

Lesson Objectives



Objectives -On successful completion of this training module, you should have:

- Understood the basics of Capacity Planning
- Capacity evaluation and Capacity leveling

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Training Agenda



- What is Capacity evaluation and Capacity leveling
- Capacity Planning Environment
- Integration Of Capacity Planning
- Capacity Planning Elements
- Areas Of Capacity Planning

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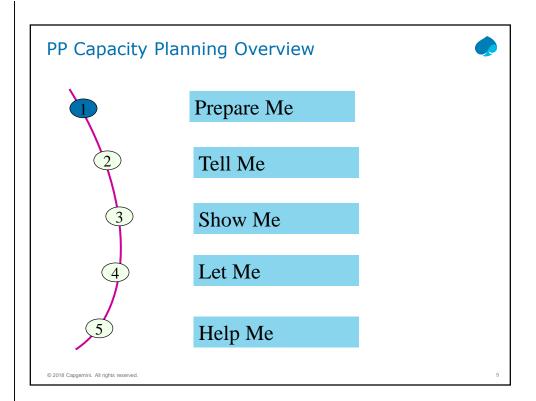
Training Agenda

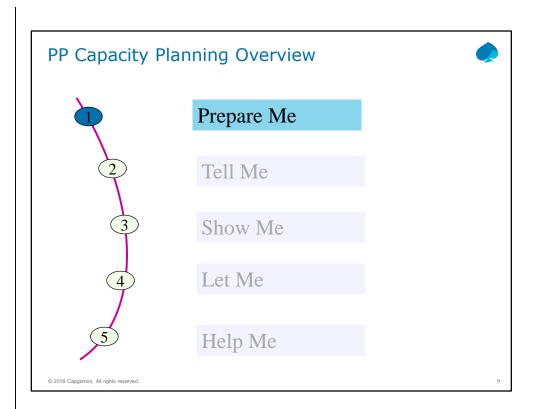


- Process Flow
- Capacity Lists And Functions
- Essentials
- Work Centers
- Central Shift Sequences
- Work Time Operating Time
- Capacity Requirements Views And Dispatching.

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Add instructor notes here.





Prepare Me



Capacity planning comprises the following partial components:

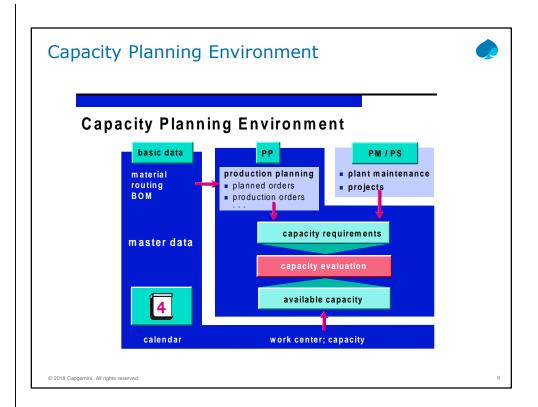
Capacity evaluation

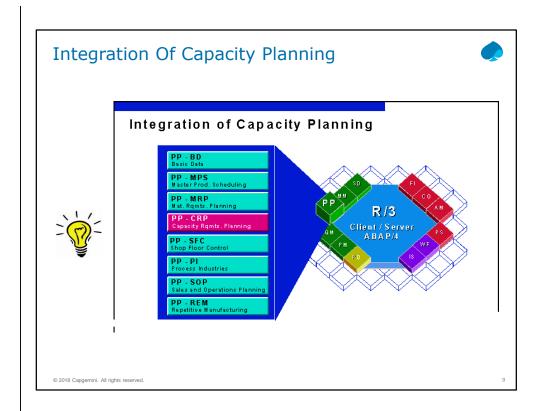
• In the capacity evaluation, available capacity and capacity requirements are determined and compared with each other in lists or graphics.

