



DEFENSE ACQUISITION UNIVERSITY
BCF 301- Business, Cost Estimating & Financial Management Workshop

150504

*Course Learning/Performance Objectives followed by its
enabling learning objectives on separate lines if specified.*

1	Explain the basic concepts of Cost Analysis
	Define the different cost terms
	Describe the cost estimate approval process
	Describe the various cost estimating methodologies
2	Explain the basic concepts of Budget Policy
	Describe the various funding policies
	Explain how to convert Base Year to Then Year Dollars
	Explain the concept of trade off analysis
3	Describe the various cost estimating methodologies
	Describe the Analogy Cost Estimating Method
	Describe the Parametric Cost Estimating Method
	Describe the Engineering Cost Estimating Method
4	Explain the PPBE process
	Explain the events in the Planning Phase
	Explain the events in the Programming Phase
	Explain the events in the Execution Phase
5	Describe the Budget Exhibits format
	List the data contained on the various Procurement Documents
	List the data contained on the various RDT&E Documents
	Explain the use of Budget Exhibits
6	Explain Congress' role in the DoD Acquisition Process
	List the four major committees involved in the Enactment Process
	Explain the purpose of the Authorization Bill
	Explain the purpose of the Appropriation Bill
7	Determine the amount of a DoD Congressional Appeal
	Explain the Congressional Appeals Process
	Explain the Role of the Conference Committee
	Explain the PMO's role in the Congressional Appeals Process
8	Explain the basic analytical concepts of Earned Value Management
	Define BCWS, BCWP, and ACWP
	Define cost and schedule variance
	Define SPI and CPI
	Define TCPI-EAC and TCPI-LRE
	Define BAC, EAC and VAC
9	Determine/develop an EAC
	Examine the process to develop an EAC
	Analyze performance data to predict future performance
	Explain the relationship between an LRE and TCPI-LRE
10	Explain the Budget Execution policy
	Explain the budget authority distribution process
	Define the terms: commitment, obligation, expenditure and outlay
	Explain the PMO's role in executing budget authority
11	Describe the Budget Execution funding phases



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	Identify the activities allowed in the current phase
	Identify the activities allowed in the expired phase
	Identify the activities allowed in the canceled phase
12	Explain the relationship between contract type and budgeting
	Explain the important aspects of fixed price and cost plus contracts
	Explain the budgeting policies for the various contract types
	Outline the process to develop an Estimated Price at Completion
13	Analyze program cost, EVMS, and budget data
	Validate the contractor's LRE
	Develop an EPC based on the contractor's LRE
	Determine if funds are available to support the cost of the program
14	Develop and defend a POM/BES submission
	Develop an EAC
	Develop a EPC
	Determine the amount of funds needed by appropriation
	Determine the budgetary phasing by appropriation
15	Describe the purpose of the IPMR and CFSSR
	Examine the data contained on the IPMR
	Examine the data contained on the CFSSR
	Examine the data contain on the DID
16	Define key terms in financial management, EVMS, and cost analysis
	Define the key financial management terms
	Define the key earned value management terms
	Define the key cost analysis terms
17	Describe how risk affects the DoD Acquisition Process
	Define the term risk
	Explain the DoD Risk Matrix
	Describe the four actions in dealing with risk
18	Evaluate the interrelationship of Earned Value Management (EVM) to other Business Cost Estimating and Financial Management (BCEFM) functions to determine impact on the program
	Analyze EVM data on the contract and its implication on cost.
	Examine the problems on the program and long term implications given EVM guidelines.
	Assess potential trade-offs between key performance parameters.
	Predict how contract analysis can provide indications of current status, trends and a forecast of final costs.
19	Defend the relevant Business, Cost Estimating and Financial Management- Related Laws, Regulations, Policies and Procedures to apply to a given scenario
	Evaluate a scenario to determine proper appropriation and funding policies to be applied.
	Evaluate an obligation plan to determine the health of a program and implications to program execution and funding.
	Evaluate the budget for adequacy of funding of a CPIF contract with cost overruns.
	Assess the best Cost Estimating (CE) methodologies to use based on data available and timing in the acquisition process.
	Explain the various costs within a program (i.e. Life Cycle Costs, Development, Flyaway, Weapon System, Procurement and Program Acquisition).
	Justify changes in these costs and their possible cause of a breach. Discuss and recommend the required actions based on type of breach.
	Examine the various methods and players used to verify a cost estimate throughout the program's life cycle.



