



Infor LN Warehousing User Guide for Warehousing Orders

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About this Guide

Objectives

The objectives of this book are to describe the purpose and the use of warehousing orders.

References

Use this guide as the primary reference for warehousing orders. Use the current editions of these documents for information that is not covered in this guide:

- *User Guide for Warehousing Procedures*
- *User Guide for Warehouses*
- *User Guide for the Inbound Goods Flow (U9788 US)*
- *User Guide for the Outbound and Shipments Goods Flows (U9794 US)*
- *User Guide for Warehousing Inspections (U9875 US)*
- *User Guide for Warehousing Quarantine Handling (U9876 US)*
- *Infor LN Warehousing - User Guide for Multisite*

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Chapter 1: Introduction

Warehousing orders

Every inventory transaction in Warehousing is initiated and controlled by a *warehousing order*. From a simple *transfer* to a complicated *receipt*, one or more warehousing orders control the movement of inventory and account for it. Warehousing orders can be generated either manually in Warehousing or automatically from within other LN packages or modules. For example, a sales order can automatically trigger a warehousing order of type **Issue**. A purchase order can automatically trigger an order of type **Receipt**. The Inventory Planning module of Warehousing tracks planned inventory transactions, which are converted to warehousing orders.

Why warehousing orders?

Warehousing orders are needed to register different types of inventory transactions. These orders are also needed to centralize warehousing activities, such as the following:

- Registering actual issues and receipts
- Printing warehousing documents
- Confirming and approving issues and receipts
- Tracking warehousing transactions

Warehousing order characteristics

A warehousing order can contain multiple *warehousing-order lines*. Each warehousing order line can contain only one item. The various order lines of one warehousing order can contain different items or the same items.

The *inventory transaction type* of a warehousing order is determined by the originating order from which the warehousing order results. If you manually enter a warehousing order, you must manually specify the inventory transaction type.

The *warehousing order type* of a warehousing order determines the default *warehousing procedure* to handle inventory transactions, but for individual warehousing orders or warehousing order lines of this order type you can adjust the default procedure. For manually created warehousing orders, you must manually specify the warehousing order type. For warehousing orders generated from orders originating from other packages, LN retrieves the warehousing order type as follows:

- If the order origin is **Purchase** or **Purchase Schedule** and the order origin has a purchase order type to which a warehousing order type is linked, LN retrieves this warehousing order type for the warehousing order. You can link a warehousing order type to a purchase order type in the **Purchase Order Types (tdpur0194m000)** session.

- If the order origin is **Sales** or **Sales Schedule** and the order origin has a sales order type to which a warehousing order type is linked, LN retrieves this warehousing order type for the warehousing order. You can link a warehousing order type to a sales order type in the **Sales Order Types (tdsls0594m000)** session.
- In all other cases, even if no warehousing order type is specified in the above mentioned cases, the warehousing order type is determined by the inventory transaction type. You can specify the default warehousing order type for each inventory-transaction type in the **Default Order Types by Origin (whinh0120m000)** session.

Note: For warehousing orders having order origin **Sales**, **Sales Schedule** and the orders that are created manually, you can change the outbound order line data based on the value you set for the **Allow Updating Outbound Order Lines up to and including** field in the **Warehousing Order Types (whinh0110m000)** session. This functionality is applicable only for the order types of the inventory transaction types **Issue** and **Transfer**.

Chapter 2: Order Lines

Inbound order lines

Inbound order lines deal with activities that relate to the receipt of goods in a warehouse.

Inbound-order line characteristics

Warehouse inbound order lines are related to the following *inventory transaction types*:

- **Receipt**
- **Transfer**
- **WIP Transfer**

An inbound order line is generated either automatically by another package or module, or created manually in Warehousing. The order type determines the default warehousing procedure steps that must or can be taken to process the order lines. You can adjust the default warehousing procedure for an individual order header. As a result, the adjusted procedure applies to the order lines that belong to the order header. You can also adjust the procedure for an individual order line.

Outbound order lines

Outbound order lines deal with activities that relate to the issue of goods from a warehouse and the preparation of these goods for shipment.

Outbound-order line characteristics

You can link an outbound order line to a warehousing order with one of the following *inventory-transaction types*:

- **Issue**
- **Transfer**
- **WIP Transfer**

An outbound order line is generated either automatically by another package or module, or created manually in Warehousing. The order type determines the default warehousing procedure steps that must or can be taken to process the order lines. You can adjust the default warehousing procedure for an individual order

header. As a result, the adjusted procedure applies to the order lines that belong to the order header. In addition, you can adjust the procedure for an individual order line.

