

SAP EWM BATCH PROCESSING

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Process overview

Overview

A batch describes a quantity or partial quantity of a certain material or product that has been produced according to the same recipe, and represents one homogenous, non-reproducible unit with unique specifications.

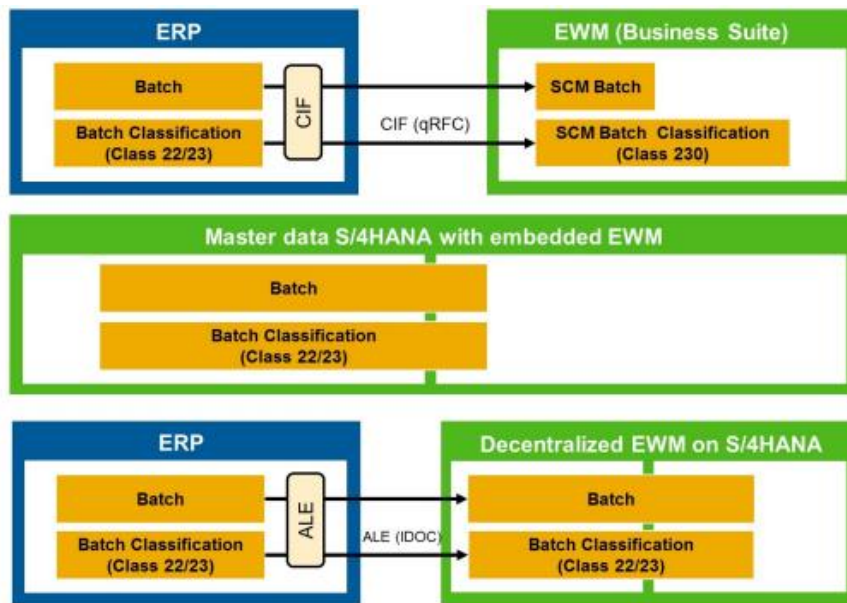
Practically batch can be created either via production order if you are a manufacturer or batches are received via vendor and created in system during inbound process.

Batches are managed centrally as master data in an SAP ERP system. The SAP ERP system distributes batches to all connected SAP EWM systems through the Core Interface (CIF) or through an IDoc, depending on the SAP EWM release. You can also create and partially change batches in the SAP EWM system. Batch characteristics describe the technical, physical, and/or chemical properties of a batch, and are stored in the classification system.



Batches in EWM

Batch master data is also available in the SAP EWM system, but looks different depending on the SAP EWM system. In an SAP S/4HANA based decentral EWM system you have the same transactions as in an ERP system. It depends on the SAP S/4HANA release if you can only display, or if you can also create and change batches with the standard transactions.



Batches in Inbound Processes

When you receive material that is batch relevant, a batch must be created before the goods receipt can be posted (as the batch is part of the stock information). The batch creation can happen at various times. The batch can be created before you create the inbound delivery in ERP and directly entered in that inbound delivery. You can also create a batch in ERP during the creation of the ERP inbound delivery (customizing must be set up accordingly).

The batch can also be created in SAP EWM. In that case, it is automatically created in the background in ERP using a remote function call.

Batches in Outbound Processes

You can assign batches to be sold or picked manually at certain points, but it can be done automatically using batch determination, which uses condition technique. This enables you to define your own search strategies by choosing the relevant key fields from the business transaction to search for batches. For example, you choose the combination of customer and material and then specify the criteria for batch selection.

Batch Determination in Sales Orders

The batch can be determined automatically in the sales order. This batch is then copied into the ERP outbound delivery and the SAP EWM outbound delivery order and picking is limited to quants that are part of this batch. However, in a sales order, batch splits are not possible. This means that the system assigns one batch only. If this batch does not have the required quantity, the rest of the sales order is never fulfilled.

Batch Determination in Deliveries

During a batch determination in a delivery, the system always creates a batch split. The system can select as many batches as are required to fulfill the requested quantity, as long as the batch determination criteria are fulfilled. In the

case where not enough stock is available in the right batches, the sales order is still open and can be fulfilled later when new batches with the required criteria are available.

Batch Determination with SAP EWM

From a warehouse point-of-view, a batch assigned in the ERP outbound delivery may not be the best choice, because the sort criteria for the batch determination do not reflect any picking strategies. SAP EWM does not have batch determination functionality. However, the interface can be set up so that ERP batch determination in the outbound delivery is only being used to determine the batch determination criteria that needs to be fulfilled, without assigning a batch. These criteria are then passed on to SAP EWM and used to determine the best quant from a warehouse picking strategy, while fulfilling the batch determination requirement.

Use cases

Batch management is critical for industries that require **traceability, expiration control, and quality assurance**. Below are real-world scenarios of how SAP EWM manages batches in different industries.

1. Pharmaceutical Industry (Batch Tracking & Compliance)

Scenario:

A pharmaceutical company manufactures **COVID-19 vaccines** that require strict **batch traceability and expiration control**.

SAP EWM Solution:

- **Batch Creation:** Each vaccine batch is assigned a unique batch number during production.
- **Storage & Tracking:**
 - Temperature-sensitive batches are stored in climate-controlled bins.
 - SAP EWM integrates with **SAP ATTP (Advanced Track & Trace for Pharmaceuticals)** to ensure compliance with serialization laws.
- **Batch Determination for Picking (FEFO Strategy):**
 - Hospitals place orders for vaccines.
 - SAP EWM applies **First-Expiry-First-Out (FEFO)** to ship batches closest to expiry first.
- **Recall Management:**
 - If a batch is found to be defective, SAP EWM enables **full batch traceability**, identifying which hospitals received the affected batch.

