

LE Logistics Execution

SAP ERP Central Component
Release 6.0

Release Notes



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14 LE Logistics Execution

14.1 LE-IDW Decentralized WMS integration

14.1.1 Partial goods receipt in the decentralized Warehouse Management System (new)

Use

As of SAP ECC 6.00, you can post partial goods receipts for a delivery in the decentralized Warehouse Management System (WMS) and verify to the ERP system. In this way, partial quantities that have been put away can be created promptly in the inventory management of the ERP system.

The posting of partial goods receipts is possible when verifying individual transfer orders and transfer order items, as well as when verifying entire handling units.

If the inbound deliveries do not contain any handling units, you can also work with the delivery monitor when posting partial goods receipts. In addition, you have the option of posting a goods receipt for the entire remaining quantity of an inbound delivery. The inbound delivery and the goods receipt are automatically closed as soon as the last partial goods receipt has been verified.

For more information, see the documentation for BAPI for Inbound Delivery Verification from a Decentralized System.

14.2 LE-WM Warehouse Management

14.2.1 New Organizational Structures in the Warehouse

Description

In Warehouse Management in the SAP ERP System, the warehouse number is the highest and most important organizational unit. In order to ensure more efficient processes for goods receipt and goods issue, the following organizational units are available in the warehouse in Release 4.0A.

- Gate

A gate in a warehouse can be used for both receiving and issuing goods. In Customizing it is possible to restrict the area of usage to either receipt or issue. The gate from which delivery takes place is already defined in the delivery. The gate can be automatically determined (for example, according to the customer) for each delivery.

- Picked items zone
A picked items zone is the area of a warehouse in which the goods are temporarily stored after unloading/before loading. In Customizing, picked items zones are assigned to the corresponding gates. The picked items zone can be automatically determined from the respective gate.

- Picking area
The picking area groups together storage bins according to perspectives of stock removal. This means that a picking area constitutes the opposite of the storage section, which groups together storage bins according to perspectives of stock placement. A delivery, for example, can be divided up over various picking areas in order to enable parallel picking.

Effects on Customizing

In Customizing, the following activities are to be performed:

- Define gates
- Define picked items zones
- Determine gates and picked items zones
- Define picking areas

14.3 LE-SHP Shipping

14.3.1 Inbound Delivery

Description

In the Logistics Execution application component, the inbound delivery is available in the system as of Release 4.5A. In connection with this, we have redefined the term for the shipping notification. The term "shipping notification" has been changed to "inbound delivery" whenever we mean the document. It will be used in the communication environment for output. The inbound delivery stands for the delivery materials that will be received at the goods receipt door. Using the inbound delivery, for example, you can now communicate with the WM system, transmit batch information, and even post goods receipt movements directly.

The following new functions are now available with the inbound delivery:

1. Transfer order for inbound delivery
Similar to the outbound delivery, the inbound delivery stands for a request to the warehouse to place goods into storage. From the inbound delivery, you can create a transfer order for the putaway procedure.

2. Putaway screen
In the stock putaway screen, you can enter the putaway quantity if you do not have the Warehouse Management system implemented and if the items are relevant for picking.
3. Batch information
The batch split that has already been possible in the outbound delivery is now also possible in inbound deliveries since the batches are often only known when the inbound delivery exists.
4. Inventory management of shipping materials
Not only can you pack the goods, you can also generate the shipping materials on the basis of the individual items, just like with the outbound delivery. Since no maintenance of the sales view is required in the material master for the inbound delivery, you can maintain a general item category group in the material master (for example, NORM). This group is independent of the sales area. If you have set plant determination additionally in the shipping material type, the system will create an item. When you post goods receipt within the inbound delivery (VL32), the system posts the shipping materials to stock in accordance with the movement type.
5. Goods receipt for inbound delivery
In the inbound delivery menu, there is a special menu option for directly posting the goods receipt for the inbound delivery (VL32) and for the collective processing run.
6. Order confirmation Define inbound delivery
Using this key you can set the system so that planned inbound deliveries can be created in collective processing.
7. Inbound delivery monitor
The new functions for displaying and processing open and complete deliveries are available for inbound deliveries to the same degree as for outbound deliveries. In addition to extended selection options, you also have the option of selecting a worklist, with several follow-on functions for subsequent processing of the inbound deliveries. All this information is provided in the inbound delivery environment.
8. Status Information
The following statuses are updated in the same way as the outbound delivery:
 - a) Putaway status
 - b) Warehouse status
 - c) Goods movement status
9. Determination of goods receiving point
10. Incompletion log
11. Change-documents
12. Document flow for inbound delivery
Similar to the outbound delivery, the inbound delivery is integrated into the document flow under the menu option "Environment".
13. New search help for inbound deliveries
There is a new search help with the identification "D". This is provided for the external identification of the inbound delivery (delivery number of vendor). Up to now, you used the search help "A", but this is reserved in future for decentralized warehouse management.

Changes to the Interface

As of Release 4.5A, there is a special menu option for Inbound Delivery (VL30) under Logistics Execution. In this menu, all the functions for inbound delivery, customer returns, goods receipt posting, and stock putaway are integrated.

14.3.2 LE-SHP-GF Basic Functions

14.3.2.1 New Organizational Structures in the Warehouse

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The picking area groups together storage bins according to perspectives of stock removal. This means that a picking area constitutes the opposite of the storage section, which groups together storage bins according to perspectives of stock placement. A delivery, for example, can be divided up over various picking areas in order to enable parallel picking.

Effects on Customizing

In Customizing, the following activities are to be performed:

- Define gates
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14.3.3 LE-SHP-DL Delivery Processing

14.3.3.1 New BAPI in Shipping (New)

Use

As of *SAP ECC 6.0 (SAP_APPL 600)*, delivery processing in shipping includes the following new methods (BAPI). The names of the function modules are in shown in brackets.

- Business Object *DeliveryProcessing* (object type BUS6050 - Delivery Processing)
 - DeliveryGetlist (BAPI_DELIVERY_GETLIST)
BAPI for reading delivery data

To display, choose *Tools -> Business Framework -> BAPI Explorer*.