

Technomics, Inc. - Labor Category Descriptions

SUBJECT MATTER EXPERT

Subject Matter Expert, Level 3		
<i><u>Education</u></i>	<i><u>Experience</u></i>	<i><u>Responsibilities</u></i>
PhD, preferably in engineering, technical or business degree with 15+ years relevant experience, or MS/MA with 25+ years relevant experience, or BS/BA with 35+ years relevant experience.	Possesses expertise in complex information technologies, simulations, models and operations research tools. Has briefed and advised senior-level decision makers on significant issues. Respected in the field and requested by name by visible customers.	Provides insight and guidance to senior-level decision makers on significant, high visibility issues associated with information technologies, simulations, models and operations research tools, with an emphasis on cost-related issues. Advises and briefs visible senior-level decision makers.
Subject Matter Expert, Level 2		
<i><u>Education</u></i>	<i><u>Experience</u></i>	<i><u>Responsibilities</u></i>
PhD, preferably in engineering, technical or business degree with 10+ years relevant experience, or MS/MA with 20+ years relevant experience, or BS/BA with 30+ years relevant experience.	Possesses expertise in complex information technologies, simulations, models and operations research tools. Has briefed and advised senior-level decision makers on significant issues. Respected in the field and requested by name by visible customers.	Provides insight and guidance to senior-level decision makers on significant, high visibility issues associated with information technologies, simulations, models and operations research tools, with an emphasis on cost-related issues. Advises and briefs visible senior-level decision makers.

SENIOR CONSULTANT

Senior Consultant		
<i><u>Education</u></i>	<i><u>Experience</u></i>	<i><u>Responsibilities</u></i>
PhD, preferably in engineering, technical or business degree with 5+ years relevant experience, or MS/MA with 13+ years relevant experience, or BS/BA with 20+ years relevant experience.	Possesses expertise in complex information technologies, simulations, models and operations research tools. Has briefed and advised senior-level decision makers on significant issues.	Provides insight and guidance to senior-level decision makers in the development of solutions and recommendations associated with information technologies, simulations, models and operations research tools, with an emphasis on cost-related issues. Is responsible for providing leadership and vision to client and project teams and serves as a key facilitator between multiple teams.

SENIOR SCIENTIST/PROGRAM MANAGER

Senior Scientist/Program Manager, Level 3		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
Advanced (Masters or PhD) engineering, technical or business degree with 14+ years of Management experience and 20+ years of total technical analysis experience.	Has the ability to analyze, design, develop, implement and maintain complex information systems, simulations, models and operations research tools and an engineering understanding of a broad range of information technologies and systems. Conducts technical planning, problem identification, methods development, methods implementation, engineering and statistical analyses and technical supervision of other technical personnel	Conducts engineering studies of information technology systems including radio communications, computers, computer peripherals, computer programming, audio/video, and other electronics systems. Designs study methodology, collects information regarding technical performance and cost of IT systems, analyzes technical performance of IT systems, establishes technical baselines, develops and applies analytical tools, produces data bases, synthesizes new designs, examines cost/effectiveness of alternatives and documents analysis. Responsible for effective and timely customer communications, coordination of program activities, program organization, management of program schedule and cost, technical review of program progress and completed products.
Senior Scientist/Program Manager, Level 2		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
Advanced (Masters or PhD) engineering, technical or business degree with 10+ years of management experience and 16+ years of total technical analysis experience.	Has the ability to design, develop, implement and maintain complex information systems, simulations, models and operations research tools and an engineering understanding of a broad range of information technologies and systems. Has conducted technical planning, problem identification, methods development, methods implementation, engineering and statistical analyses and technical supervision of other technical personnel	Conducts engineering studies of information technology systems including radio communications, computers, computer peripherals, computer programming, audio/video, and other electronics systems. Designs study methodology, collects information regarding technical performance and cost of IT systems, analyzes technical performance of IT systems, establishes technical baselines, develops and applies analytical tools, produces data bases, synthesizes new designs, examines cost/effectiveness of alternatives and documents analysis. Also responsible for effective and timely customer communications, coordination of program activities, program organization, management of program schedule and cost, technical review of program progress and completed products.
Senior Scientist/Program Manager, Level 1		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
Bachelor's degree preferably in engineering, technical or business degree with 8+ years of management experience and 13+ years of total technical analysis experience. <i>*A PhD will substitute for four years and a Masters degree will substitute for two years of the technical analysis requirement.</i>	Has the ability to design, develop, implement and maintain complex information systems, simulations, models and operations research tools and an engineering understanding of a broad range of information technologies and systems. Has conducted technical planning, problem identification, methods development, methods implementation, engineering and statistical analyses and technical supervision of other technical personnel	Conducts engineering studies of information technology systems including radio communications, computers, computer peripherals, computer programming, audio/video, and other electronics systems. Designs study methodology, collects information regarding technical performance and cost of IT systems, analyzes technical performance of IT systems, establishes technical baselines, develops and applies analytical tools, produces data bases, synthesizes new designs, examines cost/effectiveness of alternatives and documents analysis. Also responsible for effective and timely customer communications, coordination of program activities, program organization, management of program schedule and cost, technical review of program progress and completed products.

