Infor LN Warehousing User Guide for Multisite

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About this document

Objectives

The objectives of this book are to describe the purpose and the use of multisite in Warehousing.

Intended Audience

This book is intended for those who want to learn how to set up and use the Kanban supply system.

Assumed Knowledge

Familiarity with the business processes involved in Warehousing, master data setup, and general knowledge of the LN functionality will help you understand this book. In addition, Warehousing training courses are available to give you a head start.

References

Use this guide as the primary reference for the kanban supply system. 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 Item Setup*
- *User Guide for Site Activation*

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Chapter 1
Introduction

1

Multisite in Warehousing

In a multisite environment, a site is one of the key building blocks.

A company can include multiple sites.

You can link multiple warehouses and departments to a site. It is mandatory to link a warehouse to a site. A warehouse can be linked to one site.

Note

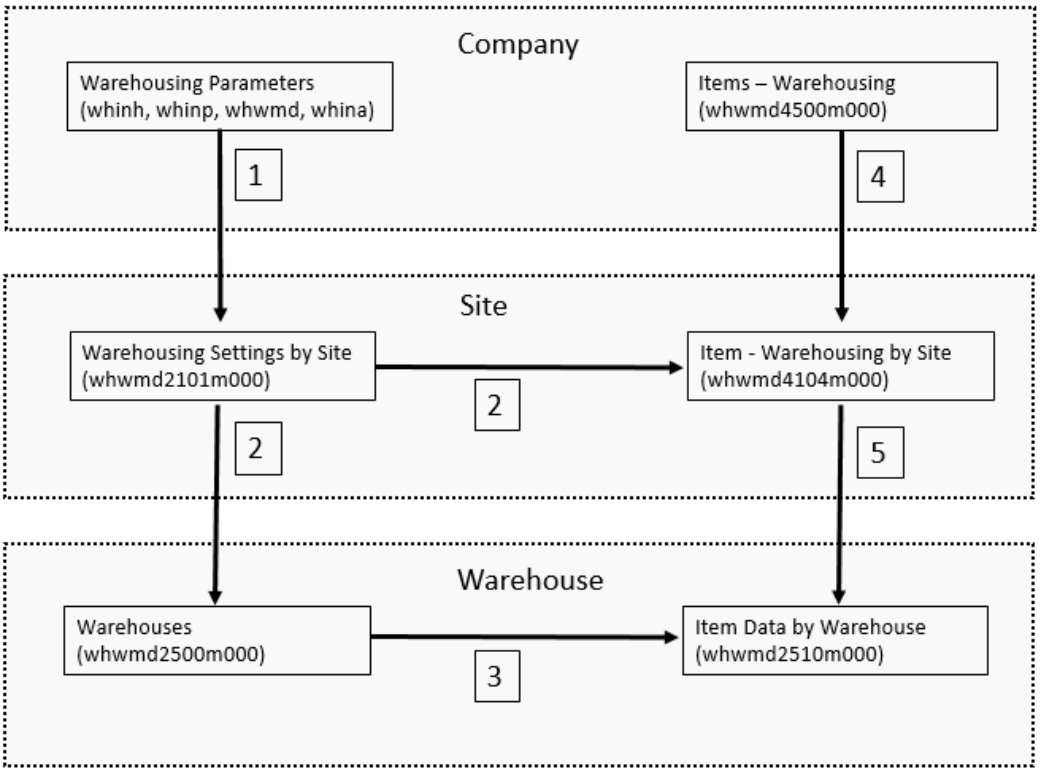
Sites are available if the **Sites** parameter is activated in the Implemented Software Components (tccom0100s000) session.

Warehousing and warehouse item settings on company, site, and warehouse level

If you use sites, warehouse data and warehousing-specific item data can be globally applicable for the entire company structure, or locally for specific sites or warehouses.

Data specified by company are applicable for all sites and warehouses of the company, unless adjusted for specific sites or warehouses.

Data specified by site apply to the warehouses linked to the site, unless adjusted for specific warehouses, and you can specify data for individual warehouses.



Note

To define warehousing data for an item and a site in the Item - Warehousing by Site (whwmd4104m000) session, the item must be present in the Items (tcibd0501m000) and the Items by Site (tcibd1550m000) session.

Legend

Number	Description
1	See *Warehouse data and settings on company level (p. 11)*
2	See *Warehouse data and settings on site level (p. 13)* and *Warehousing item data updated to site and warehouse level (p. 14)*
3	See *Warehouse data and settings on warehouse level (p. 15)*

4	See *Warehousing item data and settings on company level (p. 17)* and *Mandatory warehouse – item settings on company level (p. 17)*
5	See *Warehousing item data and settings on site level (p. 19)* and *Warehousing item data and settings on warehouse level (p. 21)*

Overviews by company, site, and warehouse

Using multisite allows for various overviews by site:

- Inventory
- Item issues by site and period
- Inventory consumptions
- Receipt transactions

The overviews display the aggregated data of the warehouses of each site specified in the overview.

