

HU MANAGEMENT

What is a Handling Unit (HU) in SAP EWM?

A **Handling Unit (HU)** is a combination of products and their packaging, like a box, carton, or pallet that contains goods. It is treated as one single unit in the warehouse for moving, tracking, storing, and shipping.

 Think of it like this:

 Pallet    Products   Handling Unit

EUR Pallet + 100 Shampoo Bottles = HU with Label + Contents

 Each HU has:

-  Unique ID / Barcode 
-  Information about what's inside
-  The packaging type (pallet, box, crate)
-  Where it is in the warehouse

 Where are HUs used in SAP EWM?

 Warehouse Activity	How HU Helps
 Goods Receipt (GR)	Received items are packed into HUs
 Putaway	Move the whole HU to a storage bin
 Picking & Packing	Pick full HUs or unpack and repack items
 Goods Issue (GI)	Ship entire HUs to the customer

 HU = Products + Packaging

| Products   | + | Box/Pallet  | = | HU  with unique ID no  |

 Why are HUs important?

HU MANAGEMENT

-  Easy to track
-  Know where your goods are
-  Move goods as one unit
-  Better packing & logistics

 Visual Example:



There are 3 types of packaging materials:

1. **Main Packaging Material:** Carton, pallet, drum, etc.

HU MANAGEMENT



2. **Auxiliary Packaging Material:** Bubble wrap, shrink wrap, carton wrap.



3. **Means of Transport:** Vessel, auto trolley, air cargo plane.



Required Configuration

ERP SIDE:

Step Description	No Range Maintenance for HU Identification.
Explanation	In this IMG Activity we need No Range Maintenance for HU Identification.
T-Code	SPRO
Menu Path	Logistic general -HU Management- External Identification – No Range Maintenance for HU Identification.

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Edit Intervals: Handling Unit ID, Object HU_VKEP

Number Range No.	From No.	To Number	NR Status	External
01	000000000000000000	000000000000000000	000000000000000000	☐
02	000000000000000000	000000000000000000	000000000000000000	☒
03	000000000000000000	000000000000000000	000000000000000000	☐
04	000000000000000000	000000000000000000	000000000000000000	☒
05	000000000000000000	000000000000000000	000000000000000000	☐
06	000000000000000000	000000000000000000	000000000000000000	☐
07	000000000000000000	000000000000000000	000000000000000000	☐
08	000000000000000000	000000000000000000	000000000000000000	☒
09	000000000000000000	000000000000000000	000000000000000000	☐
10	000000000000000000	000000000000000000	000000000000000000	☒
11	000000000000000000	000000000000000000	000000000000000000	☐
12	000000000000000000	000000000000000000	000000000000000000	☒
13	000000000000000000	000000000000000000	000000000000000000	☐
14	000000000000000000	000000000000000000	000000000000000000	☒
15	000000000000000000	000000000000000000	000000000000000000	☐
16	000000000000000000	000000000000000000	000000000000000000	☒
17	000000000000000000	000000000000000000	000000000000000000	☐
18	000000000000000000	000000000000000000	000000000000000000	☒
19	000000000000000000	000000000000000000	000000000000000000	☐
20	000000000000000000	000000000000000000	000000000000000000	☒
21	000000000000000000	000000000000000000	000000000000000000	☐
22	000000000000000000	000000000000000000	000000000000000000	☒
23	000000000000000000	000000000000000000	000000000000000000	☐
24	000000000000000000	000000000000000000	000000000000000000	☒
25	000000000000000000	000000000000000000	000000000000000000	☐
26	000000000000000000	000000000000000000	000000000000000000	☒
27	000000000000000000	000000000000000000	000000000000000000	☐
28	000000000000000000	000000000000000000	000000000000000000	☒

Step Description	Define Packaging Material Types for Shipping
Explanation	In this IMG Activity we need to Define Packaging Material Types for Shipping.
T-Code	SPRO
Menu Path	Logistic general -Handling unit Management- basics – Define Packaging Material Types for Shipping

Packaging Material Types	
PkMtT	Description
DIAX	AUXILLARY
DICB	CARTON BOX
DIPL	Pallets

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Packag.Mat.Type: DTAX AUXILIARY

Packaging Material Types

Output Determ.Proc.: []

Output Type: []

Sort: []

Plant Determin.: Plant is entered manually in the handling unit

Pack. Mat. Cat.: D Auxiliary packaging material

Gen. Delivery Items: []

Number Assignment: B Number range interval 'HU_VEKP'

Handling Unit Type: []

Int. Interval: 03

Ext. Interval: 04

Tare variable: ☐

Status Profile: []

Packag.Mat.Type: DICB CARTON BOX

Packaging Material Types

Output Determ.Proc.: []

Output Type: []

Sort: []

Plant Determin.: Plant is entered manually in the handling unit

Pack. Mat. Cat.: C Packaging materials

Gen. Delivery Items: []

Number Assignment: B Number range interval 'HU_VEKP'

Handling Unit Type: []

Int. Interval: 03

Ext. Interval: 04

Tare variable: ☐

Status Profile: []

Packag.Mat.Type: DIPL Pallets

Packaging Material Types

Output Determ.Proc.: []

Output Type: []

Sort: []

Plant Determin.: Plant is entered manually in the handling unit

Pack. Mat. Cat.: C Packaging materials

Gen. Delivery Items: []

Number Assignment: B Number range interval 'HU_VEKP'

Handling Unit Type: []

