



المركز العالمي للتدريب والتطوير
International Centre For Training & Development



PMP020

Advanced Project Cost Management in P6



INTERNATIONAL ASSOCIATION FOR
HEALTH AND OCCUPATIONAL
SAFETY AND THE ENVIRONMENT



Course Introduction:

This course provides in-depth Project Management Training in Primavera's Advanced, The course covers advanced subjects such as earned value analysis; updating baselines; and top-down budgeting. Hands-on workshops enable students to apply skills learned throughout the course.

The pert master tool enables Monte Carlo Risk Analysis to be applied to scheduling tools to create dramatically more realistic planning and more rational decision making, while enabling targeted management of high risk tasks. It runs in conjunction with many scheduling tool. This course is aimed at those who wish to gain an in-depth understanding of the scheduling and risk analysis capabilities of pert master project risk and risk expert. The course provides "Hands-on" exercises for Advanced Project Scheduling, Quantitative and Qualitative Risk Modeling with Pert master.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- ✓ Modify Projects Using Advanced Functionality
- ✓ Analyze Projects Using Earned Value
- ✓ Effectively Manage Risks And Issues
- ✓ View Primavera Data In Other Applications

Who Should Attend?

This course is intended for

- Executives and senior management staff
- Project managers
- Contracts Managers
- Project documentation
- Planners
- Cost Engineers
- Controllers
- Support Staffs

Course Outline:

Day 1:

- Creating A Project Using Project Architect
- User-Defined Fields And Global Change
- Assigning Codes
- Portfolios
- Advanced Scheduling
- Monitor Thresholds And Issues
- Importing And Exporting Data
- Updating Baselines

Day 2:

- Duration Types
- Calculating Percent Complete
- Earned Value Analysis
- Activity Usage Profile And Spreadsheet
- Top - Down Budgeting
- Top - Down Estimating
- Risk Documentation
- Tracking Layouts

Day 3:

- Schedule Risk Analysis Theory
- Using Three-Point Estimates
- Using Alternate Distributions
- Running A Quantitative Risk Analysis
- Understanding Risk Analysis Results
- Probabilistic Events
- Criticality, Sensitivity And Cruciality
- Producing P-Schedules
- Interpreting The Results
- Integrated Cost And Time Risk Analysis
- Integration With MS Project and/or Primavera
- An Introduction To The Risk Register

Day 4:

- Templated Quick Risk
- Advanced Probabilistic Event Modeling And Branching
- Measuring And Defining Correlation
- Probabilistic Cash Flow
- Iterations And Convergence
- Advanced Risk Register:
- Advanced Risk Assessment (Qualitative & Quantitative)
- Targets & Mitigation
- Audit Trail
- Series Impacts
- Cost/Benefit Analysis
- Importing/Exporting
- Writing Simple Macros:
- Report And Integration Macros
- Conditional Branching
- Using Hammocks For Management Costs, Penalties And Revenues

Day 5:

- Earn 15 Pcus For Attending The Third Day.
- Use Case Studies To Work Through The Risk Analysis Steps.
- Have The Option Of Bringing Your Own Information For Real Life Examples.
- Practice Using Pert master with The Help of a Trainer.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play

- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per course location. This rate includes participant's manual, and-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session