Chapter 3: Processing Warehousing Orders

To delete warehousing orders

To delete warehousing orders, you can use the:

- Archive/Delete Warehousing Orders History (whinh2255m000) session
- Remove Warehousing Orders (whinh2250m000) session
- The **Delete** option in the toolbar of the **Warehousing Orders (whinh2100m000)** and **Warehousing Order (whinh2100m100)** sessions.

The **Delete** option is available if deleting the selected warehousing order or orders is allowed.

The Warehousing Orders (whinh2100m000) session

To delete warehousing orders in the **Warehousing Orders (whinh2100m000)** session:

- 1 Select one or more warehousing orders.
- 2 In the toolbar of the **Warehousing Orders (whinh2100m000)** session, click **Delete**.
The **Delete** option is available if deleting the selected warehousing order or orders is allowed.
- 3 In the dialogue box that opens, click **All, Without Lines** (warehousing orders without lines), or **No** as required.

Deletion allowed

Warehousing orders created outside Warehousing that are not *closed* can be deleted in the originating packages if the conditions set in these packages are applicable, and if in Warehousing:

Outbound

- Shipment lines are not present
- Picking or cross-docking has not yet been carried out

Inbound

- Quarantine inventory is not present

You can delete warehousing orders created in Warehousing, which are not *closed*, if:

Outbound

- Outbound advice is not present
- The order is not WMS related
- Blocked order lines are not present

- For multicompany warehouse transfers, you can only delete the outbound order lines when working in the ship-from company. The inbound lines and the related order lines in the ship-to company are deleted by the application.

Inbound

- Confirmed receipts are not present
- The order is no Warehousing transfer or *WIP transfer* order

You can delete *closed* warehousing orders created in Warehousing or other packages if:

Outbound

- Shipments are not present. For this purpose, the **Shipments** check box is available in the **Remove Warehousing Orders (whinh2250m000)** session.
- Unprocessed warehousing or Quality inspections are not present
- *Reconciliation* is completed
- The order is not WMS related
- Order lines with related quarantine inventory are not present
- The originating package allows deletion

Inbound

- Quality inspections are not present
- *Reconciliation* is completed
- The order is not WMS related
- The order is no unprocessed *cross-dock order*
- Order lines with related quarantine inventory are not present
- The receipts are put away

Default values for transfer orders

In the **Warehousing Orders (whinh2100m000)** session, these fields are defaulted when a *transfer order* is created either manually or by processes such as *time-phased order point* or Enterprise Planning:

- **Carrier/LSP**
- **Delivery Terms**
- **Point of Title Passage**
- **Freight Service Level**

The default values are taken from the sold-to or ship-to *business partner roles* of the *internal business partner* linked to the *enterprise unit* of the ship-to warehouse.

Chapter 4: Assembly Orders

Warehousing assembly orders

Warehousing assembly orders are used to collect goods in order to assemble them into one item. You can manually create warehousing assembly orders in the **Warehousing Assembly Orders (whinh2101m000)** session.

Warehousing assembly orders transform goods within the warehouse. A warehousing assembly order, orders you to pick and combine a number of items to produce an end item that remains in the warehouse. The *bill of materials* for this operation is derived from the kit definition in the **List Components (tcibd3100m000)** session.

When a warehousing assembly order is created, LN generates:

- Outbound-order lines for each component of the kit to be transferred to the assembly warehouse or location.
- An inbound-order line to store the item to be assembled.

Performing a receipt on this warehouse order line registers that the operation has been completed and the item to be assembled can be put away as if it were a received item.

However, assembly can occur in an assembly location, though the available inventory figures for the main warehouse will be inaccurate during the assembly process.

The assembled item is a *list item* whose components are registered in the **List Components (tcibd3100m000)** session. A warehousing-order line of type **Issue** is generated for each component.

You cannot delete a warehousing assembly order if outbound-order lines are present. You cannot modify a warehousing assembly order if outbound-order lines are present with status other than **Open**.

Every manual modification of the warehousing assembly order or order line is registered in the **Warehousing Assembly Orders History (whinh2551m000)** session.

Chapter 5: Blanket Orders

Blanket warehousing orders

To receive items based on a production schedule or a *push schedule*, LN uses *blanket warehousing orders*.