Int. Interval: 03

Ext. Interval: 04

Tare variable: ☐

Status Profile: []

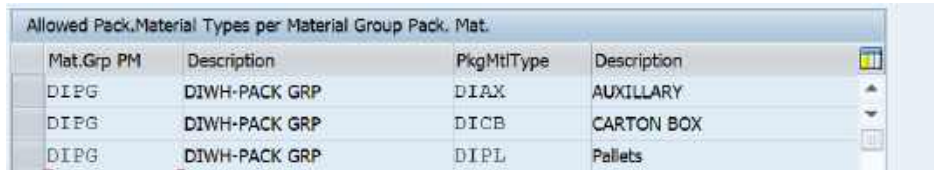
Step Description	Define Material Group for Packaging Materials
Explanation	In this IMG Activity we need to Define Material Group for Packaging Materials
T-Code	SPRO
Menu Path	Logistic general -Handling unit Management- basics – Define Material Group for Packaging Materials

Material Group: Packaging Materials

GrPM	Description
DI PG	DWH-PACK GRP

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Step Description	Define Allowed Packaging Materials
Explanation	In this IMG Activity we need to Define Allowed Packaging Materials
T-Code	SPRO
Menu Path	Logistic general -Handling unit Management- basics – Define Allowed Packaging Materials



Mat.Grp PM	Description	PkgMtlType	Description
DIPG	DIWH-PACK GRP	DIAX	AUXILLARY
DIPG	DIWH-PACK GRP	DICB	CARTON BOX
DIPG	DIWH-PACK GRP	DIPL	Pallets

EWM SIDE:

Step Description	Define Packaging Material Types for Warehousing
Explanation	In this IMG Activity we need to Define Packaging Material Types for Warehousing
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units- Basics- Define Packaging Material Types for Warehousing

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Packaging Material Types in WM

Pkgin...	Description	PM Cat	Tar
DIAX	AUXILIARY	D Auxiliary Packaging Materi	
DICB	CARTON	C Packaging Materials	
DIPL	PALLET	C Packaging Materials	

Change View "Packaging Material Types in WM": Details of Selected Set

Pkging Matl Ty.

Packaging Material Types in WM

Description:

PM Category:

Tare Wt Var. ☐

Closed Pack. ☐

Status Profile:

Delete: ☐

No. Assignment:

PrintDeterminProc:

Size:

Change View "Packaging Material Types in WM": Details of Selected Set

Pkging Matl Ty.

Packaging Material Types in WM

Description:

PM Category:

Tare Wt Var. ☐

Closed Pack. ☐

Status Profile:

Delete: ☐

No. Assignment:

PrintDeterminProc:

Size:

Change View "Packaging Material Types in WM": Details of Selected Set

Pkging Matl Ty.

Packaging Material Types in WM

Description:

PM Category:

Tare Wt Var. ☐

Closed Pack. ☐

Status Profile:

Delete: ☐

No. Assignment:

PrintDeterminProc:

Size:

Step Description	Maintain Allowed Packaging Material Types for Packing Group
Explanation	In this IMG Activity we need to Maintain Allowed Packaging Material Types for Packing Group
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units- Basics- Maintain Allowed Packaging Material Types for Packing Group

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Allowed Pack. Mat. Types for Each Pack...			
	PackGrp	Unit	Pkgin...
	DIPG		DIAX
	DIPG		DICB
	DIPG		DIPL

Step Description	Define Number Range for HU Identification
Explanation	In this IMG Activity we need to Define Number Range for HU Identification
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units- External Identification- Define Number Range for HU Identification

Edit Intervals: HU Identification, Object /SCWM/HUID, Subobject DIWH				
Number Range No.	From No.	To Number	NR Status	External
03	00000000000400000000	00000000000499999999	0	☒
04	00000000000500000000	00000000000599999999	0	☐

Step Description	Assign Number Range Intervals to Packaging Material Types
Explanation	In this IMG Activity we need to Maintain Allowed Packaging Material Types for Packing Group
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units- External Identification- Assign Number Range Intervals to Packaging Material Types

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Interval for Handling Unit Number Rang...		
War...	Pkin...	IntInterval
DIWH	DIAX	04
DIWH	DICB	04
DIWH	DIPL	04

Step Description	Assign Number Range Intervals to Packaging Material Types
Explanation	In this IMG Activity we need to Maintain Allowed Packaging Material Types for Packing Group
T-Code	SPRO
Menu Path	Integration with Other SAP Components-Extended Warehouse Management-Additional Material Attributes-Attribute Values for Additional Material Master Fields- Define Handling Unit Type

Pack material ----> HU Type : 1 : 1

HU Type -----> Pack material : 1 : N

HU TYPES

HU Type Group : Plastic Pallets



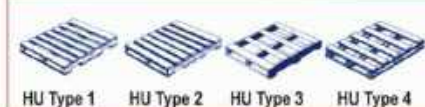
HU Type 5 HU Type 6 HU Type 7

HU Type Group : Cartons



HU Type 8 HU Type 9 HU Type 10

HU Type Group : Wooden Pallets



HU Type 1 HU Type 2 HU Type 3 HU Type 4

Handling Unit Types	
HUTyp	Description
DIH1	Carton Hu type
DIH2	Pallet Hu type
DIH3	Auxiliary HU type

Step Description	Define HU Types Group
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Explanation	In this IMG Activity we need to Define HU Types Group
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units-Basics- Define HU Type Groups



War...	HU Gr	Description
DIWH	DIG1	Cartoon group
DIWH	DIG2	Pallet group
DIWH	DIG3	AUXILARY GROUP

Step Description	Define HU Types for Each Warehouse Number and Assign HU Type Group
Explanation	In this IMG Activity we need to Define HU Types for Each Warehouse Number and Assign HU Type Group
T-Code	SPRO
Menu Path	SCM Extended Warehouse Management-Extended Warehouse Management-Cross-Process Settings- Handling Units-Basics-Define HU Types for Each Warehouse Number and Assign HU Type Group



WhN	HU Type	Description	HU Gr
DIWH	DIH1		DIG1
DIWH	DIH2		DIG2
DIWH	DIH3		DIG3

End of required Configuration.

