



Forensic Scheduling Professional Program

Total hours: 10 hours lecturing

No. of courses: 4

Course 1: FSP-501 Introduction to Forensic Schedule Analysis

1. Background of Planning

- History
- Planning and programming
- Program updates and revisions
- Progress records and records keeping

2. Understand Construction Delay

- Importance of delay in construction
- Understand importance of program
- Causes of delay
- Types of delay

3. General Principles in Delay Analysis

- CPM Calculations
- Float (ownership and utilisation)
- Sub-network float values
- Delay affects the Critical Path
- Concurrency
- Mitigation and acceleration
- Time at large
- Baseline schedule



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Course 2: FSP-502 Extension of Times and Prolongation Claims

1. Process of EoT
 - Contractual entitlements with events
 - Identify the relevant contract terms
 - EoT assessment and analysis techniques
 - EoT submissions
 - Prospective and retrospective analysis
 - Practical examples

2. Damages and Prolongation costs (time-related costs)
 - Contract requirements
 - Contract completion
 - Calculating prolongation costs
 - Practical examples



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Course 3: FSP-503 Delay Analysis Methods

1. Measuring Delays

- Using bar chart schedules
- Using CPM schedules
- Using scheduling software

2. Methods of delay analysis

- As-Planned vs. As-Built Schedule Analysis
- Impact As-Planned Schedule Analysis
- Collapsed As-Built Schedule Analysis
- Time Impact Analysis
- Windows Analysis Methods

3. Comparison of the delay analysis methods

- Understand ACE protocol
- Selection of a delay analysis method
- Delay analysis using planning techniques

4. Case law analysis of each methods

- Case law: As planned vs. As built
- Case law: Impact as-planned
- Case law: Collapsed as-built
- Case law: Time impact
- Case law: Window analysis



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Course 4: FSP-504 Computer Applications in Forensic Schedule Analysis

1. Primavera P6

- Basics of P6
- Using P6 in planning
- P6 EPPM and P6 PPM
- Project window and toolbars
- Build and manage EPS and OBS in P6

2. Delay analysis in P6

- Overview
- Creating new projects
- Creating WBS
- Adding and managing activities
- Analysing resource and costs
- Live examples to produce delay analysis report

3. Managing baselines and updating reports

- Manage base line
- Updating schedules
- Enterprise data
- Creating reporting schedule
- Earned value analysis
- Live examples to find solution