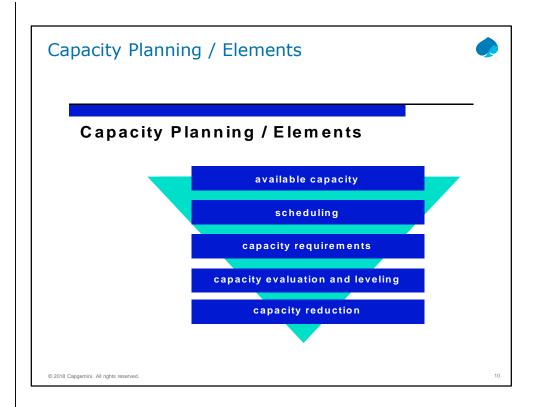
Capacity leveling

- The objectives of capacity leveling are:
 - Optimal capacity commitment
 - Selection of appropriate resources

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Areas Of Capacity Planning **Areas of Capacity Planning** capacity evaluation capacity leveling determination of leveling of overloads available capacity and underloads determination of optimal commitment capacity requirements comparison of selection of suitable available capacity and resources capacity requirements

Purpose



Purpose of Product Cost Planning:

•Capacity planning supports planning in all its phases:

- i. long-term rough-cut planning
- ii. medium-term planning
- iii. short-term detailed planning

•Capacity planning can be flexibly adjusted to planning demands and to the area of responsibility within the company.

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Use



Capacity evaluation

- •We can use capacity evaluations to analyze capacity loads in the company. We can adjust the analyses for each user according to the planning level, planning horizon and the area of responsibility
- •We can use work center hierarchies to cumulate the available capacities of production work centers and their capacity requirements to superior planning work centers.

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Use



Capacity Leveling

- •Capacity leveling is used in various areas of a company and at different planning levels with the following objectives:
- i. High capacity load
- ii. Adherence to dates
- iii. Short lead times
- iv. Low stocks
- •The objectives of capacity leveling include Leveling overloads and under loads at work centers
- •Achieving optimum commitment of machines and production lines and selection of appropriate resources

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Challenges

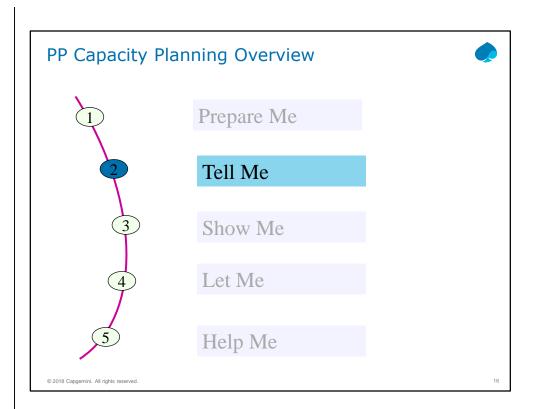


Capacity Evaluation

- •We can use capacity evaluations to analyze capacity loads in the company.
- •We can adjust the analyses for each user according to the planning level, planning horizon and the area of responsibility.

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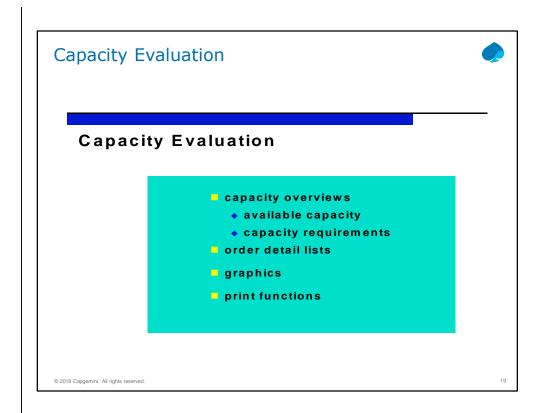
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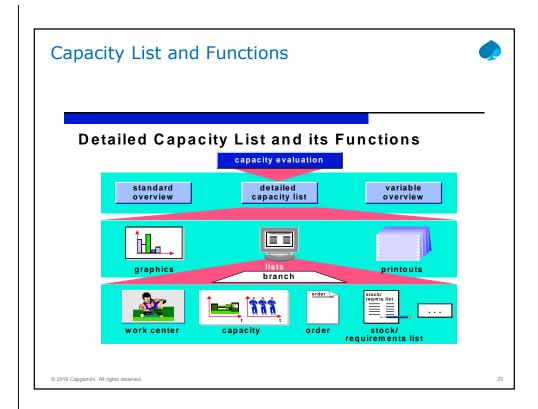


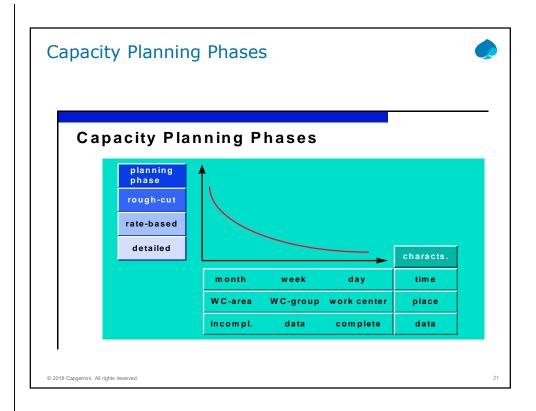
The next slides shows Process Flow of PP Capacity Planning Overview.

