



DEFENSE ACQUISITION UNIVERSITY EMPLOYEE SELF-ASSESSMENT

LOG 211 - Supportability 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.

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Outcomes and Enablers		Achieved?	
		Yes	No
1	Maintain Product Support across a system's life cycle through application of Supportability Analysis process in formulating and refining the Life-Cycle Sustainment Plan		
	Relate supportability, the Integrated Product Team, and the Life Cycle Logistician, to the Acquisition Life Cycle Process		
	Analyze the evolution of the Initial Capabilities Document/Capability Development Document and its role in product supportability		
	Analyze the importance of the Life Cycle Sustainment Plan in the evolution of the product support strategy across the acquisition life cycle.		
	Examine the continuous/periodic review of and updates to the Life Cycle Sustainment Plan and other documents		
	Analyze the impact of supportability on both design and sustainment domains		
2	Analyze Measures of Effectiveness to ensure a supportable design		
	Distinguish the relationships between Measures of Effectiveness, Key Performance Parameters/Key System Attributes, Measures of Performance, Measures of Suitability and Technical Performance Measures		
	Analyze the JCIDS Sustainment Measures of Effectiveness and their maturity over the system life cycle		
	Analyze candidates for supportability Technical Performance Measures		
	Analyze achievable sustainment candidates for promotion to capability and contractual design documents		
	Establish evaluation criteria for each sustainment metric to validate design performance		
	Monitor sustainment metrics to assure the system meets supportability design criteria		
3	Generate Logistics Product Data/GEIA-STD-0007 Database		
	Analyze the impact of Logistics Product Data and the database on Supportability and Supportability Analysis		
	Examine steps to initialize and exchange Logistics Product Data		
	Examine operations an LCL performs to validate a system's product structure and LPD		
	Examine the communications chain for reporting and resolving issue with the LPD and database		
4	Conduct Reliability & Maintainability (R&M) Allocation, Modeling, Prediction, and Analysis		
	Relate R&M Allocation, Modeling, Prediction and Analysis to Supportability and Supportability Analysis		
	Distinguish requirements and other data sources to be used for Supportability Analysis in R&M processes		
	Apply the R&M Allocation, Modeling, Prediction and Analysis process to Supportability		
5	Examine Failure Modes, Effects and Criticality Analysis (FMECA) and Fault Tree Analysis (FTA) processes and their impact on Supportability		
	Distinguish the differences between Failure Modes, Effects and Criticality Analysis (FMECA) and Fault Tree Analysis (FTA)		
	Analyze the impact of FMECA/FTA on Supportability and Supportability Analysis		
	Examine FMECA/Fat planning considerations, analysis tools, and data inputs		
	Examine the FMECA analytical process and its steps		
	Examine the FTA analytical process and its steps		
	Examine reporting requirements and communication paths for managing FMECA/FTA results		
6	Conduct Software Supportability Analysis		
	Relate Software Supportability Analysis to Supportability and Supportability Analysis		
	Examine Software Supportability Analysis		
	Compare the information identified through the Software Supportability Analysis with the data contained in the Logistics Product Data/Database		
	Analyze the impact of Software Supportability Analysis on system design and Product Support		



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7	Examine Reliability Centered Maintenance (RCM) analysis processes and contribution to Supportability and Supportability Analysis		
	Analyze the impact of Reliability Centered Maintenance (RCM) on Supportability and Supportability Analysis		
	Examine RCM Analysis planning considerations, analysis tools and data inputs		
	Examine the RCM analytical process and its steps		
	Analyze failure maintenance strategy options resulting from RCM Analysis		
	Relate RCM to the Condition Based Maintenance Plus (CBM+) process		
	Examine diagnostic, prognostic and health management capabilities in the CBM+ process and their impact on Supportability and Supportability Analysis		
	Examine reporting requirements and communication paths for managing RCM Analysis results		
8	Conduct a Maintenance Task Analysis		
	Relate Maintenance Task Analysis (MTA) to Supportability Analysis		
	Relate Maintenance Task Analysis (MTA) to Level of Repair Analysis		
	Compare the data contained in the Logistics Product Data with evaluations performed in the Maintenance Task Analysis		
	Relate Maintenance Task Analysis (MTA) to Product Support Analysis		
	Relate Maintenance Task Analysis (MTA) to Product Support Package		
	Relate Maintenance Task Analysis (MTA) to Reliability & Maintainability Allocation, Modeling, Prediction and Analysis		
	Relate Maintenance Task Analysis (MTA) to Failure Modes, Effects and Criticality Analysis and Fault Tree Analysis		
	Relate Maintenance Task Analysis (MTA) to Maintenance Concept		
	Analyze the impact of Maintenance Task Analysis (MTA) on Supportability and Supportability Analysis		
9	Conduct Level of Repair Analysis		
	Relate the LORA to Supportability and Supportability Analysis		
	Relate the LORA to the Product Support Analysis		
	Relate the LORA to the Product Support Package		
	Relate the LORA to the Maintenance Concept		
	Compare system design elements (reliability/availability, component attributes) with the sustainment factors evaluated as part of the LORA (reliability/availability, component attributes, manpower, equipment/facilities, administrative activities)		
	Compare the data contained in the Logistics Product Database with the trade-off criteria used to make LORA determinations		
10	Conduct Reliability & Maintainability (R&M), Availability, Cost/Affordability Trade-off Analysis		
	Relate Reliability & Maintainability (R&M), Availability, Cost/Affordability Trade-off Analysis to Supportability and Supportability Analysis		
	Relate Affordability and Should Cost to Trade-Off Analyses within the context of Better Buying Power		
	Apply Reliability & Maintainability (R&M), Availability, Cost/Affordability Trade-off Analysis		
	Identify key inputs for updating the Radio #1 LORA		
11	Recognize the process and impact of Supportability Design Reviews		
	Relate Supportability Design Reviews to Supportability and Supportability Analysis		
	Examine the Systems Engineering (SE) design review process and milestones		
	Relate design review criteria to Supportability		
	Analyze system design compliance to requirements		
	Differentiate the impact of Supportability Design Reviews on Supportability and Supportability Analysis		
12	Evaluate Suitability in terms of supportability and adequacy of Product Support		
	Relate Suitability to Supportability Analysis		
	Relate Test and Evaluation/Supportability Demonstration to system design, Supportability, and Product Support		
	Evaluate Product Support Capability Outcomes from the Supportability Demonstration		



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	Assess the impact of Supportability Demonstration on Supportability and Supportability Analysis		
	Distinguish the impact and provide remediation measures when the LOG Demo results are deemed not to meet Supportability requirements		
13	Recognize the critical analytical processes necessary for Post Fielding Sustainment		
	Relate Post-Fielding Sustainment to Supportability and Supportability Analysis		
	Examine the post-fielding analytical process for continuous assessment of sustainment adequacy		
	Examine major factors impacting Supportability adequacy		
	Analyze the impact of post-fielding analysis on Supportability and Supportability Analysis		