



# Infor LN User Guide for Site Activation

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# About this document

This document describes the processes and procedures involved in activating the multisite concept.

## Assumed knowledge

Although you need no detailed knowledge of the LN software to read this guide, general knowledge of the Infor LN functionality will help you understand this guide.

## References

Use this guide as the primary reference for the activation of the multisite concepts. Use the current editions of these related references for information that is not covered in this guide:

- *User Guide for Enterprise Structures*
- *User Guide for Setting Up a Company (U9503 US)*
- *User Guide for Item Setup*

## How to read this document

This document is assembled from online Help topics.

Text in italics followed by a page number represents a hyperlink to another section in this document.

Underlined terms indicate a link to a glossary definition. If you view this document online, clicking the underlined term takes you to the glossary definition at the end of this document.

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## Activating multisite - overview

To adopt the multisite functionality in a multicompany or single company environment previously without sites, you must activate these multisite concepts:

- **Item Type Product**
- **Standard Cost per Enterprise Unit**
- **Planning Cluster Mandatory**
- **Sites**

### Note

The multisite concepts are activated in the Multisite Concepts Activation (tcomm4600m000) workbench session or in the Implemented Software Components (tccom0100s000) session. The online help addresses the activation procedures performed in the Multisite Concepts Activation (tcomm4600m000) workbench session.

## Item type Product

The supply of an item can differ for each site. The item can be purchased at one site and subcontracted or produced at another site. However, the item type is a static and global setting. Consequently, the item types **Purchased** and **Manufactured** must be merged into the item type **Product**.

## Standard cost by enterprise unit

In a multisite environment, the calculation of an item's standard cost must be performed at a more detailed level than the company level. Therefore, the item costing data must be available by enterprise unit instead of by company. Additionally, data such as the costing warehouse, costing source, and intercompany trade settings are required in the item costing data.

## Planning cluster mandatory

Item planning is performed for one or more sites if Enterprise Planning is implemented. Therefore, planning clusters must be linked to sites. This is to accomplish that planning is performed for the items related to the sites and the underlying entities.

## Sites

Various logistics data, commercial data, planning data and other master data must be available at a more detailed level than the company level. For this purpose, this data must be grouped by site or by office for each company within the multicompany structure.

## Prerequisites

Before starting the activation process, create a design of the intended enterprise structure, identifying the sites to be used, the activities to be carried out at each site, and the warehouses and departments to be included in each site.

If Enterprise Planning is implemented, determine the planning clusters to be used, and link these to the warehouses for which planning is to be performed collectively. The specified planning clusters and the linked warehouses affect the creation of sites.

Before activating the **Standard Cost per Enterprise Unit** multisite concept, identify the level at which to calculate the standard costs: company or enterprise unit. If the level is to be enterprise unit, identify the enterprise units for which to calculate the standard costs.

Set up item groups, because these affect the creation of item default data at site or company level.

### Recommended actions

- Perform table sharing. See *Infor LN User Guide for TableSharing (comtableshug U9505)*.
- Archive the companies of your existing multicompany structure.
- Perform the site activation process in a testing environment before actually adopting the multisite functionality.

## An outline of the multisite activation process

The multisite activation process consists of a preparatory stage and an activation stage.

During the preparatory stage, you must define or adjust master data and set parameters.

The activation stage entails the activation of the multisite functionality based on the setup completed in the preparatory stage.

The activation process is performed in the Multisite Concepts Activation (tcomm4600m000) workbench session.



**Note**

The multisite concepts are activated in the Multisite Concepts Activation (tcomm4600m000) workbench session or in the Implemented Software Components (tccom0100s000) session. The online help addresses the activation procedures performed in the Multisite Concepts Activation (tcomm4600m000) workbench session.

The activation is done by multisite concept. After completing the activation of the first concept, you proceed to the next concept.

You must activate these multisite concepts:

- **Item Type Product**
- **Standard Cost per Enterprise Unit**
- **Planning Cluster Mandatory**
- **Sites**

You can activate the first three concepts in any order.

The **Sites** concept must be the last concept to be activated.

## Preparatory stage

The preparatory stage of the activation process is launched by setting the activation status of a multisite concept to **In Preparation**. This enables the activation activities of the concept.

An activation activity is a specific set of master data or parameter setup. Each multisite concept has various activation activities.