Outcome:

- ✓ Ensures regulatory compliance and prevents expired vaccines from being shipped.
- ✓ Reduces risks by enabling fast and accurate batch recalls.

2. Food & Beverage Industry (FEFO-Based Picking)

Scenario:

A dairy company produces **milk cartons** with a shelf life of 10 days. The company must ensure older batches are shipped first.

SAP EWM Solution:

- **Batch Creation:** Each milk batch is assigned a batch number linked to its **production date and expiry date**.
- **Storage Strategy:**
 - The warehouse is divided into cold storage zones.
 - Milk is stored in **pallets with batch numbers**.
- **Picking Strategy (FEFO):**
 - SAP EWM applies **FEFO** to ensure that milk with the **earliest expiration date** is picked first.
- **Quality Control:**
 - If a quality check detects spoiled milk in a batch, SAP EWM blocks it from being picked and updates inventory status.

Outcome:

- ✓ Reduces waste by ensuring that products are sold before expiry.
- ✓ Ensures fresh products are shipped to customers.

3. Automotive Industry (Batch Tracking for Safety Recalls)

Scenario:

A car manufacturer produces **brake pads** in batches. A defect is later discovered in a specific batch, and the company needs to recall affected vehicles.

SAP EWM Solution:

- **Batch Number Assignment:**
 - Each batch of brake pads receives a unique batch number at the supplier.
 - The batch number is tracked through the supply chain.
- **Batch Traceability:**
 - SAP EWM logs which factories, dealerships, and customers received each batch.

- **Defective Batch Recall:**

- If a defective batch is identified, SAP EWM allows the manufacturer to **trace which vehicles were built with those parts**.
- A **recall notification** is sent to affected dealerships and customers.

Outcome:

- ✓ Enables **fast and precise recalls**, reducing safety risks.
 - ✓ Avoids unnecessary recalls by isolating affected batches only.
-

4. Chemical Industry (Batch Status & Quality Control)

Scenario:

A chemical manufacturer produces **industrial paint**, and each batch must pass quality control before distribution.

SAP EWM Solution:

- **Batch Status Management:**

- When a batch is produced, SAP EWM assigns it an **initial "Blocked" status**.
- The batch is sent to **SAP QM (Quality Management)** for testing.

- **Quality Check Integration:**

- If the batch passes, SAP QM updates the status to **"Unrestricted Use"**, allowing it to be shipped.
- If it fails, the batch remains blocked and is moved to a quarantine storage bin.

- **Batch-Specific Picking:**

- Only batches marked as "Unrestricted" are considered for outbound delivery.

Outcome:

- ✓ Ensures only high-quality products are shipped.
 - ✓ Prevents the risk of delivering defective chemicals.
-

5. Retail Industry (Batch-Based Promotions & Expiry Management)

Scenario:

A cosmetics company sells **limited-edition lipsticks** with a batch-based promotion.

SAP EWM Solution:

- **Batch Identification for Promotions:**

- The company assigns a batch code to the **limited-edition stock**.
- SAP EWM links promotional discounts to that batch.

- **Batch-Specific Picking:**

- Only batches with the promotion tag are picked for online orders.

- **Expiry Management:**

- Unsold stock nearing expiry is flagged, and SAP EWM initiates **clearance sales**.

Outcome:

- ✓ Helps track **promotional inventory** separately.
 - ✓ Prevents expired products from being sold to customers.
-

Conclusion

SAP EWM batch management is crucial in industries that require:

- ✓ **Traceability** (e.g., pharmaceuticals, automotive)
- ✓ **Quality control** (e.g., chemicals, food & beverage)
- ✓ **FIFO/FEFO stock rotation** (e.g., dairy, cosmetics)
- ✓ **Regulatory compliance** (e.g., pharma, food safety)

End user steps:

Master Data

Material must be batch managed in plant/store location level in mm03

The screenshot shows the SAP 'Display Material' screen for material T-EW10-01. The title bar reads 'Display Material T-EW10-01 (Trace)'. Below the title bar, there are icons for 'Additional Data' and 'Org. Levels'. The main area is divided into tabs: 'Purchase Order Text', 'Plant data / stor. 1', and 'P'. The 'Plant data / stor. 1' tab is active. It shows the material 'T-EW10-01' and plant 'SPCW'. To the right, it says 'Mandeep material' and 'Werk Hamburg'. Below this, there is a section for 'General data' with various fields: 'Base Unit of Measure' (KG), 'Kilogram', 'Unit of is', 'Temp. conditions', 'Storage', 'Container reqmts', 'Haz. mat', 'CC phys. inv. ind.', 'CC fixed', 'Number', 'Label type', 'Lab.form', 'Appr.b', 'OBManagmnt', and 'OB Ref. I'. At the bottom, there is a checkbox for 'Batch management' which is checked.