- Create Material master in MM01

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Create Material CATON DIWH (Packaging)

Additional Data Org. Levels Check Screen Data

Tab: Sales org. 2 Sales General Plant Out. SHP Basic Data Int. Thru. Export Data base Purch...

Gross weight: P.3 Quant./FreeGoodsChk: Material Freight Unit:

Net weight: Availability check: Appl./Jahr res. no.: Batch management: (Batch management) (Batch):

Shipping data (Time in days):

Trans. key: Pict. time: Loading key: Base city: CA

Packaging material data:

Mkt. Exp. Pack. Pctb: Maximum level: Packaging Mat. Type: Stackability factor: Allowed pkg. weight: Gross int. tolerance: Allowed pkg. volume: Gross volume fit: Ref. mat. for pkg: Closed: ☐

Create Material CATON DIWH (Packaging)

Additional Data Org. Levels Check Screen Data

Accounting 2 WH Execution WH Packaging Sep. Valuation Date

Material: CATON DIWH Description: CATON

WH Execution Date:

Handling Unit date: WH Material Group: Warehouse Condition: Standard HU Type: Serial No. Profile: Preferred Unit: Required for HS: ☐

Quality Management: Quantity: Quality Inspection:

Catch Weight Management: Logistics Unit of Measure:

Create Material CATON DIWH (Packaging)

Additional Data Org. Levels Check Screen Data

WH Execution WH Packaging Sep. Valuation Date

Material: CATON DIWH Description: CATON

General Packaging:

Handling Unit Type: Carton HU type: Standard HU Type: Carton HU type: Maximum Capacity: Overlap: Tol: Vols. Tare Weight:

Maximum Packaging:

Pkg. Pack. Length: Pkg. Pack. Width: Pkg. Pack. Height:

Package Building Settings:

Reference Product for Package Building: Product Shape: Product Orientation Profile:

Material CATON DIWH created

Create Product master in tcode /SCWM/MAT1

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Warehouse Product Maintenance

Product: CATON DIWH Base Unit: EA

Product Descrip: CARTON

Warehouse No.: DIWH | Dipl_warehouse_1 DIWH

Disposal Party: 8000001355 PED-DIPL

Properties Units of Meas. Additional GTINs/EANs Classification Pkg Data Storage Whse Data Slotting St. Type Data

Header: basic data

Basic Data: Pack

Packing Group: DIPG

RefP for Pack:

Std HU Type: DIH1

Basic Data: Packaging Material

Pkgg Mat Ty.: DICB HU Type: DIH1

Form Name:

PDF form name:

Capacities

Maximum Weight: 0.000 Excess Wgt Tolerance: 0.0 %

Tare Weight Variable: ☐

Max. Volume: 0.000 Excess Volume Tol.: 0.0 %

Test scenario 1:

Creation of Handling Unit in ERP In Inbound process.

Step 1: Create PO

Standard PO 4500005450 Created by SSHALDAR1

Document Overview On: Messages Personal Setting

PO: 4500005450 Supplier: 8000001355 DIPL-VEB008 DIPL-VEB008 Bus. Date: 05/11/2020

Header

Item	Mat.	Alt.	Short Part	PO Quantity	Deliv. C. Date	Deliv. Date	Net Price	Conds. / Per	CUV. Mat Group	Plant
1	DIPL MAT 1 - GLUE				10/04/2020	10/04/2020	18,000.00	1	EA	Material group 1 Item 01
2	DIPL MAT 2 - GLUE				10/04/2020	10/04/2020	18,000.00	1	EA	Material group 1 Item 02

Save Planning

Item: 1 (1) 23890 DIPL MAT 2 - GLUE

Material Data: Quantities/Weights Delivery Schedule Delivery Invoice Conditions Purchase Order History Texts Delivery Address Contributions Condition Control Serial

Check: Tol. 0.0 % ☐ Unlimited 1st Rem./Exped. 0 2nd Rem./Exped. 0 3rd Rem./Exped. 0 4th Rem./Exped. 0 5th Rem./Exped. 0 6th Rem./Exped. 0 7th Rem./Exped. 0 8th Rem./Exped. 0 9th Rem./Exped. 0 10th Rem./Exped. 0

Order Type: Unrestricted use

Rem. Off. Life: 0

QA Control Key: 0

1st Rem./Exped. 0 2nd Rem./Exped. 0 3rd Rem./Exped. 0 4th Rem./Exped. 0 5th Rem./Exped. 0 6th Rem./Exped. 0 7th Rem./Exped. 0 8th Rem./Exped. 0 9th Rem./Exped. 0 10th Rem./Exped. 0

