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# The systems approach to planning

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Revision 1.1.0




 Systems Approach to Planning 1



## Objectives

1. To describe the systems approach to planning
2. To show
  1. how it differs from the traditional approach
  2. how 'prevention' is built into the approach
  3. that the benefits of prevention can be demonstrated
3. Provide you with three useful planning tools

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## Framing the problem\*

- The undesirable situation (in general)
  - Planning is not performed very well resulting in plans that are incomplete and unusable
- The FCFDS
  - Plans are complete, comprehensive and useable
- The problem
  - Figure out a way to realize the FCFDS and teach it
  - Not just create a new template
- The solution
  - The systems approach to planning

\* Template from Video 02 "The myths and reality of problems and problem-solving"

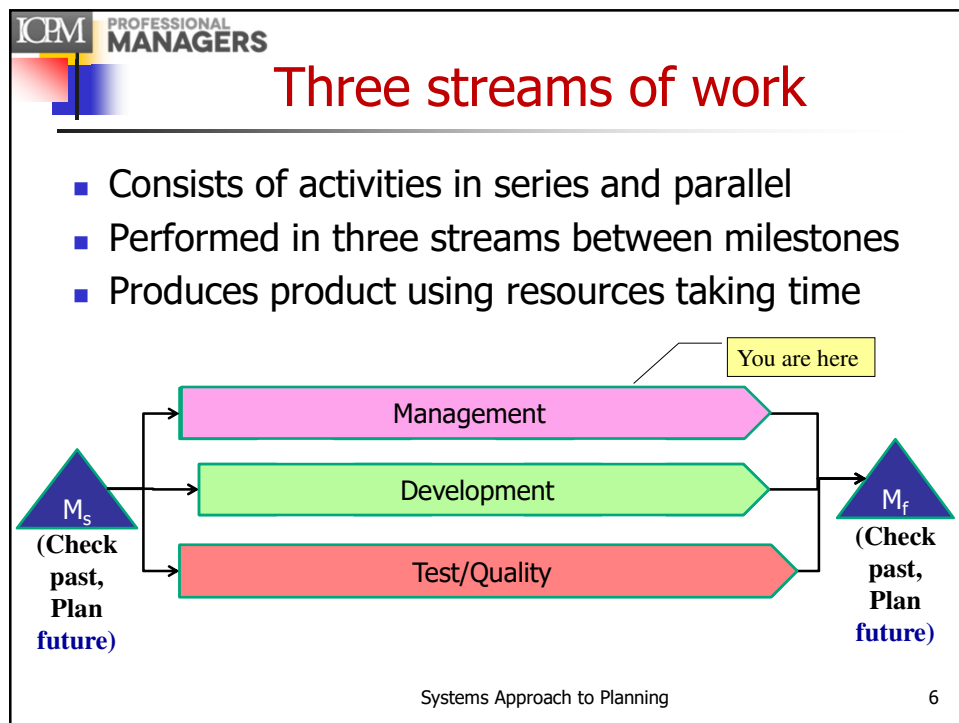
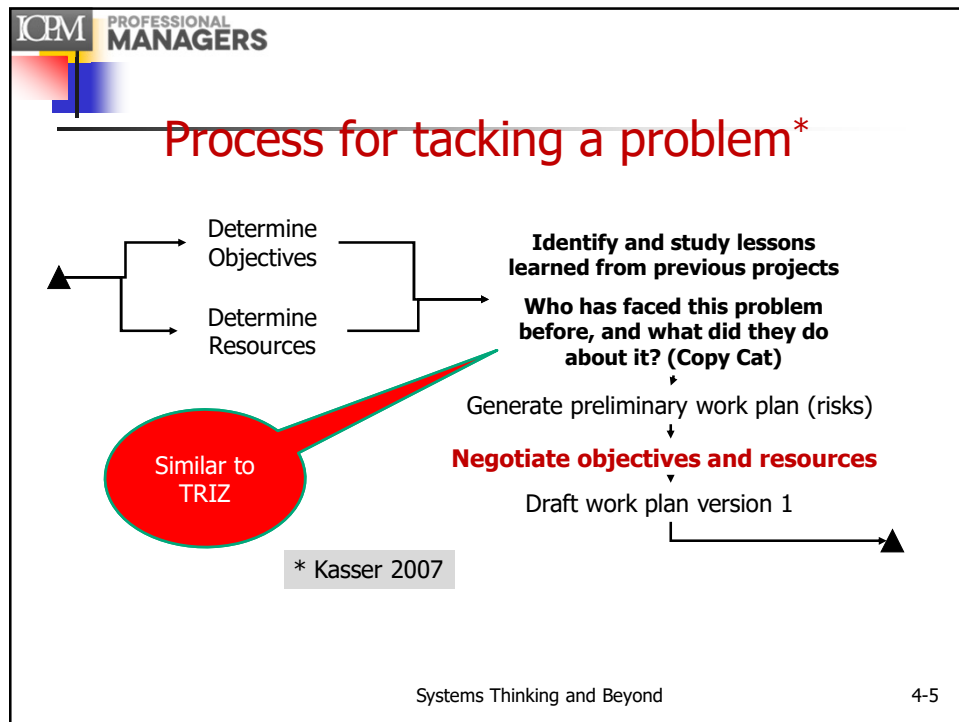
Systems Approach to Planning 3

