

					Subcompetencies (354)					
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Career Field	Unit of Competence (3)	Topic: IPS Elements (12)	Competency (86) [Note: numbering per order of presentation at Jan 6 LOG FIPT]	Subcompetency #1 (86)	Subcompetency #2 (86)	Subcompetency #3 (82)	Subcompetency #4 (63)	Subcompetency #5 (44)	FIPT Priority (1:high, 3:low, NEW: new competency from FIPT feedback comments)	
1-1	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Understand how the Product Support Management (PSM) activities lead, integrate, impact and trade among other Product Support Elements, program functional activities, Program acquisition deliverables and within the greater DoD Component portfolio.	Execute the product support manager responsibilities as the program advocate and champion to ensure all integrated product support elements are considered and addressed in the life cycle sustainment of the system.	Engage early in the systems engineering process to ensure that logistics tradespace options are identified early in the acquisition process to focus on product support options optimizing availability, reliability and affordability.	Apply product support management to impact and integrate the Integrated Product Support Elements and proponent organizations both individually and holistically within the performance based outcome environment.	Understand how product support management impacts and integrates each program functional area into the performance based outcome environment.	Understand how to conduct and implement market research to understand government and industry capabilities and appropriate pricing.	1
1-2	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Translate Warfighter performance requirements to develop and implement a Life Cycle Sustainment Plan (LCSP) and Performance-Based Life Cycle Product Support (PBL) strategies.	Understand and translate Warfighter requirements into the product support strategy or plan.	Apply Warfighter requirements to the acquisition and management of services.	Develop the performance based life cycle product support strategy and Life Cycle Sustainment Plan acquisition documentation.	Execute the Life Cycle Sustainment Plan (LCSP) and Performance-Based Life Cycle Product Support (PBL) strategies to sustain weapon systems and meet user capability requirements.	Understand, plan and execute funding strategies, to include usage of working capital funds, for performance based life cycle product support.	1
1-3	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Conduct program management analyses to execute and validate the product support strategy to optimize life cycle cost against program performance based outcomes.	Develop relationships and implement collaboration among the product support manager, program financial manager, contracting office and program management to conduct program management analyses.	Develop Business Case Analyses (BCA's) to identify life cycle product support sustainment strategies to optimize cost, investment and spending decisions.	Ability to oversee the development and update of the Life Cycle Cost Estimate (LCCE).	Plan for and conduct recurring In-Service Reviews (Post IOC reviews) and Logistics Assessments (LAs) with users to assess current status and operational health.	Use earned value management to evaluate and optimize implementation of the product support strategy.	1
1-4	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Assess and integrate sustainment technologies to improve achievement of outcomes within the performance based outcome environment.	Identify and oversee the incorporation of technology enhancements as an integral part of performance based life cycle product support during the system life cycle.	Maintain awareness and understanding of research and development efforts related to program product support.	Understand how to leverage new technologies and processes to improve affordability and readiness.	Understand the impact of new technologies on performance based life cycle product support strategies.	Implement evolutionary acquisition and continuous modernization practices.	2
1-5	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Apply and align program sustaining strategies to DoD policy, statutory and regulatory requirements.	Understand applicable Title X statutory requirements, relevant laws and DoD policy governing product support management activities.	Understand the responsibilities and accountability required of the Product Support Manager.	Understand how contracting rules and guidance, i.e. FAR and DFAR, are applied to performance based life cycle product support.	Understand and establish life cycle cost management through all phases of the acquisition of the weapon system.	Understand, develop and conduct processes for life cycle 'should cost' and 'would cost' determination.	2
1-6	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Develop and implement risk management strategies to mitigate impacts on long-term product support.	Develop long term plans to minimize risk for achievement of performance based outcomes over the life of the program.	Establish a repeatable process for forecasting and balancing cost, schedule, and performance goals within program funding to performance based outcomes.	Understand and implement risk management strategies which may impact reliability, availability and affordability of the system.	Understand the activities and outcomes associated with system replacement and retirement as it relates to the product support strategy documented in the Life Cycle Sustainment Plan (LCSP).	Understand and employ practices specifically to address aging and legacy systems within the Life Cycle Sustainment Plan.	2

1-7	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Identify and correctly structure teams, stakeholders, partnerships, and capabilities representing government, industry, and related functional areas.	Understand the major roles (Program Manager (PM), Product Support Manager (PSM), Product Support Integrator (PSI), Product Support Provider (PSP), etc.) within the DoD structure for Performance Based Life Cycle Product Support.	Implement Integrated Product and Planning Development (IPPD) and Integrated Product Team (IPT) team arrangements to involve all stakeholders towards developing and achieving program performance based outcomes.	Develop and implement Product Support Arrangements (PSAs) with the Warfighter for performance based outcomes.	Eliminate redundancies of capabilities, resources, and infrastructure within the life cycle product support portfolio to minimize the logistics infrastructure or footprint.	Understand what drives competition and how to promote competition throughout the life cycle product support portfolio.	2
1-8	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Knowledgeable of DoD decision support systems and their requisite input and exit criteria for major reviews and milestones.	Understand and implement key tenets of Performance Based Life Cycle Product Support as part of Total Life Cycle Systems Management throughout the enterprise.	Understand and implement the Joint Capabilities Integration and Development System (JCIDS) as required for Performance Based Life Cycle Product Support.	Understand and implement the Planning, Programming, Budgeting, and Execution (PPBE) process as required for Performance Based Life Cycle Product Support.	Understand and implement the Defense Acquisition System (DAS) process as required for Performance Based Life Cycle Product Support.	Understand and use the Product Support Business Model for life cycle strategy and plans development.	2