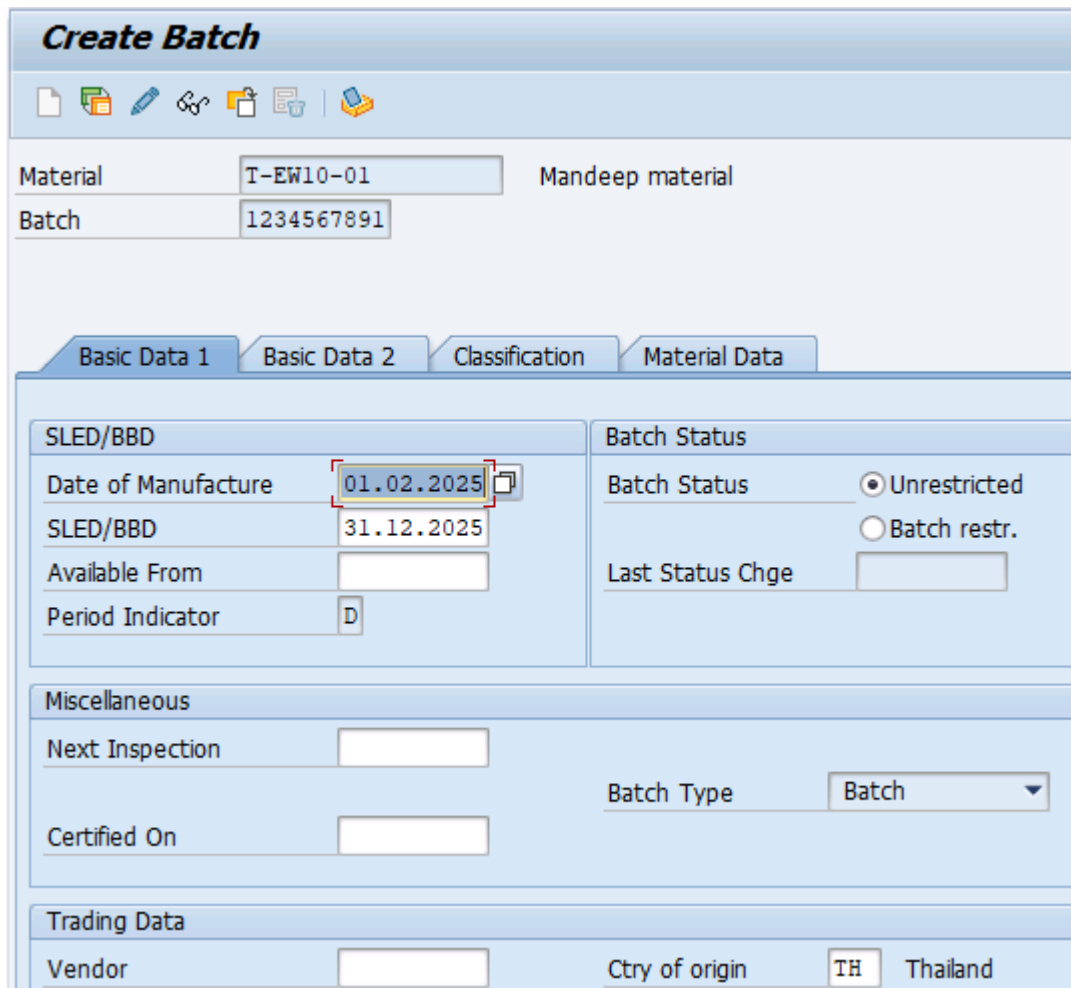
General data			
Base Unit of Measure	KG	Kilogram	Unit of is
Temp. conditions			Storage
Container reqmts			Haz. mat
CC phys. inv. ind.		<input type="checkbox"/> CC fixed	Number
Label type		Lab.form <input type="checkbox"/>	Appr.b
		OBManagmnt <input type="checkbox"/>	OB Ref. I
<input checked="" type="checkbox"/> Batch management			

Inbound Process- batch created in S/4 hana

Create Batch

Created batch: 1234567891 in SAP ERP in tcode: MSC1N

Red color



Create Batch

Material: T-EW10-01 Mandeep material
Batch: 1234567891

Basic Data 1 Basic Data 2 Classification Material Data

SLED/BBD

Date of Manufacture: 01.02.2025
SLED/BBD: 31.12.2025
Available From:
Period Indicator: D

Batch Status

Batch Status: ☒ Unrestricted
☐ Batch restr.
Last Status Chge:

Miscellaneous

Next Inspection:
Certified On:
Batch Type: Batch

Trading Data




Vendor:
Ctry of origin: TH Thailand

Material Mandeep material
 Batch

Basic Data 1 Basic Data 2 Classification Material Data

All Changes

Classification of Batch

Class   

Class Type


Values for Class EWM - Object T-EW10-01 1234567891







General


Characteristic Description	Value
Expiration date, shelf life	31.12.2025
Date when Batch Was Pr...	01.02.2025
EWM Color	RED
Status of Batch	Released

EWM color is characteristics defined in configuration and we can add more.


