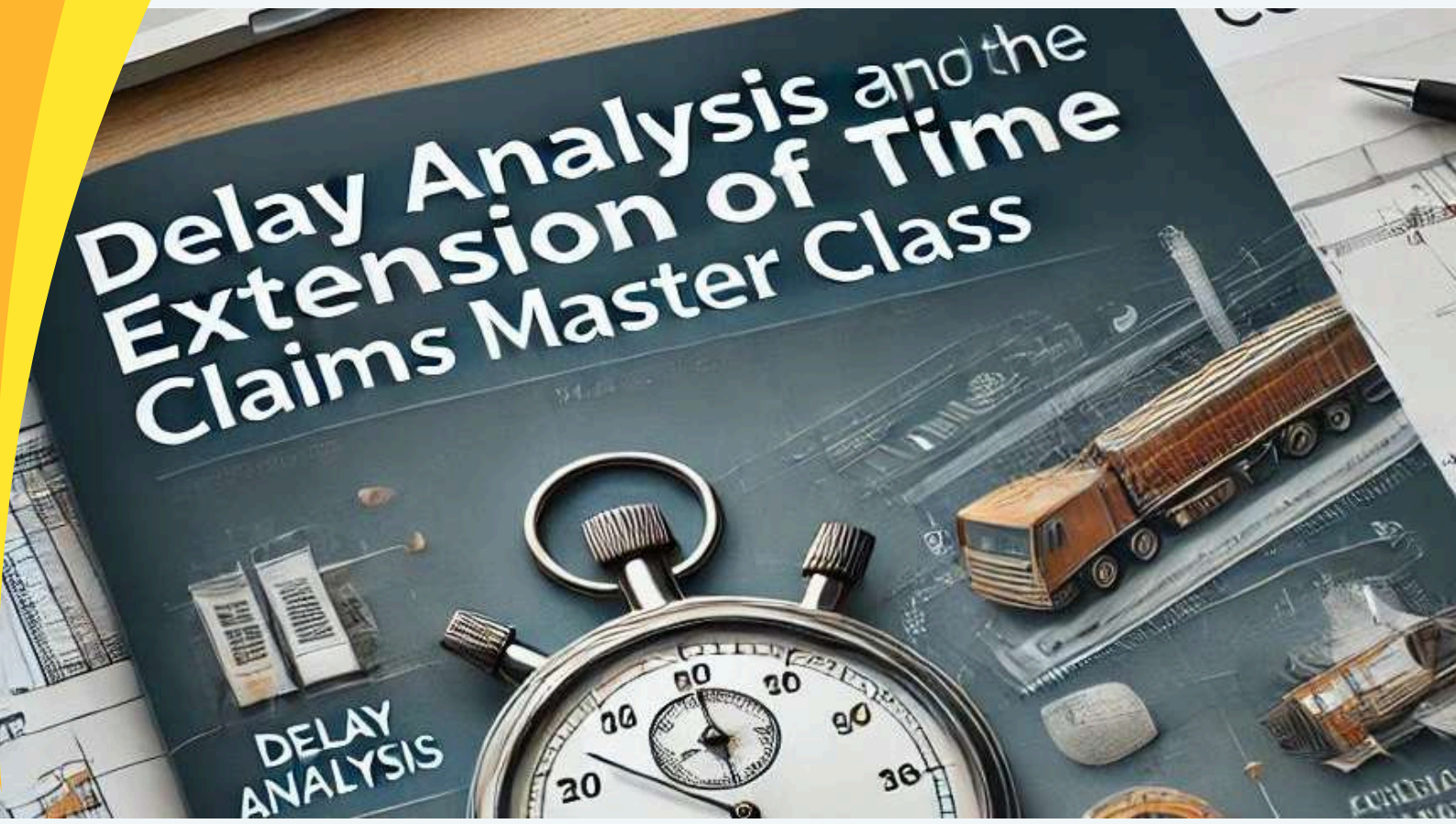
IPEC
PROJECT SYSTEMS



DELAY ANALYSIS AND THE EXTENSION OF TIME (EOT) CLAIMS MASTER CLASS

Understand the key principles of delay analysis and how they impact the successful management and resolution of Extension of Time (EOT) claims in construction projects

2024 AACE APPROVED EDUCATION PROVIDER

HRDCORP CLAIMABLE

COURSE OVERVIEW

This intensive three-day master class provides in-depth knowledge and practical skills for managing Delay Analysis & Extension Of Time (EOT) claims in construction projects. The course is designed for professionals seeking to enhance their expertise in construction claims, scheduling, and contract management.

Comprehensive Three-Day Course: Dive deep into delay analysis concepts and learn to perform delay analysis using advanced scheduling tools like Primavera.