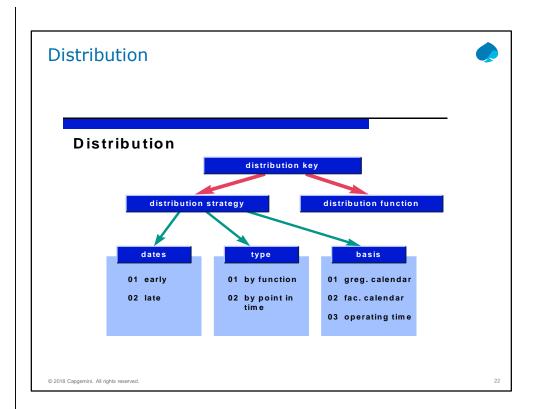
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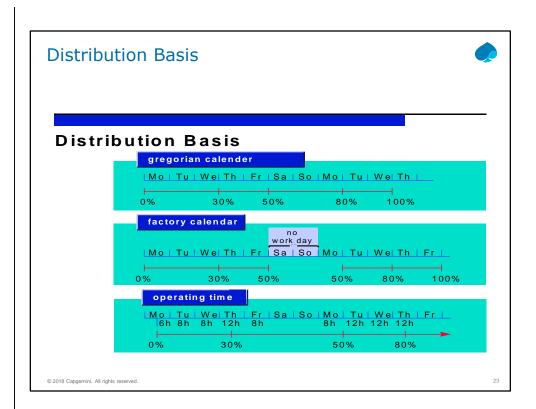
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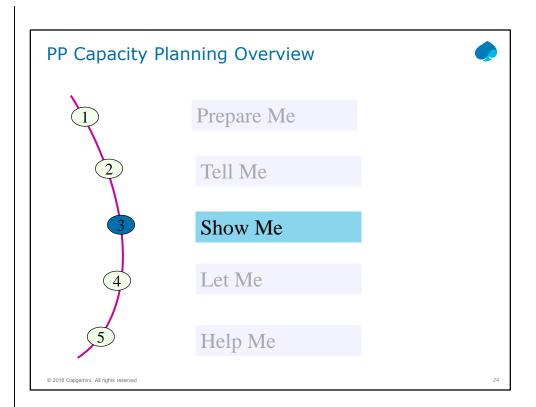


