

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

PQM 301 - ADVANCED PRODUCTION AND QUALITY MANAGEMENT

PQM 301	Competency	Yes	No	Work Description/Justification
	Acquisition System Knowledge			
1	Define the impact of a changing quality paradigm on the manufacturing and quality assurance (QA) community.			
2	Show the current systems acquisition life cycle phases as well as major activities to be accomplished within the acquisition management system framework.			
3	Apply the principles of Integrated Product and Process Development (IPPD) via the use of the Systems Engineering Process (SEP) and Integrated Product Teams (IPTs).			
4	Given access to a system acquisition, analyze the maturity of a manufacturing and/or quality assurance organization's involvement in an IPT.			
5	Classify Systems Engineering and/or SEP in terms of when it is applied, who applies it, and the results of each SEP application.			
6	Evaluate the effectiveness of a risk management process in an IPPD/ IPT environment.			

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

PQM 301 - ADVANCED PRODUCTION AND QUALITY MANAGEMENT

PQM 301	Competency	Yes	No	Work Description/Justification
7	Use an ethical decision-making model (GKC) to establish the major elements and relationships for deploying new quality and IPPD paradigms within an organization.			
8	Given the discussions and exercise, identify the basic principles associated with manufacturing and quality assurance.			
9	Demonstrate an understanding of several functional tools associated with manufacturing and quality assurance.			
10	Derive a design-build package through the integration of various technical disciplines within an IPPD Team environment.			
11	Given access to a system acquisition, select the appropriate analytical tools to resolve production and quality assurance problems, and analyze the interrelationships of these tools.			
12	Derive customer requirements using an analytical tool (QFD).			
13	Derive key factors for process control using an analytical tool (DOE) in an IPT environment.			

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

PQM 301 - ADVANCED PRODUCTION AND QUALITY MANAGEMENT

PQM 301	Competency	Yes	No	Work Description/Justification
14	Assess the effectiveness of manufacturing and quality assurance systems and processes.			
15	Summarize the differences between craft, mass, and lean design and production principles and practices, and derive a synthesized approach to Government oversight.			
16	Integrate current industrial base laws, policies, initiatives, and issues into acquisition program plans, and explain the DoD process to be used when a critical Defense-unique industrial capability is needed and appears to be endangered.			
17	Summarize the key aspects of topical initiatives, and assess their impacts on both the contractor and the Government.			
18	Explain the impact of environmental, safety, and health (ESH) related laws, Executive Orders, policies, and regulations on the way DoD acquisition managers control the design, manufacture, and Life Cycle Cost of DoD weapons systems.			
19	Identify the implications of contractor proposed manufacturing and QA systems and processes in the new acquisition environment.			

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

PQM 301 - ADVANCED PRODUCTION AND QUALITY MANAGEMENT

PQM 301	Competency	Yes	No	Work Description/Justification
20	Explain the implications of new policies and issues in establishing a new acquisition environment.			
21	Demonstrate an ability to use electronic tools to capture manufacturing and quality assurance information, and explain the inputs and outputs of electronic tools.			
22	Evaluate the interrelationships of the inputs and outputs of factory simulation models to optimize factory capacity and flow.			
23	Describe contractor cost accounting systems and how these systems are used by Government personnel to evaluate Technical Support of Negotiations (TSNs).			

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

PQM 301 - ADVANCED PRODUCTION AND QUALITY MANAGEMENT

PQM 301	Competency	Yes	No	Work Description/Justification
24	Explain how to use the Request for Proposal, source selection, and contracting process and documentation to support the translation of technical (production/QA) goals and initiatives to the contractor.			
25	Assess the degree of effectiveness of warranty programs.			
26	Explain when to apply Value Engineering principles within the systems acquisition life cycle.			
27	Given access to a system acquisition, evaluate the manufacturing and quality assurance contract requirement (SOW/SOO/ RFP/Source Selection).			