- **360-Degree Coverage**: Gain a complete understanding of the contractual basis, pricing, preparation, review, and recommendation of Extension of Time (EOT) claims.
- **In-Depth Content:** The course includes concepts, methodologies, real-life project implementation case studies, and a capstone EOT claim project for hands-on learning.
- **Globally Recognized Practices:** The curriculum is built on globally accepted practices recommended by professional bodies such as AACE International and the Society of Construction Law (SCL). It is taught by an industry expert with extensive experience in writing and assessing EOT claims for multibillion-dollar projects.

WHY THIS COURSE?

Project delays result in significant additional costs. For owners and end users, these costs may arise from the late realization of project benefits. Project sponsors may face increased financial charges, while contractors incur expenses due to the need for additional resources over an extended period. Regardless of the source of the delays or the affected parties, the underlying truth is that project delays are costly. The complexity of delay issues is further compounded by the fact that while one party may cause the delay, other stakeholders also suffer the consequences.

In business, where financial considerations are paramount, it is crucial to identify the parties responsible for delays and determine the extent of their culpability. When multiple parties contribute to a project delay, another challenge is assessing each party's individual responsibility for the overall delay. Delay analysis and extension of time (EOT) claims are complex issues that can lead to disputes. This is where "Delay Analysis Techniques" become invaluable, helping to resolve these challenges and prevent disputes. This course offers comprehensive coverage of delay analysis, including the contractual basis, pricing, preparation, review, and recommendation of EOT claims.

COURSE OBJECTIVE

The objective of the "CC1010 Delay Analysis and the Extension of Time (EOT) Claims Master Class" is to equip construction professionals with the essential knowledge and practical skills to effectively manage and resolve delay-related claims in construction projects. Participants will gain a comprehensive understanding of scheduling techniques, contract management, and the legal principles underlying construction claims. Through this course, attendees will learn to:

1. **Understand the Critical Path Method (CPM) and Best Practices**: Develop expertise in scheduling and project management, using CPM to identify and mitigate project delays.
2. **Master Construction Contracts and Documentation:** Acquire a solid foundation in construction contract management and document control to support claim preparation and defense.
3. **Analyze and Resolve Construction Claims:** Learn to identify different types of claims, understand the burden of proof, and apply effective strategies for claim resolution and negotiation.
4. **Perform Delay Analysis:** Gain proficiency in various delay analysis methods, including time impact analysis, and learn to apply these techniques using Primavera software.

5. **Prepare and Evaluate EOT Claims:** Develop the skills to prepare, review, and respond to extension of time claims, ensuring they are well-documented, persuasive, and aligned with contractual obligations.
6. **Negotiate and Settle Claims:** Enhance negotiation skills to achieve fair settlements, and explore alternative dispute resolution methods to minimize litigation risks.
7. **Implement Claim Avoidance Strategies:** Proactively manage projects to avoid potential claims, through effective scheduling, documentation, and communication practices.

By the end of the course, participants will be equipped to handle complex delay scenarios, protect project interests, and contribute to successful project delivery through informed and strategic claim management.

Prospective Audience

This course is designed for mid-level to senior professionals involved in managing Extension of Time (EOT) issues in capital projects. Ideal participants include project controls engineers and managers, cost engineers, estimators, quantity surveyors, and project managers. It is suitable for individuals working with contractors, consulting firms, and owners' organizations who seek to enhance their expertise in EOT claims and delay analysis

TRAINER'S PROFILE

ASHUTOSH MAURYA

Ashutosh Maurya has extensive construction project management in India and Middle East. He has been associated with mega multibillion dollars as part of projects core project management team. His total experience spans for more than decade, in this tenure he worked with leading contracting, consultancy and owner organization in India and Middle East.

On the education side Ashutosh Maurya holds Civil Engineering degree from Govt. Engineering College Jabalpur and Master Degree in Construction Management from Indian Institute of Technology (IIT) Delhi. He is certified Project Management

Professional (PMP) from Project Management Institute (PMI) and Certified Cost Professional (CCP), Planning & Scheduling Professional (PSP) and Earned Value Professional (EVM) from Association of Advancement of Cost Engineering (AACE) International.

Ashutosh is a multidisciplinary professional. While he is construction management professional by his education and day job profile, on the other side he proficient IT professional as hobby.

With extensive expertise in preparing and assessing Extension of Time (EOT) claims, Ashutosh has worked on complex, multi-billion-dollar projects. His deep knowledge and practical experience make him a valuable resource for those seeking to master delay analysis and claims management.