Created PO

 **Create Purchase Order**

Document Overview On   Hold Park    Print Preview Messages  Personal Setting Save As Template

 NB Standard PO NB Vendor Doc. date

Header

S..	Itm	A	I	Material	Batch	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price
	10			T-EW10-01	1234567891	Mandeep material	20	KG	D	15.02.2025	5

PO number: **4500017231**

Create inbound Delivery

Shipping notificat. Create: Overview

Post Goods Receipt

Inbound deliv. 1 Document Date 15.02.2025
Vendor EWM-VEND01 EWM Vendor 01 / Dietmar-Hopp-Allee 16 / 69190 Walldorf

Item Overview Shipment Unload Stock placement Status Overview Goods Movement Data

Delivery date 15.02.2025 00:00 Total Weight 10 KG
Actual GR date 00:00 No.of packages

All Items

Item	Material	Delivery quantity	SU	Det...	Description	B..	ItCa	P	V	Batch	Ver
1	T-EW10-01	10	KG		Mandeep material		ELN			1234567891	

Inbound delivery: **180001019**

✓ Shipping notificat. 180001019 was saved and distributed to the WMS

Create warehouse task

Tcode: /N/SCWM/MON or /n/scwm/prdi (inbound delivery)

Based on Inbound delivery in ERP, inbound delivery: 410100 is created in SAP EWM

Inbound Delivery Notification

Show: *Find:

<input type="checkbox"/>	Mo...	Block...	Docum...	Manua...	Doc. Cat. Descr.	Doc. Type Descr.	Whse ...	GR Offi...	A...
<input checked="" type="checkbox"/>			410100		Inbound Delivery	Inbound Delivery	E100	E100	

Items Status Dates/Times Locations Partner Reference Documents

<input type="checkbox"/>	RefDoc...	Ref. Document Cat.	Bus. S...	Ref. Doc.	RefItemN...	D...	Time
<input type="checkbox"/>	ERO	ERP Original Document	R3_800	180001019	0		00:00:00
<input type="checkbox"/>	ERP	ERP Document	R3_800	180001019	0		00:00:00

Batch also get copied correctly as shown below

It...	Manua...	Le...	Item Cat. Descr.	Item Type Description	Product	Ext. Produ...	Prod. E...	Description	Batch
10			Standard Delivery Item	Standard Item - Inbound Delivery	T-EW10-01	T-EW10-01		Bulk Paint Gr 01	1234567891

Batch: 1234567891 is internal number range in SAP ERP but in sap ewm – it is defined as external number range.

With follow-on fuction warehouse task is created

More

Show:

*Find:

DLVNO Warehouse Request

410100

Open

Warehouse Request

Handling Units

Create + Save

Create

Delete

Stat...	Whse R...	It...	Proc. Ty...	Reqd ...	U...	Req. ...	B...	OpenQtyB...	B...	OpenQtyA...	A...	Product	Product Descr.	Batch	ST	Description Stock Type
<input checked="" type="checkbox"/>	410100	10	1010	10	KG	10	KG	10	KG	10	KG	T-EW10-01	Bulk Paint Gr 01	1234567891	F1	Unrestricted-Use SPCW/RD00...

Warehouse Req.:

410100

10

Whse Proc. Type:

1010

Source Bin:

9010

0001

GR-ZONE

Product:

T-EW10-01

Bulk Paint Gr 01

Total Reqd Qty:

10

KG

Batch:

1234567891

Requested Qty:

10

KG

Disposal Party:

SPCW

Open Qty BUoM:

10

KG

Stock Type:

F1

Unrestricted-

Open Qty Alt.UoM:

10

KG

Process type determined is 1010 and source bin : GR-ZONE is GR staging area in storage type: 9010

Source Bin:

9010

0001

GR-ZONE

Dest.St.Type Group:

Destination Bin:

0015

0001

0015-05-08-01

Destination bin is 0015-05-08-01 is getting determined based on putaway strategies

Based on process type: 1010, search sequence: PUTW is determined.

Search Sequence: Putaway											
	WhN	Ptwy	Proc./...	Qty Class.	Stock/...	Type	Use	Disposal	HazRat1	HazRat2	Srch Seq.
<input checked="" type="checkbox"/>	E100		1010								PUTW

And based on PUTW – we determine storage type: 0015 as it is first in sequence

Storage Type Search				
View: /SCWM/V_T334QS				
Client: 800				
Datum: 15.02.2025				
WhN	Seq	Seq. ...	Ty.	S.
E100	PUTW	1	0015	
E100	PUTW	2	0020	
E100	PUTW	3	0010	
E100	PUTW	4	0080	

Mmbe stock in SAP ERP before put away.

Selection

Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview

Detailed Display

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Cons
Full	160,000				20,000	
1000 IDES AG	160,000				20,000	
SPCW Werk Hamburg	160,000				20,000	
AF00 Avail. For Sale	80,000					
AF01 AFS Gr 01	80,000					
RD00 Recvd on Dock					20,000	

Warehouse Task confirmation

After put away confirmation of 10 KG, MMBE

Warehouse Task: 200100 1

WT Status: Confirmed

Product: T-EW10-01

Batch: 1234567891 Serial No. Req:

Source Bin: 9010 0001 GR-ZONE

Destination Bin: 0015 0001 0015-05-08-01

Src Tgt Qty AUn: 10 KG

Act. Dest. Qty: 10 KG

Mmbe in ERP: stock moved to AF00 from RD00 storage location. Stock type in EWM is changed to F2.

Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview		
<div> Detailed Display </div>		
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Q
Full	170,000	
1000 IDES AG	170,000	
SPCW Werk Hamburg	170,000	
AF00 Avail. For Sale	90,000	
• 1234567891	10,000	

Display Material Document 4900000001 : Overview

Details from Item Material Accounting Documents...