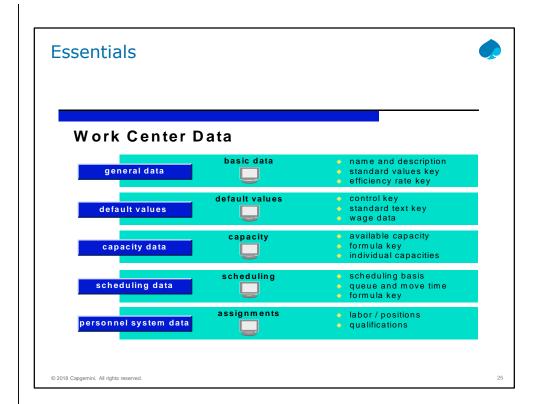


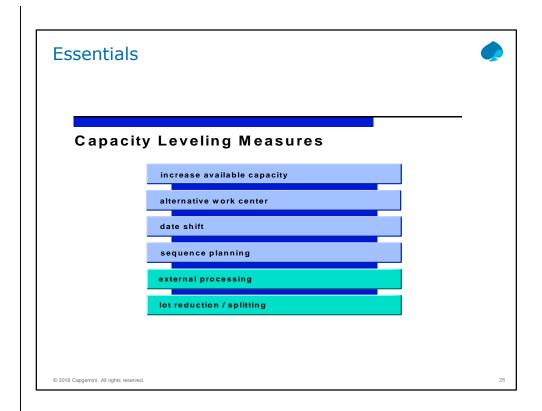


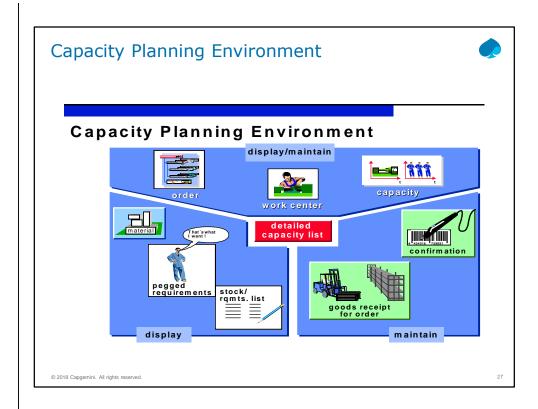


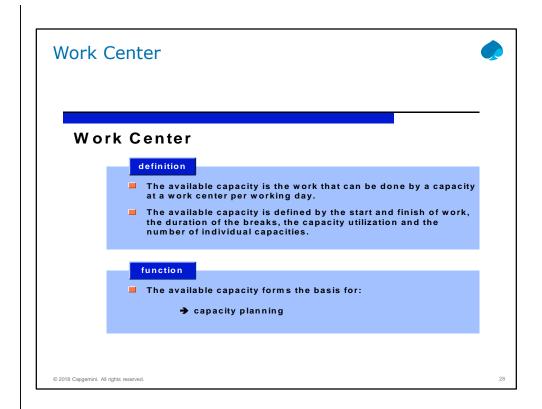


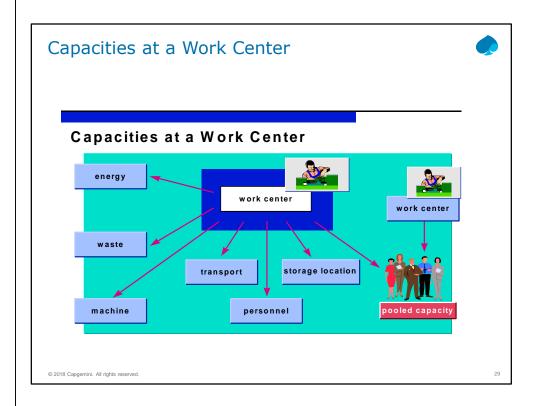


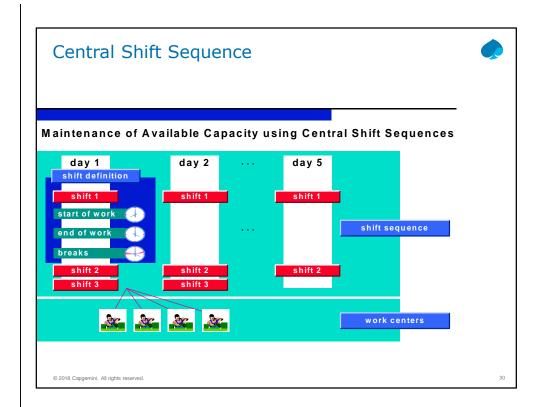


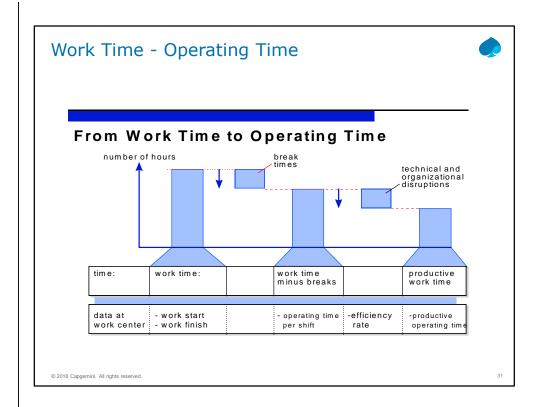


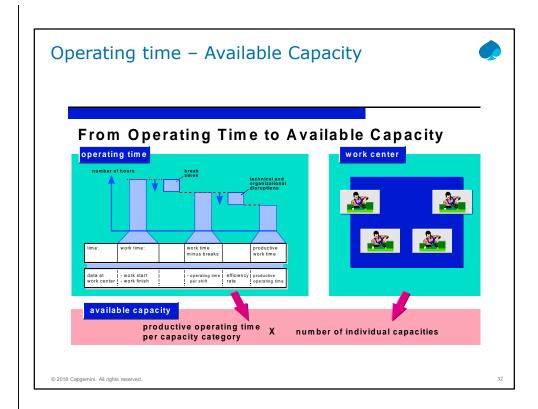


