

**COMPETENCIES  
EMPLOYEE SELF-ASSESSMENT**

**BCF 101 – FUNDAMENTALS OF COST ANALYSIS**

<b>BCF 101</b>	<b>Competency</b>	<b>Yes</b>	<b>No</b>	<b>Work Description/Justification</b>
1	Explain the major types of life cycle cost estimates and explain their use in the life cycle management model.			
2	Describe the structure of a life cycle cost estimate.			
3	Use descriptive statistics to develop and communicate information.			
4	Use inferential statistics to estimate population parameters, values of specific future occurrences, and to perform hypothesis testing.			
5	Use appropriate guidance to estimate the effects of inflation on cost estimates.			
6	Use regression and correlation to develop cost estimating relationships in linear, power, and exponential forms.			
7	Assess parametric estimating relationships prepared by others.			
8	Define the learning curve of a historical system.			
9	Develop a learning curve for a new system and use it to predict recurring production costs.			
10	Estimate the risk reserve required for a program.			
11	Use analogies to produce appropriate cost estimates.			
12	Prepare and use appropriate cost factors in life cycle cost estimates.			

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13	Explain the common biases technical experts exhibit when providing estimates.			
14	Elicit information from technical experts.			
15	Explain the requirements for and techniques of economic analyses.			
16	Explain the special circumstances of and techniques of software cost estimating.			