

**COMPETENCIES  
EMPLOYEE SELF-ASSESSMENT**

**PQM 201 – INTERMEDIATE PRODUCTION, QUALITY AND MANUFACTURING**

<b>PQM 201</b>	<b>Competency</b>	<b>Yes</b>	<b>No</b>	<b>Work Description/Justification</b>
1	Relate the impact of the on-going acquisition initiatives to the current life cycle and production and quality management concerns.			
2	Apply knowledge of the purpose, policy and procedures for conducting Market Research.			
3	Provide inputs to prepare the following sections of a Request for Proposal (RFP) for a major weapon system: (a) C (Performance Specification, Statement of Objectives); (b) E (Contract Quality Requirements); (c) L (Instructions to Offerors); and, (d) M (Evaluation factors for award).			
4	Describe the elements of a good manufacturing plan.			
5	Develop the type of information required and apply the processes involved in creating a Work Breakdown Structure, a bill-of-materials, a parts list, route sheets, operations process charts, and manufacturing plans.			
6	Describe the principles, concepts, benefits, and practices associated with Lean Manufacturing.			
7	Recognize the concepts of quality function deployment (QFD).			

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8	Distinguish between the definitions of product key characteristics and process key characteristics.			
9	Given a bill-of-materials, manufacturing plan, contract schedule, approved progress payment requests, and the results of a physical inventory count following the manufacturing plan, analyze the contractor's production progress and make a recommendation regarding continuing progress payments.			
10	Recognize and apply the different methods of estimating costs, such as, the comparison methods, engineering method, and learning curves.			
11	Describe the policies and procedures governing the use of progress payments as a means of contract financing.			
12	Describe the fundamental elements of a production management system, and describe the concepts of control systems as they relate to production and quality management.			
13	Given access to a system acquisition, assess the effectiveness of Quality Assurance and Manufacturing systems and processes IAW DoDD 5000.1, DoD 5000.2-R, DRARS MMAS, and Non-Government quality standards.			
14	Recognize whether a quality system meets the requirements of an effective basic quality system.			

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15	Recognize other quality assurance and manufacturing concepts and practices, such as JIT, the theory of constraints, and MRP/MRP II systems.			
16	Describe and apply the activities associated with the various quality audit techniques.			
17	Identify the basic concepts relating to the control of nonconforming products.			
18	Recognize the concepts of Design of Experiments, and the Taguchi Loss Function.			
19	Given the output from a statistical process control system and knowledge of required system specifications, perform a process capability and process performance analysis and identify actions to be taken to improve process performance and reduce the amount of non-conforming produce.			
20	Recognize the policies and procedures for avoiding improper business practices and conflicts of interest IAW Government standards of conduct.			
21	Describe the principles and tools of variation reduction to include statistical process control and Six Sigma.			
22	Be able to plan and participate in a production/manufacturing readiness review.			
23	Describe the elements of an integrated supply chain.			