COURSE OUTLINE

Day 1

Module 1: Course Introduction

1.1 Purpose of the Course
Understanding the importance and benefits of mastering delay analysis and EOT claims.

1.2 Meet the Course Development Team
Introduction to the experts behind the course content.

1.3 Course Creation Process
Overview of the methodologies and resources used to develop the course.

1.4 Navigating the Course
Guidance on how to effectively engage with the course materials.

Module 2: Fundamental Concepts

2.1 Scheduling and Critical Path Method

2.1.1 Critical Path Method (CPM) Refresher
Revisiting key CPM concepts.

2.1.2 Best Practices in Scheduling
Techniques for optimal scheduling.

2.1.3 Uses of As-Built Schedules
Practical applications and benefits.

Day 1

2.1.4 Understanding Schedule Updates
Concepts and strategies for maintaining updated schedules.

2.2 Construction Contracts Management

2.2.1 Basics of Construction Contracts
Core principles of contract management.

2.2.2 Legal Principles in Contract Law
Key legal concepts relevant to construction contracts.

2.3 Principles of Project Documentation

2.3.1 Types of Records
Various documents essential for project management.

2.3.2 Best Practices in Document Management
Strategies for efficient documentation.

Day 2

Module 3: Construction Claims

3.1 Understanding Claims
3.1.1 Contractor Claims
Overview and analysis of claims from the contractor’s perspective.

3.1.2 Owner Claims
Insight into claims initiated by project owners.

3.2 Burden of Proof
Establishing proof for claims and counterclaims.

3.3 Understanding Damages
3.3.1 Contractor's Damages
Types and assessment of damages incurred by contractors.

3.3.2 Owner's Damages
Types and assessment of damages incurred by owners.

3.4 Claim Notifications and Time Requirements
Legal and practical aspects of timely claim notifications.

3.5 Claims and Project Delivery Methods
How different project delivery methods affect claims management.

Day 2

Module 4: Delays and Delay Analysis Methods

4.1 Types of Delays
Classification and characteristics of construction delays.

4.2 Causes of Delay
Common reasons and contributing factors for project delays.

4.3 Delay Analysis Methods
4.3.1 Observational Method
Analyzing delays based on historical data.

4.3.2 Modeled Method
Using models to predict and analyze delays.

4.3.3 Selecting the Right Method
Criteria for choosing the appropriate analysis method.

4.4 Time Impact Analysis with Primavera P6
Techniques for conducting time impact analysis using Primavera software.

Day 2

Module 5: Pricing Construction Claims and Change Orders

5.1 Types of Pricing

5.1.1 Forward Pricing

Pre-emptive cost estimation techniques.

5.1.2 Post Pricing

Retrospective cost analysis.

5.2 Pricing Philosophy: Request for Equitable Adjustment

Approaches to fair pricing in construction claims.

5.3 Pricing Components

5.3.1 General Conditions and Preliminary Costs

Assessing foundational project costs.

5.3.2 Equipment Costs

Evaluating and managing costs related to equipment.

5.3.3 Unabsorbed Home Office Overhead

Calculating overheads not covered by project work.

Day 3

Module 6: Advanced Issues in Construction Delay Claims

6.1 Float and Ownership
Understanding and managing project float.

6.2 Concurrency
Identifying and addressing concurrent delays.

6.3 Acceleration and Mitigation
Strategies to accelerate work and mitigate delays.

6.4 Schedule Approval and Acceptance
Processes for securing approval and acceptance of project schedules.

6.5 Time at Large
Legal implications and management of time at large scenarios.

Module 7: Preparing, Reviewing, and Responding to EOT Claims

7.1 Elements of a Successful Claim: CEES Principle
Key components for effective EOT claims.

7.2 Crafting an Extension of Time Claim
7.2.1 Writing Style
Best practices for clear and persuasive writing.

7.2.2 Presentation Key Points
Essential elements for claim presentation.

Day 3

7.2.3 User-Friendly Documentation
Techniques for enhancing document accessibility.

7.3 Responding to Claims
Strategies for effectively addressing and negotiating claims.

Module 8: EOT Claim Settlement and Avoidance

8.1 Settlement Options: Negotiation, Adjudication, Mediation, Conciliation, Expert Determination
Various methods for resolving claims.

8.2 Claim Negotiation
8.2.1 Contract Negotiation
Tactics for negotiating contract terms.

8.2.2 Determining Your Bottom Line
Assessing acceptable outcomes.

8.2.3 Preparation for Negotiations
Key steps for successful negotiations.

8.2.4 Documenting Agreements
Ensuring clear records of negotiated settlements.

8.3 Claim Avoidance
8.3.1 Claim Avoidance Program
Proactive measures to prevent claims.

8.3.2 Schedule Claims Protection Methods
Techniques for safeguarding against scheduling-related claims.

POST-CLASSROOM/ONLINE COMPONENT

Module 9: Capstone Project

Participants will receive a comprehensive "Claim for Extension of Time and Recovery of Prolongation Costs" template along with a problem statement. Participants are required to submit a claim for review and feedback after completing the course.

WHO SHOULD ATTEND?

PROJECT PLANNERS

PROJECT CONTROL PROFESSIONAL

COST CONTROL ENGINEERS

PROJECT MANAGERS

PROJECT CONTROL MANAGER

ENGINEERING & CONSTRUCTION MANAGER
FINANCIAL MANAGERS

This course is recommended for professionals who are involved in major oil & gas, infrastructure engineering & construction projects.

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