Blanket warehousing order overview

- You can view blanket warehousing orders in the **Warehousing Orders (whinh2100m000)** session.
- The **Blanket Order** check box in the **Warehousing Orders (whinh2100m000)** session is selected.
- The value of the **Order Line** number field and the **Sequence** sequence field in the **Inbound Order Lines (whinh2110m000)** session is zero.
- The **Planned Delivery Date** and **Planned Receipt Date** fields are blank.
- The **Lot Selection** field in the **Receipt Line Stock Point Details (whinh3123m000)** session is always set to **Any**.

Blanket warehousing orders based on push schedules

To receive items based on a *push schedule*, LN uses *blanket warehousing orders*.

If, in Purchase Control, a push schedule is generated, LN generates a blanket warehousing order.

Blanket warehousing order and order line characteristics:

- The **Contract Date** is similar to the **Contract Date** in the **Purchase Contracts (tdpur3100m000)** session on which the push schedule is based. If the push schedule is not linked to a purchase contract, the **Effective Date** from the **Items - Purchase Business Partner (tdipu0110m000)** session is defaulted as the **Contract Date** in the **Warehousing Orders (whinh2100m000)** session.
- An **Ordered Quantity** that is equal to the **Agreed Quantity** on the purchase contract line. If the push schedule is not linked to a purchase contract, the **Ordered Quantity** is the time between the **Effective Date** and the **Expiry Date** times the **Supplier Capacity**, as retrieved from the **Items - Purchase Business Partner (tdipu0110m000)** session.
- The **Hard Stop on Date** field is set to **No**, because date tolerances are not used for blanket warehousing orders.

To change a blanket warehousing order

If items are not yet received for a blanket warehousing order, Purchase Control can be used to update this data in the **Inbound Order Lines (whinh2110m000)** session:

- The ship-from business partner as specified in the **Ship-from Code** field of the **Ship-from** group box.
- The warehouse as specified in the **Ship-to Code** field in the **Ship-to** group box.
- The purchase office as specified in the **Office** field.
- Select or clear the **Consignment** check box, and, thus, indicate whether the blanket warehousing order is required for consignment inventory.
- The business partner's order reference as specified in the **Reference** field.
- Add or change the order header text.
- The **Item**.
- The **Effectivity Unit**.

If items are received for a blanket warehousing order, Purchase Control cannot be used to change the order and order lines.

Receipts based on blanket warehousing orders

An expected quantity of a receipt line for a blanket warehousing order is always zero. If no *advance shipment notice (ASN)* is used, the default received quantity and packing slip quantity are also zero. You can specify or change the received quantity and the packing slip quantity in the **Receipt Lines (whinh3112s000)** session.

If you confirm or correct a receipt for a blanket warehousing order in the **Warehouse Receipt (whinh3512m000)** or the **Receipt Correction (whinh3121s000)** session, LN updates:

- The purchase receipt data in the **Purchase Schedule - Receipts (tdpur3115m200)** session.
- The cumulated received quantity for the blanket warehousing order. You can view the cumulated received quantity in the **Received Quantity** field of the **Inbound Order Lines (whinh2110m000)** session.

Note: If you use ASNs for blanket orders based on purchase schedules, a link exists between the ASN information and purchase schedule lines in the ASN Details (tdpur3113m000) session.

Inspection and handling of rejected items

If you perform an inspection for items that are received for a blanket warehousing order, LN uses the inspection results to update the purchase receipt data in the **Purchase Schedule - Receipts (tdpur3115m200)** session.

LN handles rejected inventory that is received for a blanket warehousing order differently when compared to the rejected inventory that is received for other warehousing orders:

- If, during inspection, you reject items that are received based on a blanket warehousing order, LN does not create a back order.
- If you assign dispositions **Use As Is** or **No Fault Found** to quarantine inventory in the **Quarantine Inventory Overview (whwmd2171m000)** session, LN creates a new receipt line for the blanket warehousing order for which these items were originally received.

Close and delete blanket warehousing orders

If the status of a purchase schedule is **Termination in Process** or **Terminated**, you can no longer receive items based on this purchase schedule. In this case, you must close the blanket warehousing order. The two methods to close a blanket warehousing order:

- In the **Receipt Lines (whinh3112s000)** session, create a receipt with quantity zero and the **Final Receipt** check box selected.
- In the **Receipt Correction (whinh3121s000)** session, correct the last receipt line for the blanket warehousing order by selecting the **Final Receipt** check box. To start the **Receipt Correction (whinh3121s000)** session, in the **Warehouse Receipt Lines (whinh3512m100)** session, select the last receipt line for the blanket warehousing order and, on the *appropriate* menu, choose **Correct Receipt Line**.

