

## FAC-P/PM-IT: Planning and Management

Workshop Course U210 • 5 DAYS



### You Will Learn How To:

- Implement the principles, methods, and tools for the configuration management of an IT program
- Identify, organize and maintain information with data models, warehousing/mining and the use of IMS
- Integrate dependent schedules, deliverables and artifacts for the management of multiple IT projects.



### Active Learning Workshop:

- Creating an IT configuration management plan
- Comparing different investment strategies
- Preparing an acquisition strategy
- Analyzing a systems engineering strategy
- Developing a test and evaluation plan
- Managing risks and issues for an IT investment

**About This Course:** Acquisition/project professionals require configuration management skills, as well as the ability to gather information, organize and maintain information on IT management systems. In this course, you develop the skills to coordinate the management of an IT program while focusing on oversight of multiple IT projects, integrating dependent schedules, deliverables and artifacts.

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

### Course Content ► Workshop Course U210 • 5 DAYS

#### Introduction

- Appreciating the FAC-P/PM-IT certification
- Managing government programs/projects in an IT environment
- Working with the federal “Triad” and the IT dashboard

#### Planning Strategic Information Resources

##### Developing an IT strategy

- Implementing governance and industry practices
- Measuring resource gaps and planning capacity
- Interpreting IT rules and regulations: GPRA, GPRA Modernization Act, Paperwork Reduction Act and Clinger-Cohen Act

##### Formulating an IT investment

- Developing organizational vision and mission statements
- Applying Capital Planning and Investment Control (CPIC)
- Building a strategic Information Resource Management (IRM) plan
- Instituting an IT contingency and disaster recovery plan

#### Managing Your IT Program

##### Managing IT program finances

- Developing the OMB business case
- Applying break-even, present value, return on investment and cost-benefit analyses

##### Addressing IT system acquisition

- Monitoring performance measures, requirements stability and earned value
- Tracking information needs and quality assurance
- Developing an acquisition strategy (contract types, performance-based solicitation, QASP)

##### Engineering systems and software

- Employing technical and management processes
- Relating systems engineering and enterprise architecture
- Choosing between plan-driven and Agile methodologies

##### Testing, Verification and Validation (V&V)

- Validating an IT system
- Considering test types in the V system
- Modeling and simulation

#### Organizing and Managing Information

##### Structuring data

- Presenting data and application software
- Virtualizing and Software as a Service (SaaS)
- Adhering to law and policies: FOIA, FRA, e-Government act, FISMA, OMB Circular A-130, Management of Federal IT resources

##### Designing data models

- Creating metadata and data schema
- Improving throughput, response time and precision
- Generating transaction and design patterns

##### Constructing Information Management Systems (IMS)

- Mining data
- Structuring data types
- Creating cloud and client solutions
- Managing document content
- Building portals and dashboards

#### Implementing Configuration Management

##### Coordinating configuration management in an IT environment

- Planning configuration management for an IT system
- Facilitating configuration change
- Baseline IT artifacts

##### Controlling Configuration Items (CIs)

- Tracking software builds and configuration functions
- Managing CIs
- Reporting on the status of CIs

##### Defining configuration management roles

- Distinguishing roles and responsibilities of the configuration team
- Establishing a change control board
- Implementing work flow and work authorizations

#### Incorporating New Technologies

- Identifying current and emerging technologies
- Defining organizational requirements for new technologies
- Recognizing trends and risks in hardware, software and telecommunications



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