



An Expert's 8-Step Journey to **Automated** **Batch Determination** **Anchored in Shelf Life**



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An Expert's 8-Step Journey to Automated Batch Determination Anchored in Shelf Life:

This document outlines 8 essential steps for automating batch determination in deliveries based on the SLED (Stockkeeping Unit with Shelf Life Expiration Date) principle.

Concept:

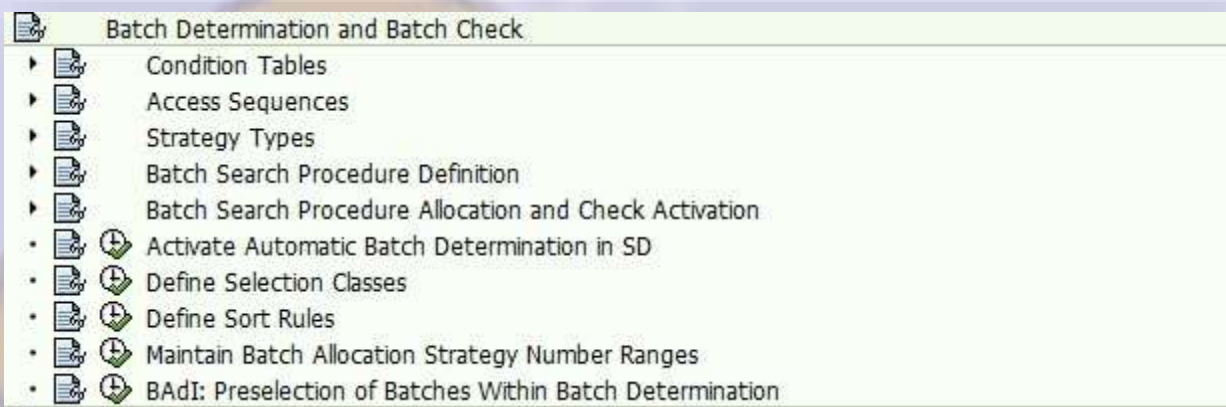
The concept of batch determination based on SLED is primarily employed in industries dealing with perishable goods, such as the food and beverage industry and the pharmaceutical industry. It is crucial for companies to prioritize the delivery of stocks that are nearing their expiration dates.

Where to Configure:

Before explaining "what" to configure, let me guide you on "where" to perform the entire configuration:

Batch management operates through condition techniques. You can access the configuration settings via the following menu path:

SPRO > Logistics General > Batch Management > Batch Determination and Batch Check.



8 Steps to Automate Batch Determination in Delivery.

STEP 1: Strategy type:

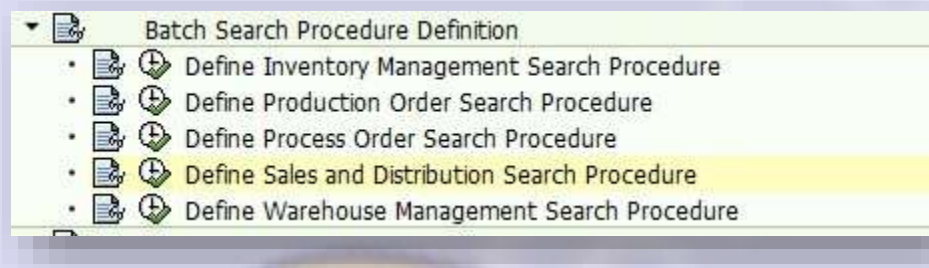
In this step, you define strategy types for batch determination in Sales and Distribution. The function of search strategy is to search the relevant batches while creating Deliveries.

A search strategy assigned with a selection class uses the shelf life expiration date as search criterion during batch determination.

To be able to define strategy types, you must have defined the necessary access sequences. Here you also assign Class Type 023 and Sort sequence – sort expiration, which is shown step 4 and 5

STEP 2: Batch search procedure:

In this step, you define search procedures for batch determination in Sales and Distribution and assign strategy type.



STEP 3: Batch Search Procedure Allocation and Check Activation:

In this step you assign relevant sales area to document type and check activate the batch check.

