

FAQ's

1. What are the details required for project updating?

Following data required for updating,

- Original network
- Original network calculation chart
- Stage at which the updating is to be done
- Execution position of the project
- New information and knowledge which will affect the duration time of the activities to be performed.

2. List the steps in updating and the updating cycle.

Following are the steps in the process of updating,

- Describe
- Record
- Summarize
- Place
- Perform

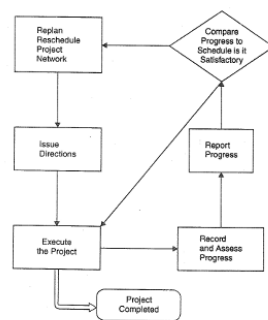


FIG. 10.1. UPDATING CYCLE.

3. What are the techniques of resource management?

Two techniques for resource management

- Resource loading and
- Resource levelling

4. What are the types of constraints in resource leveling?

TIME-LIMITED RESOURCE CONSIDERATIONS

In this case emphasis will be placed on completing the project within a specified time.

This time will usually have been determined by network analysis. Adjustments in the timing of any activity, and the resources required at a given time, must be undertaken within the float (slack) available. Obviously there can be no adjustment of activities which are on the critical path.

RESOURCE-LIMITED RESOURCE CONSIDERATIONS

In this case the project must be completed with the resources available even if this means extending the project duration. If the total resource demand exceeds the resource availability at any time then some of the activities must be delayed until there is sufficient resource availability.

5. Explain the steps in cost optimization.

Following are the steps to be followed in cost optimization,

- Establish – calculate time and direct cost
- Determine – cost slope of each activity
- Compute – direct cost for network with normal duration of activities
- Crash – crash critical activities starting with activity having lowest cost slope.
- Continue – crash activities in ascending order of cost slope.
- Crash – by now few non critical activities must have become critical activities crash them.
- Continue – until no further crashing is possible.
- Find – total cost of the project at every stage of adding indirect and direct cost

- Plot – total cost duration curve
- Pick up – optimum duration corresponding to which least total project cost is obtained.