

**COMPETENCIES  
EMPLOYEE SELF-ASSESSMENT**

**TST 301 - ADVANCED TEST AND EVALUATION**

<b>TST 301</b>	<b>Competency</b>	<b>Yes</b>	<b>No</b>	<b>Work Description/Justification</b>
1	<b>Systems Acquisition Process.</b> Identify and describe the PPBS process, milestone decision process, requirements generation process, integrated product development, roles of DoD components in acquisition, COEA process linkage to requirements and T&E planning			
2	<b>Role of T&amp;E in Systems .</b> Describe the joint and service specific T&E management structure to include: T&E policy and procedures, T&E legal requirements, OSD oversight structure, service specific T&E management structures, DT versus OT test, T&E as a risk mitigator, role of Modeling and Simulation in T&E, test team structure and its contribution to TEMP development and the difference between test and evaluation.			

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3	<p><b>Test and Evaluation Design.</b> Describe the T&amp;E role in determining the testability of requirements, evaluation strategy, analysis techniques, date requirement to support test plans, data source matrix, detailed test plans, resource requirements to support tests, validating test results, adequate sample size, environmental issues, threat representation requirements and resources, DT&amp;E performance criteria, OT&amp;E effectiveness and suitability criteria, T&amp;E's contribution to reliability growth, live fire test requirements, Modeling and Simulation capabilities and resources, parallel between T&amp;E and the scientific method.</p>			
4	<p><b>Resource Management.</b> Identify and describe resource requirements to include: the MRTFB resource sources, e.g., TECNET, Range Commanders Council, DTEPI, I&amp;M and CTEIP, project Reliance and test resource requirements for Part V of the TEMP.</p>			

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5	<b>Data Collection.</b> Identify various data sources to include instrumentation, telemetry, etc., and data base storage and retrieval requirements, data protection requirements, data transmission and test site interconnection.			
6	<b>Software.</b> Define software test techniques and software metrics.			
7	<b>Analysis.</b> Recognize and differentiate various analysis techniques to include: operational research, statistics, engineering analysis, modeling and simulation, data displays, use of surveys and data tabulation, software analysis, data fusion and COEA linkage. o Recognize and differentiate different areas of analyses to include: integrated logistics support, software and hardware, technical performance, operational effectiveness and suitability, human factors, reliability and maintainability, survivability, transportability and interoperability, safety and manpower personnel and training.			

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8	<b>Evaluation.</b> Describe different techniques to evaluate technical performance, operational effectiveness and suitability.			
9	<b>Reporting.</b> Identify test report needs and requirements, policy and techniques for archiving, data display requirements and reporting, customers needs for briefing and reports and the need for report timeliness.			