1-9	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Develop sustaining strategies that include the best use of public and private sector capabilities to maximize efficiency and productivity in accordance with statutory requirements.	Develop and review existing Performance Based Agreements (PBAs) between product support integrators and providers to ensure the agreements are consistent with the overall product support strategy.	Understand industry systems, contractor incentivizations and how contractors approach the design, production, support and upgrade of defense systems integrated into the Product Support strategy as documented in the Life Cycle Sustainment Plan (LCSP).	Understand and leverage the capabilities of Government research and development centers and think tanks.	Understand and leverage the capabilities of academia.	Understand and incorporate the use of incentivizes for productivity and innovation in the public and private sectors.	2
1-10	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Oversee currency of product support strategies and establish long term plans for major changes.	Update performance based life cycle product support strategies to achieve operational requirements.	Understand the impact and update performance based life cycle product support strategies to respond to changes in system capabilities and fleet deployment.	Understand the business and technical return on investment from Engineering Change Proposals (ECPs) and Value Engineering Change Proposals (VECPs).	Identify, plan for, and implement those functions necessary when system life extension is required.		2
1-11	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Incorporate Joint support opportunities, requirements and Joint functional integration into the supportability strategy.	Understand and implement policy and funding processes to support Joint product support management.	Understand and reconcile changing requirements in the Joint environment.	Leverage capabilities and cooperation among Services and Allies in the Joint environment.	Manage the performance based life cycle product support strategy to optimize commonality across the Joint environment.		3
1-2	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Evaluate program objectives, apply the mandatory sustaining KPP's and KSA's, and develop subordinate metrics that are traceable, achievable, verifiable, and require minimum reporting.	Understand program Key Performance Parameters (KPPs) and Key System Attributes (KSAs) and related processes to achieve required program outcomes.	Establish metric traceability to performance drivers and incentivizations throughout the program.	Understand how to verify and validate program Key Performance Parameters (KPPs) and Key System Attributes (KSAs) and subordinate metrics while requiring minimum reporting.			2
1-13	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Ensure that the configuration management process developed during design and development is effectively maintained throughout the entire life cycle.	Establish a long term life cycle product support based configuration management process with performance measures spanning the forecasted life span of the system.	Establish configuration control of weapon system product support related attributes and the associated technical baselines.	Establish weapon system product support interface management processes to include all applicable system support equipment and infrastructure.	Assess results of configuration management practices, verifications, and configuration audits on systems supportability.		2

1-14	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Evaluate configuration management strategies and leverage best practices in the context of performance based life cycle product support (PBL) strategies.	Integrate the configuration management plan with the Systems Engineering Plan (SEP) and life cycle technical and supply chain planning.	Establish best practices for control, visibility, and configuration status accounting of system changes across all integrated product support elements.	Effectively manage configuration identification to include all configuration items, computer software configuration items, the functional and physical characteristics of each.	Develop and implement effective configuration change management processes.		3
1-15	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Ability to make critical and rapid decisions to respond in a methodical and effective means to rapid response situations to support urgent warfighter needs.	Understand the life cycle product support processes, capabilities and decisions required in a Joint Urgent Operational Need (JUON) and/or a rapid acquisition environment.	Address the life cycle product support requirements, funding and budgeting processes, operational challenges, contingency operations, priorities, and other circumstances unique to wartime and surge sustaining.	Understand the life cycle product support processes and decisions required for forces deployment, transition and redeployments.			2
1-16	Life Cycle Logistics	Life Cycle Sustainment Management	Product Support Management	PSM - Apply the processes, procedures and constraints of technology transfer, export control and international regulations to international and Foreign Military Sales (FMS) arrangements.	Develop, negotiate and implement international agreements and program sustaining operations.	Understand international technology transfer policy and requirements.	Understand management of foreign military sales and implications for the performance based life cycle product support environment.	Understand International Traffic in Arms Regulations (ITAR) and export licensing policy and requirements.		3
2-1	Life Cycle Logistics	Technical Management	Design Interface	DIN - Understand how design interface integrates and impacts the other Product Support Elements, program functional activities, business case analysis, and program deliverables.	Understand how design interface impacts and is impacted by each Product Support Element.	Understand how design interface impacts and is impacted by each program functional area.	Understand applicable Title X statutory requirements, relevant laws and DoD policy governing design interface and Reliability, Availability & Maintainability (RAM) activities.	Understand and develop design interface inputs to the acquisition process milestone deliverables.	Understand how program performance based metrics impact and are impacted by design interface activities.	1
2-2	Life Cycle Logistics	Technical Management	Design Interface	DIN - Drive optimization of affordability and readiness with organizational processes, capabilities, incentivizations and strategies.	Identify and integrate all major design interface government and commercial stakeholders, Service advocates and related organizations through focused strategies and incentivizations to meet program requirements.	Establish supportability design criteria early in the acquisition life cycle to consider life-cycle support requirements for system evolution throughout the system's life span.	Apply design interface methodologies and processes to the program acquisition process.	Identify and evaluate engineering change proposals and value engineering change proposals to drive optimization of system readiness and affordability.	Evaluate system and support equipment producibility factors, tools and techniques to optimize acquisition risk, readiness and affordability.	not rated - NEW
2-3	Life Cycle Logistics	Technical Management	Design Interface	DIN - Incorporate modeling and simulation, logistics demonstrations and other applied supportability analysis methods to forecast and evaluate performance based outcomes.	Identify and plan for the usage of supportability analysis throughout the program.	Identify cost drivers of the specific weapon system early in the life of the acquisition program to manage life cycle affordability.	Ensure technical data packages include necessary and sufficient information to perform design interface activities to optimize readiness and affordability.	Establish a failure reporting process that integrates all program activities to include field operations, test, supply chain, etc.	Establish a system health management system that provides information to continue improving readiness and affordability.	1