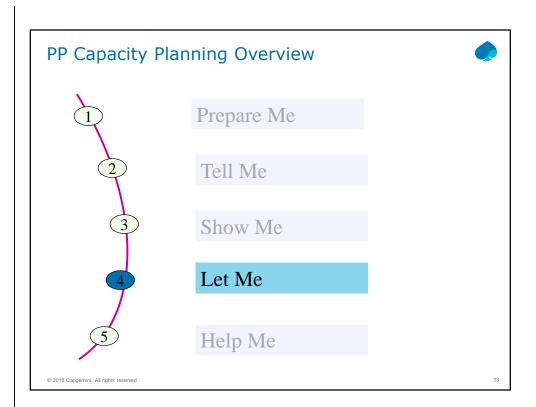


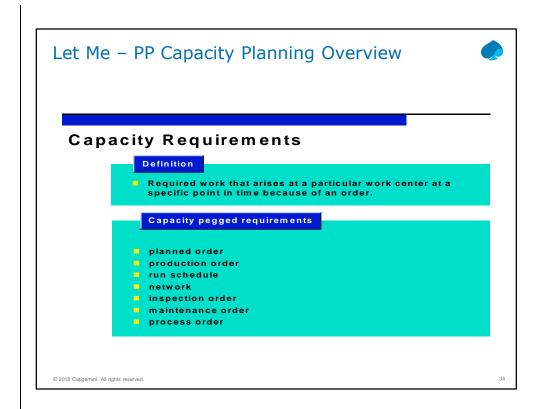


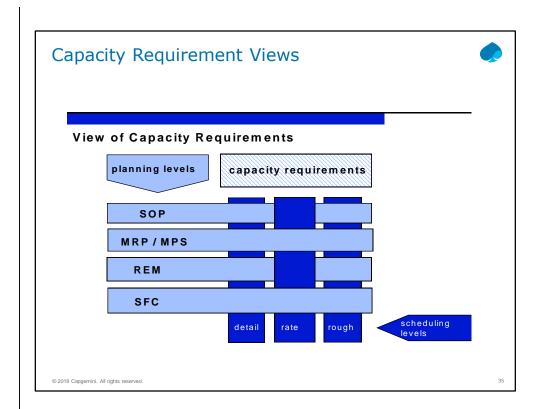


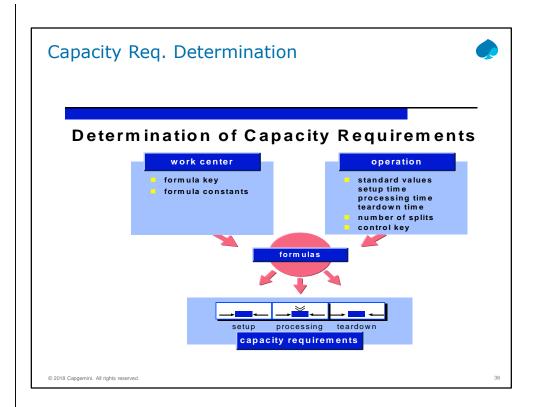


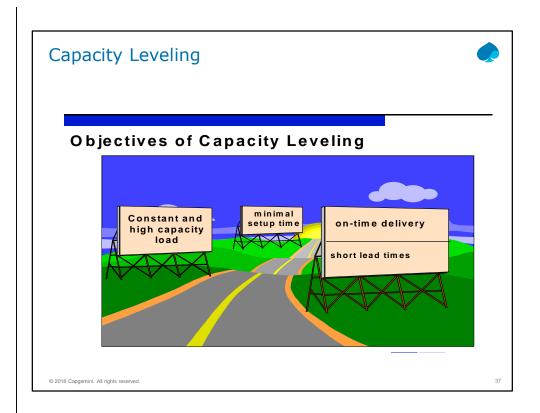


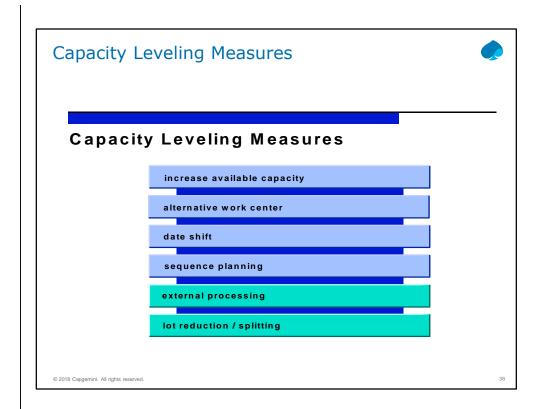


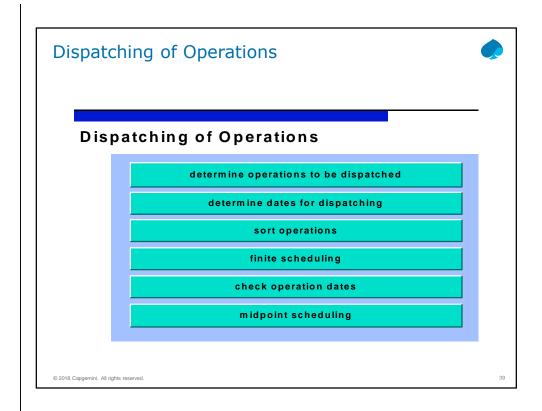


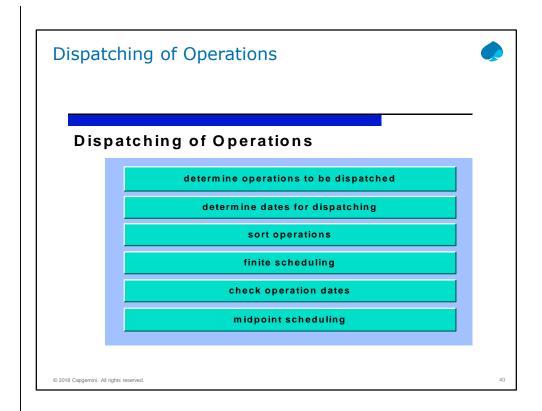


