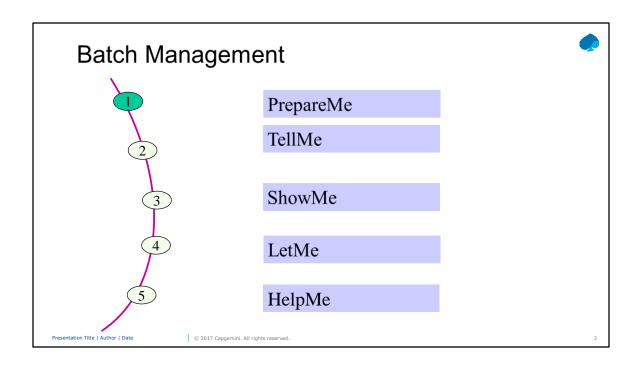
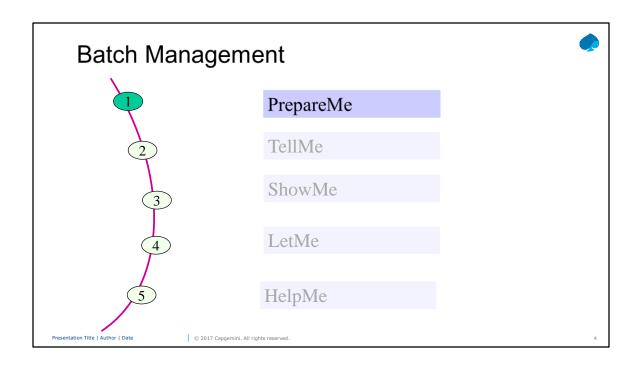


- Fixar a posicao do titulo sempre do lado esquerdo.
- Sempre que tiver muito texto o coluna deve sempre ser " narrowed", se nao fica dificil de ler. Colocar paragrafos no texto.
- Linha vertical deve ser mais fina e as pontas NUNCA devem ser arredondadas.





Batch Management





 Batch is defined as the quantity of a certain material or product which is produced or procured according to the same specifications and this represents one homogenous, non- reproducible unit with unique specifications.

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Use









- Legal requirements (for example, the guidelines set out by GMP (Good Manufacturing Practice) or regulations on hazardous material
- Defect tracing, callback activities, and regression requirement
- The need for differentiated quantity-and value-based Inventory Management
- Differences in usage and the monitoring thereof in materials planning in SD and Production.
- Production or procedural requirements (for example, settlement of material quantities on the basis of different batch specifications

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О

Challenges

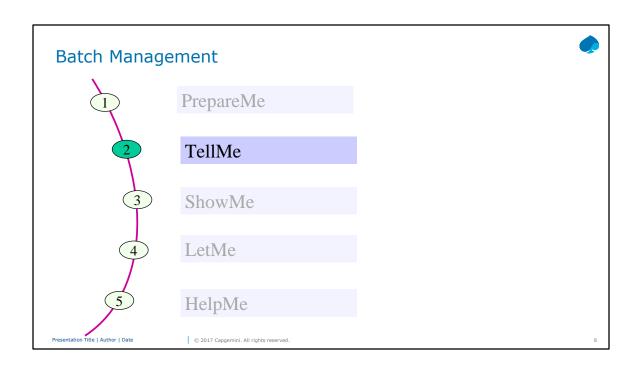




- 1.For which Process batch Management will be used ?
- 2. How to use Batch Management?
- 3. What is Batch search Strategy?
- 4. How to determine Batch for Inventory & Warehouse Management.?

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Batch





The batch object contains the following key fields

- Material
- Batch
- Plant

Batches

- Always assigned to a material
- Can only be used for materials that are to be handled in batches

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Sales & Distribution

- A sales order for a material subject to handling in batches is posted.
 Run a batch determination, as well as a batch availability and usability check. The system determines that the sales order cannot be met with the present stock.
- A requirement is transferred to production

Production

- A production order is created for the material to be handled in batches due to the posted sales order.
- A batch number can be assigned for the quantity of material to be produced.
- As raw materials with certain specifications are required for the manufacture of this material, batch determination is triggered.
- If a sufficient quantity of raw material is available, the selected batches are reserved for the production or process order

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• Quality Management

- The batch produced is subject to a quality inspection for final release.
- The inspection results are recorded.
- A usage decision is made

· Inventory management

- The batch produced is posted to the stock in quality inspection.
- An inspection lot is created.
- The batch produced is posted to unrestricted-use stock.
- The goods issue for the batch of raw material required by production is posted.