2-4	Life Cycle Logistics	Technical Management	Design Interface	DIN - Drive design to optimize suitability, survivability and vulnerability under environmental and other external conditions.	Design for system suitability maximizing the degree to which a system can be put into use under required operational conditions.	Evaluate personnel and equipment survivability and vulnerability factors to include battle damage repair forecasts under operational conditions.	Evaluate product support strategies under harsh environmental conditions.			not rated - NEW
2-5	Life Cycle Logistics	Technical Management	Design Interface	DIN - Use engineering and supportability analysis to validate performance based outcome improvements.	Evaluate and maximize the use of modeling and simulation tools, techniques, and results to forecast and validate design interface options for optimizing readiness and affordability.	Determine and pursue testing and logistics demonstrations to verify and validate the optimum usage and integration of all integrated product support elements.	Conduct post-production and post-fielding reviews to validate sustainment strategies, design interface solutions and to recommend improvements.	Conduct trade studies to evaluate Reliability, Availability and Maintainability (RAM) and supportability analysis against affordability and weapon system readiness goals.	Evaluate and introduce new technologies which have high probability and low risk for improving system readiness and affordability.	2

2-6	Life Cycle Logistics	Technical Management	Design Interface	DIN - Design for reliability, availability, maintainability, affordability and life cycle cost reduction (RAM-C).	Establish a reliability strategy and a life cycle reliability growth program to identify and eliminate failure modes.	Establish a life cycle availability strategy and metrics for both materiel availability and operational availability.	Establish a maintainability strategy to reduce cycle time addressing accessibility, modularity and testability.	Ensure that system performance and program life cycle cost are properly balanced, leading to the materiel capability developed being operationally effective, suitable, and affordable for the warfighter.	Evaluate the impact of Reliability, Availability, and Maintainability (RAM) design on system performance and supportability.	2
2-7	Life Cycle Logistics	Technical Management	Design Interface	DIN - Incorporate net-centric capabilities to achieve interoperability and standardization of data and information.	Establish a net-centric capability to ensure the timely, accurate, and complete exchange and use of information to satisfy information needs for a given capability for operational and sustainment purposes.	Ensure the system can operate, train, integrate, and provide services with other systems, units or forces to optimize readiness and affordability.	Lead efforts to base the system's design on open, commercially supported interface standards to incorporate the customer and supplier base.	Focus the design interface process to consider life-cycle support requirements up front, supporting system evolution throughout the system's life span.	Establish standardization of materiel, facilities, and practices through requirements stated in performance terms.	3
2-8	Life Cycle Logistics	Technical Management	Design Interface	DIN - Design for Human Systems Integration factors.	Design systems to achieve Human System Integration goals at optimal infrastructure and resources levels.	Define the user performance characteristics based on the system description, projected characteristics of target occupational specialties, and recruitment and retention trends.	Determine the most efficient and cost-effective mix of DoD manpower and contract support.	Develop effective options for individual, collective, and joint training for operators, maintainers and support personnel.	Institute measures to prevent Environmental, Safety and Occupational Hazards (ESOH) and manage ESOH hazards where they cannot be avoided.	2
2-9	Life Cycle Logistics	Technical Management	Design Interface	DIN - Design for energy efficiency, re-usability, disposability and minimum environmental impacts.	Plan, design, and construct solutions that enhance the weapon system's environmental and energy performance while optimizing readiness and affordability.	Plan for maximizing re-use of products, infrastructure and data.	Design for disposal processes to meet DoD policy as well as federal and local laws.	Design for demilitarization.		not rated - NEW
3-1	Life Cycle Logistics	Technical Management	Sustaining Engineering	SEN - Understand how sustaining engineering integrates and impacts among other product support elements and program functional activities in all life cycle phases and in the performance based outcome environment.	Understand applicable Title X statutory requirements, other laws and DoD policy governing sustaining engineering activities.	Understand how sustaining engineering impacts and is impacted by each Product Support Element.	Understand how sustaining engineering impacts and is impacted by each program functional area.	Understand how program performance based metrics impact and are impacted by sustaining engineering requirements.	Understand and develop sustaining engineering inputs to the acquisition process milestone deliverables.	1
3-2	Life Cycle Logistics	Technical Management	Sustaining Engineering	SEN - Apply processes and analysis to address and recognize solutions for procedural, operational and technical in-service problems such as deficiency reports and operational hazards.	Understand reliability functional analysis practices to include the development of reliability models, reliability block diagrams, Failure Modes & Effects Criticality Analysis (FMECA), fault-tree analysis, etc.	Lead efforts to ensure required design changes are correctly implemented to resolve operational issues to include technology insertion, engineering dispositions, corrosion, and technical manual / technical order updates.	Understand the range of supportability analysis tools and practices, includes deficiency reporting, forecasting, obsolescence planning, modeling and simulation, and analysis supporting technology insertion and continuous modernization.	Understand and apply Continuous Process Improvement (CPI) activities during Sustainment	Evaluate the activities and results of sustaining engineering, such as reliability growth programs, to directly support weapon systems requirements and program performance based outcomes.	2
3-3	Life Cycle Logistics	Technical Management	Sustaining Engineering	SEN - Ensure sustaining engineering effectiveness is planned, executed and measured.	Establish feedback sourcing and assess the resulting information on operational usage profile changes, safety condition changes, and observed reliability and maintainability trends during operations.	Establish a Vendor Reliability Program, a Supplier Assurance Program, and other practices to minimize risk from the supply base.	Implement the Diminishing Manufacturing Sources and Material Shortages (DMSMS) and obsolescence weapon system plan to ensure early identification of materials and suppliers at risk.	Understand the linkage between sustaining engineering, field services, updates to the maintenance plan, training and optimization of life cycle cost.	Source and evaluate commercial sources of sustaining engineering capabilities.	2

3-4	Life Cycle Logistics	Technical Management	Sustaining Engineering	SEN - Implement sustaining engineering results to drive design changes and technology insertion to improve program performance based outcomes.	Lead government and industry sponsored forums exploring new technologies and products to manage Reliability, Availability, Maintainability, Testability and Suitability (RAM-TS) issues.	Evaluate, support or sponsor R&D initiatives to improve sustaining engineering technologies and processes and to meet the service life design objectives.	Establish help desks and response teams to address problems and issues during the weapon system life cycle.	Apply and communicate the results of technical advancement groups into system innovation for improved sustainment.	Evaluate and apply technologies and processes at their appropriate maturity and readiness level to optimize design interface initiatives.	2