1st Deliv. Date: 10/04/2020 2nd Deliv. Date: 10/04/2020 3rd Deliv. Date: 10/04/2020 4th Deliv. Date: 10/04/2020 5th Deliv. Date: 10/04/2020 6th Deliv. Date: 10/04/2020 7th Deliv. Date: 10/04/2020 8th Deliv. Date: 10/04/2020 9th Deliv. Date: 10/04/2020 10th Deliv. Date: 10/04/2020

1st Proc. Time: 0 2nd Proc. Time: 0 3rd Proc. Time: 0 4th Proc. Time: 0 5th Proc. Time: 0 6th Proc. Time: 0 7th Proc. Time: 0 8th Proc. Time: 0 9th Proc. Time: 0 10th Proc. Time: 0

1st Deliv. Date: 10/04/2020 2nd Deliv. Date: 10/04/2020 3rd Deliv. Date: 10/04/2020 4th Deliv. Date: 10/04/2020 5th Deliv. Date: 10/04/2020 6th Deliv. Date: 10/04/2020 7th Deliv. Date: 10/04/2020 8th Deliv. Date: 10/04/2020 9th Deliv. Date: 10/04/2020 10th Deliv. Date: 10/04/2020

1st Proc. Time: 0 2nd Proc. Time: 0 3rd Proc. Time: 0 4th Proc. Time: 0 5th Proc. Time: 0 6th Proc. Time: 0 7th Proc. Time: 0 8th Proc. Time: 0 9th Proc. Time: 0 10th Proc. Time: 0

1st Deliv. Date: 10/04/2020 2nd Deliv. Date: 10/04/2020 3rd Deliv. Date: 10/04/2020 4th Deliv. Date: 10/04/2020 5th Deliv. Date: 10/04/2020 6th Deliv. Date: 10/04/2020 7th Deliv. Date: 10/04/2020 8th Deliv. Date: 10/04/2020 9th Deliv. Date: 10/04/2020 10th Deliv. Date: 10/04/2020

1st Proc. Time: 0 2nd Proc. Time: 0 3rd Proc. Time: 0 4th Proc. Time: 0 5th Proc. Time: 0 6th Proc. Time: 0 7th Proc. Time: 0 8th Proc. Time: 0 9th Proc. Time: 0 10th Proc. Time: 0

Step 2: Create inbound delivery in ERP with HU.

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Inbound Delivery Create: Overview

Inbound delv. 1 Document Date 05/13/2022
 Supplier 9000000017 10PL-VENDOR 10PL-VENDOR, 12345, An 12345, USA

Item Overview | Unload | Stock placement | Status Overview | Goods Movement Data

Delivery Date 05/13/2025 00:00 PST Total Weight 100
 Actual GR date 00:00 No. of Packages

Item	Material	Delivery Quantity	BU	Detail	Item Description	Stk	Stk	P. Vt
10	15460	2	SA		DEPL MAT 2 - GLASS		11,7	

Processing of Handling Units for Inbound Delivery \$ 1

Pack Material | Pack HUs | Packing Proposal | Single Entry | Total Content

All existing HUs (available for packing)

Handling Unit	Packaging Materials	Total Weight	Loading Weight	All. Loading Wt
400000483	CATON DIWR			

per part. qty per x HUs if full W/Vol APM Gen.

Material to be Packed

Material	Partial Qty	Total Quantity
20690	2	2

Processing of Handling Units for Inbound Delivery \$ 1

Pack Material | Pack HUs | Packing Proposal | Single Entry | Total Content

All existing HUs (available for packing)

Handling Unit	Packaging Materials	Total Weight	Loading Weight	All. Loading Wt
400000483	CATON DIWR	4	4	

New HU per x HUs If Full W/Vol APM Gen.

All HUs that can be packed

Handling Unit	Packaging Materials	Total Weight	Loading Weight	All. Loading Wt
400000483	CATON DIWR	4	4	0

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Performance Assistant

Inbound Delivery 180005176 was saved and distributed to the WMS

Message No. VL337

Diagnosis

The delivery document 180005176 is relevant for processing in the decentralized **Warehouse Management system**. After it is saved, the delivery is then sent as an **IDoc** to this system.

System Response

The delivery can no longer be processed in the central system.

Step 3: Inbound delivery in EWM - /SCWM/PRDI

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Inbound Delivery

Show: Find: DOCNO_ID Inbound Delivery

Transp. In Yard Transit Procedure Reject Unload Goods Receipt

Mode	Blocked Document	Manually Doc. Cat. Descr.	Doc. Type Descr.	Whse No.	GR Office	ASN Whse Descr.	Unload pt.	Goods Rcpt	Unloading	Putaway	Transit S.	Whse Act.	Incoterms	Descript.	Inco.	2 Inco.	V
✓	180005176	Inbound Delivery	Inbound Delivery DIWH	SCU-DIWH				Not Started	Not Started	Not Started	In Transit	Not Started					

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts HU Transportation Unit Validation PPF Actions

Batches Process Codes BBD/Tolerance

Item	Mode	Blocked Item	Stock Type	Level	Product	Proc. Type	StgArea	Grp	StgArea	Stag.	Bay	GM Bin	Whse	Door	Disposal	Party	Batch	Quantity	Unit	PackStatus	Goods Rcpt	Unloading	Putaway	Whse Act.	P
✓	10	F1	25690	2010			GR-ZONE										8000001355	2	EA	Completed	Not Started	Not Started	Not Started	Not Started	