• Warehouse Management

 Using the transport requirement, the batch of raw materials is provided at the correct time and date

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Batch Level - Features





Material level:

The batch number is unique in all plants in connection with the material.

Client level:

The batch number is unique in the whole client.

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Batch Number Assignment





- Batch is defined by a Batch Number
- Batch number can be assigned during
 - Manual creation of a batch
 - When carrying out goods movements, for example, goods receipt or transfer posting
 - Creation of a production order
 - When a usage decision is made in quality management
 - Quality analysis
 - Creating a purchase order
- Can assign the batch number either:
 - Manually or
 - Automatically using the Internal Batch Number Assignment function

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Batch Specifications





- Batch specifications describe the technical, physical and/or chemical properties of a batch.
- Can store batch specifications, such as batch status or active ingredient potency, as characteristics in the Classification System
- The classification system is used to assign the material specifications to the material of a batch. These material specifications are assigned to the same class as the batches of the materials. Thus one can store the target values of a batch with the respective tolerance range. These target values are, for instance, used in quality inspection or during the goods receipt transaction, if it is necessary to immediately classify a batch. The values are also employed for the usability check.

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Batch Master Record





- Can only create batches and batch master records for a material if the material is to be handled in batches.
- Set the Batch management indicator in the material master record.
- Batch Master Record can be created
 - Manually
 - In background

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Batch Master Record





- The system creates a batch master record in the background in the following procedures:
 - The first time goods are received for a batch
 - During creation of a production order
 - When a usage decision is made in quality management

 - During a recurring inspection
 For transfer postings (when you want to split a batch, for example)
 - When creating a purchase order

Batch Status Management



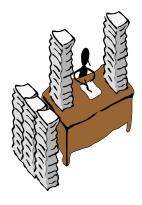
- Batch Status is used
 - To indicate whether a batch is usable or not
 - To prevent goods movements for batches that are not usable, as well as their delivery to customers and their use in Production
- Batch Status
 - Status unrestricted = the batch can be used
 - Status restricted = the batch cannot be used
- Stock Types
 - Unrestricted stock
 - Restricted stock
- Stock Update
- Transfer Postings
- Batch Status and Availability Check

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Batch Determination





- Batch determination is used for all types of goods movements from the warehouse
- Batch Determination is carried out in
 - Inventory Management
 - Production
 - Sales & Distribution
 - Warehouse Management
- Prerequisites
 - Assign a search procedure to the business transaction
 - Batch search strategy must exists for one of the strategy type
 - The selection class must contain at least one of the characteristics with which the batch was classified

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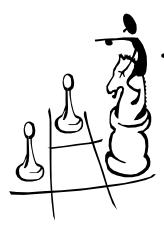
- Start batch determination manually, or the system starts automatic batch determination.
- The system then carries out the following steps in succession:
 - it looks for a search procedure for the business transaction
 - it searches through the strategy types listed in the search procedure for a search strategy. The first valid search strategy is adopted and all other search strategies are ignored.
 - it then uses the characteristics from the selection class of the search strategy to look for batches with suitable specifications
 - it checks whether the batches are available
 - it sorts the batches that were found and are available according to the sort rule from the search strategy
 - the system selects a proposed quantity in accordance with the proposed quantity from the search strategy.
 - the system proposes that batch determination is to run online, providing that the search strategy contains the information

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Batch Search Strategy





- Batch search Strategy is used to define rules for batch determination in particular business transactions. Specify:
 - The conditions under which batch determination is to be triggered
 - The search criteria that are to be used

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• Inventory Management

- Used only for goods issues
 - Withdrawal for production
 - Internal material provision
 - Return delivery to supplier
 - Scrapping/sampling
 - Transfer posting

Warehouse Management :

 If optimum stock removal strategy takes precedence over other factors such as customer specifications

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Batch Determination- Transfer Order





- Batch determination is always carried out
 - automatically
 - background
- Batch Determination Without Reference Documents
- Batch Determination with Reference Documents
 - Deliver
 - Production Order

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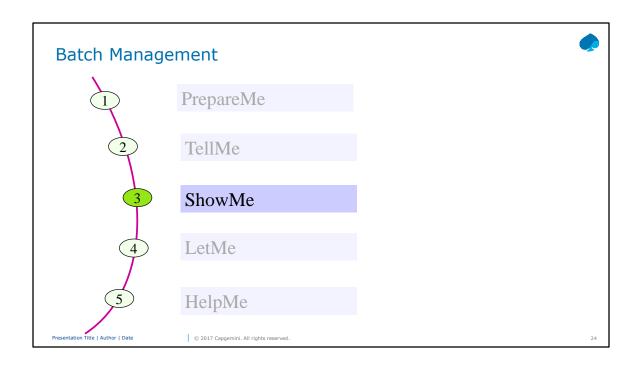
Batch-Specific Material Units of Measure

