



DEFENSE ACQUISITION UNIVERSITY EMPLOYEE SELF-ASSESSMENT

CMQ 260 - Failure Mode Effects Analysis

Note:

- Provide a justification(s) package referencing the numbered outcomes as appropriate on separate paper.
- Only the numbered outcomes (bold font) need to be addressed.
- The enablers (indented if specified) are provided to ensure the outcome is sufficiently addressed.
- The **Achieved** column is for use by the initial (functional) evaluator.
- Attach this guide with the justification to the DD form 2518 for a complete package.

150516

Outcomes and Enablers		Achieved?	
		Yes	No
1	Given a scenario involving a product, the student will be able to examine a failure to determine the Failure Mode Effects and Criticality Analysis (FMECA) probability of occurrence.		
	Interpret the importance of QA within DCMA's vision, mission, and core values.		
	Identify the DCMA's organizational relationship to the acquisition community.		
	Recognize the missions of the four QA Executive Directorate divisions: Process Management, Information Management, Resource Management, and Quality Engineering.		
	Examine the key organizational structure of the Operations Directorate and QA Division.		
	Recognize the responsibilities of the QA, Operations, Special Programs, and International directorates under the DCMA organization.		
2	Given a scenario involving a product, you will be able to identify the steps to rank and examine a failure to determine the Failure Mode Effects and Criticality Analysis (FMECA) Severity level/class.		
	Define FMECA probability of occurrence.		
	Given a sample product, identify failure mechanisms that lead to FMECA probability of occurrence.		
	Given a sample product, examine a failure to determine the FMECA probability of occurrence.		
3	Given a scenario involving a product, assess Failure Mode Effects and Criticality Analysis (FMECA) criticality.		
	Define FMECA criticality.		
	Given a scenario with a sample product, identify how the FMECA criticality is calculated.		
	Given a scenario with a sample product, assess a failure to determine the FMECA criticality.		
4	Given a scenario involving a product failure with identified risks, assess risk mitigation techniques.		
	Outline risk mitigation techniques		
	Evaluate the risk mitigation technique for each identified risk, when given a product failure with identified risks		
5	Given a scenario involving a process failure, identify the team review steps for a Process Failure Modes and Effects Analysis (PFMEA).		
	Define PFMEA		
	Identify the purpose of PFMEA		
	Identify the steps of a PFMEA team review		
6	Given a scenario involving a process, evaluate a failure using the Process Failure Modes and Effects Analysis (PFMEA).		
	Given a scenario of a sample process, evaluate each step of the PFMEA team review		
	Given a scenario of a sample process, evaluate the risk mitigation technique for each identified risk		
7	Upon completion of this Course Summary, you will be able to recall the major highlights of the Failure Modes and Effects Analysis course.		
	Reviews key points addressed during the course		



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	Discusses how the material in this course impacts your job		
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