## Example

These are the activation activities of the **Item Type Product** concept:

- **Print Item Defaults used for Product**
- **Copy Defaults to Product**
- **Reassign Item Group**

The activities are enabled when you set the status of the concept to **In Preparation**.

Most activation activities are mandatory. You must complete the mandatory activities before you can proceed to the activation stage.

The order in which to perform the activation activities is indicated by the availability of the activity options in the Multisite Concepts Activation (tcomm4600m000) workbench session.

## The **Sites** concept

The **Sites** concept has two preparatory stages. During the first preparatory stage, enterprise structure master data is defined. This stage has the **Enterprise Model in Preparation** status. During the second preparatory stage, item data and other master data is defined. This stage has the **In Preparation** status.

**Note**

To set a multisite concept to **Active**, you must have super user rights. Users with normal user rights can perform activation activities and set the concept statuses **Enterprise Model in Preparation** or **In Preparation**.

## Activation stage

After performing the activation activities, you can activate the multisite concept. This launches the activation process based on the setup completed in the activation activities and sets the concept status to **Active**.

For most concepts, the activation process is launched by clicking **Activate**. For the **Standard Cost per Enterprise Unit** concept, the activation is launched after completing the activation activities.

When a multisite concept is **Active**, you cannot perform the activation activities or change the concept status, but you can view the activation data and access some of the activities in the Activation Activity (tcomm4610m000) session.

## Multicompany environments

Concept statuses are set for all companies of the multicompany environment at once.

Some activation activities, such as **Assign Sites**, are also performed for the entire multicompany environment. This is because the database tables of the Enterprise Modeling Management module are shared among the companies of the multicompany environment.

Consequently, this data is identical for each company and therefore, this activity can be performed for the entire multicompany environment at once.

Most activation activities are performed for individual companies.

Before you can set a multisite concept to **Active**, the mandatory activation activities of the concept must be completed in all companies of the multicompany environment.

To complete the activation activities, you can work simultaneously in multiple companies of the multicompany environment.

## The Multisite Concepts Activation (tcomm4600m000) workbench

The Multisite Concepts Activation (tcomm4600m000) workbench session is used to activate the multisite concepts. In this workbench, you can monitor and perform the activation activities of the multisite concepts.

The workbench provides an overview of the multisite concepts and the activation activities for each concept.

For each concept and each activation activity, a status shows the progress of the activation process.

The workbench consists of a **Summary** tab and one tab for each multisite concept:

- **Item Type Product**
- **Standard Cost by Enterprise Unit**
- **Planning Cluster Mandatory**
- **Sites**

The summary tab shows the status of each concept.

Each concept tab shows this information:

- The status of the concept.
- The status of each activation activity required to activate the concept.
- The user who set the concept status or performed an activation activity.
- The date and time on which the user set a concept status or performed an activation activity.

In the workbench, the status of the concepts and the activation activities reflect the progress in the entire multicompany environment. The status of activation activities for individual companies of the multicompany is displayed in the Activation Activity (tcecm4610m000) session.

To set a multisite concept status or to perform an activation activity, in the Multisite Concepts Activation (tcecm4600m000) workbench session, click the relevant concept tab and click the appropriate button. See *Activating multisite concepts* (p. 11).

## Activating multisite concepts

Activating a multisite concept involves these main steps:

- Set the status of the concept to **In Preparation** to enable the activation activities.
- Perform the activation activities.
- Set the status of the concept to **Active**.

### Activating a multisite concept

1. In the Multisite Concepts Activation (tcecm4600m000) workbench session, click the appropriate concept tab.
2. Click **In Preparation**. You are prompted to continue or cancel.
3. Click OK to enable the activation activities.
4. Perform the activation activities.
5. Click **Activate** to activate the concept.

6. Repeat the procedure to activate the next multisite concept.

**Note**

Whether an option is available in the Multisite Concepts Activation (tceмм4600m000) workbench session depends on your user rights and the status of other concepts or activation activities.

The multisite concepts are activated in the Multisite Concepts Activation (tceмм4600m000) workbench session or in the Implemented Software Components (tccom0100s000) session. The online help addresses the activation procedures performed in the Multisite Concepts Activation (tceмм4600m000) workbench session.

