

# DOCUMENTATION WAREHOUSE GOODS RECEIPT NEPTUNE APPLICATION

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## 1. General information

This mobile application supports the SAP process Goods receipt for purchase order with use of vendor pallet label. It supports handling unit management storage location and non handling unit managed.

The advantage of this application:

- Reuse vendor pallet label (no process for print new label)
- Automatic goods receipt by scanning vendor label
- Flexible maintenance for the content of vendor label

## 2. User parameters

User parameters used as default values in the application:

- DYL – Default Neptune language (E = English)

## 3. Customizing of the application

- In transaction STVARV you need to add the parameter /S5C/WM\_PROD\_LAB\_OUTPUT with value warehouse and pallet label output type (xxx\_xxxx). This output is automatic triggered if the pallet label from vendor can't be scanned. Example

**Display Table TVARVC: Selection Variables**

Individual maintenance

Contents of Table TVARVC  Include changed entries in transport request

Parameter Selection Options

Name	Val.
/S5C/WM_PROD_LAB_OUTPUT	399_Z052

- When doing goods receipt the standard IDOC with message type WMMBXY is used. This means that partner is needed setup in transaction WE20.

Partner No. WMS WMS  
 Partn.Type LS Logical system  
 Partner Role

Message type WMMBXY IDoc report: goods moven  
 Message code   
 Message function  Test

Inbound options Post processing: permitted agent Telephony

Process code WMMBXY WMMBXY IDOC Report goo  
 Cancel Processing After Syntax Error

Processing by Function Module  
 Trigger by background program  
 Trigger Immediately

Options

In the method POST\_GOODS\_RECEIPT in class /S5C/CL\_WM\_GOODS\_RECEIPT parameters for the IDOC processing is needed changed according to the system setup. That is sy-sysid, edidc-rcvpor and edidc-sndpor.

- To be able to use external handling units in SAP when doing goods receipt, it is needed use of enhancement implementation. Enhancement spot ES\_SAPLV51P in program SAPLV51P, function module V51P\_PACKING\_DETERMINATION (transaction SE19).

Example code where plant and storage location for the goods receipt is hardcoded:

```

ENHANCEMENT-POINT V51P_PACKING_DETERMINATION_01 SPOTS ES_SAPLV51P STATIC.
*$$$-Start: V51P_PACKING_DETERMINATION_01-----
-----$$$*
ENHANCEMENT 65 EXTERNAL_SSCC. "active version
* Set SSCC like ABLAD WM
  LOOP AT IT_KOMPV INTO LS_KOMPV WHERE VELIN = '1'.
    IF LS_KOMPV-werks EQ '3999' AND
    LS_KOMPV-lgort = '0002'.
      GS_HEADER51-EXIDV_HIGH = ls_KOMPV-ABLAD.
    ENDIF.
  
```

- Transaction /S5C/WM\_BARCODES. The transaction goods receipt for purchase order is based on scanning the vendors pallet label. It is then a table for maintaining how the barcodes for the

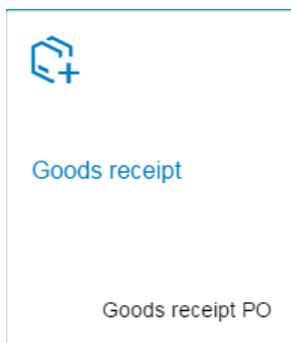
vendor pallets are defined. You define vendor and the number of barcodes on the label. Define where the different information is in the barcode label.

**Change View "Maintenance of vendor specific labels": Overview**

New Entries 

Maintenance of vendor specific labels												
Counter	Vendor	Barcode no	GTIN start	GTIN lngth	Qty start	Qty length	SSCC start	SSCC lngth	Batch strt	Batch lngt	Date start	Date lngth
1	400011	1	2	13	25	5					17	6
2	400011	2							2	10		
3	400011	3					0	20				

## 4. Goods receipt purchase order



Goods receipt

Purchase order:

Delivery note:

Barcode 1:

Barcode 2:

Barcode 3:

This is used for executing goods receipt with use of external vendor pallet label. It automatic calculates the number of pallets for the combination Purchase order and Delivery Note both on header an item level. Then you will have an overview of how many pallets that are scanned.

The user input purchase order and delivery note from vendor and scan the barcodes on the label. The label needs to include GTIN, quantity, expiration date, batch and SSCC-number in barcode for using this functionality. If the materials in SAP is not batch managed, the batch is not needed in the vendor label.

 Goods receipt

400011 WRIGLEY SCANDINAVIA A/S - Pallets verified: 6

Purchase order: 4500017467	Delivery note: 1234567	Change
Barcode 1: 	Barcode 2:	Barcode 3:

✓ Goods Receipt Posted

Details

Material: <b>2060 EXTRA EUCALYPTUS</b>	Full pallet qty: <b>47520</b>
Plant: <b>3999</b>	GR qty: <b>47520</b>
Storage location: <b>0002</b>	Verified pallets: <b>7</b>

When you have scanned and everything is OK, inbound delivery is created. If some of the barcodes can't be scanned, the user can input the data manually and receive a label print from SAP.