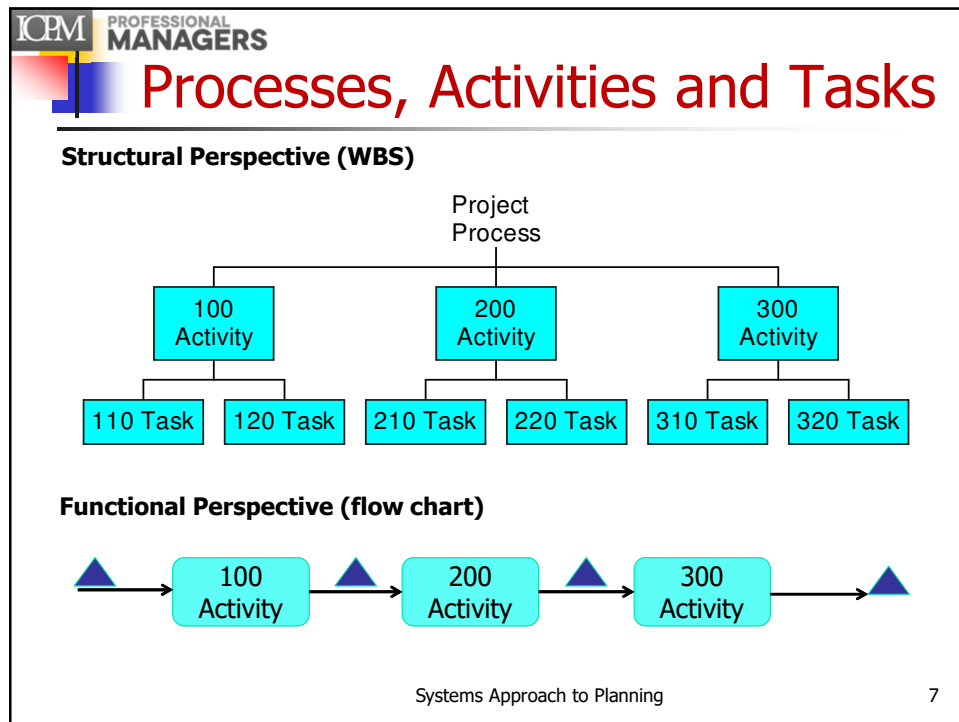


## Topics

- Three streams of work
- Working back from the answer
- Product-based planning
- Work packages
- PAM Charts
- PAM Networks
- Number in threes
- Prevention – risk management