Purchase Control can be used to delete blanket warehousing orders for which no items are received. You can delete a blanket warehousing order in Warehousing, for which these conditions are applicable:

- The **Final Receipt** check box in the **Receipt Lines (whinh3112s000)** session is selected.
- The received inventory is completely processed and put away.
- The rejected inventory is processed. See Quarantine inventory.

Planned inventory transactions for push schedules

The *planned inventory transactions* for push schedules are indicated by the push schedule's position number and sequence number instead of the zero position number and sequence number as used for blanket warehousing orders.

Blanket warehousing orders based on production schedules

To receive items based on a production schedule, LN uses *blanket warehousing orders*.

When based on a production schedule, a blanket warehousing order is created the first time the transfer quantity of end items is produced. The transfer quantity is specified in the Transfer Quantity field of the **Work List (tirpt4602m000)** session. The second and following times this quantity is produced, the transfer quantity is updated in the **Ordered Quantity** field of the inbound order line of the blanket warehousing order.

Order and order line characteristics:

- The originating object of a blanket warehousing order is **Production Schedule**.
- The **Ordered Quantity** is updated with the quantity specified in the **Transfer Quantity** field of the **Work List (tirpt4602m000)** session.
- The *ship-from type* is **Work Center**.
- The *ship-to type* is **Warehouse**.

Receipts based on blanket warehousing orders

The default received quantity and packing slip quantity are the ordered quantity minus the quantities already received. You can specify or change the received quantity and the packing slip quantity in the **Receipt Lines (whinh3112s000)** session.

If you confirm a receipt for a blanket warehousing order in the **Warehouse Receipt (whinh3512m000)**, LN updates the cumulated received quantity for the blanket warehousing order.

You can view the cumulated received quantity in the **Received Quantity** field of the **Inbound Order Lines (whinh2110m000)** session.

Note: Receipt corrections are not supported for blanket warehousing orders based on production schedules.

Quarantine handling

If you assign dispositions **Use As Is** or **No Fault Found** to quarantine inventory in the **Quarantine Inventory Overview (whwmd2171m000)** session, LN creates a new receipt line for the blanket warehousing order for which these items were originally received.

Chapter 6: Management Overviews

How to create warehousing order management overviews

To create a warehousing order management overview in the **Warehouse Manager Dashboard (whinh2300m000)** session, proceed as follows:

- 1 In the **Ship Code** field, select a ship code. As a result, warehousing orders associated with the selected type of ship code will be included in your overview. The following types of ship codes are available:
 - *warehouse*
 - *business partner*
 - *project*
 - *work center*
 - If you select **Not Applicable**, all warehousing orders are included in your overview, regardless of the ship codes with which they are associated, provided that the warehousing orders match the other filtering options that you specify.
- 2 In the **Ship Code** field, select an ID for the selected type of ship code. As a result, warehousing orders associated with the selected ID code are included in your overview, provided that the warehousing orders match the other filtering options that you specify.
- 3 In the **Date Range** field, select a date range. As a result, warehousing orders whose *planned receipt date* match the date range are included in the overview.
- 4 Select the **Include Finished Orders** check box if you want to include finished orders in your overview. Finished orders are orders that require no further warehouse handling. Inbound order lines that require no further handling are put away into storage and have the **Put Away** status. Outbound order lines that require no further handling are shipped and have the **Shipped** status.
- 5 Optionally, from the **View** menu, select the **Sort by** and **Filter** options menu to further define the criteria to select the warehousing orders for your overview. Refer to the Basic Tasks help for further details.

Note, however, that the use of these filters do not affect the values displayed in the fields of the **Inbound Open** and **Outbound Open** group boxes. For example, if a filter based on these options cause 10 open inbound order lines to be shown in the overview, but 15 open order lines would be shown without this filter, these fields show 15 open inbound order lines.
- 6 Optionally, select an option from the **View Orders With** submenu of the *appropriate* menu. As a result, of the warehousing orders that match the previous filtering options, only those warehousing orders that have lines of the type of line selected in this submenu are included in your overview. For example, if you select **Lines To be Inspected Inbound**, of the warehousing orders that match the filter settings defined in the previous steps, only those orders are displayed that have inbound order lines due for inspection. By default, the **Open Order Lines** option of this submenu is selected. To restore the default setting after you selected one of the other options, select **Open Order Lines** again.

- 7 Press F5, or from the **View** menu, select **Refresh Interval** to generate your overview. In the **Warehousing User Profiles (whwmd1140s000)** session, you can set time intervals to automatically refresh the overview.

Note: The use of filters may affect the system's performance.

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