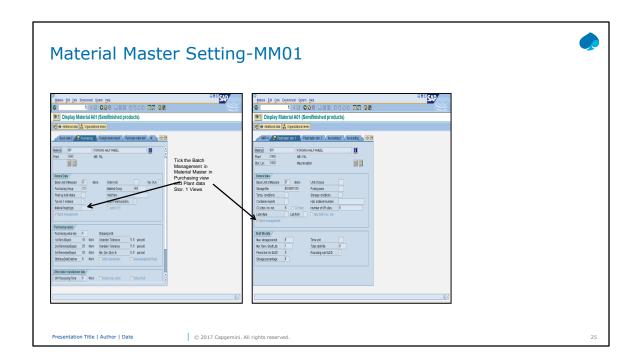


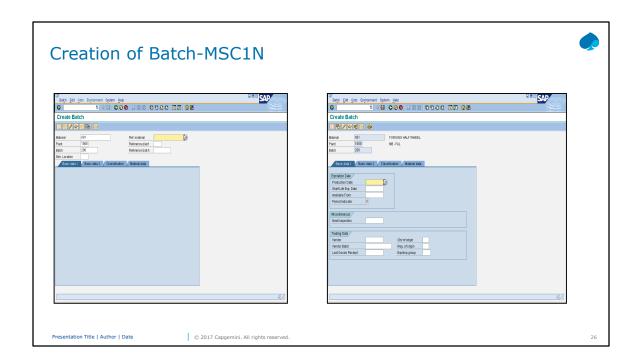
- Alternative units of a material for which the conversion ratio to the base unit of measure can be defined on a batch-specific basis.
- Batch-specific material units of measure are:
 - Proportion units
 - Units of measure in which you can enter proportions of the base unit of a material. The total quantity or physical quantity may be made up of several proportions
 - Product units
 - Unit of measure that describes the total quantity of a material as an alternative to the base unit of measure

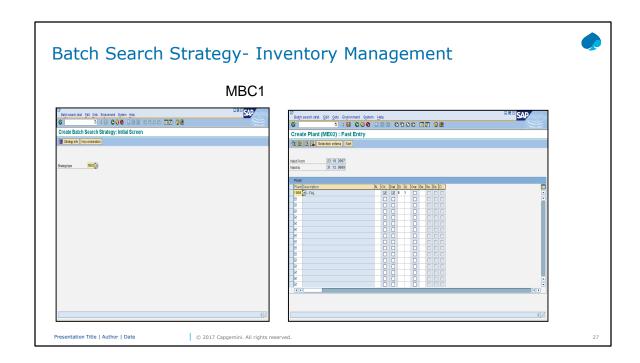
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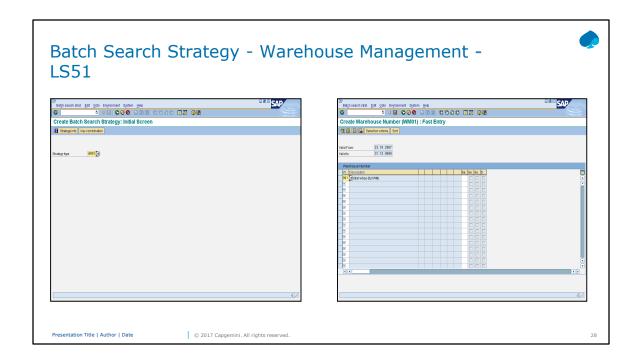
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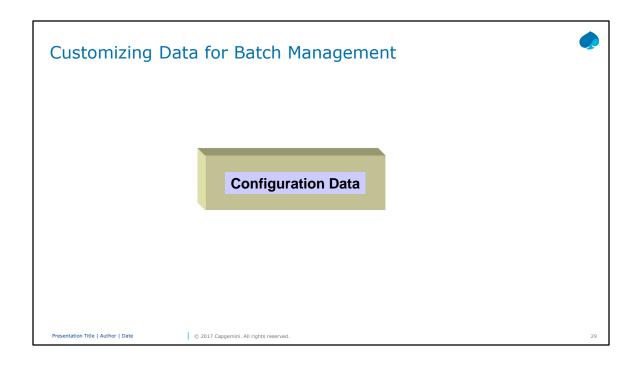


