



# Objectives Sheet

## LOG 211 - Supportability Analysis

*Course Learning/Performance Objectives followed by enabling learning objectives*

<b>LOG 211.U02.01</b>	<b>Maintain Product Support across a system's life cycle through application of Supportability Analysis process in formulating and refining the Life-Cycle Sustainment Plan</b>
LOG 211.U02.01.01	Relate supportability, the Integrated Product Team, and the Life Cycle Logistician, to the Acquisition Life Cycle Process
LOG 211.U02.01.02	Analyze the evolution of the Initial Capabilities Document/Capability Development Document and its role in product supportability
LOG 211.U02.01.03	Analyze the importance of the Life Cycle Sustainment Plan in the evolution of the product support strategy across the acquisition life cycle.
LOG 211.U02.01.04	Examine the continuous/periodic review of and updates to the Life Cycle Sustainment Plan and other documents
LOG 211.U02.01.05	Analyze the impact of supportability on both design and sustainment domains
<b>LOG 211.U03.01</b>	<b>Analyze Measures of Effectiveness to ensure a supportable design</b>
LOG 211.U03.01.01	Distinguish the relationships between Measures of Effectiveness , Key Performance Parameters/Key System Attributes, Measures of Performance, Measures of Suitability and Technical Performance Measures
LOG 211.U03.01.02	Analyze the JCIDS Sustainment Measures of Effectiveness and their maturity over the system life cycle
LOG 211.U03.01.03	Analyze candidates for supportability Technical Performance Measures
LOG 211.U03.01.04	Analyze achievable sustainment candidates for promotion to capability and contractual design documents
LOG 211.U03.01.05	Establish evaluation criteria for each sustainment metric to validate design performance
LOG 211.U03.01.06	Monitor sustainment metrics to assure the system meets supportability design criteria
<b>LOG 211.U04.01</b>	<b>Generate Logistics Product Data/GEIA-STD-0007 Database</b>
LOG 211.U04.01.01	Analyze the impact of Logistics Product Data and the database on Supportability and Supportability Analysis
LOG 211.U04.01.02	Examine steps to initialize and exchange Logistics Product Data
LOG 211.U04.01.03	Examine operations an LCL performs to validate a system's product structure and LPD
LOG 211.U04.01.04	Examine the communications chain for reporting and resolving issue with the LPD and database
<b>LOG 211.U05.01</b>	<b>Conduct Reliability &amp; Maintainability (R&amp;M) Allocation, Modeling, Prediction, and Analysis</b>
LOG 211.U05.01.01	Relate R&M Allocation, Modeling, Prediction and Analysis to Supportability and Supportability Analysis
LOG 211.U05.01.02	Distinguish requirements and other data sources to be used for Supportability Analysis in R&M processes
LOG 211.U05.01.03	Apply the R&M Allocation, Modeling, Prediction and Analysis process to Supportability
<b>LOG 211.U06.01</b>	<b>Examine Failure Modes, Effects and Criticality Analysis (FMECA) and Fault Tree Analysis (FTA) processes and their impact on Supportability</b>
LOG 211.U06.01.01	Distinguish the differences between Failure Modes, Effects and Criticality Analysis (FMECA) and Fault Tree Analysis (FTA)
LOG 211.U06.01.02	Analyze the impact of FMECA/FTA on Supportability and Supportability Analysis
LOG 211.U06.01.03	Examine FMECA/Fat planning considerations, analysis tools, and data inputs
LOG 211.U06.01.04	Examine the FMECA analytical process and its steps
LOG 211.U06.01.05	Examine the FTA analytical process and its steps
LOG 211.U06.01.06	Examine reporting requirements and communication paths for managing FMECA/FTA results
<b>LOG 211.U07.01</b>	<b>Conduct Software Supportability Analysis</b>
LOG 211.U07.01.01	Relate Software Supportability Analysis to Supportability and Supportability Analysis
LOG 211.U07.01.02	Examine Software Supportability Analysis
LOG 211.U07.01.03	Compare the information identified through the Software Supportability Analysis with the data contained in the Logistics Product Data/Database
LOG 211.U07.01.04	Analyze the impact of Software Supportability Analysis on system design and Product Support
<b>LOG 211.U08.01</b>	<b>Examine Reliability Centered Maintenance (RCM) analysis processes and contribution to Supportability and Supportability Analysis</b>
LOG 211.U08.01.01	Analyze the impact of Reliability Centered Maintenance (RCM) on Supportability and Supportability Analysis
LOG 211.U08.01.02	Examine RCM Analysis planning considerations, analysis tools and data inputs
LOG 211.U08.01.03	Examine the RCM analytical process and its steps
LOG 211.U08.01.04	Analyze failure maintenance strategy options resulting from RCM Analysis
LOG 211.U08.01.05	Relate RCM to the Condition Based Maintenance Plus (CBM+) process
LOG 211.U08.01.06	Examine diagnostic, prognostic and health management capabilities in the CBM+ process and their impact on Supportability and Supportability Analysis
LOG 211.U08.01.07	Examine reporting requirements and communication paths for managing RCM Analysis results