HU MANAGEMENT

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Inbound Delivery

Show: Find: DOCNO_ID Inbound Delivery 180005176 Open Advanced Search

Transit In Yard Transit Procedure Reject Unload **Goods Receipt**

Mode/Blocked Document: 180005176 Inbound Delivery Inbound Delivery DIWH SCU-DIWH Not Started Not Started Not Started In Transit Not Started

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts **HU** Transportation Unit Validation PPF Actions

Goods Receipt

HU	Pack. Material	PackM Text	Cross-D	HU Int. Stat.	Total Wght	Un	Total Vol.	VUn	WHN	L	W	H	Unit	LcType	Type	Bin	StSec
400000483	CATON DIWH	CARTON		A	4 KG		0 L		DIWH	0	0	0	M	L			

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Inbound Delivery

Show: Find: DOCNO_ID Inbound Delivery 180005176 Open Advanced Search

Transit In Yard Transit Procedure Reject Unload **Goods Receipt**

Mode/Blocked Document: 180005176 Inbound Delivery Inbound Delivery DIWH SCU-DIWH **Completed** Not Started Not Started Registered in Yard Partially Completed

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts **HU** Transportation Unit Validation PPF Actions

Goods Receipt

HU	Pack. Material	PackM Text	Cross-D	HU Int. Stat.	Total Wght	Un	Total Vol.	VUn	WHN	L	W	H	Unit	LcType	Type	Stor. Bin	StSec
400000483	CATON DIWH	CARTON		B	4 KG		0 L		DIWH	0	0	0	M	B	GR21 GR-ZONE 0001		

Create Warehouse Task

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Inbound Delivery

Save Ctrl+S

Follow-On Functions

Warehouse Task Ctrl+F1

Unload Ctrl+F2

Pack Ctrl+F3

Return to Vendor Ctrl+F4

Number DIWH (Time Zone PST)

Show Find DOCNO_ID Inbound Delivery 180000176 Open Advanced Search

Transit Procedure Reject Unload Goods Receipt

Mode Blocked Document Manually Doc. Cat. Descr. Doc. Type Descr. Whse No. GR Office ASN Whse Door Unload.pt. Goods Rcpt Unloading Putaway Transit Status Warehouse Activity Incoterms Descr

180000176 Inbound Delivery Inbound Delivery DIWH SCU-DIWH Completed Not Started Not Started Registered in Yard Partially Completed

Items Status Dates/Times Locations Partner Reference Documents Add Quantities Texts HU Transportation Unit Validation PPF Actions

Goods Receipt

HU	Pack. Material	PackM Text Cross-D	HU Int. Stk	Total Wght Un	Total Vol. VUn	WHN	L W	H Unit	LoType	Type	Stor. Bin	StSec
400000483	CATON DIWH	CARTON	B	4 KG	0 L	DIWH	0 0 0 M	B	GRZ1	GR-ZONE 0001		

Create Warehouse Task - Whse. DIWH (Time Zone PST) - Putaway

Putaway Stock Removal Posting Change Stock Transfer

Show Find DLVNO Warehouse Request 180000176 Open Advanced Search

Warehouse Request Handling Units

Create + Save Create Delete

Status	Whse Req.	Item Proc.	Type	Reqd Qty	Unit	Req. Qty	BLN	OpenQty	BLN	OpenQty	ALN	ASN	Product	Product Description	Batch ST	Description	Stock Type	Disposal Party	Description of Party B
180000176	10	2010	2	EA	2	EA	2	EA	2	EA	2	EA	25690	DIPL MAT 2 - GLASS	F1	Unrestricted-Use in Putaway	8000001355	PED-DIPL	PED-DIPL

Warehouse Task Default Values Stk Can Be Added Other Stock Palatization

Warehouse Request 180000176 10

New Item Delete

C No Prc Stk SSTG Type Sec. Source Storage Bin Internal Source TU Source Transportation Unit Source Center From-Carrier Name Source Handling Unit OSTG Type Sec. Destination Bin Dest. Handling Unit Src Trgt

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Create Warehouse Task - Whse. DIWH (Time Zone PST) - Putaway

Putaway Stock Removal Posting Change Stock Transfer

Warehouse Request Handling Units

Create + Save Create Delete

Status	Whse Req.	Item	Proc.	Type	Reqd Qty	Unit	Req. Qty	BU	OpenQty	BU	BU	OpenQty	AL	Product	Product Description	Batch	ST	Description	Stock Type	Disposal Party	Description of Party	Entitled to Dis
	180005176	10	2010		2	EA	2	EA	0	EA		0	EA	25690	DIPL MAT 2 - GLASS	F1		Unrestricted-Use in Putaway	0000001355	PED-DIPL	PED-DIPL /	

Warehouse Task Default Values Stk Can Be Added Other Stock Palletization

Warehouse Request 180005176 10

New Item Delete

C	No	Prc	StC	SSTG	Type	Sec.	Source	Bin	Int.Src	TU	Source	TU	Src	Car	From	CrName	Source	HU	DSTG	Type	Sec.	Dest.	Bin	Dest.HU	SrcTgtQty	BU	SrcTgtQty	AL	F	HU
							GRZ1	0001	GR-ZONE									400000483	RAC1	GLAS		01-01-01		2	EA	2	EA		DIP	

Warehouse Task Edit Goto Environment Settings System Help

- Create with Reference
- Create without Reference
- Confirm Ctrl+F3
- Save Ctrl+S
- Exit Shift+F3