## Performing activation activities

1. On the appropriate concept tab of the Multisite Concepts Activation (tceмм4600m000) workbench session, click an activation activity. For example, in the **Item Type Product** concept tab, click **Print Item Defaults used for Product**.  
If you click an activation activity option in the Multisite Concepts Activation (tceмм4600m000) workbench session, the Activation Activity (tceмм4610m000) session starts in which the options and sessions required to complete the activity are available.
2. In the lines section of the Activation Activity (tceмм4610m000) session, select the company for which to perform the activation activity.
3. From the appropriate menu of the lines section of the session, select **Start Activity**.  
Alternatively, on appropriate menu of the header section of the session, select **Start Activity for All Companies**.
4. From the appropriate menu of the lines section of the session, start the master data or the parameter sessions in which to complete the setup for the current activation activity and specify the data and settings as required.
5. From the appropriate menu of the lines section of the session, select **Finish Activity**.  
Alternatively, from the appropriate menu of the header section of the session, select **Finish Activity for All Companies**.
6. If multiple companies are present, perform steps 2 - 5 for the other companies.
7. Close the Activation Activity (tceмм4610m000) session.
8. In the Multisite Concepts Activation (tceмм4600m000) workbench session, click the next activation activity and repeat the procedure until all activation activities are completed.

## Checking and correcting activation activities

After finishing an activation activity, you can start the Activation Activity (tceмм4610m000) session to check and correct the activity, if required. To correct an activity, select the relevant company and from the appropriate menu of the lines section, select **Restart Activity**. For steps that are performed for all

companies simultaneously, from the appropriate menu of the header section of the session, select **Restart Activity for All Companies**.

Until the concept is activated, you can restart an activation activity as many times as you need.

## Activation activities by concept

For each multisite concept you must perform multiple activation activities. This table shows information about the activation activities by multisite concept:

Multisite concept	Topic
<b>Item Type Product</b>	<i>Activating item type Product for multisite (p. 15)</i>
<b>Standard Cost by Enterprise Unit</b>	<i>Activating standard cost by enterprise unit for multisite (p. 17)</i>
<b>Planning Cluster Mandatory</b>	<i>Activating mandatory planning clusters for multisite (p. 21)</i>
<b>Sites</b>	<i>Activating sites (p. 23)</i>



## Activating item type Product for multisite

**Item Type Product** is one of the multisite concepts that must be activated to enable the functionality for multisite. Activating this concept entails converting and merging the item types **Purchased** and **Manufactured** into the item type **Product**.

Before you can use the item type **Product**, the value of the **Item Type Product** must be **Active** in the Multisite Concepts Activation (tcomm4600m000) workbench session. If this parameter is **Active**, the item type **Product** replaces the item types **Purchased** and **Manufactured**, which are no longer available.

To change the status from **Inactive** to **Active**, complete these steps:

### Step 1: In Preparation

Click **In Preparation** in the **Item Type Product** tab in the Multisite Concepts Activation (tcomm4600m000) workbench session. Consequently, the status changes from **Inactive** to **In Preparation** for each company of the current multicompany environment.

### Step 2: Print Item Defaults used for Product

To verify if item defaults are used to create new items, use the Print Item Defaults used for Product (tcibd0402m100) session. The report displays, by item group, the item defaults that are available for the item types **Purchased** and **Manufactured**. You can also identify the item groups that do not have item defaults for **Product** items.

### Step 3: Copy Defaults to Product

If item defaults are used to create new items, specify the item defaults for the **Product** item type and related item group.

In the Copy Defaults to Product (tcibd0207m100) session, you can copy the default item data for a combination of item group and **Purchased** or **Manufactured** item type to defaults for **Product**. The default item data also includes the sub-entity defaults, such as item sales defaults.

To start this session for specific item defaults, select a record in the Item Defaults (tcibd0102m000) session and click **Copy Defaults to Product** on the appropriate menu.

#### Step 4: (optional) Reassign Item Group

If an item group includes both **Purchased** and **Manufactured** items, and you want to retain the differences between these variants, you can assign the **Purchased** and **Manufactured** items to separate item groups.

1. Copy an existing item group to a new item group, including the related master data, in the Copy Item Group (tcmcs0223m000) session.
2. Assign the **Purchased** and **Manufactured** items to separate item groups in the Reassign Item Group (tcibd0201m000) session.

To start the Reassign Item Group (tcibd0201m000) session for a specific item, select the item in the Items (tcibd0501m000) session and click **Reassign Item Group** on the appropriate menu.