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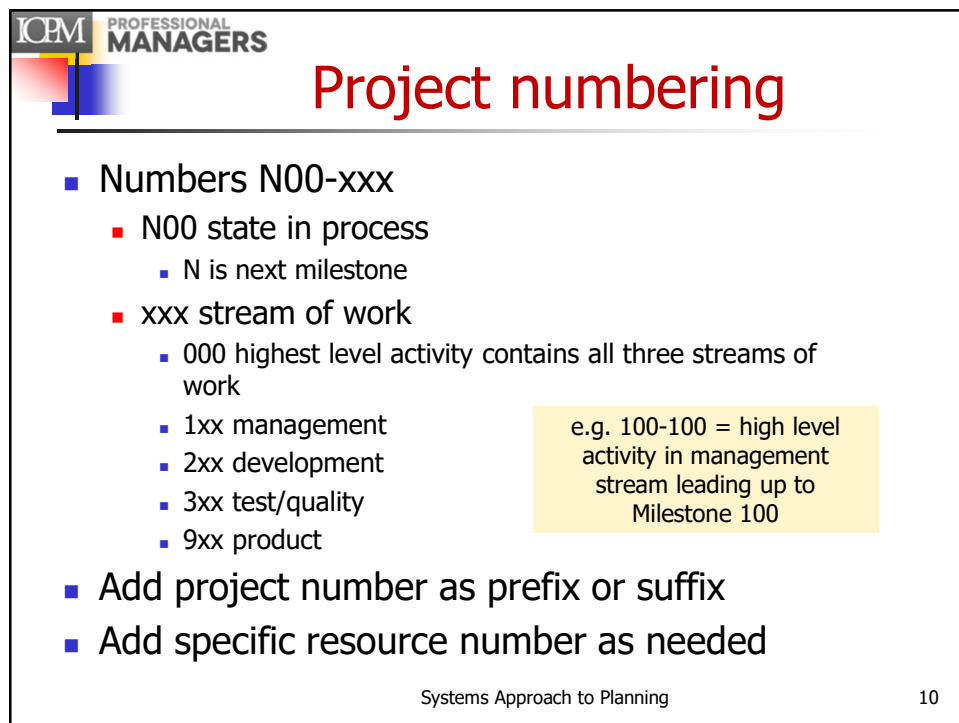
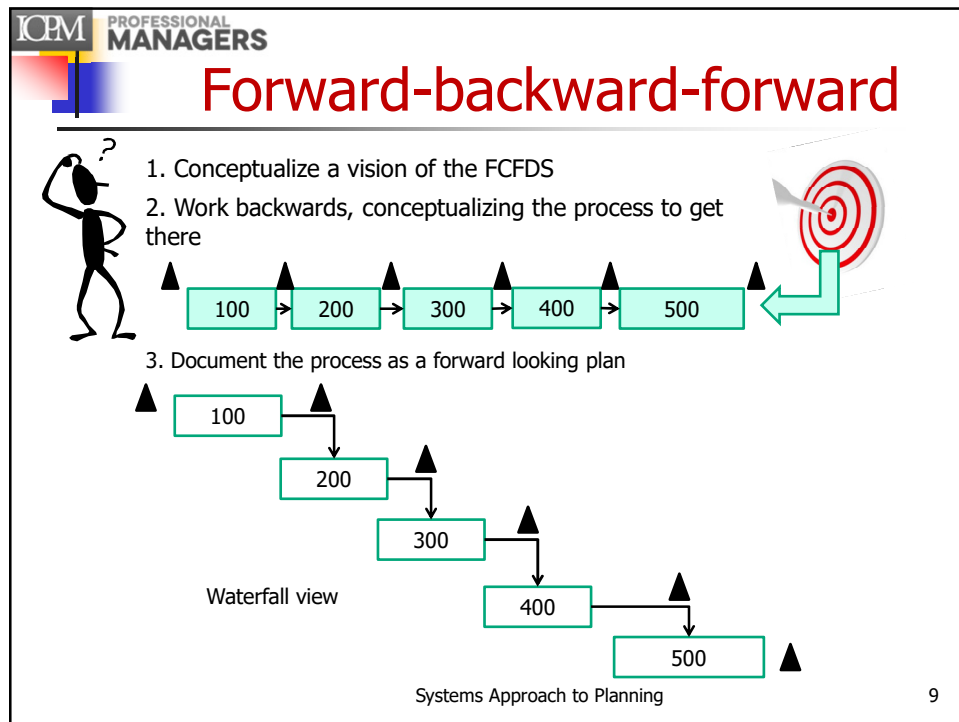
