



Forensic Scheduling Program

Total hours: 10 hours lecturing

No. of courses: 4

Course 1: FSE-601 Forensic Schedule Analysis in Practice

1. Process of forensic analysis

- Purpose of forensic scheduling
- Taxonomy of forensic delay analysis
- Define the scope
- Identify and apply contract terms
- Identify project history
- Complexity
- Records
- Implementation techniques and procedures
- Presentation of the results

2. Challenges

- Acceleration and mitigation
- Concurrent delay
- Ownership of float
- Retrospective vs Prospective Analyse
- Other practical challenges

3. Analysis of construction delay

- Use of CPM techniques
- Cause and effect analysis
- AACE protocols
- Choosing an appropriate technique



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Course 2: FSE-602 Damages Due to Delay

1. Owner's damages

- Liquidated damages
- Actual damages
- Calculation of damages
- Practical examples

2. Contractor's damages

- Recovery of damages
- Calculation of damages
- Practical examples

3. Other damages

- Direct and indirect damages
- Damages due to critical delays
- Damages due to non-critical delays
- Caselaw for each scenario



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Course 3: FSE-603 Implementation

1. Managing Acceleration

- Construction acceleration
- Acceleration of critical work
- Acceleration of non-critical work
- Quantifying time savings
- Quantifying costs of acceleration
- Practical examples

2. Identification and Quantification

- Identification of critical and near critical paths
- Concurrent delays
- Mitigation
- Disruption
- Directed and constructive acceleration

3. Determination

- Contractual responsibilities
- Excusable and compensable delay (ECD)
- Excusable and non-compensable delay (END)
- Non-excusable and non-compensable delay (NND)
- Case law analysis for each method



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Course 4: FSE-604 Techniques and Issues in Delay Analysis

1. Allocation of risks in delay
 - Types of planning risks
 - Analysing scheduling clauses
 - Planning for risk management
 - CPM scheduling practices for risk assessment

2. Delay analysis techniques
 - Case law analysis: As-Planned vs. As-Built Schedule
 - Case law analysis: Impact As-Planned Schedule Analysis
 - Case law analysis: Collapsed As-Built Schedule Analysis
 - Case law analysis: Time Impact Analysis
 - Case law analysis: Windows Analysis Methods

3. Case law analysis
 - Case law analysis: how to apportion delay
 - Case law analysis: identify concurrent delay
 - Case law analysis: identify compensable delay
 - Case law analysis: non-compensable delay