience: Ph.D. in Computer Science or equivalent + 10 years' experience

Commercial Job Title: Network Engineer II

Functional Responsibility: Assigned projects with a broad scope and technically complex in network engineering. Must resolve a wide variety of technical problems that cover arrange of the simple to highly complex. Requires a high degree of judgment and discretion to make a selection of the effective method or technique to interpret applicable operating policies and practices. Works independently and be capable of handling non-routine issues in an efficient and effective manner.

Education/Experience: BS in Computer Science or related field + 2 years' experience

Commercial Job Title: Sr. Security Engineer

Functional Responsibility: Have the capability to analyze and plan projects and determine customer security requirements for computer operations, than may include mainframes, workstations and personal computer systems and lead teams. Work independently on design, development and implementing complex solutions that meet specific system security requirements. Has the capability to integrate and implement computer system security solutions. Assembles and organizes the necessary technical information pertaining to a specific mission goal. Maintain an knowledge of existing security challenges, related hardware, and program

applications. Performs risk analyses of computer systems and applications while the project is in the development stage.

Make informed evaluations of security hardware and software capabilities to conduct efficient and cost effective solutions to computer systems security.

Education/Experience: Ph.D in Computer Science or related field + 10 years' experience

Commercial Job Title: Security Engineer II

Functional Responsibility: Work independently to resolve computer and network security requirements. Have ability to analyze, define, resolve and implement security requirements for a wide variety of computer systems that can be specific to one individual organization. Designs, develops and resolves complex security solutions. Studies requirements, gathers technical information and plans creative and effective approach to protect computer system.

Education/Experience: BS in computer Science or related field + 2 years' experience

Commercial Job Title: Sr. Management Consultant

Functional Responsibility: Works independently and/or supervises a team of diverse specialists to resolve complex business operation problems with cost effective solutions. Must have the ability to present timely oral and written reports to top management officials in a clear and effective manner. Must be able to work effectively with all levels of personnel. Must possess strong background in all aspects of general business operations including knowledge of up to date technology business applications.

Education/Experience: Ph.D degree+ 10 years' experience

Commercial Job Title: Management Consultant III

Functional Responsibility: Works independently and/or supervises a team of diverse specialists to resolve complex business operation and financial problems with cost effective solutions. Must have the ability to present timely oral and written reports to top management officials in a clear and effective manner. Must be able to work effectively with all levels of personnel. Must possess strong background in all aspects of general business operations including knowledge of up to date technology business applications.

Education/Experience: MS degree + 10 years' experience

Commercial Job Title: Software Analyst II

Functional Responsibility: Performs routine technical tasks using standard programming methods and techniques. Develops segments of programs using program languages. Develops test routines and data. Tests all codes personally produced, and assists in the testing of the total program, documenting in standardized terminology, all procedures used. Provides theoretical analysis, where they may become either necessary or required, to assist in solving problems.

Education/Experience: BS degree plus 2 years of related experience performing routine design, coding, and documentation of application programs for computers and related equipment used for scientific projects.

Commercial Job Title: Information Services Expert - Senior

Minimum/General Experience: Twenty (20) years of information services experience with skills and expertise related to IT infrastructure management, IT systems engineering, operations research, and IT systems modernization and migration. Typically requires specialization in particular software or business application utilized in an end-user environment. Requires high level of diverse technical experience related to studying and analyzing systems needs, systems development, process analysis, design, and re-engineering. Keeps abreast of prevalent technological developments and applications.

Functional Responsibility: Serves as top-level technical expert supporting unlimited end-user groups. Works with user groups to solve business problems with available technology including hardware, software, databases, and peripherals.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Quality Assurance Analyst - Intermediate

Minimum/General Experience: Two (2) years of technical experience which applies to quality assurance (QA) techniques for IT systems, processes and services. Requires competence in system requirement development and testing techniques, concepts and methods; also requires knowledge of prevalent best practices in IT hardware, software and QA toolsets.

