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CLP

Core Life Cycle Phases

THE FUNDAMENTAL ELEMENTS OF LIFE CYCLE MANAGEMENT



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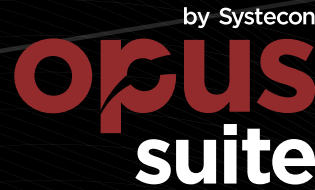
Qa

Quality Assurance

An overview of the key elements of Life Cycle Management

3 Cn Concept	4 ILS Integrated Logistics Support	<div><div><div>CORE LIFE CYCLE PHASES</div><div>STRATEGIC DECISION AREAS</div><div>COMPLIANCE & STANDARDS</div></div><div><div>SUPPORT FUNCTIONS</div><div>FLEET READINESS & AVAILABILITY</div><div>LIFE CYCLE TECHNOLOGY ENABLERS</div></div><div><div>LIFE CYCLE OPTIMIZATION TOOLS</div><div>RISK & SAFETY MANAGEMENT</div><div>ADVANCED R&D AND EMERGING TECHNOLOGIES</div></div></div>										5 Fr Fleet Readiness	6 AFM Asset Fleet Modelling	7 Ou Operational Uptime	8 Pm Preventive Maintenance	9 CRM Crisis Response Management	10 Cert Certification	
11 Pr Procurement	12 IPS Integrated Product Support											13 Sc System Configuration	14 Mp Mobility Planning	15 Rp Redundancy Planning	16 Sp Spares Planning	17 Sm Safety Management	18 Lc Life Cycle Compliance	
19 Dv Development	20 Pm Preventive Maintenance	21 Co Cost Optimization	22 Rm Readiness Monitoring	23 Sp Spare Parts Planning	24 Cd Cost Distribution	25 CFM Contract & Funding Management	26 Ts Technical Support	27 HRM Human Resource Management	28 Sa Strategic Alignment	29 PMM Predictive Maintenance Modeling	30 DMX Data Management Exchange	31 MAA Mission-to-Asset Allocation	32 Pd Performance Dynamics	33 Cl Capacity Logistics	34 Dr Downtime Reduction	35 Comp Compliance	36 Sus Sustainability	
37 Co Commissioning	38 Cm Corrective Maintenance	39 EVO EVO Tool	40 CFG Configuration Management	41 TL Transport Logistics	42 Um Usage Monitoring	43 Mo Mission Optimization	44 TQM Total Quality Management	45 Ss Scenario Simulation	46 Rs Risk Simulation	47 La Life Cycle Analytics	48 Ca Compliance Assurance	49 Ra Risk Assessment	50 LCM Life Cycle Management	51 Rs Resource Synchronization	52 Rc Resource Coordination	53 Rr Risk Reliability	54 Ee Energy Efficiency	
55 Os Operations and Support	56 SCM Supply Chain Management	58 - 71		72 Am Attrition Modeling	73 Dm Decision Modeling	74 Ma Maintenance Analytics	75 Re Resource Estimation	76 Dr Damage Recovery	77 Cr Cost Reduction	78 It Inventory Tracking	79 Sd Supply Distribution	80 SIM Simulation	81 RI Reliability Analysis	82 Cc Capacity Constraints	83 Tf Technical Flexibility	84 Dc Data Connectivity	85 Ei Environmental Impact	86 Ds Data Security
87 Re Replacement	88 Im Inventory Management	90 - 103		104 FBL Fixed Base Logistics	105 Op Operational Planning	106 Lm Life Cycle Mapping	107 Tp Task Prioritization	108 Te Task Efficiency	109 In Inventory Efficiency	110 Is Incident Simulation	111 Tq Total Quality Management	112 Ro Resource Optimization	113 CBA Cost-Benefit Analysis	114 Lo Logistical Optimization	115 Ei Environmental Impact	116 Ci Cybersecurity Integration	117 OPS Operational Safety	118 HSE Health, Safety, and Environment

58	IoT	IoT Integration	59	PMX	Predictive Maintenance	60	Bc	Blockchain	61	3DP	Additive Manufacturing	62	Ar	Augmented Reality	63	As	Autonomous Systems	64	Cs	Cybersecurity	65	De	Data Encryption	66	SRM	System Readiness Monitoring	67	Wt	Wearable Tech	68	5G	5G Connectivity	69	CCS	Central Cloud Storage	70	Ec	Edge Computing	71	Dv	Data Visualization
90	Et	Emerging Technologies	91	Es	Experimental Systems	92	AIA	AI Algorithms	93	Hs	Hypersonic Systems	94	Qc	Quantum Computing	95	Mt	Microtechnology	96	ANN	Artificial Neural Networks	97	Pa	Predictive Analytics	98	Re	Renewable Energy	99	NUE	Nuclear Energy Research	100	Am	Advanced Materials	101	Sf	Sensor Fusion	102	BIO	Biometrics	103	TLM	Telematics



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