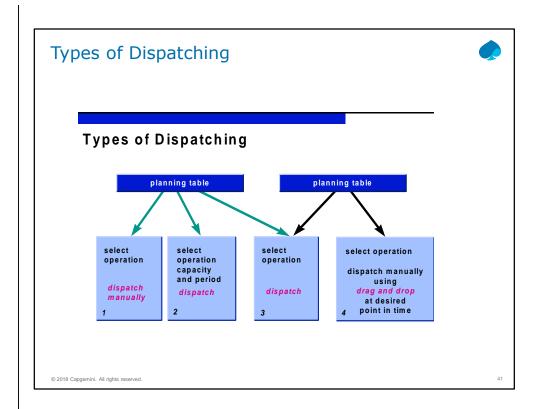


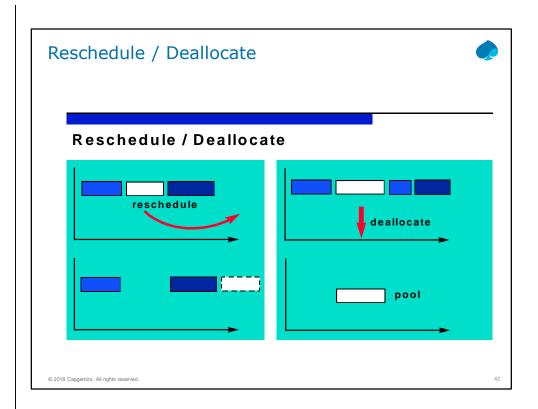


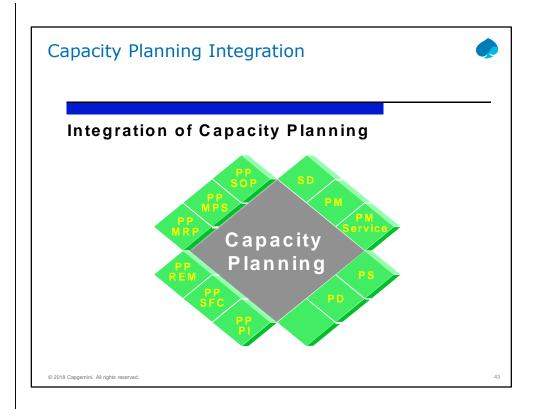


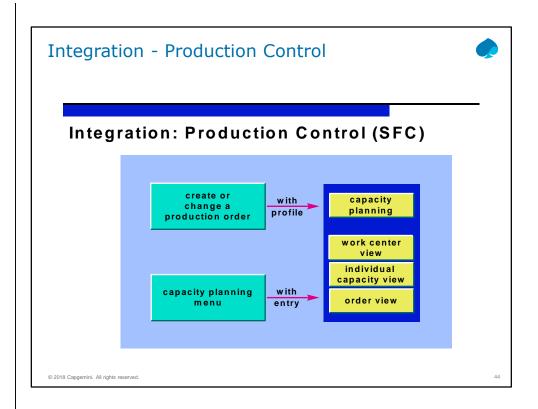


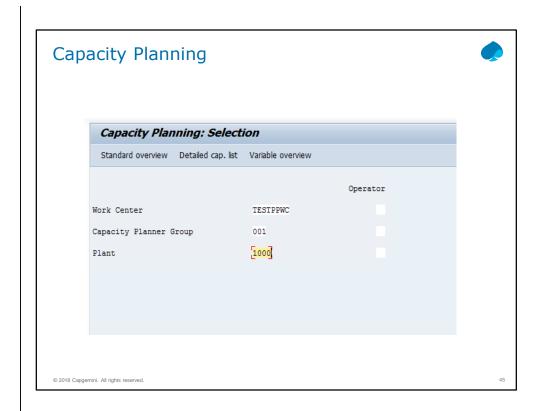


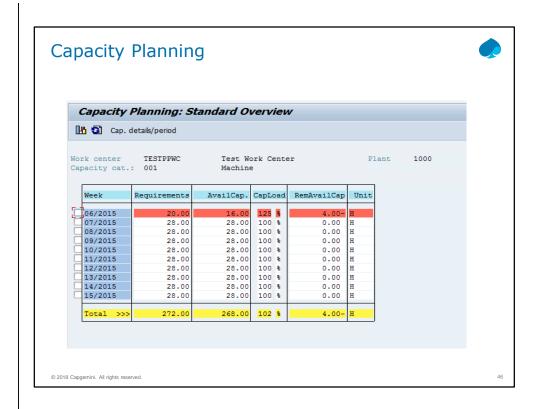


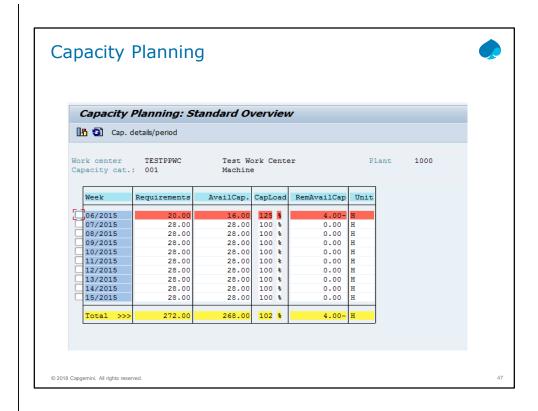




