



# Objectives Sheet

## CON 243 - Architect-Engineer Contracting

*Course Learning/Performance Objectives followed by enabling learning objectives*

<b>CON 243.U01.01</b>	<b>Given a requirement for A-E services, determine if the services require Selection of Architects and Engineers Statute procedures and identify basic steps necessary for the requirement.</b>
CON 243.U01.01.01	Identify three methods of satisfying design requirements
CON 243.U01.01.02	Identify laws, legislative history and regulations, which apply to architect-engineer contracting in the Department of Defense
CON 243.U01.01.03	Identify the members of the team and their roles involved in the architect-engineer contracting process
CON 243.U01.01.04	Define "professional architect-engineer firm"
CON 243.U01.01.05	Distinguish between "architect-engineer" services and other professional services
CON 243.U01.01.06	List the steps necessary to award an architect-engineer contract
CON 243.U01.01.07	Explain why contracting using the Selection of Architects and Engineers procedures is considered a competitive procurement in accordance with the Competition in Contracting Act
<b>CON 243.U02.01</b>	<b>Given a requirement for A-E services, recommend how the project is to be advertised and devise the elements to be contained in the synopsis for the advertisement.</b>
CON 243.U02.01.01	Explain the purposes of advertising A-E requirements
CON 243.U02.01.02	Comprehend the different methods and forums available for advertising A-E requirements and predict the effects on the advertisement
CON 243.U02.01.03	Identify response times associated with the different methods for advertising
CON 243.U02.01.04	Distinguish the different types of set-asides that may be made in architect-engineer contracting and predict the impacts of each one
CON 243.U02.01.05	Distinguish which elements make up a complete advertisement
CON 243.U02.01.06	Interpret and explain between the required FAR evaluation criteria and DFARS considerations
CON 243.U02.01.07	Design and defend evaluation criteria choices and considerations for a specific project
<b>CON 243.U03.01</b>	<b>Given a requirement for architect-engineer services, breakdown the elements necessary for performance work statement</b>
CON 243.U03.01.01	Compare the differences between the work scope and the performance work statement
CON 243.U03.01.02	Interpret when the performance work statement for the project should be written
CON 243.U03.01.03	Employ information sources used to develop performance work statements
CON 243.U03.01.04	Describe the purpose of an A-E performance work statement and summarize the essential elements which the PWS should contain.
CON 243.U03.01.05	Examine the effect of environmental law and Executive Order on requirements for A-E contracts
CON 243.U03.01.06	Apply the additional requirements necessary when the contract will be an indefinite delivery contract
CON 243.U03.01.07	Distinguish between the different types of options which may be written into the contract
CON 243.U03.01.08	Identify the additional requirements necessary when the contract will contain an option
<b>CON 243.U04.01</b>	<b>Given an architect-engineer requirement which has been advertised and qualifications statements received, evaluate the firms and conclude the order in which they will be ranked.</b>
CON 243.U04.01.01	Breakdown the information that is contained in the qualifications statements (Standard Form 330)
CON 243.U04.01.02	Identify other information which needs to be reviewed in the evaluation process
CON 243.U04.01.03	Name the types of boards which may review the qualifications statements in the selection process
CON 243.U04.01.04	Classify personnel who may serve as evaluation board members
CON 243.U04.01.05	Identify the functions of the evaluation board(s)
CON 243.U04.01.06	Explain the responsibilities of the selection authority
CON 243.U04.01.07	Contrast the differences between the normal selection process and the short selection process
CON 243.U04.01.08	Comprehend information which should be included in the Request for Proposal for the firm selected as the most highly qualified
CON 243.U04.01.09	Identify information which may be released pertaining to the selection process
CON 243.U04.01.10	Summarize the Government's responsibilities for debriefing of successful and unsuccessful offerors after final selection
<b>CON 243.U05.01</b>	<b>Given the circumstance to prepare a Government estimate for A-E work or evaluate an A-E proposal, interpret and justify applicable cost principles specific to A-E contracting government estimates or cost proposals.</b>
CON 243.U05.01.01	Differentiate between when there is a need for Field Pricing Assistance verses a Defense Contract audit required on an architect-engineer proposal
CON 243.U05.01.02	Categorize and justify between costs that are allowable, unallowable and reasonable
CON 243.U05.01.03	Choose between when a cost is considered direct and indirect in A-E contracting and appropriately classify examples of each
CON 243.U05.01.04	Demonstrate how general and administrative expenses and overhead expenses are applied to direct labor



