

Cost Control & Project Scheduling

Course Overview

Planning a project schedule and budget to establish baselines can be demanding. However, monitoring and controlling these established baselines can be daunting, at times. In this course you will learn to distinguish between monitoring and controlling activities and best practices to determine a project status and actions, and the actions needed to maintain or reestablish a baseline.

Chapter 1 - Monitoring and Controlling Fundamentals

41m

Instructor Introduction

Schedule and Cost Control Introduction (1 of 6)

Schedule and Cost Control Introduction (2 of 6)

Schedule and Cost Control Introduction (3 of 6)

Schedule and Cost Control Introduction (4 of 6)

Schedule and Cost Control Introduction (5 of 6)

Schedule and Cost Control Introduction (6 of 6)

Monitoring and Controlling Fundamentals

Objectives

Topic A: Monitoring Fundamentals

Concept: Data, Information, Knowledge, Wisdom Model

Definition: Monitor

Monitor: Collect Project Performance Data

Concept: Performance Data

Monitor: Produce Performance Measures

Concept: Performance Information

Monitor: Generate Project Information

Concept: Performance Reports

Self-Reflection – Disseminate Project Reports

Monitor: Disseminate Project Reports (1 of 2)

Disseminate Project Reports (2 of 2)

Concept: Wisdom

Topic B: Controlling Fundamentals

Definition: Control

Control: Comparing Actuals to Planned

Control: Analyzing Variances

Control: Assessing Trends

Control: Evaluating Possible Alternatives

Self-Reflection – Recommend Appropriate Actions

Recommending Appropriate Actions (1 of 2)

Recommending Appropriate Actions (2 of 2)

Topic C: Pairing Monitoring and Controlling

Monitoring and Controlling (1 of 2)

Monitoring and Controlling (2 of 2)

Monitoring and Controlling Focus (1 of 2)
Monitoring and Controlling Focus (2 of 2)
Concept: Baselines
Exercise 1.1 Distinguish Monitoring from Controlling
Exercise 1.1 Distinguish Monitoring from Controlling Worksheet
Exercise 1.1 Distinguish Monitoring from Controlling Debrief (1 of 2)
Exercise 1.1 Distinguish Monitoring from Controlling Debrief (2 of 2)
Chapter 1 Review

Chapter 2 - Schedule Control

55m

Schedule Control
Objectives
Topic A: The Basics of Project Metrics
Concept: Project Metrics
Concept: Metric Characteristics (1 of 2)
Concept: Metric Characteristics (2 of 2)
Concept: Types of Metrics
Exercise 2.1 Differentiate Between CSFs and KPIs
Exercise 2.1 Differentiate Between CSFs and KPIs Worksheet
Exercise 2.1 Differentiate Between CSFs and KPIs Debrief (1 of 2)
Exercise 2.1 Differentiate Between CSFs and KPIs Debrief (2 of 2)
Topic B: Schedule-related KPIs
Concept: Key Performance Indicator (1 of 2)
Concept: Key Performance Indicator (2 of 2)
Self-Reflection – Schedule-related KPIs
Concept: Schedule-related KPIs
Schedule-related KPIs: Percent of Work Packages Adhering to Schedule (1 of 2)
Schedule-related KPIs: Percent of Work Packages Adhering to Schedule (2 of 2)
Schedule-related KPIs: Time to Achieve Outcome Value
Schedule-related KPIs: Number of Schedule Baseline Changes
Schedule-related KPIs: Schedule Variance (SV)
Schedule-related KPIs: Schedule Variance Percentage (SV%)
Schedule-related KPIs: Schedule Performance Index (SPI)
Self-Reflection – Schedule-related KPIs Debrief
Topic C: Schedule Control via Key Performance Indicators (KPIs)
Schedule Control - A Case Study (1 of 2)
Schedule Control - A Case Study (2 of 2)
Definition: Control Schedule
Concept: Project Management Methodology (1 of 4)
Concept: Project Management Methodology (2 of 4)
Concept: Project Management Methodology (3 of 4)
Concept: Project Management Methodology (4 of 4)
Project Management Performance Baseline Project Schedule KPIs
Exercise 2.2 Determining Schedule KPIs Using EVM
Exercise 2.2 Determining Schedule KPIs Using EVM Data Sheet (1 of 2)
Exercise 2.2 Determining Schedule KPIs Using EVM Data Sheet (2 of 2)
Exercise 2.2 Determining Schedule KPIs Using EVM Worksheet
Exercise 2.2 Determining Schedule KPIs Using EVM Debrief (1 of 3)
Exercise 2.2 Determining Schedule KPIs Using EVM Debrief (2 of 3)
Exercise 2.2 Determining Schedule KPIs Using EVM Debrief (3 of 3)

