Forensic Delay Analysis and Extension of Time Claims Course

21 – 25 June 2027
Addis Ababa

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Training Center

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Ref: 524_223742 **Date:** 21 – 25 June 2027 **Location:** Addis Ababa **Fees:** 4500 Euro

Overview

Forensic Delay Analysis and Extension of Time Claims Course is a one-week advanced course for construction project managers, planners, contract administrators, claims professionals, consultants, and client representatives who leave with a Delay Analysis and EOT Evidence Dossier. Participants test schedule reliability, select proportionate analysis methods, trace cause and effect, assess concurrency, and connect time entitlement to contemporaneous evidence. Agile Leaders Training Center frames forensic delay analysis as a disciplined link between programme facts and defensible claims.

Who Should Attend

- Teams responsible for maintaining baseline programmes and periodic schedule updates
- Functions that issue notices, preserve records, and assemble extension-of-time submissions
- Personnel who evaluate causation, concurrency, mitigation, and time entitlement
- Advisers who test delay analyses and prepare independent claim assessments
- Client and contractor teams responsible for negotiating schedule-related positions

The course assumes participants can interpret CPM schedules and routine contract records, and it leaves out introductory project planning, general contract administration, and legal advocacy.

Departments and Industries

The course supports departments that investigate schedule impact and manage time-related entitlement.

- Construction, infrastructure, energy, and utilities projects
- Planning, scheduling, and project controls departments
- Contracts, commercial, and claims functions
- Consulting, engineering, and programme management teams
- Legal support, dispute avoidance, and expert advisory practices

Learning Objectives

By the end of this course, participants will be able to:

- Evaluate baseline and update schedules for analysis readiness
- Compare prospective and retrospective delay analysis methods
- Analyze critical-path movement, causation, and concurrency
- Apply record protocols to preserve entitlement evidence
- Build an extension-of-time claim chronology and calculation

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- Evaluate a delay submission for logic, evidence, and consistency

Course Agenda

Day 1: Schedule Evidence and Delay Classification

- Contract Dates, Milestones, and Time Entitlement Map
- Baseline Programme Integrity and CPM Logic Review
- Schedule Update Reliability and Data-Date Controls
- Excusable, Compensable, and Contractor-Risk Delay Matrix
- Contemporaneous Record and Notice Evidence Register

Day 2: Method Selection and Analytical Foundations

- Prospective and Retrospective Analysis Decision Tree
- As-Planned versus As-Built Comparison Method
- Impacted As-Planned and Time Impact Analysis
- Windows Analysis and Contemporaneous Period Review
- Method Fitness, Data Limits, and Assumption Log

Day 3: Causation Concurrency and Mitigation

- Critical Path Movement and Driving Delay Test
- Cause-Effect Chain and Event Chronology
- Concurrent Delay Identification and Period Mapping
- Float Ownership, Pacing, and Near-Critical Activities
- Mitigation, Acceleration, and Recovery Evidence

Day 4: Extension of Time Claim Development

- Notice Compliance and Entitlement Issue Matrix
- Delay Event Particulars and Supporting Record Index
- Extension-of-Time Period Calculation and Narrative
- Time-Related Cost Evidence and Separation Principles
- Claim Consistency, Traceability, and Quality Review

Day 5: Claim Assessment and Defensible Conclusions

- Exercise: Audit a Baseline and Update Sequence
- Exercise: Select and Defend an Analysis Method
- Exercise: Test Causation and Concurrent Delay
- Exercise: Evaluate an Extension-of-Time Submission
- Capstone Exercise: Delay Analysis and EOT Evidence Dossier

Practical Exercises

The course uses suggested activities to connect schedule calculations with contractual evidence.

- Suggested activity: inspect a CPM update for open ends, constraints, progress anomalies, and critical-path credibility.
- Suggested activity: compare analysis methods against available records, timing, and the question being tested.
- Suggested activity: construct a cause-effect chronology linking events, affected work, notices, mitigation, and resulting delay.
- Suggested activity: assemble and peer-review an EOT dossier with calculations, exhibits, assumptions, and conclusions.

FAQs

Who suits this forensic delay analysis course?

It suits professionals who prepare, test, or decide schedule-related claims and assumes working familiarity with CPM programmes, progress updates, and project records.

How does this course differ from general construction claims training?

It concentrates on schedule evidence, analytical method selection, critical-path causation, concurrency, and extension-of-time calculation rather than the wider administration of variations, payment, and disputes.

Which delay analysis methods are examined?

Participants compare as-planned versus as-built, impacted as-planned, time impact, and windows-based approaches, then assess which method is proportionate to the available evidence and assignment question.

How is concurrent delay addressed?

The course maps competing delay events by period, tests whether each affected completion independently, and records assumptions about criticality, float, pacing, and mitigation.

What does the capstone produce?

The capstone produces a Delay Analysis and EOT Evidence Dossier containing schedule checks, method rationale, chronology, causation findings, time calculation, exhibits, and a quality review.

Conclusion

Participants take back a Delay Analysis and EOT Evidence Dossier that links programme integrity, event chronology, method selection, critical-path findings, entitlement records, and review conclusions. The dossier makes assumptions and evidentiary gaps visible while supporting a reasoned extension-of-time submission or assessment.