

## Project Management, Part 7 of 8: Monitoring a Project [Deprecated/Replaced]

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**Meet the expert:** Sandy Haydon is a certified project manager in software development and a project management instructor. She has 40 years of experience with IBM as a software developer, manager, and project manager responsible for leading teams located worldwide. Sandy holds a BA in Mathematics and an MA in Management and is a certified Project Management Professional (PMP) and an IBM Senior Certified Project Manager.

**Prerequisites:** This course is designed for users preparing for the project management certification. It is recommended before taking the certification that you also use the Project Management Book of Knowledge (PMBOK) Guide, Fifth Edition to study with. You should have already viewed Project Management: Executing a Project.

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**Course description:** We're now in the execution portion of our project; execution is the third of the five pm process groups defined in the PMBOK. As project work accelerates, your focus will advance from execution to monitoring and controlling project work, scope, schedule, and cost, which is a key element in your overall goal of keeping a project on track. In this course, we will focus on the Monitoring and Controlling Process Group.

### Course outline:

#### Monitor/Control Project Work

- Introduction
- Control Project Work Process
- Control Project Work Focus
- Control Project Work Inputs
- Tools and Techniques
- Control Project Work Outputs
- Guidelines
- Activity: Control Project
- Summary

#### Integrated Change Control

- Introduction
- Integrated Change Control
- Causes for Project Change
- Change Control Systems
- Configuration Management
- Process Control Structures
- Change Control Process
- Change Control Inputs
- Tools and Techniques
- Change Control Outputs
- Guidelines
- Activity: Change Control
- Summary

#### Validate Scope Process

- Introduction
- The Validate Scope Process
- Validate Scope Inputs
- Tools and Techniques
- Inspections

- Validate Scope Outputs
- Guidelines
- Activity: Validate Scope
- Summary

#### Control Scope Process

- Introduction
- The Control Scope Process
- Control Scope Inputs
- Tools and Techniques
- Control Scope Outputs
- Guidelines
- Activity: Control Scope
- Summary

#### Control Schedule Process

- Introduction
- The Control Schedule Process
- Control Schedule Inputs
- Tools and Techniques
- Performance Reviews
- Control Schedule Outputs
- Earned Value Method
- EVM Variables
- Planned Value (PV)
- Earned Value (EV)
- EV Example
- Actual Cost (AC)
- EVM Measures
- Measure Schedule Performance
- Gantt Chart
- Schedule Variance (SV)

- Schedule Performance Index
- Guidelines
- Activity: Control Schedule
- Summary

#### Control Costs Process

- Introduction
- The Control Costs Process
- Control Costs Inputs
- Tools and Techniques
- Cost Variance (CV)
- Performance Measurement
- Budget at Completion (BAC)
- Estimate to Complete
- Forecasting
- To Complete Performance Index
- Control Costs Outputs
- Guidelines
- Activity: Control Project Cost
- Summary