#### Step 5: Activate

To actually upgrade the item types **Purchased** and **Manufactured** to **Product** and to remove the item defaults for **Purchased** and **Manufactured** items, click **Activate** in the **Item Type Product** tab in the Multisite Concepts Activation (tcecm4600m000) workbench session.

Consequently, the **Item Type Product** parameter is set to **Active**.

**Note:** The sessions of the multicompany environment are unavailable for end users during the execution of this step.



## Chapter 3

# Standard Cost by Enterprise Unit

# 3

## Activating standard cost by enterprise unit for multisite

To use the functionality for multisite, the value of the **Standard Cost per Enterprise Unit** field must be **Active** in the Multisite Concepts Activation (tcomm4600m000) workbench session.

If this parameter is **Active**, the standard cost calculation for an item is performed by enterprise unit instead of by logistic company.

To change the status from **Inactive** to **Active**, complete these steps:

### Step 1: Calculation Office Setup

Before you can set the status to **In Preparation**, a default calculation office must be linked to each production department.

This is done as follows:

1. Click **Calculation Office Setup** in the Multisite Concepts Activation (tcomm4600m000) workbench session.
2. In the Production Order Parameters (tisfc0100s000) session, set the **Calculation Office defined in** field from **Default Production Order Data** to **Prepare for Production Department**.
3. Assign a default calculation office to each production department.
4. In the Production Order Parameters (tisfc0100s000) session, set the **Calculation Office defined in** field to **Production Department**.

### Step 2: In Preparation

Click **In Preparation** in the **Standard Cost by Enterprise Unit** tab of the Multisite Concepts Activation (tcomm4600m000) workbench session. Consequently, the status changes from **Inactive** to **In Preparation**.

### Step 3: Generate Interim Item Costing Data

Generate item costing (default) data that includes the enterprise unit for an item or a range of items, in the Cost Calculation by Enterprise Units - Generate Migration Table (ticpr0220m000) session. The costing data is generated based on the warehouse specified in the Item - Ordering (tcibd2100m000) session. The enterprise unit is also retrieved from this warehouse.

After running the Cost Calculation by Enterprise Units - Generate Migration Table (ticpr0220m000) session, temporary item costing data is generated in the Standard Costs by Enterprise Unit - Conversion data (ticpr0120m000) session. For an item, multiple records of item costing data can be generated by enterprise unit.

### Step 4: Maintain Interim Item Costing Data

View and modify the generated temporary item costing (default) data in the Standard Costs by Enterprise Unit - Conversion data (ticpr0120m000) session. You can also specify temporary item costing data in this session.

### Step 5: Upgrade Item Costing Data

Upgrade the costing (default) data from the company level to the enterprise unit level for an item or a range of items in the Cost Calculation by Enterprise Units-Upgrade (ticpr0220m100) session. You can skip the unused items.

After running the Cost Calculation by Enterprise Units-Upgrade (ticpr0220m100) session, the temporary item costing data by enterprise unit is upgraded to actual item costing data by enterprise unit in the Item - Costing (ticpr0107m000) or Item - Costing Defaults (ticpr0108m000) sessions.

#### Note:

- If an item cannot be upgraded, for example, on account of data inconsistencies, you can manually remove this item from the Standard Costs by Enterprise Unit - Conversion data (ticpr0120m000) session. After the **Standard Cost per Enterprise Unit** concept is set to **Active** in the Multisite Concepts Activation (tcecm4600m000) workbench session, you can create the item manually in the Item - Costing (ticpr0107m100) or Item - Costing Defaults (ticpr0108m000) sessions.
- As soon as the first item is upgraded, the value of the **Standard Cost per Enterprise Unit** parameter in the Multisite Concepts Activation (tcecm4600m000) session already changes to **Active**.

### Step 6: Calculate Standard Costs by Enterprise Unit

Calculate the standard cost by enterprise unit for the upgraded items in the Calculate Standard Cost (ticpr2210m000) session.

You can view the calculated standard cost for an item and enterprise unit in the related sessions, such as Item - Costing (ticpr0107m000), Item Standard Costs (ticpr3601m000), and Item - Standard Cost (ticpr3500m000).

### Step 7: Delete temporary costing data

To delete the temporary costing data from the Standard Costs by Enterprise Unit - Conversion data (ticpr0120m000) session, use the Cost Calculation by Enterprise Units - Delete Migration Table (ticpr0220m200) session.

**Note:** Before deletion, verify if items exist that are still to be upgraded. To verify, check the value of the **Standard Costs at Level** field in the Items (tcibd0501m000) and Item Defaults (tcibd0102m000) sessions, which can be **Company** or **Enterprise Unit**.