Functional Responsibility: Under general supervision, carries out procedures to ensure that all information systems, products and services meet minimum organization standards and end user requirements. Thoroughly tests software to ensure proper operation and freedom from defects. Documents and works to resolve all problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Performs workflow analysis and recommends quality improvements. Frequently reports to a Quality Assurance Manager.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Software Systems Engineer - Intermediate.

Minimum/General Experience: Seven (7) years of technical experience in software system engineering. Competence to work on most phases of software systems programming applications, but requires instruction and guidance in other phases.

Functional Responsibility: Under general supervision, works from specifications to develop or modify moderately complex software programming applications. Assists with design, coding, benchmark testing, debugging, and documentation of programs. Applications generally deal with utility programs, position control language, macros, subroutines, and other control modules.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Software Systems Engineer – Senior

Minimum/General Experience: Ten (10) years of technical experience in software system engineering. Competent to work at the highest technical level on all phases of software systems programming applications. Requires knowledge of prevalent software technologies, solutions and best practices.

Functional Responsibility: Formulates and defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. May have responsibility for the evaluation of new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: System Engineer

Minimum/General Experience: Seven (7) years of technical experience in system engineering. Requires competence in all phases of systems analysis techniques, best practices and methods; also requires knowledge of prevalent hardware, system software, devices, structure and management practices.

Functional Responsibility: Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Documentation Specialist - Intermediate

Minimum/General Experience: Four (4) years of technical experience in documentation in an IT environment. Competent to work on most phases of documentation for IT systems, applications, processes and procedures.

Functional Responsibility: Under general supervision, prepares and/or maintains systems, programming, and operations documentation, including user manuals. Maintains a current internal documentation library.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Documentation Specialist - Senior

Minimum/General Experience: Six (6) years of technical experience in documentation. Competent to work at the highest level of all phases of technical documentation for IT systems, applications, processes and procedures. May act as project leader for large documentation tasks.

Functional Responsibility: Responsible for preparing and/or maintaining systems, programming, and operations documentation, procedures, and methods including user manuals and reference manuals. Maintains a current internal documentation library. Provides or coordinates special documentation services as required.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: E-Business Manager

Minimum/General Experience: Seven (7) years of technical experience in E-business management. Requires knowledge of prevalent and emerging IT solutions and trends for electronic business applications. Must possess good communication and management skills.

Functional Responsibility: Sets direction and guides action plans and priorities of electronic commerce, marketing and communications. Develops and facilitates organizational models and structure changes needed to meet the evolving electronic business strategies. Establishes and implements enterprise-wide business systems.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: ERP Business Analyst – Intermediate

Minimum/General Experience: Eight (8) years of technical experience in enterprise resource planning (ERP). Requires knowledge in functional requirements development, workflow systems customization for client/server applications, and latest ERP tools/practices in industry.

Functional Responsibility: Under general supervision, serves as subject matter expert associated with content, processes, and procedures associated with enterprise applications. Applies functional knowledge to design and customize workflow systems that provide seamless integration for client/server applications. Writes functional requirements, develops test plans, and works with production issues.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Information Technology Services Specialist V

Minimum/General Experience: Twelve (12) years of technical experience in information technology services. Requires broad and deep knowledge of prevalent and emerging information technologies, solutions, best practices and trends. Also requires excellent communications skills both in writing and presentation.

Functional Responsibility: Responsible for IT strategic planning and oversight of enterprise architecture and information technology services for fulfilling the client's current and emerging business needs. Frequent interactions with stake-holders and end-users to understand current and future needs. Makes recommendations to address client's IT services objectives - such as system modernization, infrastructure migration and applications enhancements.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Information Technology Services Specialist IV

Minimum/General Experience: Nine (9) years of technical experience in information technology services. Has knowledge of prevalent IT technologies, solutions, software tools and best practices. Requires good communications skills in writing and presentation.

Functional Responsibility: Supports oversight of client's enterprise architecture, information technology services and software applications/systems for fulfilling the client's business needs. Interacts with stake-holders and end-users to understand the applications needs and problems. Supports systems implementation, modernization and software application enhancements. Makes recommendations and provides guidance to address agency's IT services requirements.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Information Technology Services Specialist III

Minimum/General Experience: Seven (7) years of technical experience in information technology services. Requires knowledge of prevalent computer-science and network expertise, IT solutions and development tools. Requires good inter-personal and communications skills.

