DEFENSE CONTRACT MANAGEMENT AGENCY

Earned-Value Management Specialist Certification

EVMS 203 - Critical Path Analysis (CPA)

		To Be Completed By Applicant	To Be Completed By ESCP Review Board		
	Objective	**Work Description/Justification (Include document citations where appropriate)**	**Objective Achieved?**		**Comments**
			Yes	**No**	
0.0	Applicant has completed an equivalent course taught by a certified CPA Instructor (attach certificate of completion)		☐	☐	
1.0	Define critical path, critical path metrics, and critical path assessment attributes		☐	☐	
1.1	Identify and define ANSI/EIA-748 guidelines applicable to schedule integrity		☐	☐	
1.2	Describe the monthly assessment workflow order of operations		☐	☐	
2.0	Identify three forms of quantitative measures in schedule assessment		☐	☐	
2.1	Define the fundamental characteristics of a milestone and milestone logic		☐	☐	
2.2	Identify missing logic pitfalls and potential impacts to critical path analysis.		☐	☐	

2.3	Provide example of the use of milestone logic through automated scheduling tool		☐	☐	
2.4	Define the fundamental characteristics of summary bars and summary bar logic		☐	☐	
2.5	Provide example of the use of summary bar logic through an automated scheduling tool		☐	☐	
2.6	Explain the difference behaviors of hard- and soft-constraints on CPA.		☐	☐	
2.7	Define the fundamental characteristics of Out of Sequence Conditions		☐	☐	
2.8	Identify potential impacts of Out of Sequence Conditions		☐	☐	
2.9	Identify two forms of qualitative measures in schedule assessment		☐	☐	
3.0	Define the fundamental characteristics of Schedule Margin		☐	☐	
3.1	Identify the potential impacts of improper implemenation of Schdule Margin		☐	☐	
3.2	Define the fundamental characteristics of Government / external task integration		☐	☐	
3.3	Identify potential shortcoming of lack of external integration		☐	☐	

3.4	Identify the fundamental characteristics and responsibility of the Contractor of Subcontractor Integration in the IMS.		☐	☐	
3.5	Identify potential shortcomings of lack of Subcontractor Integration or proper level of Subcontractor visibility in the IMS		☐	☐	
3.6	Define the fundamental characteristics of Schedule Calendars		☐	☐	
3.7	Identify potential impacts of Schedule Calendars on the CP.		☐	☐	
3.8	Define the Critical Path Method, in the calculation of Early Start/Early Finish, Late Start/Late Finish, and Total Float		☐	☐	
4.0	Provide evidence of the use of the CPM to identify the critical path in a program IMS.		☐	☐	
4.1	Define the principles of, and correctly Status to Time Now		☐	☐	
4.2	Define and describe common activity types and their relationships in the analysis package (e.g. fixed/variable work, units, and duration)		☐	☐	
4.3	Describe the use of common configuration settings and when/how they are appropriate		☐	☐	

4.4	Define the fundamental characteristics of Critical Path Length Index, including its uses		☐	☐	
4.5	Calculate CPLI and provide an accurate analysis of the output		☐	☐	
5.0	Define the fundamental characteristics of "Correct and Push" assessment (independent forecast finish date)		☐	☐	
5.1	Describe the analysis use of and program manager's interest in implementation of Correct and Push method		☐	☐	

Applicant Signature	
Supervisor Signature	

Instructions for completing this form:

CHECKLIST ATTACHED?: Complete attached checklist that corresponds to the class in which equivalency is being requested.

To be completed by Applicant: Applicant shall complete Work Description/Justification column of each objective. Applicant shall include examples or documentation where required by the objective (course certificates, transcripts, example Guideline Evaluation Form for EVMS 105, etc.). Applicant shall digitally sign at the bottom of the form.

To be completed by Supervisor: Supervisor shall digitally sign upon concurrence.

To be completed by ESCP Board: ESCP Board shall complete the Objective Achieved and Comments column.