Chapter 2
Data and Settings on Company Level

2

Warehouse data and settings on company level

Warehouse data and settings on company level are specified in these sessions:

- Inventory Handling Parameters (whinh0100m000)
- Warehouse Master Data Parameters (whwmd0100s000)
- Inventory Reporting Parameters (whinr0100s000)
- Inventory Planning Parameters (whinp0100m000)
- Inventory Analysis Parameters (whina0100m000)

This data is copied to the Warehousing Settings by Site (whwmd2101m000) session if the relevant Use Global check boxes are selected in this session. If a Use Global check box is cleared, the settings that this check box controls can be specified for individual sites.

Chapter 3
Data and Settings on Site Level

3

Warehouse data and settings on site level

Warehouse data and settings on site level are specified in the Warehousing Settings by Site (whwmd2101m000) session.

Settings specified for a site can be defaulted to the Warehouses (whwmd2500m000) session for the warehouses linked to the site.

If the **Use Site Settings** check box is *cleared* in the Warehouses (whwmd2500m000) session, you can change the settings defaulted from the Warehousing Settings by Site (whwmd2101m000) session.

If the **Use Site Settings** check box is *selected*, you cannot change the settings derived from the site, and if the settings are changed for the site in the Warehousing Settings by Site (whwmd2101m000) session, the changes are updated for the warehouses of the site in the Warehouses (whwmd2500m000) session.

The following settings in the Warehousing Settings by Site (whwmd2101m000) session are updated to the Warehouses (whwmd2500m000) and Item - Warehousing by Site (whwmd4104m000) sessions regardless of the setting of the **Use Site Settings** check box:

- **Handling Units in Use**
- **Dynamic Cross-docking**
- **DMS Supplied**
- **Process Inventory Variances Automatically**
- **Quarantine Inventory**

You cannot change these settings for individual warehouses or items in the Warehouses (whwmd2500m000) and Item - Warehousing by Site (whwmd4104m000) sessions.

This is subject to these conditions:

- The changes are only updated to warehouses linked to the sites for which the changes are made in the Warehousing Settings by Site (whwmd2101m000) session.
- The **Use Global Item Warehousing** check box is cleared in the Item - Warehousing by Site (whwmd4104m000) session. This is because otherwise only updates from the Items - Warehousing (whwmd4500m000) session are allowed.

Warehousing item data updated to site and warehouse level

If multisite is activated, you can specify that various warehousing item settings in Warehousing only apply to warehouses that belong to specific sites.

These fields from the Items - Warehousing (whwmd4500m000) and Item - Warehousing (whwmd4600m000) sessions are updated in the Item - Warehousing by Site (whwmd4104m000) session, if in the Item - Warehousing by Site (whwmd4104m000) session the **Use Global Item Warehousing** check box is selected:

- **Location Controlled**
- **Process Inventory Variances Automatically**
- **Handling Units in Use**
- **Dynamic Cross-docking**
- **DMS Supplied**
- **DMS upon Receipt**
- **DMS upon JSC Receipt**
- **DMS on Inventory**
- **Create Outbound Advice Despite Inventory Shortage**
- **Allow Negative Inventory**
- **Issue Priority**
- **Registration Level**
- **Allocation Level**

You cannot modify these fields in the Item - Warehousing by Site (whwmd4104m000) session.

Chapter 4
Data and Settings on Warehouse Level

4

Warehouse data and settings on warehouse level

Warehouse data and settings on warehouse level are specified in the Warehouses (whwmd2500m000) session.

In the Warehouses (whwmd2500m000) session, you can specify data for individual warehouses or use site specific settings defaulted from the Warehousing Settings by Site (whwmd2101m000) session. For this purpose, select or clear the **Use Site Settings** check box.

Various fields, such as those relating to locations, and the **Shipment through Warehouse** and **Quarantine Warehouse** fields, are unavailable for the company or site level. You can only specify these fields for individual warehouses in the Warehouses (whwmd2500m000) session.

Changes in these data in the Warehouses (whwmd2500m000) session are updated to the Item Data by Warehouse (whwmd2510m000) session:

- **Locations**
- **Process Inventory Variances Automatically**
- **Handling Units in Use** and related check boxes.
- **Generate Handling Units Automatically from ASNs**
- **Generate Handling Unit Automatically during Receipt**
- **Generate Handling Unit Automatically during Projected Shipments**
- **Generate Handling Unit Automatically during Picking**
- **DMS Supplied**
- **DMS upon Receipt**
- **DMS upon JSC Receipt**
- **DMS on Inventory**
- **Consolidate Handling Units in one Shipment Line during Picking**
- **Process Adjustments Orders**
- **Process Cycle Counting Orders**

Chapter 5
Item Data and Settings on Company Level

5

Warehousing item data and settings on company level

For Warehousing, on company level item data are specified in the Items - Warehousing (whwmd4500m000) and Items - Warehousing Defaults (whwmd4501m000) sessions. You can also use the Item - Warehousing (whwmd4600m000) and Item - Warehousing Defaults (whwmd4601m000) sessions to specify these data.