## Chapter 4

# Planning Cluster Mandatory

# 4

## Activating mandatory planning clusters for multisite

To use the functionality for multisite, the value of the **Planning Cluster Mandatory** field must be **Active** in the n the Multisite Concepts Activation (tcemm4600m000) workbench session. If this parameter is **Active**, planning clusters are mandatory.

To activate mandatory planning clusters, complete these steps:

### Step 1: In Preparation

Click **In Preparation** in the **Planning Cluster Mandatory** tab in the Multisite Concepts Activation (tcemm4600m000) workbench session. Consequently, the status changes from **Inactive** to **In Preparation**.

### Step 2: Manually Update Planning Clusters

Based on your enterprise structure design as described in *Activating multisite - overview (p. 7)*, assign specific planning clusters to warehouses. This is to limit the number of warehouses to which to assign the default planning cluster that is defined in the next step.

The default planning cluster is automatically assigned to warehouses with an "empty" planning cluster when you carry out step 4. Consequently, during the activation of the **Sites** parameter, when sites are assigned to warehouses, only the sites linked to the default planning cluster are available for the warehouses to which the default planning cluster is assigned in step 3.

This may offer a too limited choice of sites, especially if your enterprise structure includes multiple planning clusters and multiple sites. Therefore, you are recommended to assign specific planning clusters to warehouses, based on your enterprise structure design, before defining and activating the default planning cluster.

### Step 3: Specify Default Planning Cluster

Specify a default planning cluster in the **Default Planning Cluster** field of the EP Parameters (cprpd0100m000) session for each logistic company of the current multicompany environment.

**Note:** You cannot specify an existing planning cluster from the Planning Clusters (tcepm1135m000) session as the default planning cluster. The default planning cluster contains the new value that replaces the “empty” planning cluster of warehouses, effectivity units, and plan items when the **Planning Cluster Mandatory** concept is set to **Active**, see next step.

### Step 4: Activate

**Note:** For this step, super user rights are required.

Click **Activate** the **Planning Cluster Mandatory** tab in the Multisite Concepts Activation (tcepm4600m000) workbench session. Consequently, you must perform a data upgrade run, and these processes are performed:

- The Initialize Data Upgrade Run (ttspt2200m000) session starts. Refer to the Online Help of this session for further information about the data upgrade run.
- The status changes from **In Preparation** to **Active**.
- For the warehouses, effectivity units, and plan items with "empty" planning clusters, LN replaces the "empty" planning cluster with the default planning cluster specified in the previous step.
- Planning clusters have become mandatory. Therefore, a planning cluster must be present for each warehouse or plan item. During the next stage, *Activating multisite - overview (p. 7)*, you must link a planning cluster to each site when you define sites.

## Activating sites

To create sites and site related master data, you must activate the **Sites** concept in the Multisite Concepts Activation (tceмм4600m000) workbench session.

## Prerequisites

Before activating the **Sites** concept, these parameters must be set to **Active**:

- **Item Type Product**
- **Standard Cost per Enterprise Unit**
- **Planning Cluster Mandatory**

The **Sites** concept includes the settings displayed in the procedure steps below. For each setting, the user activities are briefly outlined. Details are provided in subsequent topics.

The step titles refer to the activation activity options in the Multisite Concepts Activation (tceмм4600m000) workbench session. The sessions referred to in each step are accessed from the Activation Activity (tceмм4610m000) session. See *Activating multisite concepts (p. 11)* and *The Multisite Concepts Activation (tceмм4600m000) workbench (p. 10)*.

### 1. Enterprise Model in Preparation

The first stage of the site activation process involves adding sites to the enterprise model.

#### a. Enterprise Model in Preparation

Set the **Sites** concept to **Enterprise Model in Preparation** in the Multisite Concepts Activation (tceмм4600m000) workbench session.

#### b.

##### Create Sites

- a. Define sites using the Sites (tceмм0150m000) and Site (tceмм0650m000) sessions.
- b. Generate subentity settings by site, for example, warehousing settings by site.

c.