3-5	Life Cycle Logistics	Technical Management	Sustaining Engineering	SEN - Apply sustaining engineering principles and tools to engineering disposition activities, i.e. technical manual and order updates, repair or upgrade vs. disposal or retirement, and maintenance evaluation processes.	Understand and apply technical standards best practices to sustaining engineering.	Implement best practices to collect and evaluate readiness information as a preventive measure rather than in response to failures, i.e. Condition Based Maintenance (CBM+), Reliability Centered Maintenance (RCM), Total Asset Visibility (TAV), and Modeling Tools for forecasting.	Implement sustaining engineering activities as part of an ongoing life cycle cost reduction effort.	Implement an enterprise level integrated management approach, to include test and configuration management, to weapon system changes as a result of modifications, upgrades, material improvements, etc.		3
5-1	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Understand how Supply Support integrates, impacts and trades among other Product Support Elements, program functional activities, program acquisition deliverables and the enterprise over the entire weapons system life cycle for all classes of supply.	Understand how supply support impacts and is impacted by each Product Support Element.	Understand how supply support impacts and is impacted by each program functional area.	Establish feedback processes to respond to operational usage profile changes and opportunities for improvement during supply support operations.	Ensure supply support system flexibility supports current and planned Services' Operational Tempo (OPTEMPO) and deployment requirements.	Develop and implement end-to-end supply chain management processes to meet program requirements using DoD Service processes, concepts and approved Defense Planning Scenarios (DPS) Concepts of Operation (CONOPS).	1
5-2	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Define the performance based end-to-end enterprise supply chain operational strategies and requirements for each life cycle phase through disposal using the Joint Supply Chain Architecture (JSCA) and other best practices to maximize availability and affordability.	Develop and implement supply chain management plans using the DoD Joint Supply Chain Architecture (JSCA) tool.	Understand DoD Classes of Supply and unique supportability requirements.	Understand how re-manufacturing fits into the logistics process where recovered components and modules are put back into use per specified recovery and condition codes.	Understand the interaction of performance based contracting strategies and outcomes to supply chain management optimization.	Evaluate and use best value sources of supply to include commercial and non-developmental items to optimize trade-offs of risk, readiness and affordability.	2
5-3	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Plan and implement provisioning, replenishment and buffer management for weapon system, information technology and support equipment requirements using Readiness Based Sparing and partnering with industry to leverage best practices.	Apply readiness based sparing practices and supply chain constraints analysis.	Apply forecasting capabilities at the enterprise level to optimize asset management.	Lead provisioning planning and execution.	Implement reverse logistics practices.	Understand cataloging and National Stock Number (NSN) assignment.	2

5-4	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Define, develop and execute contracting, performance based agreements, pricing and assurance strategies appropriate for each segment and level of the supply chain to include joint arrangements with other DoD Components and Allies.	Develop and implement supply support metrics integrated with program performance metrics.	Negotiate long term, strategic and alternative sourcing contracts with suppliers.	Understand the role of supply support and its providers within the DoD performance based life cycle product support organizational structure.	Understand and develop supply support inputs to the acquisition process milestone deliverables.	Identify and implement commercial best practices for supply chain management.	2
5-5	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Provide forecasting, visibility, accountability and control of critical assets using visibility and accountability tools and best practices.	Determine optimal strategies, limitations and implementation plans for supply chain technologies to include serialized item management, item unique identification, Radio Frequency Identification (RFID) and supply chain information technology support systems.	Understand laws, policy and regulations governing procurement, operation and disposal of specialty, critical safety, and uniquely managed parts and material.	Conduct trade studies to evaluate supply support technologies and processes against affordability and weapon system readiness goals.	Establish total asset visibility infrastructure and practices.	Ability to establish efficient and effective inventory management practices, including buffer and safety stock.	2
5-6	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Define, test, implement and monitor metrics to support program requirements, interoperability, and integration with DoD & industry supply chains.	Understand benchmarking practices and applications.	Maximize commonality, multi-program usage, and integration of supply support systems across the enterprise.	Conduct an analysis of alternative strategies, business case scenarios, etc., to determine the most effective supply support strategy.			2
5-7	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Evaluate the scope, operations and capabilities of DoD organizations, industry offerings and major stakeholders to select the best solutions, processes and practices to meet program requirements for Performance Based Life Cycle Product Support.	Identify and integrate all major Supply Support government and commercial stakeholders, the Service advocates and related organizations to meet program requirements.	Understand Defense Logistics Agency processes and integration with Services supply chain processes.	Understand Service organizations responsible for supply support activities.	Establish practices to ensure supplier quality management.		3
5-8	Life Cycle Logistics	Life Cycle Sustainment Management	Supply Support	SUP - Effectively establish and manage international and global supply support operations.	Knowledgeable of international trade and in-country supply support rules.	Lead prevention programs for counterfeit material, malicious hardware and software and unauthorized technology transfer.	Establish necessary relationships with international organizations, both Governmental and Commercial, to meet program supply support requirements.			3
6-1	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Understand how Maintenance Planning & Management integrates, impacts and trades among other Product Support Elements and program functional activities.	Understand how maintenance planning and management impacts and is impacted by each Product Support Element.	Understand how maintenance planning and management impacts and is impacted by each program functional area.	Understand and develop maintenance planning and management inputs to the acquisition process milestone deliverables.			1