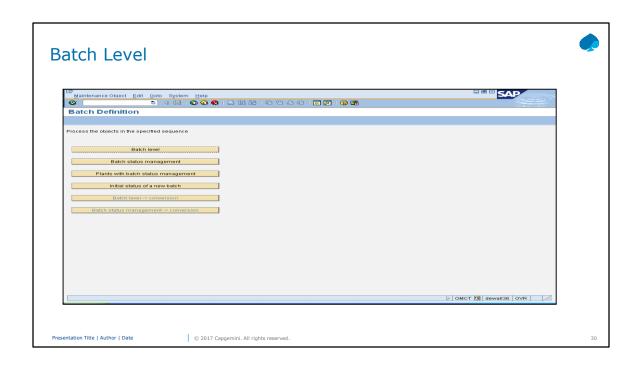


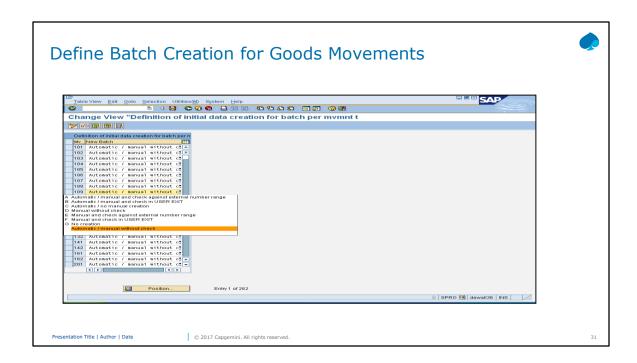


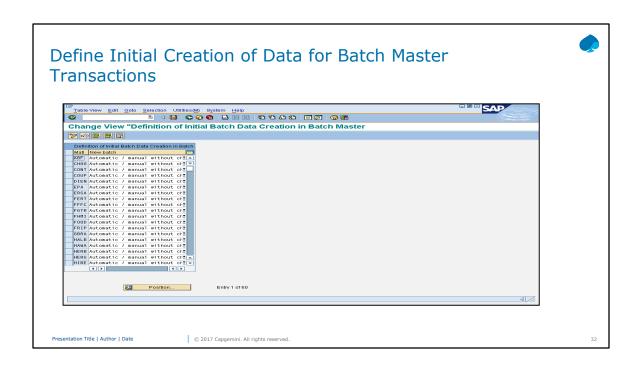


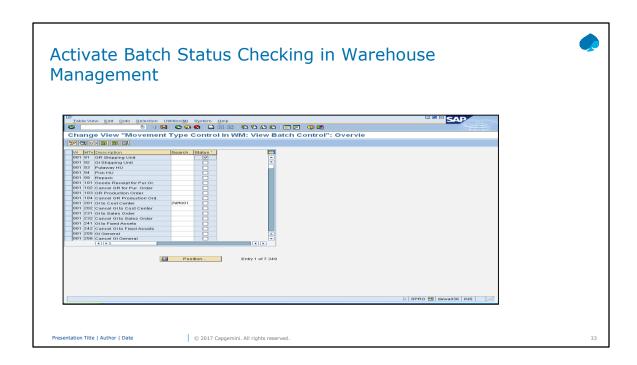


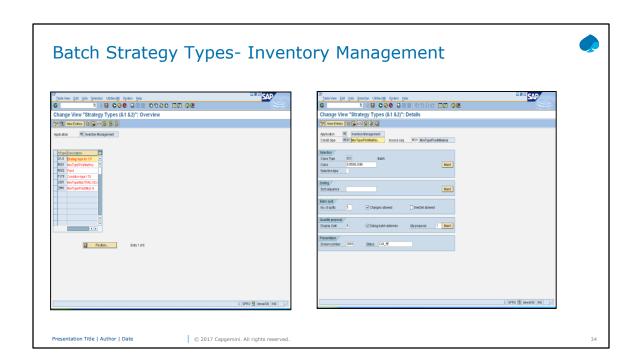


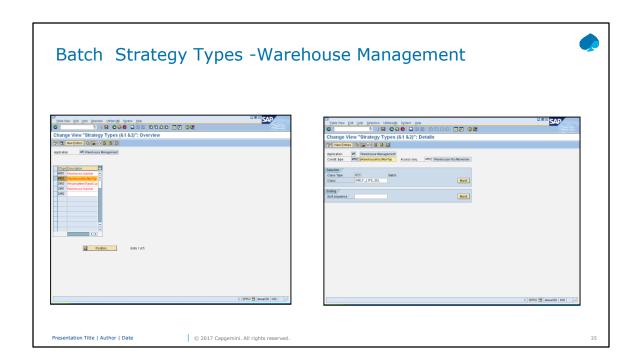


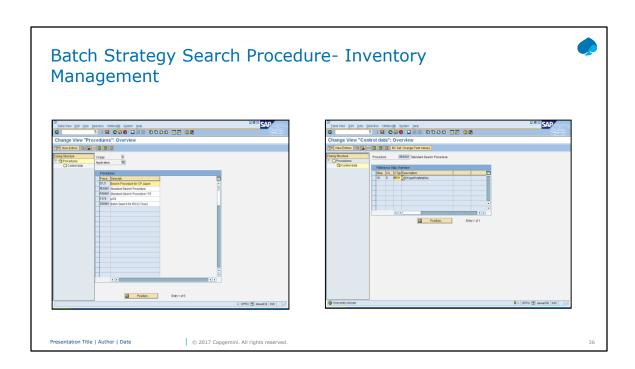


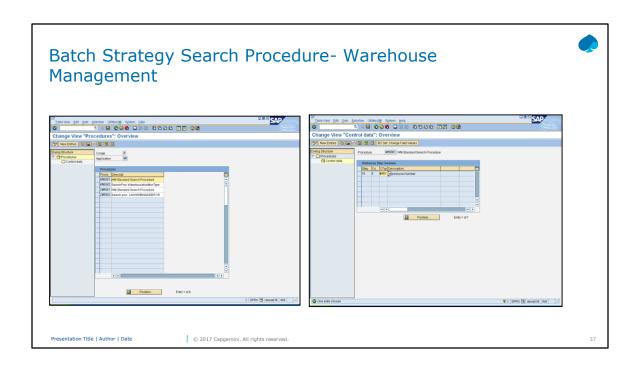


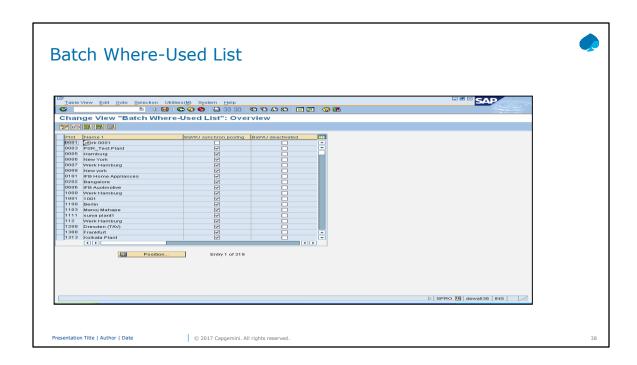


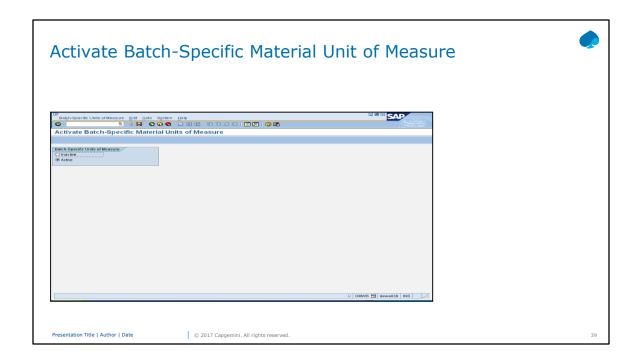


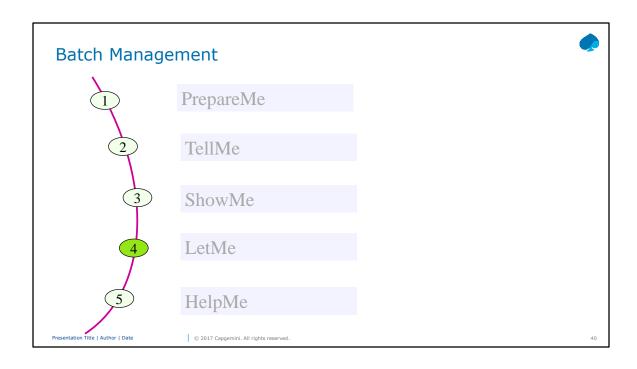












Let Me- Batch Management



MNC Corporation has 2 Plants in USA. Each Plants have 2 Storage Locations. Carryout Batch Management Procedure

- 1) Tick the Batch Management in Material Master
- 2) Create Batch (MSC1N)
- 3) Create Batch Determination Strategy for Inventory Management (MBC1)
- 4) Create Batch Determination Strategy for Warehouse Management (LS51)
- 5) Create Pick up List (MB5C)
- 6) Maintain Batch-specific Units of Measure (MM02)

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Help Me



Some Useful Batch Mgt Transaction

- The report RM07MMHD provides an overview of the remaining shelf life o batches.
- Availability Overview -CO09

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