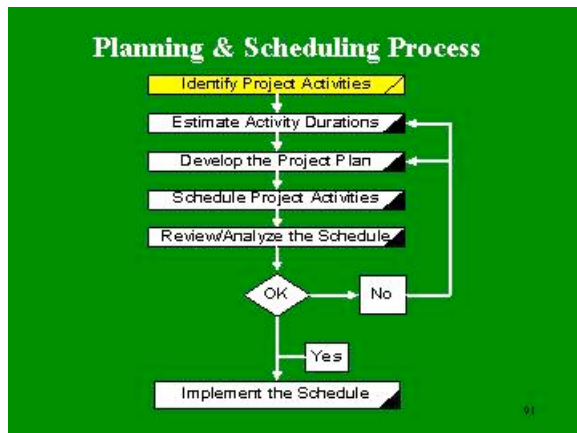


“Analyzing CPM Schedules”

A one-day training session presented by Dan Fauchier

25 IMPORTANT BENEFITS OF ATTENDING THIS PROGRAM

1. The importance of preliminary scheduling in order to avoid delay damage claims.
2. A 33-point checklist for reviewing and analyzing CPM (Critical Path Method) schedules.
3. A 29-point checklist for reviewing and analyzing CPM schedule updates.
4. Why you must be diligent and scrupulous in maintaining daily reports, schedule updates and notification of problems – and how to do it.
5. The state-of-the-art in intra-net and internet-based documentation systems and how they impact the preparation and analysis of delay and disruption claims.
6. Specific ways to avoid claims resulting from inevitable job schedule changes.
7. How to use CPM analysis and “fragnets” to substantiate and evaluate requests for time extensions and to mitigate the impact of discrete delays.
8. How to use CPM analysis to determine if a delayed project can be brought back on schedule.
9. The difference between delay claims and disruption claims and how to evaluate both.
10. The importance of schedule updates in the preparation, presentation and analysis of claims for delay and disruption.



11. The dangers of relying on the “total-time schedule analysis” method.
12. Why contemporaneous Delay Impact Analysis is the preferred method for analyzing mid-project schedule delays and how to do it.
13. The inter-relationship of the three major variables in a CPM schedule: activity, duration and logic.
14. Who owns float?
15. The 11 advantages of utilizing a Time Impact Analysis.
16. A 10-point Time Impact Analysis

- procedure checklist.
17. How to calculate a contractor’s delay damages, including extended field overhead, extended home office overhead and loss of efficiency.
 18. The 8 methods to calculate “loss of efficiency” claims and which method courts and arbitrators view as the “gold standard”.
 19. The logical and legal bases for a contractor’s claims for home office extended overhead and how to calculate it using the Eichleay formulas.
 20. How to calculate the owner’s delay damages including liquidated damages, actual damages and consequential damages.
 21. Updated information on compensable disruption claims.
 22. How to use the CPM schedule to establish the causal relationship of a disruption to the alleged damages.
 23. How to evaluate the impact of delay and disruption on loss of efficiency.
 24. How to handle early completion schedules, including examples from case law.

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25. Why liquidated damages clauses are not penalties, and therefore should not necessitate a corresponding bonus clause.

Includes these CPM Scheduling Basics

1. Case Histories of how simple CPMs have been used with truly beneficial results
2. Brief history of the development of scheduling and CPM
3. Definition of key terms
4. Explanation of the concept of “critical path”
 - a. Includes hands-on exercise to help students thoroughly understand the concepts of precedence, logical connections, forward pass, backward pass, critical path and float – they really “get it” after this simple exercise
5. Elements of good schedules including the importance of updates
6. How to build a CPM schedule
 - a. Identify project activities
 - b. Estimate activity durations (including tips)
 - c. Develop the project plan
 - d. Schedule activities
 - e. Review/analyze the schedule
7. Importance of resource availability
8. Factors affecting productivity
9. The four types of activity relationships
10. Network elements – defined, explained with examples
11. Types of schedule logic and how each works, including examples
12. Logic errors and problems – how to spot them and avoid them
13. How to evaluate the draft schedule (includes a checklist)
14. Importance of regular updating
15. How to update the schedule
16. What are the “actual” start and finish dates
17. Calculating percent complete and estimating remaining duration (several possible methods and which ones are most accurate)
18. How to show changes and delays
19. How to review and evaluate an updated schedule (includes a checklist)
20. Common errors and “games” people play with CPM schedules