6-2	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Address program plans to apply depot maintenance statutory requirements.	Understand applicable Title X statutory requirements, and relevant laws and DoD policy governing maintenance planning and management activities.	Understand and develop public private partnerships and product support arrangements.	Identify and integrate all major maintenance related government and commercial stakeholders, the Service advocates and related organizations to meet program requirements.	Evaluate organic depot support, public-private partnerships and contractor logistics support as support concepts.		3
6-3	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Develop and execute a maintenance operations and support strategy for fielded systems within the performance based outcome environment.	Develop the program's maintenance strategy, maintenance concept and maintenance plan.	Develop a maintenance task analysis and validate maintenance procedures against operational concepts using defense planning scenarios.	Develop the Statement of Work, Specifications, and other contractual documentation that specifies products and services to be delivered to implement the maintenance plan.	Develop and execute a battle damage and repair maintenance program.	Develop and execute a reset maintenance program.	2
6-4	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Plan and implement life-extension maintenance practices.	Evaluate and update maintenance strategies and practices across field, intermediate and depot maintenance levels based on current and forecasted user requirements.	Establish rebuild and recapitalization activities to extend systems life and improve life cycle affordability.	Evaluate and implement opportunities for equipment modifications and upgrades.	Address demilitarization and disposal strategies for system end-of-life.		2
6-5	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Develop and execute against metrics to evaluate and improve maintenance operations performance.	Evaluate support system suitability and effectiveness in the test and evaluation environment.	Evaluate maintenance operations using metrics and act to optimize results within the performance based life cycle product support environment.	Plan and execute contracting strategies for maintenance operations based on program Key Performance Parameters (KPP's) and Key System Attributes (KSA's) to optimize performance and life-cycle cost.	Understand how program performance based program Key Performance Parameters (KPP's) and Key System Attributes (KSA's) impact and are impacted by maintenance planning and management activities.	Understand how program maintenance activities fit within the DoD maintenance enterprise.	2
6-6	Life Cycle Logistics	Life Cycle Sustainment Management	Maintenance Planning and Management	MTP - Apply activities, technologies and practices to further minimize system maintenance requirements and associated costs for preventive and corrective maintenance.	Evaluate and implement Reliability Centered Maintenance (RCM) analysis tools and practices to assess failure data to further minimize system maintenance requirements and associated costs for preventive and corrective maintenance.	Evaluate and implement prognostics, diagnostics and system health technologies to enhance readiness and reduce maintenance requirements.	Evaluate the return on investment for technologies and analysis which enhance system capability.	Develop and implement a corrosion prevention maintenance program.	Apply a condition based maintenance approach to collect data, analyze trends, and support decision-making processes for weapon system maintenance.	2
7-1	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Understand how PHS&T integrates and impacts other Product Support Elements, program functional activities, and program acquisition deliverables during each life cycle phase.	Understand how PHS&T impacts and is impacted by each Product Support Element.	Understand how PHS&T impacts and is impacted by each program functional area.	Understand and establish metrics and feedback processes for PHS&T performance.	Understand DoD Classes of Supply and each class's unique PHS&T requirements.	Understand the role of PHS&T and its providers within the DoD performance based life cycle product support organizational structure.	2

7-2	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Knowledge of DoD organization and commercial jurisdictions, key stakeholders and providers that determine communities of practice, policy & guidelines, requirements, business rules and processes for each area of PHS&T.	Establish liaison among stakeholders for requirements determination for all modes of transportation.	Understand security classification requirements and their impact on PHS&T.	Manage PHS&T systems to adhere to Commercial Off-the-Shelf (COTS) industry standards to avoid system specific and non-standard tools, materials, and practices.	Develop PHS&T plans to maximize Joint usage and commonality across the enterprise.	Understand laws, policy and regulations governing PHS&T procurement, operation and disposal.	3
7-3	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Understand and apply product packaging considerations, i.e. protection, labeling & identification, customer safety, storability, transportability, and reutilization of packaging, shipping containers and pallets.	Understand packaging and containerization requirements determination and possible impacts to system design.	Establish container reutilization processes in accordance with DoD regulations.	Understand tools, standards and practices for package marking.			3
7-4	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Understand and apply correct handling processes, methods, tools and support equipment relevant to each class of supply.	Understand equipment and best practices for material handling of all DoD classes of supply.	Understand and optimize order fulfillment processes.	Optimize and embed flexibility into PHS&T processes to respond to operational usage profile changes and observed trends during PHS&T operations.	Plan for transition of the supply and distribution chain from normal operations to expeditionary operations in austere locations not initially served by commercial transportation.	Understand handling of hazardous packaging and cargo.	3
7-5	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Determine and implement infrastructure, processes and requirements for categories of storage service to include interim custody and protection, materials handling, and special storage situations.	Understand requirements for storage to include environmental, physical shock, and static shock factors.	Understand the impacts of short and long term storage on material condition and availability.				3
7-6	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Identify, plan, and minimize shelf life requirements in the development and support of systems.	Determine shelf life and handling requirements and potential impact to life cycle cost and system design.	Establish operational practices for shelf life management, buffer management, warrantee management and supply chain assurance.				3
7-7	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Implement transportation and transportability requirements, plans, support infrastructure, liaison with stakeholders and special transportation considerations to safely transport items in all supply classes to intended destinations.	Understand practices and processes of public, i.e. U.S. Transportation Command (TRANSCOM), and private, i.e. industry, transportation organizations.	Run end-to-end PHS&T operational strategies against valid DoD Service processes, concepts and approved Defense Planning Scenarios (DPS) Concepts of Operation (CONOPS) for validation.	Evaluate transportation sourcing and transportability decisions to ensure the entire end-to-end chain is considered including the "last mile".	Knowledgeable of international transportation, trade and in-country PHS&T rules.		3

