

**COMPETENCIES
EMPLOYEE SELF-ASSESSMENT**

**SYS 301 - ADVANCED SYSTEMS PLANNING, RESEARCH,
DEVELOPMENT, AND ENGINEERING**

SYS 301	Competency	Yes	No	Work Description/Justification
1	Identify the policies, interactions, relationships, and impacts which characterize the Systems Planning, Research, Development, and Engineering (SPRDE) function and its relationship with the 5000-series-managed acquisition life cycle.			
2	Evaluate Organization, Communication, and Teaming techniques that facilitate Integrated Product and Process Development.			
3	Apply systems engineering analysis and control tools, employing an Integrated Product and Process Development approach to systems engineering management.			
4	Given access to a system acquisition, identify potential modeling and simulation requirements, benefits, pitfalls, planning, and applications in systems acquisition.			
5	Apply technology to create and augment Defense Capabilities.			
6	Given access to a system acquisition, evaluate the effective execution of the entire Concept Exploration (CE) phase using the Systems Engineering Process.			

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7	Given access to a system acquisition, evaluate Program Definition/Risk Reduction (PDRR) issues, products, and processes using the Systems Engineering Process and tools.			
8	Given source selection documentation, apply acquisition reform initiatives in the development of the solicitation and source selection evaluation process that support the technical goals and address SPRDE management issues.			
9	Given access to a system acquisition, evaluate the systems engineering product and processes used during the Engineering and Manufacturing Development (EMD) Phase.			
10	Given access to a system acquisition, distinguish the major statutory/regulatory provisions of environmental, safety, and health impacts on the systems acquisition life cycle.			

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11	Given access to a system acquisition, evaluate use of the systems engineering process to monitor and control the system configuration, support the production process, and control the program cost and schedule.			
12	Given access to a system acquisition, evaluate use of the systems engineering process to reduce risk of operational/support problems, as well as plan and monitor the fielding process.			
13	Given access to a system acquisition, select practical courses of action to achieve improved performance, cost or safety in weapon systems by taking advantage of new technologies.			
14	Analyze the benefits and pitfalls of international acquisition from a SPRDE manager's perspective.			
15	Apply the regulatory ethical behaviors that Government employees are legally responsible to follow.			