Posting Date 15.02.2025 Mat. Slip E100000000400501 Name KPSADMIN

Items

Item	Quantity	EU	Material	Plnt	SLoc	Batch	Re	MvT	S	S
		BU	Material Description			Reserv.no.	Itm			FI
1	10	KG	T-EW10-01	SPCW	RD00	1234567891		411		-
			Mandeep material							
2	10	KG	T-EW10-01	SPCW	AF00	1234567891		411		+
			Mandeep material							

In warehouse monitor , we can see stock

Warehouse Management Monitor SAP - Whse. E100 (Time...


Menu ▾ Default Values Fullscreen On/Off Expand All Collapse All Show Hidden Nodes

- > Outbound
- > Inbound
- > Physical Inventory
- > Documents
- ▼ Stock and Bin
 - > **Storage Bin**

	Physical Stock	Available Stock	Handling Unit	Fixed
<input type="checkbox"/> Storage Bin	Ty.	Section	Bin Type	Acc. Ty.
<input type="checkbox"/> <u>0015-05-08-01</u>	0015	0001	P001	BAT
<input type="checkbox"/> <u>0015-05-08-02</u>	0015	0001	P001	BAT
<input type="checkbox"/> <u>0015-05-08-03</u>	0015	0001	P001	BAT
<input type="checkbox"/> <u>0015-05-08-04</u>	0015	0001	P001	BAT
<input type="checkbox"/> <u>0015-05-08-05</u>	0015	0001	P001	BAT
 - > Storage Bin Sorting
 - > Fixed Bin Overview
 - > Physical Stock
 - > Available Stock

Create Batch in SAP EWM

Click on change inbound delivery in Fiori app

 Home ▾


EWM Monitoring


Inbound Processes


Outbound Processes

Internal

Inbound Processes

Create Inbound Deliveries
Deliveries


Change Inbound Deliveries
Deliveries


Process Warehouse Tasks
Putaway


E100

Yesterday

Delivery (1) Standard ▾

<input type="checkbox"/> Inbound Delivery	Planned Dlv. Date	Product
<input type="checkbox"/> 410101 (Blocked)	15.02.2025, 00:00:00 Europe, Berlin	T-EW10-01

Inbound delivery : 410101 is created but it is blocked. Why.

Because material is batch managed and it doesn't have batch information. So this time, we'll put batch information in SAP ewm inbound delivery.

Delivery 410101

Pack Automatically

(Blocked)



General Data Items Attachments

Items

Total Items (1)

Unpacked Items (1)

Delivery Items (1) Standard

<input type="checkbox"/>	Item Number	Product	Delivery Quantity	Stock Type	Batch	N
<input type="checkbox"/>	10 (Blocked)	T-EW10-01	30,000	KG	F1	

Create Batch

Split

Create Batch

Batch:

Vendor Batch:

MANDEEP BT

Production Date:

01.02.2025

BBD / SLED:

31.12.2025

Ctry/Reg. of Origin:

AU

Country/Region Key

Country/Region Name

AU

Australia

Create

Cancel

Batch : 2234567890 created as shown below and delivery has become unblocked.

Delivery 410101

Edit

Pack Automatic

Ctrl+E



General Data Items Attachments

Items

Total Items (1)

Unpacked Items (1)

Delivery Items (1) Standard

<input type="checkbox"/>	Item Number	Product	Delivery Quantity	Stock Type	Batch
<input type="checkbox"/>	10	T-EW10-01	30,000	KG	Unrestricted-Use SPCW/RD00 (F1)

2234567890

Create warehouse task

Click on create task

<

SAP

Change Inbound Deliveries

▼

All

▼

Search

Q

Delivery 410101

Edit

Pack Automatically

Goods Receipt

Reverse Goods Receipt

Create Tasks

Warehouse Number: Central Warehouse 00 (E100)

Vendor: EWM Vendor 01 (EWM-VEND01)

IANA time zone: Europe/Berlin

Number of Items: 1

▲

It created warehouse task with open status

SAP

Home

▼

EWM Monitoring

Inbound Processes

Outbound Processes

Internal

Inbound Processes

Create Inbound Deliveries Deliveries

Change Inbound Deliveries Deliveries

Process Warehouse Tasks Putaway

pg. 21

Standard* ▾

Warehouse Number:*

Central Warehouse 00 (E100)



Warehouse Order:

Warehouse Tasks (1)

<input type="checkbox"/> Warehouse Task	Warehouse Task Status	Source Bin
<input type="checkbox"/> 200101	<input checked="" type="checkbox"/> Open	GR-ZONE

200101

Movement Data

Stock Data

Other Data

Administrative Data


0001

Source Bin:
GR-ZONE

Source Resource:

0001

Destination Bin:*

0015-05-09... 

Destination Resource:

Storage bin determined is 0015-05-09-01

Warehouse task confirmation

Warehouse task confirmation is complete after moving stock to storage bin.