7-8	Life Cycle Logistics	Life Cycle Sustainment Management	Packaging, Handling, Storage & Transportation	PHS - Understand how systems design impacts PHS&T in the performance based outcome environment to optimize systems strategy, design, and development using performance and metric criteria that target PHS&T readiness and affordability.	Understand and develop PSH&T inputs to the acquisition process milestone deliverables.	Understand how program performance based metrics impact and are impacted by PHS&T requirements.	Conduct trade studies to maximize PHS&T impact on system readiness versus affordability.	Evaluate and implement new technologies to improve PHS&T processes to improve weapon system readiness and affordability.		not rated - NEW
4-1	Life Cycle Logistics	Technical Management	Technical Data	TED - Understand how technical data integrates and impacts among the other Product Support Elements and program functional activities during each Life Cycle phase and within the broader performance based environment.	Understand the types of technical data and logistics product data.	Understand how technical data impacts and is impacted by each Product Support Element.	Understand how technical data impacts and is impacted by each program functional area.	Identify all technical data stakeholders throughout the program enterprise and establish long term product support arrangements for technical data availability and affordability.	Understand and develop technical data inputs to the acquisition process milestone deliverables to include a Technical Data Rights Strategy and inputs to the Life Cycle Sustainment Plan.	2
4-2	Life Cycle Logistics	Technical Management	Technical Data	TED - Understand and participate in developing data management strategies and requirements, to include assessment of long term technical data needs and data sustainment for the weapon system, driving achievement of program sustaining goals and metrics.	Plan data requirements and determine minimum essential data.	Understand and plan for the life cycle availability and affordability of all types of technical data required for each program product.	Understand how program performance based metrics impact and are impacted by technical data requirements.	Evaluate uses of technical data to reduce life cycle cost.	Develop and implement a technical data rights strategy and acquisition plans.	2
4-3	Life Cycle Logistics	Technical Management	Technical Data	TED - Identify and understand usage, revisions and updates related to common and unique forms of life cycle technical/product data and products.	Understand each type of tool used to obtain specific logistics analysis outputs in each product support functional area: what tech data input is required, where is the tech data created, and what new tech information is created by the tool.	Develop a system technical publications strategy, both electronic and paper-based and use these tools to leverage contractor data, improve program readiness and optimize affordability.	Understand appropriate sources for historical operations and support data, along with comparable and proxy data necessary for program products, services and acquisition life cycle requirements.			2
4-4	Life Cycle Logistics	Technical Management	Technical Data	TED - Define appropriate technical data contracting strategies, to include addressing policies, regulations, the business case, performance metrics evaluation and technical data rights.	Understand laws, policy and regulations governing technical data procurement, operation and disposal.	Determine which technical data is of strategic importance and establish the strategy and practices to effectively acquire, manage and preserve it.	Understand and specify contract data item requirements to align to contract elements.	Understand and establish distribution statements and security controls for technical data.	Establish practices for tracking, receiving, reviewing, accepting and approving technical data deliverables.	3
4-5	Life Cycle Logistics	Technical Management	Technical Data	TED - Determine, plan for, acquire and implement the required infrastructure for technical and product data management.	Implement Product Data Management (PDM) infrastructure and processes for visibility and control of data to support program requirements.	Identify and implement required data specifications and data standards.	Evaluate and implement new technologies to improve data management infrastructure to support program readiness and affordability.	Assess and implement effective and efficient technical data access, maintenance, storage and disposal programs and procedures.	Understand how to contract for changes / updates to the data management system to account for unanticipated user requirements.	3

4-6	Life Cycle Logistics	Technical Management	Technical Data	TED - Implement common interfaces and interoperability of logistics information among the military services, Defense agencies, and international partners.	Understand requirements for and procure an open architecture, enterprise level data management system sufficient for program life cycle requirements.	Understand and participate in Government-Industry Data Exchange Program (GIDEP) and other Government data management activities.	Develop and implement processes for the distribution or communication of technical data to the point of use.	Manage the implementation of interoperability architectures for legacy data, data management tools and associated file structures.		3
4-7	Life Cycle Logistics	Technical Management	Technical Data	TED - Implement effective quality assurance processes to validate data integrity and adequacy for all weapon system related technical and product data management tools.	Understand and implement technical data security practices for both classified and unclassified information.	Evaluate and develop technical data quality assurance and quality control processes to validate data integrity and adequacy for all weapon system related technical and product data related tools.	Evaluate technical data access procedures.	Ensure technical data knowledge management systems accurately record life cycle decisions, methods, feedback, metrics, and configuration management elements.		3
8-1	Life Cycle Logistics	Infrastructure Management	Support Equipment	SEQ - Understand the various types of support equipment and how support equipment integrates, impacts and trades among the other Product Support Elements, the overall logistics infrastructure, and program sustaining metrics throughout the total life cycle.	Understand laws, policy and regulations governing support equipment procurement, operation and disposal.	Understand how support equipment impacts and is impacted by each Product Support Element.	Understand how support equipment impacts and is impacted by each program functional area.	Understand how program performance based metrics impact and are impacted by support equipment requirements.	Understand and develop support equipment inputs to the acquisition process milestone deliverables.	2
8-2	Life Cycle Logistics	Infrastructure Management	Support Equipment	SEQ - Evaluate and pursue new technologies and associated life cycle cost impacts for usage in both manual and automated test equipment.	Understand the various types of support equipment and how each may drive system design.	Evaluate and develop new technology support equipment devices to include trainers, test equipment, calibration and repair equipment, etc.	Conduct trade studies to evaluate support equipment technologies against affordability and weapon system readiness goals.			3
8-3	Life Cycle Logistics	Infrastructure Management	Support Equipment	SEQ - Execute support equipment acquisition, fielding, operations and sustaining activities for each piece of support equipment to support program performance outcomes and Warfighter requirements.	Determine support equipment requirements to include capacities and procurement specifications.	Verify and validate maintenance tasks to ensure support equipment sustainability and affordability.	Validate safety procedures for all support equipment operations.			2