Create Warehouse Task - Whse. DIWH (Time Zone PST) - Putaway

Putaway Stock Removal Posting Change Stock Transfer

Warehouse Request Handling Units

Create + Save Create Delete

Status	Whse Req.	Item	Proc.	Type	Reqd Qty	Unit	Req. Qty	BU	OpenQty	BU	BU	OpenQty	AL	Product	Product Description	Batch	ST	Description	Stock Type	Disposal Party	Description of Party	Entitled to Dis
	180005176	10	2010		2	EA	2	EA	0	EA		0	EA	25690	DIPL MAT 2 - GLASS	F1		Unrestricted-Use in Putaway	0000001355	PED-DIPL	PED-DIPL /	

Warehouse Task Default Values Stk Can Be Added Other Stock Palletization

Warehouse Request 180005176 10

New Item Delete

C	No	Prc	StC	SSTG	Type	Sec.	Source	Bin	Int.Src	TU	Source	TU	Src	Car	From	CrName	Source	HU	DSTG	Type	Sec.	Dest.	Bin	Dest.HU	SrcTgtQty	BU	SrcTgtQty	AL	F	HU	Type	Reason	Reason	Disc	Batch	GR	Date
							GRZ1	0001	GR-ZONE									400000483	RAC1	GLAS		01-01-01		2	EA	2	EA		DIP								

Warehouse order 90126 created

SAP

S4H (1) 100 sapsrver OVR

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Confirm Warehouse Task in Whse. DIWH (Time Zone PST)

Show: Find:

Confirm + Save Confirm Confirm in Foreground Cancel Start WO Process WTs f. Non-SAP Systems

Mode	Whse	Order	WO	Status	Archive	ES	Inv.	LM	Actn	Resource Q	Start	Start Time	Fixed	Conf.	Conf.	Conf. By	Wave	Acty	Area	WO	Cr.	Re	P	Exec	Time	Time	Creation	Date	Created
90126	Open										00:00:00			00:00:00		RAC1	DEF							0	MIN	05/14/2025	03:52:11		

Product WT HU WT Pick-HU

Confirm Confirm in Foreground Cancel Split Request Zero Stock Check Create Correct the Confirmation Reset

Mode	Warehouse	Task	Item	WT	Status	C	SN	Proc.	Type	S.	ES	Acty	Area	P1	Planned	P1	Done	CR	Product	Batch	Doc.	Batch	Type	Sec.	Dest.	Bin	Size	Tgt	Qty	Diff	All	Alu	Act	D.	Qty	Dest.
128	Open																		25690		RAC1		GLAS		01-01-01		2									

Confirm Warehouse Task in Whse. DIWH (Time Zone PST)

Show: Find:

Confirm + Save Confirm Confirm in Foreground Cancel Start WO Process WTs f. Non-SAP Systems

Mode	Whse	Order	WO	Status	Archive	ES	Inv.	LM	Active	Processor	Resource	Q	Start	Date	Start	Time	Fixed	Conf.	Date	Conf.	Conf. By	Wave	Acty	Area	WO	Cr.	Re	P	Exec	Time	Time	Ch					
90126	Confirmed												05/14/2025		03:53:03			05/14/2025	03:53:03		SSHALDAR1																

Product WT HU WT Pick-HU

Confirm Confirm in Foreground Cancel Split Request Zero Stock Check Create Correct the Confirmation Reset

Mode	Warehouse	Task	Item	WT	Status	C	SN	Proc.	Type	S.	ES	Acty	Area	P1	Planned	P1	Done	CR	Product	Batch	Doc.	Batch	Type	Sec.	Dest.	Bin	Size	Tgt	Qty	Diff	All	Alu	Act	D.	Qty	Dest.		
129	Confirmed																		25690		RAC1		GLAS		01-01-01		2											

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Show: Find:

Transp. In Yard Transit Procedure Reject Unload Goods Receipt

Mode	Blocked	Document	Manually	Doc.	Cat.	Desc.	Doc.	Type	Desc.	Whse	No.	GR	Office	ASN	Whse	Door	Unload	Goods	Receipt	Unloading	Putaway	Transit	Status	Whse	Act.	Inco	Terms	Descript.	Inco.	
180005176		Inbound Delivery	Inbound Delivery	DIWH						SCU-DIWH								Completed	Not Relevant	Completed		Registered in Yard	Completed							

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts HU Transportation Unit Validation PPF Actions

Batches Process Codes BSD/Tolerance

Mode	Blocked	Item	Stock	Type	Level	Product	Proc.	Type	Stp	Area	Grip	Stp	Area	Stag.	Bay	GM	Bin	Whse	Door	Dispose	Party	Batch	Quantity	Unit	Pack	Status	Goods	Rcpt	Unloading	Putaway	Whse	Act.	P
10	P1					25690												GR-ZONE				8000901355		2	EA	Not Started	Completed	Not Relevant	Completed	Completed			

HU MANAGEMENT

Test scenario 2:

Creation of Handling Unit in EWM In Inbound process.

