### PQM 101.U01.01 Objectives

**Given a scenario, accurately identify IPT/IPPD functions and the input of manufacturing and quality required to meet the user's needs through integrated management planning.**

- **PQM 101.U01.01.01** Identify key elements of manufacturing process planning.
- **PQM 101.U01.01.02** Identify key elements of quality assurance planning.

### PQM 101.U02.01 Objectives

**Given choices, correctly identify the basic criteria and elements of a manufacturing and quality assurance system.**

- **PQM 101.U02.01.01** Recognize the concept of control systems and its relationships to quality and productivity, given the role in the design phase.
- **PQM 101.U02.01.02** Recognize the definitions of a product’s key characteristics, a process’ key characteristics and capability analysis.
- **PQM 101.U02.01.03** Identify key fundamental elements of a manufacturing system.
- **PQM 101.U02.01.04** Recognize the elements of an effective quality assurance system.
- **PQM 101.U02.01.05** Recognize the role production and quality assurance personnel perform in the demilitarization property.

### PQM 101.U03.01 Objectives

**Given various scenarios and problems, correctly apply mechanics of problem-solving tools and perform required calculations.**

- **PQM 101.U03.01.01** Recognize the purpose of using the seven basic statistical methods.
- **PQM 101.U03.01.02** Match which tools are most appropriate for use in process identification.
- **PQM 101.U03.01.03** Distinguish the advantages and disadvantages of using attributes or variable data.
- **PQM 101.U03.01.04** Describe the difference between specification limits and process control limits.
- **PQM 101.U03.01.05** Describe the difference between process capability and process performance.
- **PQM 101.U03.01.06** Perform analytical process evaluations utilizing process control limits.

### PQM 101.U04.01 Objectives

**Given various selections, correctly recognize the output of various electronic tools.**

- **PQM 101.U04.01.01** Identify the need for new tooling concepts, and list the advantages and dangers when employing these tools.
- **PQM 101.U04.01.02** Describe the purpose, components, and benefits of Flexible Computer Integrated Manufacturing Systems (FCIM).
- **PQM 101.U04.01.03** Describe Virtual Prototyping and identify its key components.
- **PQM 101.U04.01.04** Identify the policies, advantages and applications for Modeling and Simulation.

### PQM 101.U05.01 Objectives

**Given various scenarios, correctly recognize the policies and procedures for avoiding improper business practices and conflicts of interest.**

- **PQM 101.U05.01.01** Recognize various situations for avoiding improper business practices and conflicts of interest.
- **PQM 101.U05.01.02** Recognize the process/procedure for solving ethical problems.

### PQM 101.U06.01 Objectives

**Given choices, correctly distinguish the role of manufacturing and quality in the source selection process in an IPT environment.**

- **PQM 101.U06.01.01** Recognize the purpose and key events of the Source Selection Process.
- **PQM 101.U06.01.02** Describe the role of manufacturing and quality in developing RFPs and evaluating potential contractor proposals.
- **PQM 101.U06.01.03** Describe the role Production and Quality Assurance has during a Pre-Award Survey.
- **PQM 101.U06.01.04** Identify the basic types of contracts, warranties and incentives.
- **PQM 101.U06.01.05** Identify the various contract types and associated incentives, including other incentive approaches such as award fees and performance incentives.
- **PQM 101.U06.01.06** Identify the basic warranty and the statutory requirements imposed upon DoD.

### PQM 101.U07.01 Objectives

**Recognize the basic elements of the contract administration process.**

- **PQM 101.U07.01.01** Recognize the relationship between the delegation process and the functions who interface with it, such as the Program Office, Contract Administration Office and technical activities.
- **PQM 101.U07.01.02** Identify the contract administration service functions applicable to production and quality assurance.
- **PQM 101.U07.01.03** Identify the elements of the contract administration process, including automatic delegation in accordance with (IAW) the FARs/DFARs.
- **PQM 101.U07.01.04** Recognize the role of the Post Award Orientation Conference.

### PQM 101.U08.01 Objectives

**Given a scenario, conduct an analysis by calculating a progress payment and a physical progress review for completion percentage.**

- **PQM 101.U08.01.01** Calculate a Progress Payment and a physical completion rate.
- **PQM 101.U08.01.02** Recognize the requirements for technical support to negotiations (analysis of contractor cost proposals).
- **PQM 101.U08.01.03** Recognize the role production and quality assurance personnel have in the IPPD/IPT context, when Earned Value requirements are invoked in a contract.
- **PQM 101.U08.01.04** Describe the tools used by manufacturing and quality specialists in evaluating contractor’s proposals.
- **PQM 101.U08.01.05** Identify the purpose of conducting technical evaluations.
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<th>Course Learning/Performance Objectives followed by enabling learning objectives</th>
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<td><strong>PQM 101.U08.01.06</strong> Identify the role of fact-finding in the proposal evaluation process.</td>
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<td><strong>PQM 101.U08.01.07</strong> Define Price Analysis, Cost Analysis and Cost Realism and understand the differences between them.</td>
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<td><strong>PQM 101.U08.01.08</strong> Describe supporting contract administration, including responsibilities and when it may be required.</td>
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<td><strong>PQM 101.U08.01.09</strong> Describe the functions, applicability, requirements and responsibilities for production surveillance.</td>
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<td><strong>PQM 101.U08.01.10</strong> Identify the policies governing the use of progress payments as a means of contract financing.</td>
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<td><strong>PQM 101.U09.01</strong> Given examples, recognize the impact of current DoD policies as they relate to industrial capabilities IAW the defense Industrial Capabilities Handbook.</td>
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<td><strong>PQM 101.U09.01.01</strong> Identify current DoD policies relative to Industrial Capabilities.</td>
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<td><strong>PQM 101.U09.01.02</strong> Identify the roles and responsibilities of the technical specialist relevant to industrial capabilities.</td>
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<td><strong>PQM 101.U10.01</strong> Recognize the DoD acquisition risk management process within and IPPD/IPT environment.</td>
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<td><strong>PQM 101.U10.01.02</strong> Identify the basic categories and examples of risk for acquisition programs.</td>
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<td><strong>PQM 101.U10.02</strong> Given the elements of various Environment, Safety and Health Planning (ESH) laws and regulations, determine the impacts they have on production and quality management.</td>
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<td><strong>PQM 101.U10.02.01</strong> Identify key ESH laws and regulations.</td>
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<td><strong>PQM 101.U10.02.02</strong> Identify the elements of MIL-STD-882C and NAS411.</td>
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<td><strong>PQM 101.U10.02.04</strong> Recognize personal, government, and contractor liability under ESH laws and regulations.</td>
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