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CON 243.U05.01.05	Compare and contrast the various methods of how indirect rates are derived for architect-engineer services
CON 243.U05.01.06	Apply an indirect cost rate, given sample architect-engineer proposals
<b>CON 243.U06.01</b>	<b>Given the requirement to contract for A-E services, be able to support and defend a prenegotiation position though understanding the government estimate.</b>
CON 243.U06.01.01	State the dollar threshold requirement for the development of a Government estimate for architect-engineer projects
CON 243.U06.01.02	Determine the time frame requirement for preparation of the Government estimate
CON 243.U06.01.03	List sources of information which may help in the preparation of the Government estimate
CON 243.U06.01.04	Analyze and calculate the different elements of the Government estimate
CON 243.U06.01.05	Assess those services which are subject to the 6% statutory fee limitation and those that are not and apply
CON 243.U06.01.06	Justify the appropriate weighting for a profit factor and apply using an alternate structured approach
CON 243.U06.01.07	Identify the confidentiality of the Government estimate
CON 243.U06.01.08	Differentiate methods for estimating when indefinite quantity contracts or options will be part of the project
<b>CON 243.U07.01</b>	<b>Given an A-E firm's proposal and the Government estimate, develop a strategy, negotiate and award the project.</b>
CON 243.U07.01.01	Explain the purpose of the negotiation in accordance with FAR 15.405 and 15.406
CON 243.U07.01.02	Identify the various specialists that will be needed to develop the Government's position for the negotiation
CON 243.U07.01.03	Differentiate the roles of the various specialists
CON 243.U07.01.04	Identify differences proposed by the architect-engineer firm and estimated by the Government
CON 243.U07.01.05	Explain how the differences could be resolved in the negotiation
CON 243.U07.01.06	Develop an agenda for the negotiation of the project
CON 243.U07.01.07	List the various steps in the negotiation process
CON 243.U07.01.08	Identify the essential elements of a A-E price negotiation memorandum
CON 243.U07.01.09	Analyze when Congress must be given notification of an impending architect-engineer contract award.
<b>CON 243.U08.01</b>	<b>Given a contract which has been awarded for A-E services, devise how the Government maintains quality assurance on the contract.</b>
CON 243.U08.01.01	Explain the elements of quality assurance and its applicability to architect-engineer contracts
CON 243.U08.01.02	Distinguish between the the various quality assurance management systems which could be used for A-E contracts
CON 243.U08.01.03	Compare the responsibility for quality assurance for architect-engineer contracts between the contractor and government personnel
CON 243.U08.01.04	Explain how the A-E firms can provide quality assurance for the government post design and after the construction contract is awarded.
<b>CON 243.U09.01</b>	<b>Given a contract awarded for A-E services, analyze the roles and responsibilities of those charged with the management and administration of the contract.</b>
CON 243.U09.01.01	Identify clauses specific to A-E contracts and explain their purpose and use
CON 243.U09.01.02	Distinguish between contract management and administration and identify who has responsibility for each of these functions
CON 243.U09.01.03	Interpret and explain the responsibilities that can be delegated to the Contracting Officer's Representative or Contracting Officer's Technical Representative
CON 243.U09.01.04	Determine when and how architect-engineer firms are evaluated on their performance
CON 243.U09.01.05	Describe the Architect-Engineer Contract Administration Support System (ACASS), its function, and other performance reporting requirements Federal System
CON 243.U09.01.06	Analyze reasons why an architect-engineer contract may need to be modified then apply the the appropriate clause to the scenario
CON 243.U09.01.07	Determine the effect, if any, of the modification upon the design fee calculation
CON 243.U09.01.08	Recognize the FAR regulations and show the actions and documents necessary for contract close-out