

Journeyman Project/Program Management

Workshop Course U160 • 4 DAYS



You Will Learn How To:

- Plan for the successful delivery of a complex government project
- Define the requirements and manage the development of IT systems
- Create a Work Breakdown Structure (WBS) and a plan for total life cycle system management - an Integrated Master Plan (IMP)
- Develop a Total Cost of Ownership (TCO) estimate
- Apply a process to identify, analyze and manage threats and opportunities



Active Learning Workshop:

- Creating and analyzing a program/project goal statement
- Developing a product-oriented Work Breakdown Structure
- Building an Integrated Master Plan
- Determining contract-aware fees
- Deciding on a software engineering life cycle and building a use case
- Assessing a risk management plan including threats and opportunities

About This Course: Successful government program managers are adept at developing a plan for total project life cycle system management - an Integrated Master Plan. Throughout this course, you gain knowledge in managing complex programs, software engineering principles, requirements development, management and traceability methods, testing and system validation processes.

Course Content ► Workshop Course U160 • 4 DAYS

Introducing the FAC-P/PM Program

- Clarifying the FAC-P/PM initiative
- Describing acquisition reforms
- Establishing a culture of accountability
- Identifying government and contractor equities

Project Management Fundamentals

Managing projects

- Defining project and program management
- Outlining the project management process

Evaluating project objectives and planning

- Defining the project goals
- Planning the work that needs to be completed

Project scope and schedule

- Determining the project scope
- Applying estimating techniques
- Assessing scheduling tools and methods

Building an Integrated Master Plan (IMP)

Building a product-oriented Work Breakdown Structure (WBS)

- Commonly found products
- Decomposing the WBS
- Best practices checklist
- Standardizing the WBS within your agency

Developing an Integrated Master Schedule (IMS)

- Benefiting from an Integrated Master Schedule
- The relationship between the IMP and IMS

Managing the Contractor

Defining the procurement process

- Comparing the make-or-buy analysis
- Source selection and evaluating the proposals
- Administering and closing the procurement process

Evaluating contract types

- Calculating a fixed-price contract
- Analyzing different types of contracts and associated risks
- Navigating through the cost-reimbursable contracts
- Examining the time and material contracts
- Determining the aware fee

Applying Software Engineering to the Software Development Process

Developing and managing a process

- Enterprise analysis
- Appraising decision analysis methods for software architecture
- Evaluating Agile development methodologies

Developing and managing requirements

- Developing a requirements model
- Writing a use case
- Managing changes to requirements

Designing and implementing

- Identifying multitier architecture
- Incorporating the implementing phase into the project

Implementing a Program/Project Quality System

Ensuring project quality

- Charting the quality and grade of the software product
- Differentiating project quality theories

Planning and controlling quality

- Describing the quality plan
- Recognizing the seven quality planning tools
- Improving the process
- Evaluating performance quality data to execute quality assurance
- Analyzing the tools and techniques used to control quality

Managing Risks and Opportunities

Identifying and analyzing risks

- Drafting a program/project risk management plan
- Identifying program/project risks and opportunities
- Assessing impacts and probabilities
- Evaluating risk response strategies

Monitoring and controlling risks

- Implementing a risks/opportunities management plan
- Evaluating strategies

Estimating Total Cost of Ownership (TCO)

- Factors impacting the TCO
- Applying estimation techniques
- Performing cost-benefit trade-offs

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— D. Ridley, General Manager, Technical Services, Samsung ”



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