8-4	Life Cycle Logistics	Infrastructure Management	Support Equipment	SEQ - Drive design interface to optimize weapon system readiness and affordability and to minimize the logistics footprint ensuring maximum use of standardized, common, multi-purpose support equipment (avoid the introduction of new unique, single purpose or peculiar items).	Develop and apply aggressive design interface and product improvement practices to minimize support equipment requirements.	Manage support equipment to adhere to Commercial Off the Shelf (COTS) industry standards to avoid system specific and non-standard tools.	Develop support equipment plans to maximize Joint usage and commonality across the enterprise.	Develop and implement strategies to acquire, integrate and sustain equipment from both commercial and government sources.		2

11-1	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Understand how Training & Training Support integrates and impacts the other Product Support Elements and program functional activities during the system's total life cycle.	Understand how training and training support impacts and is impacted by each Product Support Element.	Understand how training and training support impacts and is impacted by each program functional area.	Maintain training system currency while adjusting funding plans and requirements.	Understand laws, policy and regulations governing training and training support procurement, operation and disposal.		1
11-2	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Translate capabilities into weapon system requirements for individual, collective, and joint training for system operators, maintainers, support personnel, instructor / key personnel and new equipment teams.	Ensure training programs align to user and maintainer workforce requirements.	Understand the role of training within the performance based life cycle product support environment.	Leverage the test and evaluation environment to validate training requirements and effectiveness.			2
11-3	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Identify and implement training requirements to include the acquisition, operation and sustainment of training devices and simulator assets which may be systems that qualify for their own acquisition program.	Identify, coordinate and plan major training events during the weapon system life cycle.	Understand and develop training inputs to the acquisition process milestone deliverables.	Plan and manage the acquisition, operation and sustaining of training devices and simulator assets which may qualify for their own set of acquisition and sustainment life cycles.			2
11-4	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Capitalize on the use of new learning techniques, simulation technology, embedded training, augmented reality and/or distributed learning to enhance user capabilities, maintain skill proficiencies, and reduce training cycle time and costs.	Understand opportunities to replace classroom training with simulated, embedded, mobile training team or distance learning.	Develop plans for and implement new learning techniques and technologies to improve training effectiveness at reduced cost.	Introduce simulators for training to maximize proficiency at best value where it is dangerous, high cost or high negative impact to unit readiness.			2
11-5	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Define program metrics to evaluate training system effectiveness, cost and overall impact on program metrics and outcomes within the performance based outcome environment.	Establish student and field feedback mechanisms to continue to improve training.	Develop and implement training and training support performance metrics integrated with program performance metrics.	Optimize training strategies through trade studies balancing affordability against training effectiveness and delivery requirements.			3
11-6	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Develop and implement the System Training Plan (STP) addressing training, infrastructure and requisite funding processes to include lesson plans, training material, and training equipment.	Conduct analysis early in the system acquisition life cycle to determine training requirements and develop training plans to identify gaps, funding shortfalls, and future needs.	Understand how different sustainment strategies impact training levels and related life cycle costs.	Understand how weapon system OPTEMPO changes impacts training and training support requirements and weapon system readiness.	Define, develop and implement capabilities-based training for national security requirements across DoD agencies, Services, joint, interagency, intergovernmental, and multinational operations.	Maximize commonality, multi-program usage, and integration of training and training support.	2

11-7	Life Cycle Logistics	Human Capital Management	Training & Training Support	TRN - Evaluate training efficiency and effectiveness to maximize usage of standardized, common training systems, facilities and equipment (minimizing the introduction into military systems of new unique items).	Understand how to build reusability, durability, interoperability, maintainability and portability into training products and content.	Minimize system sustainment training requirements by maximizing design interface opportunities.	Support the use of commercial standards or other accepted standards that promote commonality across DoD Components.	Develop long term training improvement programs to ensure currency of both training material and training standards.		3
12-1	Life Cycle Logistics	Human Capital Management	Manpower & Personnel	M&P - Understand Manpower & Personnel impacts the other Product Support Elements and program functional activities during each Life Cycle phase and in the broader performance based outcome environment.	Understand how Manpower and Personnel impact and are impacted by each Product Support Element.	Understand how Manpower and Personnel impact and are impacted by each program functional area.	Understand how program outcome based metrics impact and are impacted by manpower and personnel requirements.	Understand laws, policy and regulations governing manpower and personnel procurement, operation and reassignment.		1
12-2	Life Cycle Logistics	Human Capital Management	Manpower & Personnel	M&P - Define and update military & civilian manpower estimates and related life cycle costs to meet program operational (post-fielding) sustaining requirements.	Understand and develop manpower and personnel inputs to the acquisition process milestone deliverables.	Understand the differences in wartime and peacetime personnel requirements and management.	Understand and evaluate required analysis to validate manpower and personnel requirements.			2
12-3	Life Cycle Logistics	Human Capital Management	Manpower & Personnel	M&P - Ensure system sustaining requirements align to the performance characteristics of the user population over the life of the program.	Evaluate weapon system requirements for personnel performance and skill characteristics.	Understand how technologies impact requirements for personnel performance characteristics.				3
12-4	Life Cycle Logistics	Human Capital Management	Manpower & Personnel	M&P - Plan for and manage military, civilian and contractor workforce to execute program sustaining activities prior to and after fielding of the baseline weapon system and its major mods and upgrades.	Understand how different sustainment strategies impact manning levels and related life cycle costs.	Understand how weapon system OPTEMPO impacts manpower and personnel requirements and weapon system readiness.	Understand policies and practices for management of the military workforce.	Understand policies and practices for management of the DoD civilian workforce.	Understand the role and management of Contractors for weapon system support.	2