If a delivery is used without reference to a sales order, you must have done the following in order to execute batch determination:

- Defined the default order type for the delivery type (Logistics Execution -> Shipping -> Deliveries -> Define Delivery Types)
- Assigned the default order type to a batch search procedure

Display View "Search Procedure for Batches: Determination in Sales Doc"

Sales org.	Distr. Chl	Division	SalesDocTy	Search proced.	Check batch
1000	<input type="checkbox"/>	10	OR	YB0001	<input checked="" type="checkbox"/>
1000	10	10	YBFD	YB0001	<input checked="" type="checkbox"/>

STEP 4 – Activate Automatic Batch Determination in SD:

In this step you activate delivery item categories for which you want batch determination to be triggered automatically.

Display View "Automatic Batch Determination for Delivery Item"

ItCa	Description	Auto batch determin
TAN	Standard Item	<input checked="" type="checkbox"/>
TANN	Free of Charge Item	<input checked="" type="checkbox"/>
T30	Miscellaneous Bill of	<input type="checkbox"/>

STEP 5 – Selection class:

In this step, you define selection classes 023 and maintain Characteristics as LOBM_VFDAT, LOBM_RLZ and LOBM_LFDAT

Display Class:

Change Language

Class: CLASS_SEARCH

Class type: 023 Batch

Change Number:

Valid from: 09.06.2015 Validity

Basic data | Keywords | Char. | Texts

Char.	Description	Dat...	N...	D...	Unit	R..	Org. Areas	Std ...	O. I...	Origin	P..	S..
LOBM_LFDAT	Batch Determin. Delivery...	DATE	10	0		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LOBM_VFDAT	Expiration date, shelf life	DATE	10	0		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LOBM_RLZ	Remaining Shelf Life for ...	NUM	4	0 d		<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STEP 6: Define Sort Rules:

In this step, you define sort rules. With the help of sort rules, you define according to which criteria, that is using which characteristics batches are to be sorted.

Display Sort sequence: Basic Data

Characteristics Administrative data...

Sort sequence: SORT_EXPIRATION Sort by Expiry Date

Basic data

Status: 1 Released

Group:

STEP 7 – Master data:

In this step you assign class – 023 in the classification tab of material master

Classification

Object

Material: 901010 1L Pure (Amazon) 6ct
 Class Type: 023 Batch

Assignments

Class	Description	St...	S..	I...	Itm
CLASS_EXPIRYDATE	Expiry date	<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	10

Entry 1 / 1

You also need to activate BATCH MANAGEMENT in Sales: General/Plant tab of material master

Display Material 901010 (Finished Product)

Additional Data Org. Levels

Sales: sales org. 2 Sales: General/Plant Foreign trade export S..

Material: 901010 L Pure (Amazon) 6ct
 Plant: 1000

General data

Base Unit of Measure: CV Case: Replacement part:
 Gross Weight: 15.400 LB Qual.f.FreeGoodsDis.:
 Net Weight: 15.400 Material freight grp:
 Availability check: 02 Individ.requirements: Appr.batch rec. req.:
 Batch management

STEP 8 – Condition records:

In this step you have to maintain relevant condition records for the materials

Change BP: Expiration date (YB12) : Fast Entry

Selection criteria Sort

Valid From: 09.06.2015
 Valid to: 31.12.9999
 Valid On: 09.06.2015

Material	Description	N...	Ch...	Dia...	D...	Q...	Ov...	S...	S...	S...	D...
901000	1L Pure (Prism) 12ct		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	B		<input type="checkbox"/>	F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
901001	330ml Tropical Fruit 12ct		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	B		<input type="checkbox"/>	F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
901002	330ml Orange (Dream Cap) 12ct		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	B		<input type="checkbox"/>	F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
901003	330ml Variety FP 12ct		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	B		<input type="checkbox"/>	F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

While creating condition records please maintain the days under which batches should be picked

Entry 1 / 1

Values for Class CLASS_SEARCH - Object \$\$00000001

General

Characteristic Description	Value
Expiration date, shelf life	
Remaining Shelf Life for ...	>= 120 d

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