Stock Overview: Basic List



Selection

Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview



Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection
Full	200,000	
1000 IDES AG	200,000	
SPCW Werk Hamburg	200,000	
AF00 Avail. For Sale	120,000	
• 1234567891	10,000	
• 2234567890	30,000	

Outbound Process-Batch determined in S/4 hana

Create Sales order

Create Standard Order: Overview

Standard Order: Net value:

Sold-To Party: ABC Distribution -- 0

Ship-To Party: ABC Distribution -- 0

Purch. Order No.: PO Date:

Sales | Item overview | Item detail | Order details

Req. deliv.date: Deliver to:

☐ Complete delv. Total value:

Delivery block: Volume:

Billing block: Pricing:

Payment terms: 14 Days 3%, 30/2%, 45 ne

Incoterms:

Order reason:

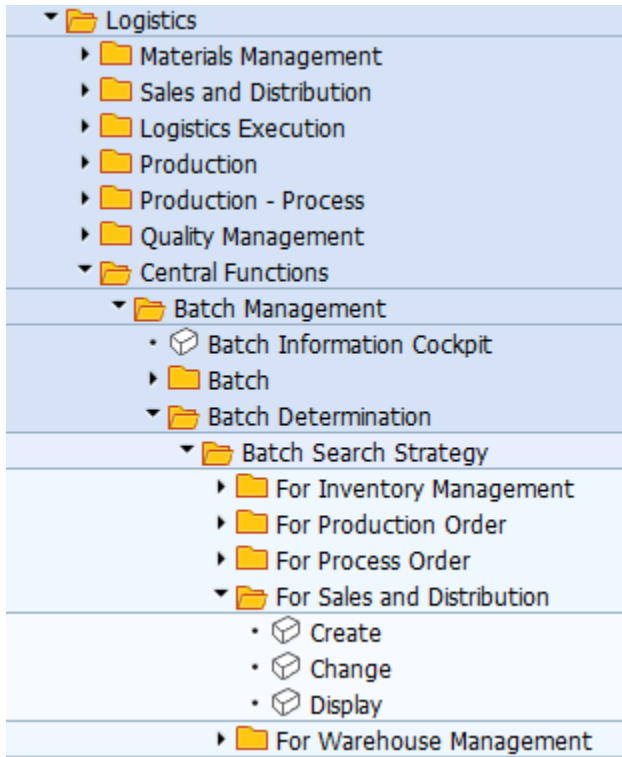
Sales area: / / Germany Fran

All items

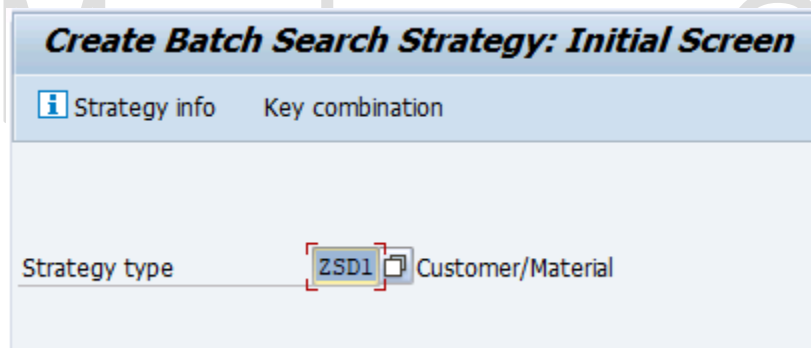
Item	Material	Order Quantity	Un
10	T-EW10-01	5	KG

Sales order: 15065 created.

Batch determination strategy:








Tcode: VCH1



STRATEGY type: ZSD1

Batch search procedure:SD0001

Change View "Control data": Overview

60 New Entries      BC Set: Change Field Values

Dialog Structure



- Procedures
 - Control data

Procedure Standard SD Search P

Reference Step Overview			
Step	Co...	CType	Description
5	0	ZSD1	Customer/Material
5	1	ZJ01	Pharma SD Strategy
10	0	SD01	Fix selection
20	0	SD03	Dest.Country/MatGrp
30	0	SD02	Customer/Mat/Plant
40	0	SD04	Customer/Material

Condition records saved:

Display Customer/Material (ZSD1) : Fast Entry

  Selection criteria

Customer ABC Distribution -- 01

Valid On

Customer/Material			
Material	Description	No. batch splits	Ch...
T-EW10-01	Indeep material	10	<input checked="" type="checkbox"/>

Create outbound delivery

Delivery Create: Overview

Outbound deliv. Document

Ship-To Party ABC Distrib

Item Overview Picking Loading Transp

Planned GI

Actual GI date

All Items

Itm	Material	Deliv. Qty
10	T-EW10-01	5

Batch determination found batches :

Batch Determination SD: Select Batches

☐ Copy ☐ Classification... ☐ Strategy analysis ☐ Log... ☐ Availability

Sold-To Party ABC Distribution -- 01

City Walldorf

Material Mandeep material

Plant Werk Hamburg

Reqmts date

Requirement qty KG

Open quantity KG

Batch Selection

Batch	Split quantity	Available quantity	SLoc	S	Characteristic sort.
L001R	<input type="text" value="5"/>	40	AF00		
1234567891	<input type="text"/>	10	AF00		

Batch copied

Item 10 Item category TAN
Material T-EW10-01 Mandeep material

Processing Material Batch Split Picking Global Trade Manag

Plant SPCW Open qty
MatStgDate 17.02.2025 00:0... Cumul.qty

Batch split items						
Item	Batch	Val. Type	SLoc	Delivery quantity	SU	Avail
900001	1234567891		AF00	5	KG	

Delivery: **80120214** created.

Create warehouse task

Tcode: /scwm/prdo or monitor

EWM delivery order:31000 created

Maintain Outb. Deliv. Order - Warehouse No. E100 (Time Zone CET)

Outbound Delivery Request Outbound Delivery Order Outbound Delivery

Show Find REFDOCNO_ERP_I Logis...

