Project Planning & Control

Lesson 7
Project Monitoring & Control –
Typical Project Time Monitoring Process, Levels and Frequency of updates

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LECTURE OUTLINE

1. Need for Project Monitoring & Control

2. Monitoring and Control Processes (BIS 15883)

3. Schedule Update Frequency & Levels

4. Work Progress Measurement – Determining % Complete at Activity Level

5. Examples
“In preparing for battle I have always found that plans are useless, but planning is indispensable.”

-Dwight D. Eisenhower
**Objective**
Travel from IIT Madras to Chennai Central Station within 40 minutes.

**Plan**
Travel:
Mode: Auto/Taxi/Car
Route: Google map - shown
Planned Duration: 31 min.

**TRAVEL STARTS**

Will you monitor progress?
Why? How? When?

What are potential disruptions to the plan?

What is your control strategy?

If no GPS/location update was available?
Typical Project Time Monitoring Process

“BASELINE PLAN”

The initial approved plan to which deviations will be compared as the project proceeds.
Planning & Monitoring Levels

Master Plan

- Major Milestones -> Quarters
- Key resources
- Activity Completion -> Monthly Quantity Targets
- Overall Resource Requirements
- Activity Completion -> Daily/Weekly Quantity/Location Targets
- Detailed Resource Requirements

Macro Plan

- Monthly Reports & EVM Parameters.
- Weekly Reports & Activity Targets
- Productivity Trends

Micro Plan

- Daily Progress Reports
- Productivity Measurement & Improvement

Execution
Frequency of Macro Schedule Update

• Based on Project Duration and Criticality of Project.
  Weekly/ Bi-Weekly/Monthly is Typical

• Required level at which monitoring and control can be effectively done.
  Too frequent - High overhead- no value
  Vs
  Infrequent - inadequate information to monitor and control

• Billing cycle
  Schedule updates only for bill generation!!
  Not for planning & monitoring!!

• Contractual Requirements – Delay analysis
  Only for finding delay responsibility!!