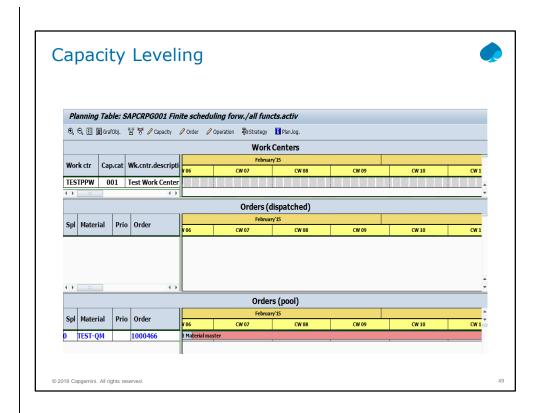


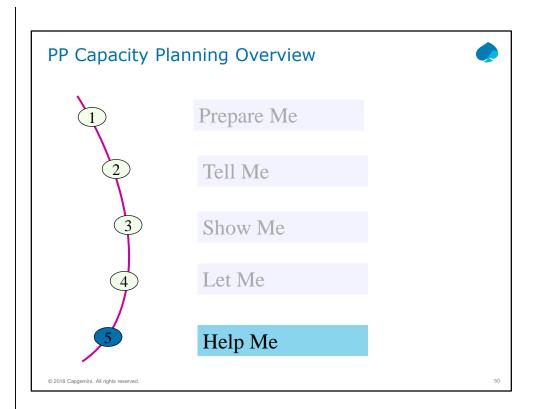












References - Table info



PP Capacity Planning Overview is distributed in following tables

- •KBKO Header record for capacity requirements
- •KBED Capacity requirements records
- ■CRCA Work center capacity

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