Step 1: Create PO

[illegible]

Step 2: create inbound delivery in ERP – VL31N

Inbound Delivery Create: Overview

Feed Controls Toolbar

Inbound delv.	\$ 1	Document Date	05/14/2023
Supplier	S000000017		DIDL-VENDOR DIDL-VENDOR, 12345, AK 12345, USA

Item Overview Shipment Unload Stock placement Status Overview Goods Movement Data

Delivery Date: 05/14/2023 06:00 PST Total Weight: 1.6 KG
Actual GR date: 06:00 No. of Packages:

All Items

Item	Material	Delivery Quantity	SU	Detail..	Item Description	B..	INCB	P.. W
20	25690	4	EA		DIDL MAT 2 - GLASS		EIN	-
30	25690	4	EA		DIDL MAT 2 - GLASS		EIN	-

Batch Split Main Items All items Batch creation SC Components

Inbound Delivery 180005182 was saved and distributed to the WMS

Message No. VL337

Diagnosis

Step 3: EWM Inbound delivery

HU MANAGEMENT

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Inbound Delivery

Show: Find: DOCNO_ID Inbound Delivery 180005182 Open Advanced Search

TransPI In Yard Translt Procedure Reject Unload Goods Receipt

Mode	Blocked	Document	Manually Doc.	Cat.	Descr.	Doc. Type	Desc.	Whse No.	GR Office	ASN	Whse Door	Unload pt.	Goods Rcpt	Unloading	Putaway	Transit S.	Whse Act.	Incoterms	Descript.	Inco.
180005182		Inbound Delivery	Inbound Delivery	DIWH	SCU-DIWH	PACK - HU2							Not Started	Not Started	Not Started	In Transit	Not Started			

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts HU Transportation Unit Validation PPF Actions

Batches Process Codes BBD/Tolerance

Mode	Blocked	Item	Stock	Type	Level	Product	Proc.	Type	Stg/Area	Grp	Stg/Area	Stag.	Bay	GM Bin	Whse Door	Disposal	Party	Batch	Quantity	Unit	PackStatus	Goods Rcpt	Unloading	Putaway	Whse Act.	F
10	F1					25690	2010							GR-ZONE			8000001355		4	EA	Not Started	Not Started	Not Started	Not Started	Not Started	
20	F1					25690	2010							GR-ZONE			8000001355		4	EA	Not Started	Not Started	Not Started	Not Started	Not Started	

Packing In EWM

Inbound Delivery Edit Goto Environment Settings System Help

Save Ctrl+S Follow-On Functions Warehouse Task Ctrl+F1 Unload Ctrl+F2 Back Ctrl+F3 Return to Vendor Ctrl+F4 Exit Shift+F3

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Show: Find: DOCNO_ID Inbound Delivery 180005182 Open Advanced Search

TransPI In Yard Translt Procedure Reject Unload Goods Receipt

Mode	Blocked	Document	Manually Doc.	Cat.	Descr.	Doc. Type	Desc.	Whse No.	GR Office	ASN	Whse Door	Unload pt.	Goods Rcpt	Unloading	Putaway	Transit S.	Whse Act.	Incoterms	Descript.	Inco.
180005182		Inbound Delivery	Inbound Delivery	DIWH	SCU-DIWH	PACK - HU2							Not Started	Not Started	Not Started	In Transit	Not Started			

Items Status Dates/Times Locations Partner Reference Documents Addtl Quantities Texts HU Transportation Unit Validation PPF Actions

Batches Process Codes BBD/Tolerance

Mode	Blocked	Item	Stock	Type	Level	Product	Proc.	Type	Stg/Area	Grp	Stg/Area	Stag.	Bay	GM Bin	Whse Door	Disposal	Party	Batch	Quantity	Unit	PackStatus	Goods Rcpt	Unloading	Putaway	Whse Act.	F
10	F1					25690	2010							GR-ZONE			8000001355		4	EA	Not Started	Not Started	Not Started	Not Started	Not Started	
20	F1					25690	2010							GR-ZONE			8000001355		4	EA	Not Started	Not Started	Not Started	Not Started	Not Started	

HU MANAGEMENT

Work Center Packing for Inbound Delivery (Time Zone PST)

Create HU Repack HU Repack Product Change HU

Warehouse/HU/Item	Product	PckQty	Alt. Unit	Alt. Unit	Quantity
DIWH					
DIPL MAT 2 - GLASS	25690	4	EA	4	4 E
DIPL MAT 2 - GLASS	25690	4	EA	4	4 E

HU:

Pack. Material:

HU/Storage Bin:

Cons.Grp:

Number of HUs:

Collective HU:

Execute

Work Center Packing for Inbound Delivery (Time Zone PST)

Create HU Repack HU Repack Product Change HU

Warehouse/HU/Item	Product	PckQty	Alt. Unit	Alt. Unit	Quantity	BUoM	Pack.Mat.	Prod.Desc.
DIWH								
DIPL MAT 2 - GLASS	25690	4	EA	4	4 EA		DIPL MAT 2 - GLASS	
DIPL MAT 2 - GLASS	25690	4	EA	4	4 EA		DIPL MAT 2 - GLASS	
500000000	CARTO...						CARTON ...	CARTON 1
500000001	CARTO...						CARTON ...	CARTON 1

HU:

Pack. Material:

HU/Storage Bin:

Cons.Grp:

Number of HUs:

Collective HU:

Drag and drop the product in HU.