If you select the **Use Global Item Warehousing** check box in the Item - Warehousing by Site (whwmd4104m000) session, various field values from the Items - Warehousing (whwmd4500m000) session are copied to the Item - Warehousing by Site (whwmd4104m000) session. See *Warehousing item data updated to site and warehouse level (p. 14)*.

If the field values are changed in the Items - Warehousing (whwmd4500m000) session, the changes are updated in the Item - Warehousing by Site (whwmd4104m000) session.

Mandatory company settings

Some data specified in the Items - Warehousing (whwmd4500m000) session are mandatory for all sites and individual warehouses of the logistic company. See *Mandatory warehouse – item settings on company level (p. 17)*.

Mandatory warehouse – item settings on company level

If multisite is activated, you can specify that various item settings in Warehousing only apply to warehouses that belong to specific sites. Some settings, however, are mandatory for all warehouses in the company structure.

These fields from the Items - Warehousing (whwmd4500m000) and Item - Warehousing (whwmd4600m000) sessions are mandatory for all sites throughout the company:

- **Search Key**
- **Floor Stock**

- **Height**
- **Width**
- **Length**
- **Outbound Method**
- **Hazardous Material**
- **Class of Risk**
- **Lot Price**
- **Lot Tracking**
- **Lots in Inventory**
- **Lot Entry for Direct Delivery**
- **Lot Entry During Receipt**
- **Lot Entry During Transfer**
- **Register Lot Issue During As Built**
- **Register Lot Issue in Service & Maintenance**
- **Serial Tracking**
- **Serials in Inventory**
- **Serial Number Entry for Direct Delivery**
- **Serial Number Entry During Receipt**
- **Serial Number Entry During Transfer**
- **Register Serial Issue During As Built**
- **Register Serial Issue in Service & Maintenance**
- **Lot and Serial Registration Template**
- **Item Valuation Group**
- **Product Assembly Kit Part**

Chapter 6
Item Data and Settings on Site Level

6

Warehousing item data and settings on site level

For Warehousing, on site level item data are specified in the Item - Warehousing by Site (whwmd4104m000) session. Default values are specified in the Item - Warehousing Defaults by Site (whwmd4109m000) session.

If you select the **Use Global Item Warehousing** check box in the Item - Warehousing by Site (whwmd4104m000) session, *Warehousing item data updated to site and warehouse level (p. 14)* from the Items - Warehousing (whwmd4500m000) session are copied to the Item - Warehousing by Site (whwmd4104m000) session.

To specify data for individual sites, clear this check box.

Chapter 7
Item Data and Settings on Warehouse Level

7

Warehousing item data and settings on warehouse level

For Warehousing, on warehouse level item data are specified in the Item Data by Warehouse (whwmd2510m000) session.

Item data specified for a site in the Item - Warehousing by Site (whwmd4104m000) session are updated to the warehouses linked to the site in the Item Data by Warehouse (whwmd2510m000) session.

Changes in these data in the Warehouses (whwmd2500m000) session are updated to the Item Data by Warehouse (whwmd2510m000) session:

- **Locations**
- **Process Inventory Variances Automatically**
- **Handling Units in Use** and related check boxes.
- **Generate Handling Units Automatically from ASNs**
- **Generate Handling Unit Automatically during Receipt**
- **Generate Handling Unit Automatically during Projected Shipments**
- **Generate Handling Unit Automatically during Picking**
- **DMS Supplied**
- **DMS upon Receipt**
- **DMS upon JSC Receipt**
- **DMS on Inventory**
- **Consolidate Handling Units in one Shipment Line during Picking**
- **Process Adjustments Orders**
- **Process Cycle Counting Orders**

Appendix A
Glossary

A

department

A company's organizational unit that carries out a specific set of tasks, for example, a sales office or a purchase office. Departments are assigned number groups for the orders they issue. The department's enterprise unit determines the financial company to which the financial transactions that the department generates are posted.

item

The raw materials, subassemblies, finished products, and tools that can be purchased, stored, manufactured, and sold.

An item can also represent a set of items handled as one kit, or which exist in multiple product variants.

You can also define nonphysical items, which are not retained in inventory but can be used to post costs or to invoice services to customers. The examples of nonphysical items:

- Cost items (for example, electricity)
- Service items
- Subcontracting services
- List items (menus/options)

multisite

Refers to the management of multiple sites within a single (logistic) company.

In a multicompany structure, which includes several companies, multisite applies to each of the logistic companies.

site

A business location of an enterprise that can maintain its own logistical data. It includes a collection of warehouses, departments and assembly lines at the same location. Sites are used to model the supply chain in a multisite environment.

These restrictions apply to sites:

- A site cannot cross countries. The warehouses and departments of the site must be in the same country as the site.
- A site is part of a planning cluster. Consequently, all warehouses and work centers of a site must belong to the same planning cluster.
- A site is linked to one logistic company.

You can link a site to an enterprise unit or an enterprise unit to a site.

If an enterprise unit is linked to a site, the entities of the site belong to the enterprise unit. Conversely, if a site is linked to an enterprise unit, the entities of the enterprise unit belong to the site.

warehouse

A place for storing goods. For each warehouse, you can enter address data and data relating to its type.

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