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20	Evaluate the interrelationship of Earned Value Management (EVM) to other Business Cost Estimating and Financial Management (BCEFM) functions to determine impact on the program
	Analyze the relationship between EVM data and BCEFM functions and the impact each has on the other.
	Analyze EVM data on the contract and its implication on cost.
	Examine the problems on the program and long term implications given EVM guidelines.
	Assess potential trade-offs between key performance parameters.
	Predict how contract analysis can provide indications of current status, trends and a forecast of final costs.
	Evaluate how the budget apportionment process will impact availability and timing.
	Assess a scenario to determine if there are violations of any of the fiscal laws (i.e. Misappropriation, Anti-deficiency, Bona-fide Need).
	Evaluate an obligation plan to determine the health of a program and implications to program execution and funding.
	Justify reprogramming a strategy for satisfying funding requirements
	Evaluate the budget for adequacy of funding of a CPIF contract with cost overruns.
	Examine the funding impact of various types of contracts.
	Assess the best Cost Estimating (CE) methodologies to use based on data available and timing in the acquisition process.
	Compare and contrast the various costs within a program (i.e. Life Cycle Costs, Development, Flyaway, Weapon System, Procurement and Program Acquisition).
	Justify changes in these costs and their possible cause of a breach. Discuss and recommend the required actions based on type of breach.
Examine about the various methods and players used to verify a cost estimate throughout the program's life cycle.	
21	Select a cost estimate methodology based on a programmatic situation
	Determine the validity of a parametric estimate based upon data available
	Determine the validity of an analogy estimate based upon data available
	Determine the validity of an engineering estimate based upon data available
22	Evaluate the interrelationship of Earned Value Management (EVM) to other Business Cost Estimating and Financial Management (BCEFM) functions to determine impact on the program
	Analyze the relationship between EVM data and BCEFM functions and the impact each has on the other.
	Analyze EVM data on the contract and its implication on cost.
	Interpret the problems on the program and long term implications given EVM guidelines.
	Evaluate the pros and cons of the various EAC methodologies for the scenario provided.
	Predict how contract analysis can provide indications of current status, trends and a forecast of final costs.
Compare and Contrast automated Estimate Value Management (EVM) data analysis tools for their advantages and disadvantages.	
23	Defend the relevant Business, Cost Estimating and Financial Management- Related Laws, Regulations, Policies and Procedures to apply to a given scenario
	Evaluate a scenario to determine proper appropriation and funding policies to be applied.
	Evaluate how the budget apportionment process will impact availability and timing.
	Defend a decision to adjust program finding based on commitment, obligation, expenditure, and outlays.
	Assess a scenario to determine if there are violations of any of the fiscal laws (i.e. Misappropriation, Anti-deficiency, Bona-fide Need).
	Evaluate an obligation plan to determine the health of a program and implications to program execution and funding.
	Defend the program funding position given a proposed budget reduction.
	Evaluate the budget for adequacy of funding of a CPIF contract with cost overruns.
	Discuss the funding impact of various types of contracts.
	Defend the P&R form decisions at a budget review.
	Defend the steps that must be taken in the PPBE process to include the purpose, timing, major documents and activities and OSD lead organizations and implications for yhour program's funding
	Assess the Congressional Appeal process for its impact on program funding.