Functional Responsibility: Under supervision, provides intermediate-level support for IT services operations, maintenance, enhancements and modernization of client's information systems and applications.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Information Technology Services Specialist II

Minimum/General Experience: Four (4) years of technical experience in information technology services. Requires knowledge of prevalent computer-science and network skills, IT solutions, development tools and hands-on implementation skills.

Functional Responsibility: Under supervision, performs tasks to support operations, maintenance, enhancements and modernization of agency's information systems and applications. Frequent interaction with end-users to address their routine IT services needs.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Information Technology Services Specialist I

Minimum/General Experience: Two (2) years of technical experience in information technology services. Requires basic knowledge of computer-science and network skills, IT solutions/tools and hands-on implementation skills.

Functional Responsibility: Under supervision, performs day-to-day tasks to support operations, maintenance, implementation, development and enhancements of information systems and applications. Frequent interaction with end-users to meet their day-to-day IT services needs.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Web Coordinator

Minimum/General Experience: Five (5) years of technical experience in coordination of web-site support and internet-based services. Must have the ability to work independently with little supervision, and make independent decisions. Must have experience related to Intranet and Internet development, and proficiency in web-related tools for graphics, page coding and design.

Functional Responsibility: Supports client's Web Master in all aspects of client web-site and web contents. Interacts with stake-holders and end-users to understand agency web-site needs. Performs tasks for Web Publishing, Evaluation, Contents Upgrade, Metric Reporting, Photo Gallery, Web Design, Social Media, Policy Research and Video Editing.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

Commercial Job Title: Technical Writer

Minimum/General Experience: Four (4) years of experience in technical writing for IT systems, applications processes and procedure. Requires good writing skills as well as proficiency in work processing and graphic publishing software tools. Also needs basic understanding of technical aspects of IT services and business applications.

Functional Responsibility: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document.

Minimum Education: Bachelor's Degree in Computer Science, Engineering or Information Technology or Equivalent

PRICE LIST

GSA Schedule GS-35F-0272S: Government Site Rates					
Product (Labor Category) Name	Yr 6 - GSA Schedule Rate (with IFF .9925)	Yr7 - GSA Schedule Rate (with IFF .9925)	Yr8 - GSA Schedule Rate (with IFF .9925)	Yr9 - GSA Schedule Rate (with IFF .9925)	Yr10 - GSA Schedule Rate (with IFF .9925)
Sr. Network Engineer or Network Engineer V	\$133.07	\$135.73	\$136.76	\$139.50	\$140.55
Network Engineer II	\$71.04	\$72.46	\$73.01	\$74.47	\$75.03
Sr. Security Engineer or Security Engineer V	\$133.07	\$135.73	\$136.76	\$139.50	\$140.55
Security Engineer II	\$71.04	\$72.46	\$73.01	\$74.47	\$75.03
Project Manager IV	\$116.31	\$118.64	\$119.53	\$121.93	\$122.85
Sr. Management Consultant or Management Consultant V	\$133.07	\$135.73	\$136.76	\$139.50	\$140.55
Management Consultant III	\$103.60	\$105.67	\$106.47	\$108.60	\$109.42
Software Analyst II	\$73.30	\$74.77	\$75.33	\$76.84	\$77.42
Information Services Expert - Senior.	\$160.06	\$163.26	\$164.49	\$167.78	\$169.05
Quality Assurance Analyst - Intermediate.	\$61.53	\$62.76	\$63.24	\$64.50	\$64.99
Software Systems Engineer - Intermediate.	\$90.26	\$92.06	\$92.76	\$94.61	\$95.33
Software Systems Engineer – Senior.	\$113.08	\$115.34	\$116.21	\$118.53	\$119.43
Systems Engineer.	\$81.69	\$83.32	\$83.95	\$85.63	\$86.27
Documentation Specialist - Intermediate.	\$48.38	\$49.35	\$49.72	\$50.71	\$51.10
Documentation Specialist - Senior.	\$56.01	\$57.13	\$57.56	\$58.71	\$59.16
E-Business Manager.	\$79.16	\$80.75	\$81.36	\$82.98	\$83.61
ERP Business Analyst - Intermediate.	\$88.25	\$90.02	\$90.70	\$92.51	\$93.21
Information Technology Services Specialist V.	\$112.96	\$115.22	\$116.09	\$118.41	\$119.31
Information Technology Services Specialist IV.	\$94.91	\$96.81	\$97.54	\$99.49	\$100.24
Information Technology Services Specialist III.	\$89.77	\$91.56	\$92.26	\$94.10	\$94.81
Information Technology Services Specialist II.	\$72.00	\$73.44	\$73.99	\$75.47	\$76.05
Information Technology Services Specialist I.	\$56.73	\$57.87	\$58.31	\$59.47	\$59.92
Web Coordinator	\$73.30	\$74.77	\$75.33	\$76.84	\$77.42
Technical Writer.	\$60.00	\$61.20	\$61.66	\$62.89	\$63.37