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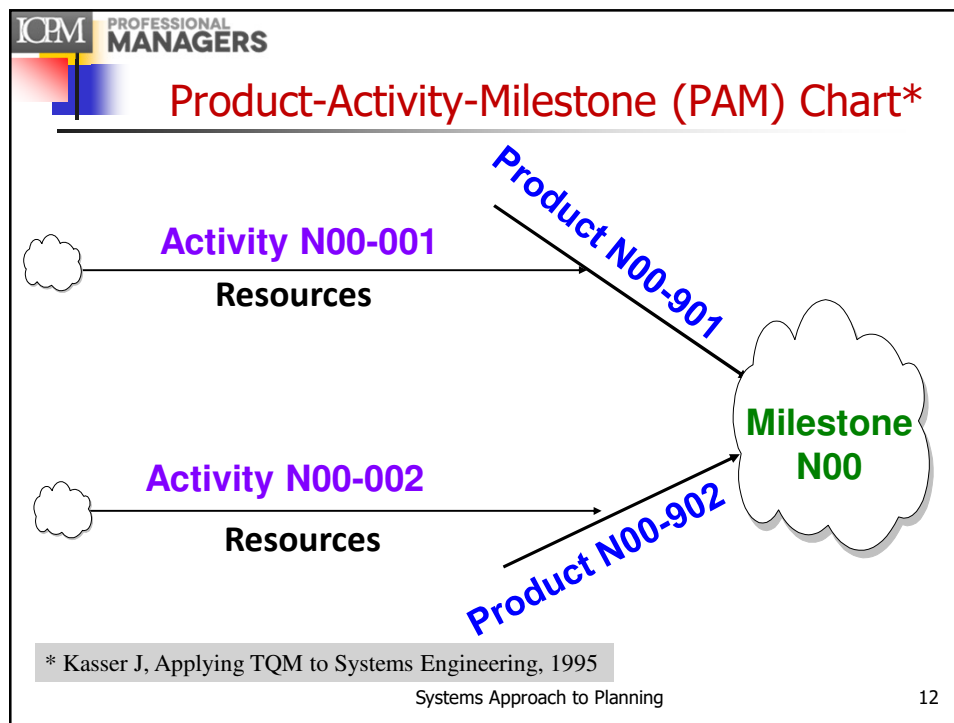
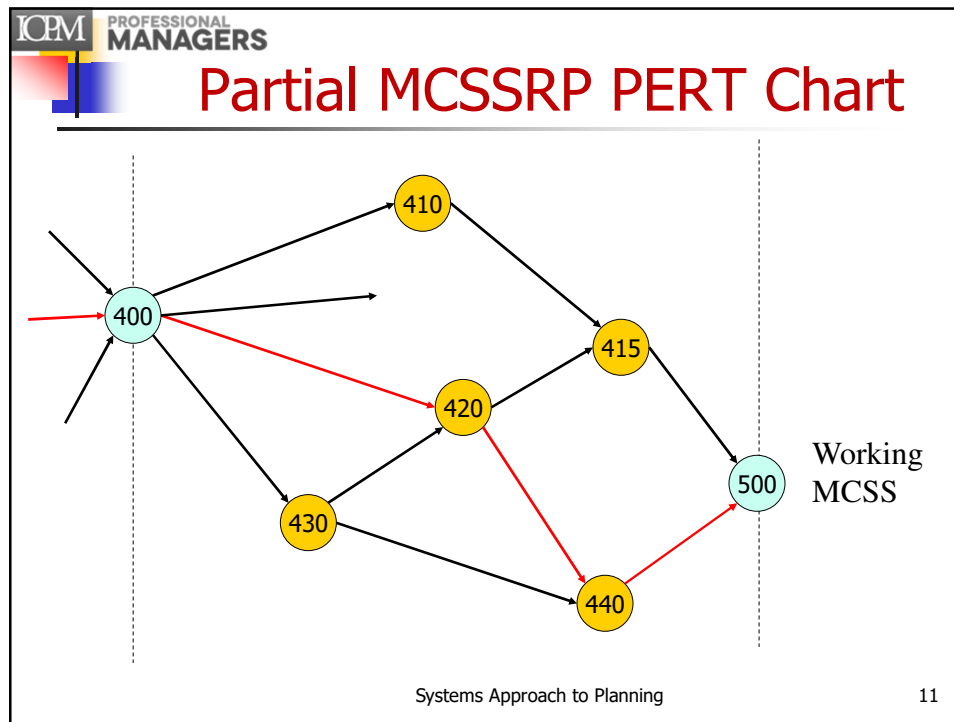
## Work Package (WP)