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<b>LOG 211.U09.01</b>	<b>Conduct a Maintenance Task Analysis</b>
LOG 211.U09.01.01	Relate Maintenance Task Analysis (MTA) to Supportability Analysis
LOG 211.U09.01.02	Relate Maintenance Task Analysis (MTA) to Level of Repair Analysis
LOG 211.U09.01.03	Compare the data contained in the Logistics Product Data with evaluations preformed in the Maintenance Task Analysis
LOG 211.U09.01.04	Relate Maintenance Task Analysis (MTA) to Product Support Analysis
LOG 211.U09.01.05	Relate Maintenance Task Analysis (MTA) to Product Support Package
LOG 211.U09.01.06	Relate Maintenance Task Analysis (MTA) to Reliability & Maintainability Allocation, Modeling, Prediction and Analysis
LOG 211.U09.01.07	Relate Maintenance Task Analysis (MTA) to Failure Modes, Effects and Criticality Analysis and Fault Tree Analysis
LOG 211.U09.01.08	Relate Maintenance Task Analysis (MTA) to Maintenance Concept
LOG 211.U09.01.09	Analyze the impact of Maintenance Task Analysis (MTA) on Supportability and Supportability Analysis
<b>LOG 211.U10.01</b>	<b>Conduct Level of Repair Analysis</b>
LOG 211.U10.01.01	Relate the LORA to Supportability and Supportability Analysis
LOG 211.U10.01.02	Relate the LORA to the Product Support Analysis
LOG 211.U10.01.03	Relate the LORA to the Product Support Package
LOG 211.U10.01.04	Relate the LORA to the Maintenance Concept
LOG 211.U10.01.05	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)
LOG 211.U10.01.06	Compare the data contained in the Logistics Product Database with the trade-off criteria used to make LORA determinations
<b>LOG 211.U11.01</b>	<b>Conduct Reliability &amp; Maintainability (R&amp;M), Availability, Cost/Affordability Trade-off Analysis</b>
LOG 211.U11.01.01	Relate Reliability & Maintainability (R&M), Availability, Cost/Affordability Trade-off Analysis to Supportability and Supportability Analysis
LOG 211.U11.01.02	Relate Affordability and Should Cost to Trade-Off Analyses within the context of Better Buying Power
LOG 211.U11.01.03	Apply Reliability & Maintainability (R&M), Availability, Cost/Affordability Trade-off Analysis
LOG 211.U11.01.04	Identify key inputs for updating the Radio #1 LORA
<b>LOG 211.U13.01</b>	<b>Evaluate Suitability in terms of supportability and adequacy of Product Support</b>
LOG 211.U13.01.01	Recognize the process and impact of Supportability Design Reviews
LOG 211.U13.01.02	Relate Supportability Design Reviews to Supportability and Supportability Analysis
LOG 211.U13.01.03	Examine the Systems Engineering (SE) design review process and milestones
LOG 211.U13.01.04	Relate design review criteria to Supportability
LOG 211.U13.01.05	Analyze system design compliance to requirements
LOG 211.U13.01.06	Differentiate the impact of Supportability Design Reviews on Supportability and Supportability Analysis
<b>LOG 211.U14.01</b>	<b>Recognize the critical analytical processes necessary for Post Fielding Sustainment</b>
LOG 211.U14.01.01	Relate Suitability to Supportability Analysis
LOG 211.U14.01.02	Relate Test and Evaluation/Supportability Demonstration to system design, Supportability, and Product Support
LOG 211.U14.01.03	Evaluate Product Support Capability Outcomes from the Supportability Demonstration
LOG 211.U14.01.04	Assess the impact of Supportability Demonstration on Supportability and Supportability Analysis
LOG 211.U14.01.05	Distinguish the impact and provide remediation measures when the LOG Demo results are deemed not to meet Supportability requirements