Mo...	Block...	Docume...	Manu...	Doc. Cat. Descr.	Doc. Type Desc.	Whse N...	Ship. O...	Whse Do...	Loading ...	Picking
		310000		Outbound Delivery Order	Outbound Delivery Order	E100	E100			Not Started

Items Status Dates/Times Locations Partner Reference Documents Addnl Quantities Texts HU T

Mo...	Block...	It...	Manu...	Le...	Del. Gro...	Item Cat. Descr.	Item Type Description	Doc. N...	Product	Ext. Prod
		10				Standard Delivery Item	Standard Item - Outbound Delivery		T-EW10-01	T-EW10-01
		20		+		Standard Delivery Item	Standard Item - Outbound Delivery		T-EW10-01	T-EW10-01

Task gets created manually:

Warehouse task confirmation.

Open task: 200102 via Fiori app



Home ▾

EWM Monitoring

Inbound Processes

Outbound Processes

Internal I

Outbound Processes

Run Outbound
Process
Deliveries



Run Outbound
Process
Transportation Units



Process Warehouse
Tasks
Picking



Process Warehouse Tasks - Picking ▾

Standard* ▾

Warehouse Number: *

Central Warehouse 00 (E100)



Warehouse Order:



Warehouse Tasks (1)

<input type="checkbox"/> Warehouse Task	Warehouse Task Status	Source Bin
<input type="checkbox"/> 200102	<input checked="" type="checkbox"/> Open	0015-05-08-01

200102

Movement Data Stock Data Other Data Administrative Data

Source Storage Section:
0001

Source Bin:
0015-05-08-01

Source Resource:

Source Handling Unit:

Remove Whole Handling Unit:



Movement Reason:

Batch:
1234567891

Destination Storage Section:
0001

Destination Bin: *

GI-ZONE 

Destination Resource:

Destination Handling Unit:

Ma

Target Quantity in Alternati

5 KG


Exception Handling:

Resource:

Task is confirmed and 5 qty gets picked and now do manual goods issue and 5 qty would get reduced

Go to Run outbound fiori app



Home 

EWM Monitoring

Inbound Processes

Outbound Processes

Outbound Processes

Run Outbound
Process
Deliveries



Run Outbound
Process
Transportation Units



Process Wareh
Tasks
Picking



Standard* ▾

Warehouse No.:*

E100



Depart. Date/Time for Route:

15.02.2025 - 22.02.2025



Planned I

Deliveries (1) Standard ▾

<input type="checkbox"/>	No. of Items	Outb. Del. Ord.	Route Depart. Date	Consignee
<input type="checkbox"/>	1	310000	17.02.2025, 20:00:00 Europe, Berlin	ABC Distribution -- 01 (T-E01A-01)

Clicked on goods issue .

Outbound Delivery Order 310000

Goods Issue Rev

Warehouse No.: Central Warehouse 00 (E100)
IANA time zone: Europe/Berlin

Means of Trans.:
Consignee: ABC Distribution -- 01 (T-E01A-01)

General Data Items Attachments

Route Depart. Date:
17.02.2025, 20:00:00 Europe, Berlin

Carrier:
-

Warehouse Door:
-

Stag. Area:
0001

Items

1 All Items



0 Missing Tasks



0 Open Tasks



1 Picked

Delivery Items (1) Standard ▾

Change Delivery Item Quantity Ch

<input type="checkbox"/>	Main Item Number	Item Number	Product
--------------------------	------------------	-------------	---------

Only 5 qty remains for this batch now

Before goods issue:

Selection		
Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview		
<div> Detailed Display</div>		
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. ins
Full	195,000	
1000 IDES AG	195,000	
SPCW Werk Hamburg	195,000	
AF00 Avail. For Sale	115,000	
• 1234567891	5,000	

After goods issue

Selection		
Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview		
<div> Detailed Display</div>		
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual
Full	190,000	
1000 IDES AG	190,000	
SPCW Werk Hamburg	190,000	
• AF00 Avail. For Sale	110,000	
• AF01 AFS Gr 01	80,000	
• RD00 Recvd on Dock		

Invoice posted : F2 document

Invoice (F2) (F2) Create: Overview of Billing Items

Billing documents

F2 Invoice (F2) \$000000001 Net Value 12,50

Payer T-E01A-01 ABC Distribution -- 01 / Hauptstrasse 1001 / 69

Billing Date 15.02.2025

Item	Description	Billed Quantity	SU	Net value
10	Mandeep material		5 KG	

Accounting document posted.

Display Document: General Ledger View

Taxes Display Currency Entry View Other Ledger

Data Entry View

Document Number 100000001 Company Code 1000 Fiscal Year 2025

Document Date 15.02.2025 Posting Date 15.02.2025 Period 2

Reference MANDEEP BATCH DE Cross-Comp.No.

Currency EUR Texts exist Ledger Group

Ledger OL

Doc. 100000001 FiscalYear 2025 Period 2

Co...	Itm	L.item	PK	SC	Account	Description	Amount	Curr.	Tx
1000	1	000001	01		140000	Trade Receivables -	12,50	EUR	A0
	2	000002	50		800000	Sales revenues - dom	12,50-	EUR	A0

Revenue account(p/l) 800000 has credit entry and AR account (B/S) 140000 has debit entry

Outbound Process-Batch determined in EWM

Setting changed to determine batch only in EWM

Logistics Execution → SAP EWM Integration → Basic Setup of Connectivity → Configure SAP EWM-Specific Parameters.