HU MANAGEMENT

Work Center Packing for Inbound Delivery (Time Zone PST)

Warehouse/HU/Item Pr... PckQty Alt. Unit Quantity-Bu/H

Warehouse/HU/Item	Pr...	PckQty	Alt. Unit	Quantity-Bu/H
DIWH				
DIPL MAT 2 - GLASS		4 EA		0 EA
DIPL MAT 2 - GLASS		4 EA		0 EA
500000000 DIWH				
DIPL MAT 2 - GLAS		4 EA		4 EA
500000001 DIWH				
DIPL MAT 2 - GLAS		4 EA		4 EA

Capacity Detail 1 Detail 2 Content

Line Category Product Partial Quantity

Line Category	Product	Partial Quantity
	15690	0

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Show Find DOCNO_ID Inbound Delivery 180005182 Open Advanced Search

Transit In Yard Transit Procedure Reject Unload Goods Receipt

Mode/Blocked Document	Manually Doc. Cat. Descr.	Doc. Type Descr.	Whse No. GR Office	ASN	Whse Door/Unload pt.	Goods Rpt Unloading	Putaway	Transit S.	Whse Act.	Incoterms Descrpt. Inco.
180005182	Inbound Delivery	Inbound Delivery DIWH	SCU-DIWH	PACK - HU2		Not Started	Not Started	Not Started	In Transit	Not Started

Items Status Dates/Times Locations Partner Reference Documents Addnl Quantities Texts HU Transportation Unit Validation PDF Actions

Goods Receipt

HU	Packaging Material	PackM Text	Cross-D	HU Int. Stat.	Total Weight	Unit	Total Vol.	Volum Wh/H	L	W	H	Unit	LcType	Type	Bin	StSec
500000000	CARTON DIWH	CARTON 1		A	16	KG	0	L	DIWH	0	0	0	M	L		
500000001	CARTON DIWH	CARTON 1		A	16	KG	0	L	DIWH	0	0	0	M	L		

You can post GR for single HU in Item level.

Maintain Inbound Delivery - Warehouse Number DIWH (Time Zone PST)

Show Find DOCNO_ID Inbound Delivery 180005182 Open Advanced Search

Transit In Yard Transit Procedure Reject Unload Goods Receipt

Mode/Blocked Document	Manually Doc. Cat. Descr.	Doc. Type Descr.	Whse No. GR Office	ASN	Whse Door/Unload pt.	Goods Rpt Unloading	Putaway	Transit Status	Warehouse Activity	Incoterms
180005182	Inbound Delivery	Inbound Delivery DIWH	SCU-DIWH	PACK - HU2		Completed	Not Started	Not Started	Registered in Yard	Partially Completed

Items Status Dates/Times Locations Partner Reference Documents Addnl Quantities Texts HU Transportation Unit Validation PDF Actions

Goods Receipt

HU	Packaging Material	PackM Text	Cross-D	HU Int. Stat.	Total Weight	Unit	Total Vol.	Volum Wh/H	L	W	H	Unit	LcType	Type	Bin	StSec
500000000	CARTON DIWH	CARTON 1		B	16	KG	0	L	DIWH	0	0	0	M	B	GR21	GR-ZONE 0001
500000001	CARTON DIWH	CARTON 1		B	16	KG	0	L	DIWH	0	0	0	M	B	GR21	GR-ZONE 0001

Create warehouse task and confirm

HU MANAGEMENT

Confirm Warehouse Task in Whse. DIWH (Time Zone PST)

Show Find

Confirm + Save Confirm Confirm in Foreground Cancel Start WO Process WTs f. Non-SAP Systems

Mode	Whse Order	WO Status	Archive	ES	Inv.	LM Active	Processor	Resource	Q	Start Date	Start Time	Fixed	Confirm Date	Conf.	Conf. By	Wave	Acty Area	WO Cr.	Rle P	Exec Time	Time	Creation Date	Created
90127	Open									00:00:00			00:00:00			RAC1	DEF			0	MIN	05/14/2025	04:11:20

Product WT HU WT Pick-HU

Confirm Confirm in Foreground Cancel Split Request Zero Stock Check Create Correct the Confirmation Reset

Mode	Warehouse Task	Item	WT	Status	C	SN	Proc.	Type	S	ES	Acty Area	Planned	Pl Done	CR	Product	Batch	Doc.	Batch Type	Sec.	Dest. Bin	SrceTgtQty	Diff	All	Act D.	Qty	Dest.
129	Open	1	2010								RAC1				25690			RAC1	GLAS	01-01-01	4		EA	0		
130	Open	1	2010								RAC1				25690			RAC1	GLAS	01-01-01	4		EA	0		

Confirm Warehouse Task in Whse. DIWH (Time Zone PST)

Show Find

Confirm + Save Confirm Confirm in Foreground Cancel Start WO Process WTs f. Non-SAP Systems

Mode	Whse Order	WO Status	Archive	ES	Inv.	LM Active	Processor	Resource	Q	Start Date	Start Time	Fixed	Confirm Date	Conf.	Conf. By	Wave	Acty Area	WO Cr.	Rle P	Exec Time	Time	Creation Date	Created	
90127	Confirmed									05/14/2025	04:12:01		05/14/2025	04:12:01	SSHALDAR1	RAC1	DEF			0	MIN	05		

Product WT HU WT Pick-HU

Confirm Confirm in Foreground Cancel Split Request Zero Stock Check Create Correct the Confirmation Reset

Mode	Warehouse Task	Item	WT	Status	C	SN	Proc.	Type	S	ES	Acty Area	Planned	Pl Done	CR	Product	Batch	Doc.	Batch Type	Sec.	Dest. Bin	SrceTgtQty	Diff	All	Act D.	Qty	Dest.
129	Confirmed	1	2010								RAC1				25690			RAC1	GLAS	01-01-01	4		EA	4		
130	Confirmed	1	2010								RAC1				25690			RAC1	GLAS	01-01-01	4		EA	4		