



[Visit Suncam.com for more courses](http://www.suncam.com)

Continuing Education Course #623
Program Management for Engineering Projects

1. Which contains multiple projects and programs?
 - a. Component
 - b. Portfolio
 - c. Activity
 - d. Set
2. Do all projects need to be part of a program?
 - a. Yes
 - b. No
3. Is it helpful to number programs?
 - a. Yes
 - b. No
4. Which role often performs program management duties for projects related to a product?
 - a. Buyer
 - b. Accounts Manager
 - c. Product Manager
 - d. Product Developer
5. What does RACI stand for?
 - a. Responsible, Accountable, Consulted, Informed
 - b. Referred, Answerable, Consulted, Informed
 - c. Responsible, Accountable, Checked, Instructed
6. Who is responsible for creating a Program Management Plan?
 - a. Portfolio Director
 - b. Program Manager
 - c. Project Manager
 - d. Program Sponsor
7. Which is an abbreviation for a Program Management Professional certification by PMI?
 - a. ProgMP
 - b. PrgMP
 - c. PgMP
 - d. PMP
8. Is Leadership a program management principle or performance domain?
 - a. Principle
 - b. Performance domain

c. Neither

9. Is Life Cycle Management a program management principle or performance domain?

- a. Principle
- b. Performance domain
- c. Neither

10. What are the typical phases of a program?

- a. Startup > Delivery > Close-out
- b. Kick-off > Management > Commissioning
- c. Definition > Delivery > Closure

11. Which is typically at the end of the delivery phase?

- a. Operations takes over the new system
- b. Program lessons learned are finalized
- c. The first project is complete

12. Who is often best for gathering lessons learned for a program?

- a. Project manager
- b. Program manager
- c. Portfolio director
- d. Engineers

13. Do program plans and project plans have similar elements?

- a. Yes
- b. No

14. Is regulatory change an internal or external influence?

- a. Internal
- b. External

15. Which is the most detailed?

- a. Roadmap
- b. Milestone list
- c. Baseline schedule

16. In a schedule, what do you call extra time for unknowns?

- a. Contingency
- b. Float
- c. Carryover

17. What is another word for float?

- a. Slack
- b. Leftover
- c. Space

18. What does a percent complete evaluation achieve?

- a. Determine budget remaining
- b. Revises baseline schedule
- c. Determine if ahead or behind schedule

19. Which is a simplified formula for lifecycle cost?

- a. $LCC = \text{Capital Cost} + \text{Commissioning Cost} + \text{Warranty Cost}$
 - b. $LCC = \text{Capital Cost} + \text{Annual O\&M} \times \text{Years}$
 - c. $LCC = \text{Construction Cost} + \text{Operations Cost}$
20. What is the 20-year ROI if annual savings is \$100k and lifecycle cost is \$1M?
- a. 1%
 - b. 50%
 - c. 100%
 - d. 200%
21. What is the payback period if annual savings is \$100k, annual costs are \$20k, and program cost is \$400k?
- a. 5 years
 - b. 10 years
 - c. 15 years
22. Which estimates a program's financial changes per time period?
- a. Budget breakdown
 - b. Earned value
 - c. Cashflow projection
23. What is earned value?
- a. Initial budget value of work completed to date
 - b. Change in projected O&M costs
 - c. Expenses to date
24. What is the cost variance if the earned value is \$15,000 and spent to date is \$18,000?
- a. Under budget by \$3,000
 - b. Over budget by \$3,000
 - c. On budget
25. What is plotted to create an S-curve?
- a. Baseline schedule, actual schedule
 - b. Cashflow projection, actual costs
 - c. Planned value, earned value, actual costs
26. Which is considered a change in scope?
- a. Addressing a quality review comment
 - b. Adding a design feature
 - c. Fixing a mistake
 - d. Finding a new record drawing
27. Which is NOT normally in a risk register?
- a. Change Number
 - b. Impact
 - c. Status
 - d. Mitigation strategy
28. Which factor results in higher scoring in a risk assessment?
- a. Likelihood
 - b. Severity
29. What are traits of transformational leadership?

- a. Command and incentivize
- b. Motivate and empower others
- c. Free agent encouragement

30. When is a Master Plan used to help make project selections?

- a. Risk assessment
- b. Change assessment
- c. CIP planning

[Purchase this course on Suncam.com](http://Suncam.com)