Exercise 2.3 Determining Schedule KPIs Using EVM
Exercise 2.3 Determining Schedule KPIs Using EVM Data Sheet
Exercise 2.3 Determining Schedule KPIs Using EVM Worksheet
Exercise 2.3 Determining Schedule KPIs Using EVM Debrief (1 of 3)
Exercise 2.3 Determining Schedule KPIs Using EVM Debrief (2 of 3)
Exercise 2.3 Determining Schedule KPIs Using EVM Debrief (3 of 3)
Exercise 2.4 Determining Schedule KPIs Using EVM
Exercise 2.4 Determining Schedule KPIs Using EVM Data Sheet
Exercise 2.4 Determining Schedule KPIs Using EVM Worksheet
Exercise 2.4 Determining Schedule KPIs Using EVM Debrief (1 of 3)
Exercise 2.4 Determining Schedule KPIs Using EVM Debrief (2 of 3)
Exercise 2.4 Determining Schedule KPIs Using EVM Debrief (3 of 3)
Chapter 2 Review

Chapter 3 - Cost Control

1h 6m

Cost Control

Objectives

Topic A: Cost, Cost Account Codes, and Cost Centers

Self-Reflection – Cost

Definition: Cost

Concept: Cost Accounting

Concept: Cost Account Codes (1 of 2)

Concept: Cost Account Codes (2 of 2)

Concept: Cost Centers (1 of 3)

Concept: Cost Centers (2 of 3)

Concept: Cost Centers (3 of 3)

Concept: Cost Data

Self-Reflection – Cost Debrief

Topic B: Cost-related KPIs

Key Performance Indicator Revisited (1 of 2)

Key Performance Indicator Revisited (2 of 2)

Self-Reflection – Cost-related KPIs

Concept: Cost-related KPIs

Cost-related KPIs: Percent of Work Packages Adhering to Budget (1 of 2)

Cost-related KPIs: Percent of Work Packages Adhering to Budget (2 of 2)

Cost-related KPIs: Cost to Achieve Outcome Value

Cost-related KPIs: Number of Cost Baseline Changes

Cost-related KPIs: Cost Variance (CV)

Cost-related KPIs: Cost Variance Percentage (CV%)

Cost-related KPIs: Cost Performance Index (CPI)

Self-Reflection – Cost-related KPIs Debrief

Topic C: Cost Control via Key Performance Indicators (KPIs)

Cost Control - A Case Study Update 2

Definition: Control Costs

Project Management Methodology Revisited (1 of 2)

Project Management Methodology Revisited (2 of 2)

Project Management Methodology Update

Project Management Performance Baseline Project Cost KPIs

Exercise 3.1 Determining Cost KPIs Using EVM

Exercise 3.1 Determining Cost KPIs Using EVM Data Sheet (1 of 2)

Exercise 3.1 Determining Cost KPIs Using EVM Data Sheet (2 of 2)
Exercise 3.1 Determining Cost KPIs Using EVM Worksheet
Exercise 3.1 Determining Cost KPIs Using EVM Debrief (1 of 3)
Exercise 3.1 Determining Cost KPIs Using EVM Debrief (2 of 3)
Exercise 3.1 Determining Cost KPIs Using EVM Debrief (3 of 3)
Exercise 3.2 Determining Cost KPIs Using EVM
Exercise 3.2 Determining Cost KPIs Using EVM Data Sheet
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Exercise 3.3 Determining Cost KPIs Using EVM
Exercise 3.3 Determining Cost KPIs Using EVM Data Sheet
Exercise 3.3 Determining Cost KPIs Using EVM Worksheet
Exercise 3.3 Determining Cost KPIs Using EVM Debrief (1 of 3)
Exercise 3.3 Determining Cost KPIs Using EVM Debrief (2 of 3)
Exercise 3.3 Determining Cost KPIs Using EVM Debrief (3 of 3)
Chapter 3 Review
Schedule and Cost Control Summary
Course Overview
Concept: Data, Information, Knowledge, Wisdom Model
Definition: Monitor
Definition: Control
Monitoring and Controlling
Concept: Project Management Methodology
Example: Schedule-related Earned Value Management Formulas
Example: Cost-related Earned Value Management Formulas
Concept: Metric Characteristics
Concept: Project Metrics
Concept: Types of Metrics
Concept: Schedule-related KPIs
Concept: Cost-related KPIs
Monitoring and Controlling Focus

Total Duration: 2h 42m