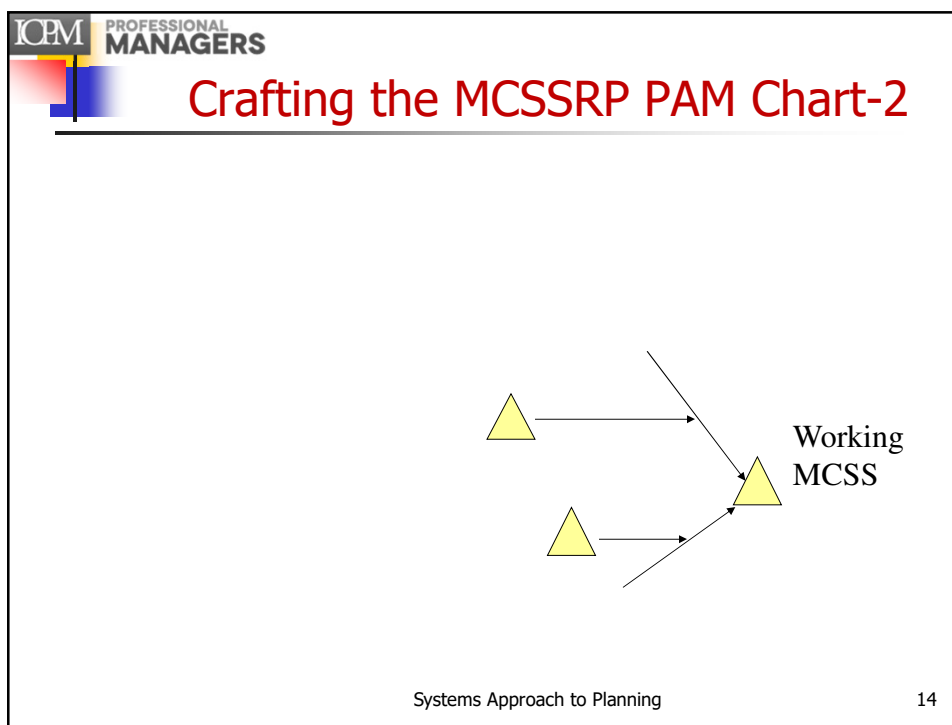
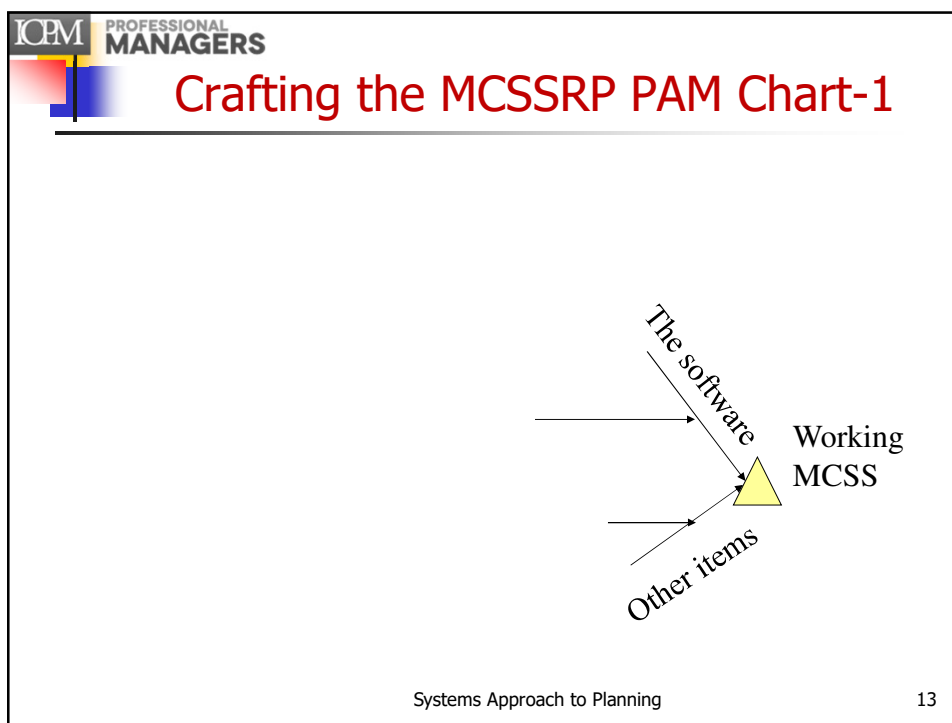
<b>Identification number</b>	Reason activity/task is being done
Name of activity/task	Traceability to source of work
Priority	Prerequisites (milestones and products)
Narrative (description) of activity/task	Resources (people, equipment, material) Name of person responsible for activity/task
Schedule (+ accuracy)	Risks (probability, seriousness, mitigation WP ID)
Products (outputs)	Lower level WP ID's (if any)
Acceptance criteria for products	Decision points (if any)
Estimated cost	Internal key milestones (if any)
Accuracy of cost estimate	Assumptions not stated elsewhere