Change View "Extended Warehouse Management system":

New Entries

Extended Warehouse Management system									
W..	Whse no. description	Ex...	C...	UD	Dis...	SN Dec. WM	BatchDetEW	GR fr	
E00	/M Whse E100	E...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
E01	EWM Whse E101	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Create Sales order

Create Standard Order: Overview

Standard Order Net value

Sold-To Party ABC Distribution -- 01 / Hauptstrasse 100

Ship-To Party ABC Distribution -- 01 / Hauptstrasse 100

Purch. Order No. PO Date

Sales Item overview Item detail Ordering party Procur

Req. deliv.date Deliver.Plant

☐ Complete div. Total Weight

Delivery block Volume

Billing block Pricing Date

Payment terms 14 Days 3%, 30/2%, 45 net

Incoterms

Order reason

Sales area / / Germany Frankfurt, Final customer

All items

Item	Material	Order Quantity	Un	Description
10	T-EW10-01		5 KG	Mandeep material

Create outbound delivery

Delivery Create: Overview



Outbound deliv. Document Date
Ship-To Party ABC Distribution -- 01 / Hauptstrasse 1001 / 69190 Walldorf

Item Overview Picking Loading Transport Status Overview Goods Movement Data

Planned GI Total Weight KG
Actual GI date No.of packages

All Items

Itm	Material	Deliv. Qty	Un	Description	B..	ItCa	P	V	Batch
10	T-EW10-01	5	KG	Mandeep material		TAN			

Batch blank in outbound delivery

Delivery 80120215 Display: Overview

Outbound deliv. Document Date
Ship-To Party ABC Distribution -- 01 / Hauptstrasse 1001 / 69190 Walldorf

Item Overview Picking Loading Transport Status Overview

Planned GI Total Weight
Actual GI date No.of packages

All Items

Itm	Material	Batch	Deliv. Qty
10	T-EW10-01		

Create warehouse task

Ewm delivery : 310003 created

Batch got determined successfully in wareshouse task

Create Warehouse Task - Whse. E100 (Time Zone CET) - Stock Removal

Putaway Stock Removal Posting Change Stock Transfer

Show

Find

DLVNO Warehouse Req... 310003

Warehouse Request

Handling Units

Create + Save Create Delete

Warehouse Request

Stat...	Whse Re...	It...	Proc. Ty...	Reqd Q...	U...	Req. Q...	B...	OpenQtyB...	B...	OpenQtyA...	A...	Product	Product I
	310003	10	2010	5	KG	5	KG	0	KG	0	KG	T-EW10-01	Bulk Paint

Warehouse Task

Default Values

Stk Can Be Removed

Other Stock

Serial Numbers

Pick Denial

Warehouse Request 310003

10

New Item Delete

Warehouse Task

Confirm WT ☐

No Prc.St.Ctrl ☐

Movement Reason

Src St. Type Grp

Source Bin 0015 0001 0015-05-08-01

Source HU

Dest.St. Type Group

Destination Bin 9020 0001 GI-ZONE

Destination HU

Batch 1234567891

Src Trgt Qty AUoM 5 KG ☐ Keep Alt. UoM

HU Type



Standard * ▾

Warehouse Number: *

Central Warehouse 00 (E100)



Warehouse Order:

Warehouse Tasks (1)



Warehouse Task

Warehouse Task Status



200103

✓ Open

Warehouse task confirmation.

200103

Movement Data

Stock Data

Other Data

Administrative Data

0001

Source Bin:

0015-05-08-01

Source Resource:

Source Handling Unit:

Remove Whole Handling Unit:



Movement Reason:

Batch: *

1234567891



0001

Destination Bin: *

GI-ZONE



Destination Resource:

Destination Handling Unit



M

Target Quantity in Alterna

5

KC

Exception Handling:



Standard* ▾

Warehouse No.:*

Depart. Date/Time for Ro...

Planned Delivery Date:

Includ

E100

Tomorrow (17.02....



Deliveries (2) Standard ▾

Delete (0) Print Loading Instruction

<input type="checkbox"/>	No. of Items	Outb. Del. Ord.	Route Depart. Date	Consignee
<input type="checkbox"/>	1	310003	17.02.2025, 20:00:00 Europe, Berlin	ABC Distribution -- 01 (T-E01A-01)

Goods issue completed

Outbound Delivery Order 310003

Goods Issue

Warehouse No.: Central Warehouse 00 (E100)
IANA time zone: Europe/Berlin

Means of Trans.:
Consignee: ABC Distribution -- 01 (T-E01A-01)



General Data Items Attachments

Route Depart. Date:
17.02.2025, 20:00:00 Europe, Berlin


Warehouse Door:
—

Carrier:
—

Stag. Area:
0001

And stock got reduced in MMBE in SAP S/4 hana

Material	T-EW10-01	Mandeep material
Material Type	HAWA	Trading goods
Unit of Measure	KG	Base Unit of Measure KG

Stock Overview		
		
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qu
Full	195,000	
1000 IDES AG	195,000	
SPCW Werk Hamburg	195,000	
AF00 Avail. For Sale	115,000	
• 1234567891	5,000	

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