**Assign Sites**

- a. Assign sites to entities using the Assign Sites (tcecm0250m000) session.
- b. Verify the results of the site assignment process.

d. **Relate Machines to Sites**

Optionally, manually link machines that are not related to work centers to sites using the Machines (tirou0102m000) session.

e. **Generate Master Data by Office**

Generate global default data by office in the Generate Master Data by Office (tccom0232m000) session.

f. **Validate Enterprise Model**

Use the Validate Enterprise Model for Multisite (tccom0230m000) session to validate the enterprise model defined in the previous steps.

See *Activate sites - Enterprise model in preparation (p. 27)*.

**2. In Preparation**

The second stage of the site activation process involves adding sites to items and other master data.

a. **In Preparation**

Set the **Sites** concept to **In Preparation** in the Multisite Concepts Activation (tcecm4600m000) workbench session.

b.

Optionally, generate default item data by site, office, or by site and subentity in the Generate Master Data (tccom0231m000) session using these options in the Multisite Concepts Activation (tcecm4600m000) workbench session:

a. **Generate Item Defaults**

b. **Generate Item Planning Defaults**

See *Activate sites - In preparation, generate item default data (p. 31)*.

c. Validate the data using the Validate Master Data for Multisite (tccom0230m100) session.

c. Generate item data by site, office, by site and subentity, or by office in the Generate Master Data (tccom0231m000) session using these options in the Multisite Concepts Activation (tcecm4600m000) workbench session:

a. **Generate Item Data**

b. **Generate Warehousing Item Data**

c. **Generate Planning Item Data**

d. **Generate Production Item Data**

e. **Generate Procurement Item Data**

f. **Generate Sales Item Data**

g. **Generate Service Item Data**

See *Activate sites - In preparation, generate item data (p. 35)*.



**d. Validate Item Data**

Validate the data using the Validate Master Data for Multisite (tccom0230m100) session.

**e. Define additional master data by site in the Generate Master Data (tccom0231m000) session using these options in the Multisite Concepts Activation (tcecm4600m000) workbench session:**

**a. Generate Common Master Data**

**b. Generate Production Master Data**

**c. Generate Procurement Master Data**

**d. Generate Sales Master Data**

**e. Generate Service Master Data**

**f. Generate Project Master Data**

**g. Generate Quality Master Data**

**h. Generate Warehousing Master Data**

See *Activate sites - In preparation, generate other site related master data (p. 43)*

**f. Validate Other Master Data**

Validate all data using the Validate Master Data for Multisite (tccom0230m100) session.

**3. Active**

Set the **Sites** concept to **Active** in the Multisite Concepts Activation (tcecm4600m000) workbench session. See *Activate sites - Activating the Sites parameter (p. 49)*.



# Chapter 6

## Enterprise Model in Preparation

# 6

### Activate sites - Enterprise model in preparation

The first stage of the site activation process comprises adding sites to the enterprise model. This stage includes these steps:

#### Step 1:

In any of the logistic companies of the current company environment, click **Enterprise Model in Preparation** on the **Sites** tab in the Multisite Concepts Activation (tceemm4600m000) workbench session.

Consequently, the status changes from **Inactive** to **Enterprise Model in Preparation** for the companies of the current company environment defined in the Companies (tceemm1170m000) session.

#### Note:

- If **Repetitive Manufacturing (RPT)** is implemented, the **Job Shop Production Schedules** check box in the Repetitive Manufacturing Parameters (tirpt0100m000) session must be cleared.
- Site activation is unavailable for financial companies.

#### Step 2:

Close and reopen LN. Consequently, the Sites (tceemm0150m000) and Site (tceemm0650m000) sessions become available.

#### Step 3:

Define sites using the Sites (tceemm0150m000) and Site (tceemm0650m000) sessions. In the Sites (tceemm0150m000) session, click New to define a new site.

In the Site (tceemm0650m000) session that opens, specify:

- The properties, such as the site's planning cluster, logistic company, and address.
- An enterprise unit, if all of the site's entities must belong to the same enterprise unit.

## Step 4:

In the **Settings** tab of the Site (tceemm0650m000) session, define subentity settings by site.

The subentity setting buttons refer to these sessions:

- **Procurement**  
Procurement Settings by Site (tdpur0111m000)
- **Sales**  
Sales Settings by Site (tdsls0511m000)
- **Warehousing**  
Warehousing Settings by Site (whwmd2101m000).
- **Production**  
Production Settings by Site (timfc0180m000)
- **Service**  
Service Settings by Site (tsmdm1103m000)

When you start these sessions, default settings are generated from the company parameters related to the subentities. For example, if you click **Warehousing**, the Warehousing Settings by Site (whwmd2101m000) session opens and warehousing settings from various warehousing parameter sessions are defaulted to this session. You can change the default settings if required.