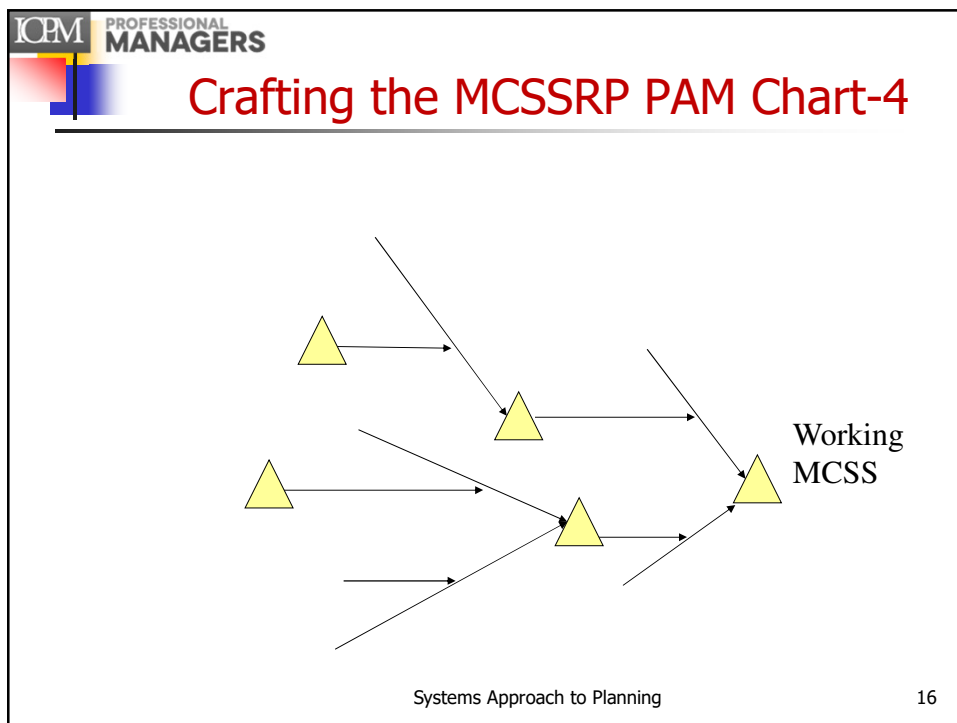
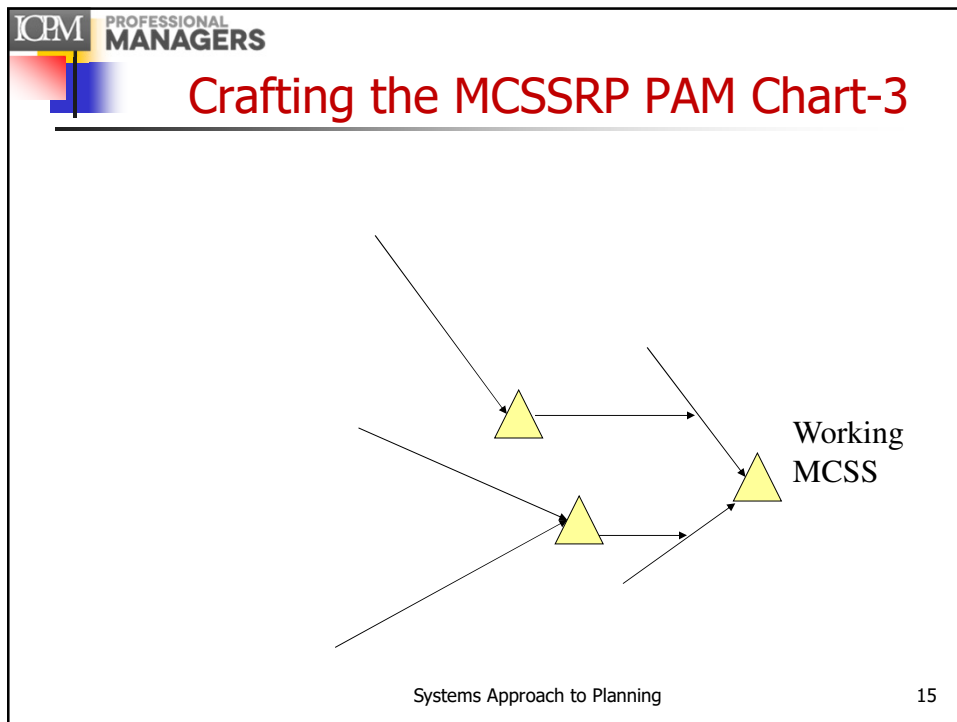
Shown in two columns to fit slide, use single column

