



## DEFENSE ACQUISITION UNIVERSITY EMPLOYEE SELF-ASSESSMENT

### STM 304 - Leadership in Science and Technology Management

Note:

- Provide a justification(s) package referencing the numbered outcomes as appropriate on separate paper.
- Only the numbered outcomes (bold font) need to be addressed.
- The enablers (indented if specified) are provided to ensure the outcome is sufficiently addressed.
- The **Achieved** column is for use by the initial (functional) evaluator.
- Attach this guide with the justification to the DD form 2518 for a complete package.

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<b>Outcomes and Enablers</b>		<b>Achieved?</b>	
		<b>Yes</b>	<b>No</b>
<b>1</b>	<b>Evaluate the theory of strategic planning for a technology organization and the current practices within the DoD</b>		
	Describe the steps to develop a well-conceived vision		
	Compare the major theories of strategic planning		
	Discuss how the DoD components conduct strategic planning and what constraints the DoD faces		
	Demonstrate how to focus long term interests and strategies of your organization within a DoD context		
<b>2</b>	<b>Explain the key steps in managing a S&amp;T strategy</b>		
	Demonstrate how to align an organization with its strategic goals when managing an S&T strategy		
	Demonstrate how the Better Buying Power Initiative influences S&T		
	Demonstrate how we can promote innovation		
	Explore translating S&T capability requirements into development plans and actionable steps		
	Outline the important distinction between push and pull technologies in technology transition		
<b>3</b>	<b>Analyze the principles of technology roadmapping to a technology area</b>		
	Outline the purposes of technology roadmapping		
	Compare the types and steps of technology roadmapping		
	Analyze the best practices of technology roadmapping		
	Illustrate the benefits of roadmapping to researchers and customers		
	Discuss key DoD initiative: Reliance 21 and Communities of Interest (COI's)		
<b>4</b>	<b>Given top-level strategic objectives and current DoD processes and best practices, evaluate technology portfolios to construct leadership recommendations for prioritization.</b>		
	Discuss key pieces of portfolio management process		
	Describe the technology portfolio development/management processes used by the DoD Services and Agencies		
	Discuss the challenges with evaluating and balancing technology alternatives		
	Demonstrate the roles of different strategic "bins" in a portfolio (e.g., innovative/disruptive, bridging, leap ahead)		
	Compare processes for identifying technology gaps and requirements		
	Learn how to use value hierarchies to structure prioritization		
	Compare different prioritization procedures based on relevant criteria (e.g. complexity, transparency, etc)		
	Prepare results of prioritization		
<b>5</b>	<b>Assess methods to address challenges in developing and managing technology portfolios</b>		
	Evaluate a portfolio for a budgetary decision		
	Prepare results of prioritization and risk management processes		