



Systems Engineering as the Integrating Discipline to Help Improve Program Performance

Pat Seamon
Division Vice President,
Engineering and Operations
Harris Corporation
Government Communications Systems

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Division Vice President
Engineering and Operations
Patrick Seamon

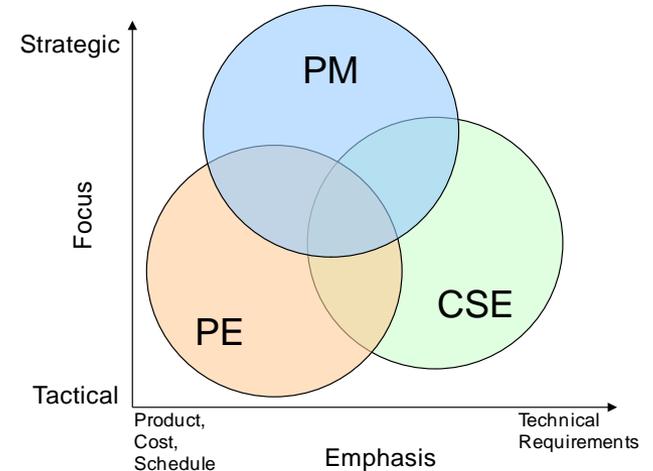
Harris GCS Engineering and Operations is Organized to Align People, Disciplines, and Technology for Support to Programs



Harris SE Leadership Roles



SE Role	Definition
Chief Systems Engineer (CSE)	Senior technical authority and point of contact for a program, pursuit, study.
Project Engineer (PE)	Implements and executes the plan for delivering the system, within established cost, schedule, and technical baselines.
Systems Architect	Creates program conceptual approach based on a thorough understanding of customer mission, applications, and value system.
Advanced Programs Engineer (APE)	Provides strategic technical leadership to draw on Harris technical competencies to meet the business needs of Harris and its customers.
Enterprise Architect	Works with stakeholders to validate understanding of an organization's strategy, processes, information, and information technology assets.



SE Leadership Roles Target Mission Success from Concept through Deployment

Critical Factors for Managing Success in Business and Program Performance



Success Factor	Systems Engineering in Practice
Affordability	<ul style="list-style-type: none">•Affordability trade-offs, training on the mindset•Right-sizing requirements (and sticking to them)•Life Cycle Cost, Design to Cost (DTC), Design for “X”
Technology Discriminators	<ul style="list-style-type: none">•Engineer solutions to hard mission problems•Proactive risk mitigation, TRL (may vary by domain)•Alignment of targeted IR&D technology investments
Invest in Improvements that Matter	<ul style="list-style-type: none">•Operational effectiveness - portfolio prioritized by ROI•Lean Six Sigma – better, cheaper, faster•The right incentives to re-invest efficiency savings
Incentivize Innovation and Collaboration	<ul style="list-style-type: none">•Accelerate culture change, break traditional mindsets•Environments designed for innovation, collaboration•Rapid prototyping, technology demos, labs, studies
Talent Management	<ul style="list-style-type: none">•Workforce competencies and skills (leadership, technical)•Succession planning, mentoring, SMEs, program support



Innovation. Performance. Anytime. Anywhere.

Contact Information:

Pat Seamon

Vice-President, Engineering and Operations

Harris Corporation, Government Communications Systems

pseamon@harris.com