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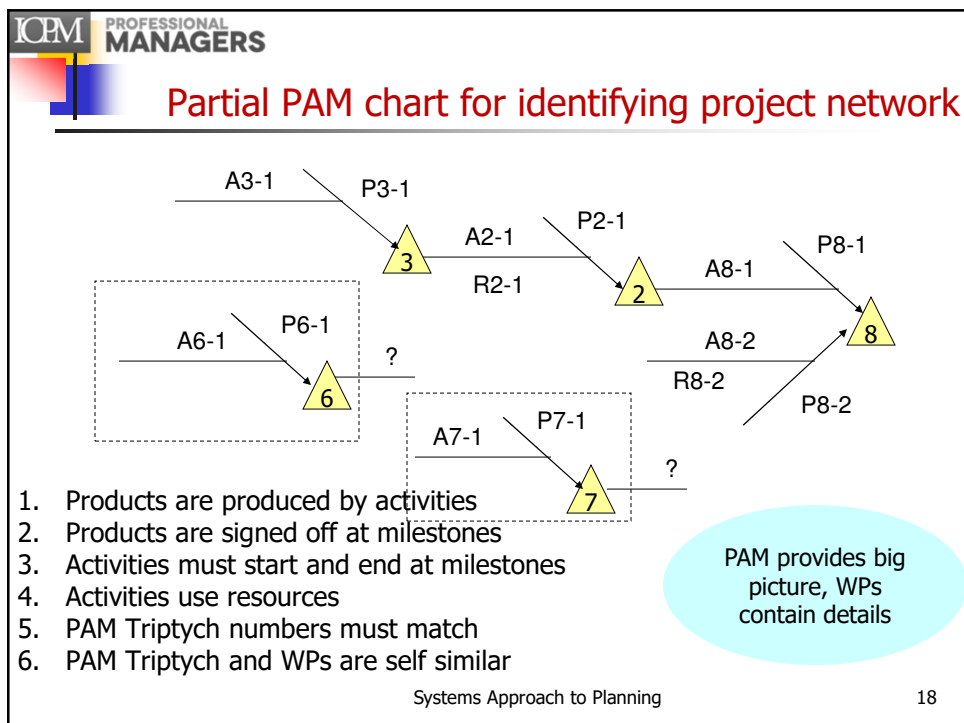
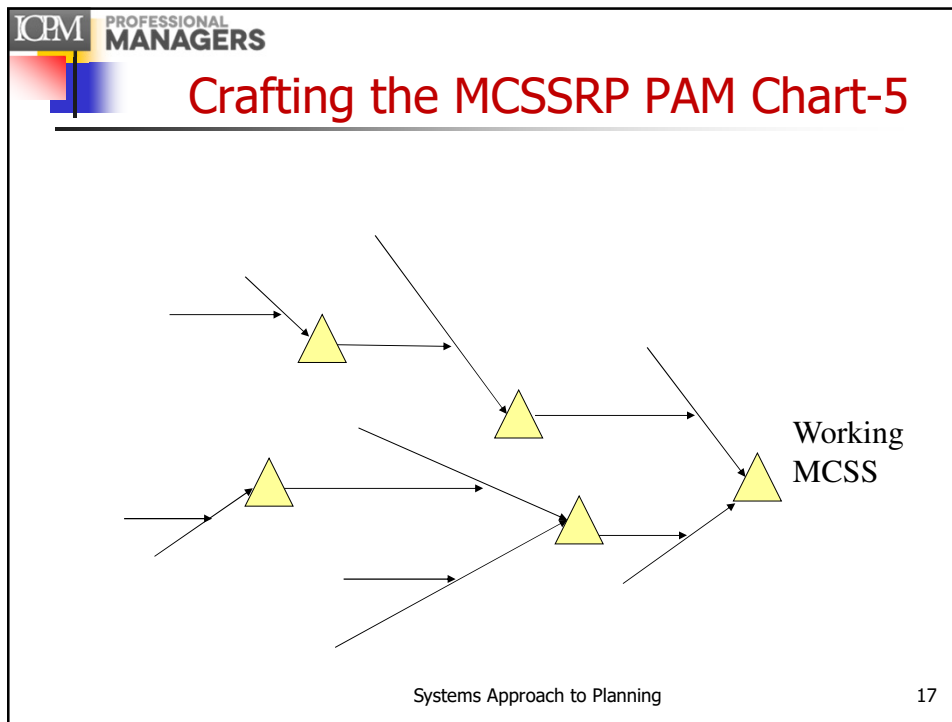