SENIOR ENGINEER/ANALYST

Senior Engineer/Analyst, Level 2		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with 10+ years of technical analysis experience and 4 years of project management experience.</p> <p><i>*A PhD will substitute for four years and a Masters degree will substitute for two years of the technical analysis requirement.</i></p>	<p>Has engineering knowledge of the information technologies. Requires the ability to analyze, design, develop, implement and maintain complex information systems, simulations, models and operations research tools. Has developed and implemented methods, conducted engineering and statistical analyses and technically supervised subordinate personnel.</p>	<p>Works for the Program Manager to insure product meets customer needs and complies with quality standards. Responsible for task planning and organization, directing subordinate personnel and conducting systems analysis, research and training involving a broad range of information technologies. Acquires information regarding technical performance and cost of IT systems, analyzes technical performance of IT systems, supports establishment of technical baselines, develops and applies analytical tools, produces data bases, supports synthesis of new designs, examines cost/effectiveness of alternatives and documents analysis. Communicates with customer, coordinates activities, manages project schedule and cost and conducts technical review of project progress.</p>
Senior Engineer/Analyst, Level 1		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with 8+ years of technical analysis experience and 2 years of project management experience.</p> <p><i>*A PhD will substitute for four years and a Masters degree will substitute for two years of the technical analysis requirement.</i></p>	<p>Has engineering knowledge of the information technologies. Requires the ability to analyze, design, develop, implement and maintain complex information systems, simulations, models and operations research tools. Has developed and implemented methods, conducted engineering and statistical analyses and technically supervised subordinate personnel.</p>	<p>Works for the Program Manager to insure product meets customer needs and complies with quality standards. Responsible for task planning and organization, directing subordinate personnel and conducting systems analysis, research and training involving a broad range of information technologies. Acquires information regarding technical performance and cost of IT systems, analyzes technical performance of IT systems, supports establishment of technical baselines, develops and applies analytical tools, produces data bases, supports synthesis of new designs, examines cost/effectiveness of alternatives and documents analysis. Communicates with customer, coordinates activities, manages project schedule and cost and conducts technical review of project progress.</p>

ENGINEER/ANALYST

Engineer/Analyst, Level 2		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with 6+ years of technical analysis experience.</p> <p><i>*A PhD will substitute for four years and a Masters degree will substitute for two years of the technical analysis requirement.</i></p>	<p>Technical understanding of many information technologies. Analysis, design, development and implementation of information systems, models, databases, simulations and operations research tools. Conducted engineering and statistical analyses. Managed tasks within larger projects or programs.</p>	<p>Participates in systems analysis and research including acquiring information regarding technical performance and cost of IT systems, analysis of technical performance of IT systems, supporting establishment of technical baselines, application of analytical tools, development of data bases, supporting synthesis of new designs, examining cost/effectiveness of alternatives and documenting analysis. Receives technical guidance or consults with senior research analysts or scientists for difficult or complex problems. Submits work for review to a Senior Engineer/Analyst or Senior Scientist/Program Manager to ensure that it is technically accurate, meets customer needs, and Technomics' quality standards. Responsible for planning and conducting evaluation, selection and adaptation or modification of technical analysis methods and tools.</p>
Engineer/Analyst, Level 1		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with 4+ years of technical analysis experience.</p> <p><i>*A PhD will substitute for four years and a Masters degree will substitute for two years of the technical analysis requirement.</i></p>	<p>Technical understanding of many information technologies. Analysis, design, development and implementation of information systems, models, data bases, simulations and operations research tools. Conducted engineering and statistical analyses. Managed tasks within larger projects or programs.</p>	<p>Participates in systems analysis and research including acquiring information regarding technical performance and cost of IT systems, analysis of technical performance of IT systems, supporting establishment of technical baselines, application of analytical tools, development of data bases, supporting synthesis of new designs, examining cost/effectiveness of alternatives and documenting analysis. Receives technical guidance or consults with senior research analysts or scientists for difficult or complex problems. Submits work for review to a Senior Engineer/Analyst or Senior Scientist/Program Manager to ensure that it is technically accurate, meets customer needs, and Technomics' quality standards. Responsible for planning and conducting evaluation, selection and adaptation or modification of technical analysis methods and tools.</p>

JUNIOR ENGINEER/ANALYST

Junior Engineer/Analyst, Level 2		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with 2+ years of technical analysis experience.</p> <p><i>*A Masters degree will substitute for two years of the technical analysis requirement.</i></p>	<p>Supported analysis, design, development and implementation of information systems, data bases, models, simulations and operations research tools.</p> <p>Conducted basic engineering and statistical analyses.</p>	<p>Supports systems analysis and research including acquiring information regarding technical performance and cost of IT systems, analysis of technical performance of IT systems, establishment of technical baselines, application of analytical tools, development of data bases and documenting analysis. Receives technical guidance or consults with engineers/analysts or senior engineers/analysts. Submits work for review to higher level personnel to ensure that it is technically accurate, meets customer needs, and Technomics' quality standards.</p>
Junior Engineer/Analyst, Level 1		
<u>Education</u>	<u>Experience</u>	<u>Responsibilities</u>
<p>Bachelor's degree preferably in engineering, a technical discipline or business with up to 2 years of technical analysis experience.</p>	<p>Supported analysis, design, development and implementation of information systems, data bases, models, simulations and operations research tools.</p> <p>Conducted basic engineering and statistical analyses.</p>	<p>Supports systems analysis and research including acquiring information regarding technical performance and cost of IT systems, analysis of technical performance of IT systems, establishment of technical baselines, application of analytical tools, development of data bases and documenting analysis. Receives technical guidance or consults with engineers/analysts or senior engineers/analysts. Submits work for review to higher level personnel to ensure that it is technically accurate, meets customer needs, and Technomics' quality standards.</p>