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	Assess the best Cost Estimating (CE) methodologies to use based on data available and timing in the acquisition process.
	Justify changes in these costs and their possible cause of a breach. Discuss and recommend the required actions based on type of breach.
24	Develop and defend a Recovery (Acquisition) Strategy
	Explain the purpose of key acquisition activities
	Explain the interrelationships between key acquisition activities
	Determine factors impacting the program's integrated master schedule
25	Evaluate the interrelationship of Earned Value Management (EVM) to other Business Cost Estimating and Financial Management (BCEFM) functions to determine impact on the program
	Analyze the relationship between EVM data and BCEFM functions and the impact each has on the other.
	Analyze EVM data on the contract and its implication on cost.
	Examine the problems on the program and long term implications given EVM guidelines.
	Evaluate the pros and cons of the various EAC methodologies for the scenario provided.
	Assess potential trade-offs between key performance parameters.
	Predict how contract analysis can provide indications of current status, trends and a forecast of final costs.
	Evaluate a scenario to determine proper appropriation and funding policies to be applied.
	Evaluate how the budget apportionment process will impact availability and timing.
	Assess a scenario to determine if there are violations of any of the fiscal laws (i.e. Misappropriation, Anti-deficiency, Bona-fide Need).
	Evaluate an obligation plan to determine the health of a program and implications to program execution and funding.
	Justify reprogramming a strategy for satisfying funding requirements
	Examine the proper fiscal year of funds to use in order to pay old bills given the rules governing the use of expired and cancelled funds.
	Distinguish between the various characteristics of contract types and the implication of choice of contract type on your program.
	Discuss the funding impact of various types of contracts.
	Justify changes in these costs and their possible cause of a breach. Discuss and recommend the required actions based on type of breach.
	Explain about the various methods and players used to verify a cost estimate throughout the program's life cycle.
26	Develop and defend a Recovery (Acquisition) Strategy
	Explain the purpose of key acquisition activities
	Explain the interrelationships between key acquisition activities
	Determine factors impacting the program's integrated master schedule
27	Evaluate the interrelationship of Earned Value Management (EVM) to other Business Cost Estimating and Financial Management (BCEFM) functions to determine impact on the program
	Analyze the relationship between EVM data and BCEFM functions and the impact each has on the other.
	Analyze EVM data on the contract and its implication on cost.
	Identify the problems on the program and long term implications given EVM guidelines.
	Evaluate the pros and cons of the various EAC methodologies for the scenario provided.
	Assess potential trade-offs between key performance parameters.
	Predict how contract analysis can provide indications of current status, trends and a forecast of final costs.
	Compare and Contrast automated Estimate Value Management (EVM) data analysis tools for their advantages and disadvantages.
28	Defend the relevant Business, Cost Estimating and Financial Management- Related Laws, Regulations, Policies and Procedures to apply to a given scenario
	Evaluate a scenario to determine proper appropriation and funding policies to be applied.
	Evaluate how the budget apportionment process will impact availability and timing.
	Defend a decision to adjust program finding based on commitment, obligation, expenditure, and outlays.
	Assess a scenario to determine if there are violations of any of the fiscal laws (i.e. Misappropriation, Anti-deficiency, Bona-fide Need).
	Evaluate an obligation plan to determine the health of a program and implications to program execution and funding.



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	Defend the program funding position given a proposed budget reduction.
	Justify reprogramming a strategy for satisfying funding requirements
	Examine the proper fiscal year of funds to use in order to pay old bills given the rules governing the use of expired and cancelled funds.
	Distinguish between the various characteristics of contract types and the implication of choice of contract type on your program.
	Evaluate the budget for adequacy of funding of a CPIF contract with cost overruns.
	Discuss the funding impact of various types of contracts.
	Defend the P&R form decisions at a budget review.
	Defend the steps that must be taken in the PPBE process to include the purpose, timing, major documents and activities and OSD lead organizations and implications for yhour program's funding
	Defend the program funding levels throughout the three phases of Congressional Enactment, i.e. budget resolution, authorization and appropriation, and program implications
	Assess the Congressional Appeal process for its impact on program funding.
	Defend a program status briefing for the PEO.
	Defend a restructure plan for the program to address problems.
29	Defend Cost Estimating (CE) strategies appropriate for a given situation.
	Assess the best Cost Estimating (CE) methodologies to use based on data available and timing in the acquisition process.
	Examine the various costs within a program (i.e. Life Cycle Costs, Development, Flyaway, Weapon System, Procurement and Program Acquisition).
	Justify changes in these costs and their possible cause of a breach. Discuss and recommend the required actions based on type of breach.
	Explain about the various methods and players used to verify a cost estimate throughout the program's life cycle.