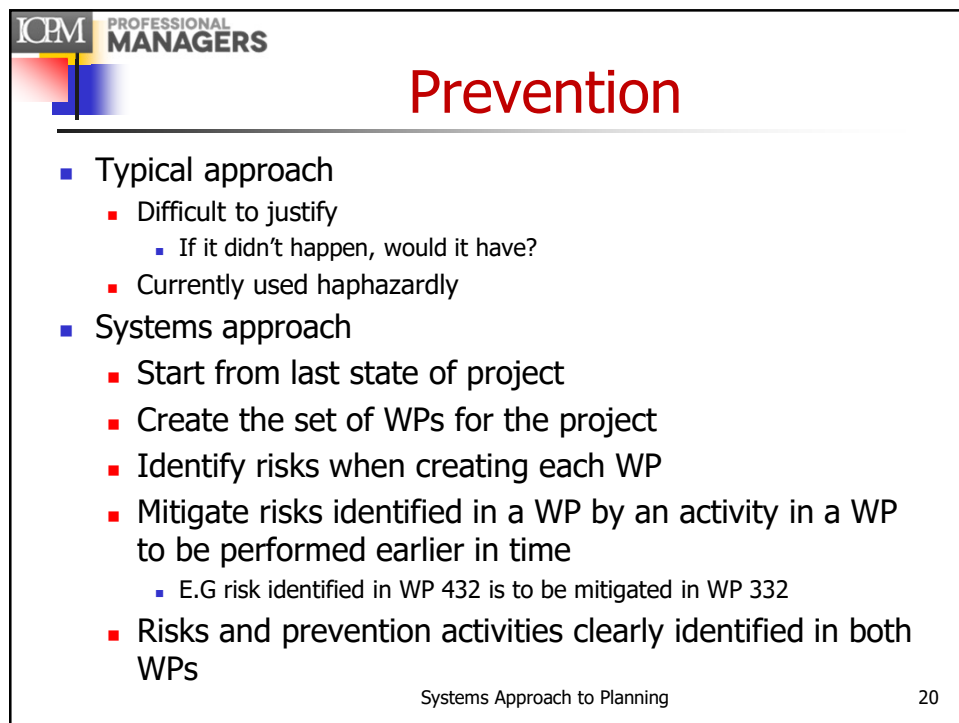
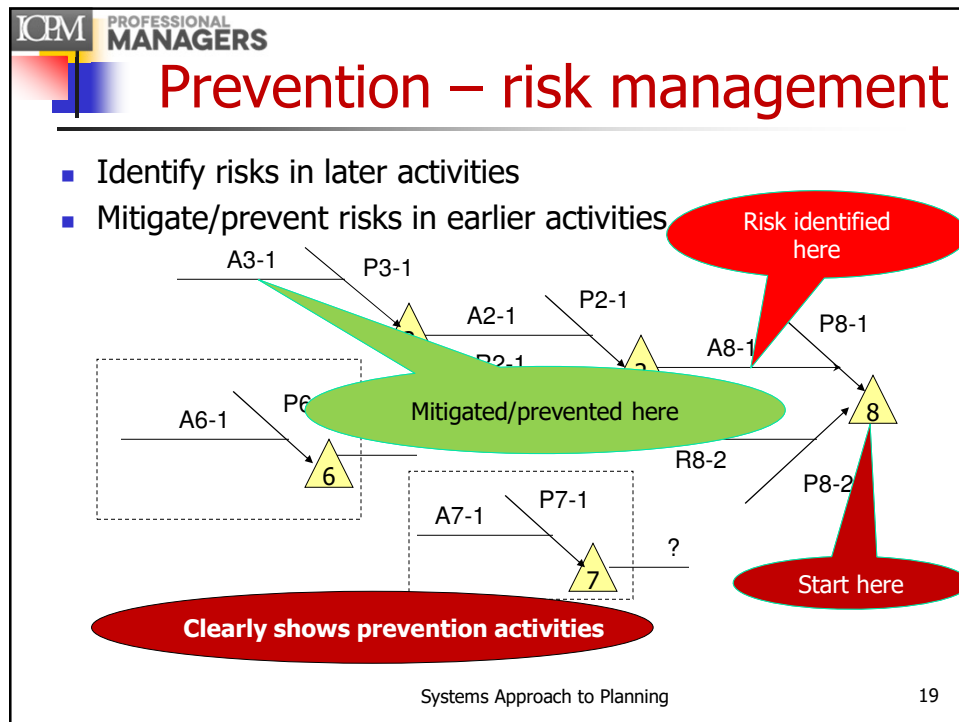












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## Links between WPs?

- PERT charts
  - Dependencies
  - Management language
- Gantt charts and Tables
  - Do not show links
- PAM Charts
  - Input (planning) tool not display tool
  - Transactions between activities

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## Summary

- Three streams of work
- Working back from the answer
- Product-based planning
- Work packages
- PAM Charts
- PAM Networks
- Number in threes
- Prevention – risk management
  - Prevention activities are clearly identified

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## Meeting the objectives

1. Described the systems approach to planning ✓
2. Showed
  1. how it differs from the traditional approach
  2. how 'prevention' is built into the approach ✓
  3. that the benefits of prevention can be demonstrated
3. Provided you with three useful planning tools ✓
  1. Working backwards
  2. The PAM Chart
  3. The WP

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## Questions or comments



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