9-1	Life Cycle Logistics	Infrastructure Management	Facilities & Infrastructure	F&I - Understand how Facilities & Infrastructure impacts and integrates among the other Product Support Elements and program functional activities during the total life cycle.	Understand how facilities and infrastructure impacts and is impacted by each Product Support Element.	Understand how facilities and infrastructure impacts and is impacted by each program functional area.	Understand how program outcome based metrics impact and are impacted by facilities and infrastructure requirements.			2
9-2	Life Cycle Logistics	Infrastructure Management	Facilities & Infrastructure	F&I - Identify requirements and develop plans for the acquisition, management and budgeting of facilities to support program goals and metrics, maximizing usage among multiple DoD programs and systems.	Understand the development of the facilities plan containing all elements of facilities and infrastructure for life cycle sustainment of the weapon system.	Understand the Planning, Programming, Budgeting and Execution (PPBE) and capital investment processes as they apply to facilities and infrastructure.	Maximize commonality, multi-program usage, and integration of facilities and infrastructure.			2

9-3	Life Cycle Logistics	Infrastructure Management	Facilities & Infrastructure	F&I - Evaluate necessary acquisition strategy inputs (i.e., industrial capability assessments) for facilities & infrastructure areas (i.e., environmental, energy, real estate, budgeting, contracting, facility engineering and sustaining).	Understand the different relationships between Government and industry for facilities ownership, management, use and resources.	Understand and develop facilities and infrastructure inputs to the acquisition process milestone deliverables.	Evaluate facilities performance and recommend improvements.			3
9-4	Life Cycle Logistics	Infrastructure Management	Facilities & Infrastructure	F&I - Plan and implement site activation and operations activities to support system acquisition, operations and sustaining requirements IAW law and DoD regulations.	Understand Title X statutory requirements, laws, DoD and Service policy related to facilities management.	Understand site activation processes for both permanent and temporary facilities and infrastructure.	Identify and implement integration with host installation and community policies to include environmental stewardship.	Evaluate operation of facility-related systems management, engineering, administration, maintenance, disposal, and information technology systems.	Understand, plan for and implement facilities and infrastructure recapitalization programs.	3
9-5	Life Cycle Logistics	Infrastructure Management	Facilities & Infrastructure	F&I - Optimize systems strategy, design and development using performance and metrics criteria that target facilities and infrastructure readiness and affordability.	Understand how different sustainment strategies impact facilities requirements and related life cycle costs.	Understand how weapon system Operational Tempo (OPTEMPO) changes can impact facilities requirements and weapon system readiness.	Apply program performance metrics to optimize facilities and infrastructure usage and affordability.			not rated - NEW
10-1	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Understand how Computer Resources integrates and impacts other Product Support Elements and program functional activities during each Life Cycle phase.	Understand program requirements for computer resource hardware and software products and services.	Understand how computer resources impacts and is impacted by each Product Support Element.	Understand how computer resources impacts and is impacted by each program functional area.	Understand and develop computer resources inputs to the acquisition process milestone deliverables.		2
10-2	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Implement the software acquisition process to achieve highly reliable and affordable software capabilities.	Perform a needs analysis for all elements of computer resources.	Manage the development and implementation of the Information Support Plan (ISP) scope for computer resources.	Develop the Life Cycle Sustainment Plan (LCSP) to address computer resources.	Develop and apply aggressive design interface and product improvement practices to optimize computer resources and its sustainment requirements.	Establish a software licenses management plan and service level agreements.	3
10-3	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Evaluate and implement solutions for system security and information assurance requirements and solutions to support performance based life cycle product support outcomes.	Establish an Information Assurance (IA) plan for mission critical items, managing risks related to the use, processing, storage, and transmission of information, data and related systems and processes	Understand the Defense Information Switch Network (DISN) and other infrastructure requirements.	Develop and implement necessary security and anti-tamper measures.	Develop a disaster recovery plan.	Understand and implement secure archiving and storage practices.	3
10-4	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Develop or acquire, field, sustain and dispose of computer hardware and software products for mission critical systems.	Manage the acquisition, operation and sustainment of computer resources hardware and software products.	Understand computer software configuration items to include test descriptions, operating environments, user / maintainer manuals, and computer code.	Evaluate system requirements and design constraints within the context of the support plan and establish a Computer Resource Support Plan to describe development, acquisition, test, and support plans for computer resources.	Develop test parameters and metrics to ensure computer resources are effective and supportable in the operational environment when the system is delivered.	Establish computer resources hardware and software disposal practices.	2

10-5	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Ensure Computer Resources operations support mandatory Net-Ready KPPs, integrate with program KPPs and KSAs, and comply with law and DoD regulations.	Understand Title X statutory requirements, laws, DoD and Service policy related to computer resources management.	Understand how program outcome based metrics impact and are impacted by computer resources requirements within the performance based life cycle product support environment.	Implement the Net Ready Key Performance Parameter to analyze, identify and describe interoperability requirements.	Understand how different sustainment strategies impact computer resources requirements and related life cycle costs.	Understand how weapon system Operational Tempo (OPTEMPO) changes impact computer resources requirements and weapon system readiness.	3
10-6	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Manage computer resources issues for joint, inter-agency, and international agreements.	Comply with U.S. and host nation spectrum regulations for electromagnetic related requirements.	Identify and implement integration with global information systems and host installation policies and infrastructure.				3
10-7	Life Cycle Logistics	Technical Management	Computer Resources	CPU - Apply computer resources commercial standards achieving technical sufficiency, interoperability, quality assurance and readiness at optimized life cycle cost.	Apply standardized interfaces to enhance operations and support efficiency.	Establish effective baseline management demonstrating computer resources financial and managerial controls.	Develop quality assurance plans for computer resources hardware, software, and services.	Evaluate and implement new technologies to improve computer resources capabilities to improve weapon system readiness and affordability.	Lead computer resources Communities Of Interest (COI) products and capabilities to support computer resources data properties: visible, accessible, governable, understandable and trusted.	3