GSA Schedule GS-35F-0272S: Contractor Site Rates

Product (Labor Category) Name	Yr 6 - GSA Schedule Rate (with IFF) .9925	Yr7 - GSA Schedule Rate (with IFF .9925)	Yr8 - GSA Schedule Rate (with IFF .9925)	Yr9 - GSA Schedule Rate (with IFF .9925)	Yr10 - GSA Schedule Rate (with IFF .9925)
Sr. Network Engineer or Network Engineer V	\$149.52	\$152.51	\$153.66	\$156.74	\$157.92
Network Engineer II	\$79.82	\$81.42	\$82.03	\$83.68	\$84.31
Sr. Security Engineer or Security Engineer V	\$149.52	\$152.51	\$153.66	\$156.74	\$157.92
Security Engineer II	\$79.82	\$81.42	\$82.03	\$83.68	\$84.31
Project Manager IV	\$130.69	\$133.30	\$134.31	\$137.00	\$138.03
Sr. Management Consultant or Management Consultant V	\$149.52	\$152.51	\$153.66	\$156.74	\$157.92
Management Consultant III	\$116.40	\$118.73	\$119.63	\$122.02	\$122.94
Software Analyst II	\$82.36	\$84.01	\$84.64	\$86.33	\$86.99
Information Services Expert - Senior.	\$169.66	\$173.06	\$174.37	\$177.85	\$179.20
Quality Assurance Analyst - Intermediate.	\$65.22	\$66.53	\$67.03	\$68.37	\$68.89
Software Systems Engineer - Intermediate.	\$95.67	\$97.59	\$98.32	\$100.29	\$101.05
Software Systems Engineer – Senior.	\$119.86	\$122.26	\$123.18	\$125.65	\$126.60
Systems Engineer.	\$86.59	\$88.32	\$88.99	\$90.77	\$91.45
Documentation Specialist - Intermediate.	\$51.28	\$52.31	\$52.70	\$53.76	\$54.16
Documentation Specialist - Senior.	\$59.37	\$60.56	\$61.02	\$62.24	\$62.71
E-Business Manager.	\$83.91	\$85.59	\$86.24	\$87.96	\$88.63
ERP Business Analyst - Intermediate.	\$93.55	\$95.42	\$96.14	\$98.06	\$98.80
Information Technology Services Specialist V.	\$119.74	\$122.13	\$123.06	\$125.52	\$126.46
Information Technology Services Specialist IV.	\$100.60	\$102.62	\$103.39	\$105.46	\$106.26
Information Technology Services Specialist III.	\$95.15	\$97.06	\$97.79	\$99.75	\$100.50
Information Technology Services Specialist II.	\$76.32	\$77.85	\$78.43	\$80.00	\$80.61
Information Technology Services Specialist I.	\$60.14	\$61.34	\$61.80	\$63.04	\$63.52
Web Coordinator	\$77.70	\$79.25	\$79.85	\$81.45	\$82.06
Technical Writer.	\$63.60	\$64.87	\$65.36	\$66.67	\$67.17