Defining subentity settings by site is a prerequisite to assign sites to entities, see next step. For example, you cannot link a site to a production department if production settings by site are not present. More information is provided in the Online Help of the settings by site sessions.

## Step 5:

In the Assign Sites (tceemm0250m000) session, assign sites to entities. Select the sites to be assigned and the types of entities to which the selected sites must be assigned. You can run this session multiple times, each time using different address attributes as criteria.

**Note:** Sites cannot be assigned to financial warehouses.

It is recommended to run this session in simulation mode and print an error report before running the actual assignment process. This helps you to verify the results and identify errors in the site assignment process. You can repeat the simulation run to correct errors as often as needed.

After running the actual assignment process, you can still change the assigned sites.

## Step 6:

Verify the results of the site assignment process. You must manually assign sites to entities for which the assignment process was unsuccessful. Repeat the assignment process and verify the results until all entities are assigned as required.

To manually assign sites to entities, from the relevant tabs in the Enterprise Unit (tceem0630m000) or the Site (tceem0650m000) session you can start these sessions:

Entity	Session
Work center	Work Centers (tirou0101m000)
Line station	Stations (tiasl1545m000)
Work cells	Work Cells (tirpt0140m000)
Repair cells	Repair Cells (tirpt0140m100)
Production department	<p>Production Departments (tirou2100m000)</p> <p>When a site is assigned to a <u>production department</u> during the site assignment process, the site is automatically passed on to the shop floor components related to the production department.</p> <p>The shop floor components include:</p> <ul style="list-style-type: none"> <li>■ <u>Work centers</u></li> <li>■ <u>Work cells</u></li> <li>■ <u>Line stations</u></li> <li>■ <u>Machines</u> related to work centers.</li> <li>■ <u>Repair cells</u></li> </ul> <p><b>Note</b></p> <p>If a site was not assigned to a production department, or if a site was not assigned to the related shop floor component, you must assign the site manually:</p> <ol style="list-style-type: none"> <li>1. Open the Production Departments (tirou2100m000) session.</li> <li>2. For each production department, specify a site (if not present) and click <b>Pass the Site</b> in the Production Department (tirou2600m000) session.</li> </ol>
Sales office	Sales Offices (tdsls0512m000)
Purchase office	Purchase Offices (tdpur0112m000)
Service office	Service Offices (tsmdm1100m100)
Accounting office	Departments (tcmcs0165s000)
Shipping office	Shipping Office (fmfmd0680m000)

---

Assembly lines    Assembly Lines (tiasl1530m000)

---

Warehouses       Warehouses (whwmd2500m000)

---

Service locations    Locations (tswcs0125m000)

---

### Step 7:

If machines not related to work centers are present, manually link these machines to sites using the Machines (tirou0102m000) session.

### Step 8:

In the Generate Master Data by Office (tccom0232m000) session, define default data by office. The default data by office are created based on the global default data.

Global default data are settings from sales, procurement, and service parameter sessions that are defaulted to sales offices, purchase offices, and service offices, respectively. These default settings can be changed for individual sales offices, purchase offices or service offices after you clear the Use Global check box in these sessions:

Office	Session	Use Global
Sales office	Sales Offices (tdsls0512m000)	<b>Use Global Sales Parameters</b>
Purchase office	Purchase Offices (td-pur0112m000)	<b>Use Global Procurement Parameters</b>
Service office	Service Offices (tsmdm1100m100)	<b>Use Global Service Parameters</b>

### Step 9:

Use the Validate Enterprise Model for Multisite (tccom0230m000) session to validate the enterprise model defined in the previous steps.

The error report lists, for example, the warehouses, offices or other department without sites, or shop floor elements whose sites are different from the sites of the related shop floor warehouses. The complete list of checks used in this validation is displayed in the report if the **Validation Information** check box is selected.

Repeat the validation until no more errors are listed.

## Chapter 7

# In Preparation - Generate Item Default Data

# 7

## Activate sites - In preparation, generate item default data

The first steps of the second stage of the site activation process comprise adding sites to item default data. These steps are optional, skip these steps if no item default data is defined for your multicompany structure.

### Step 1:

Click **In Preparation** on the **Sites** tab in the Multisite Concepts Activation (tcomm4600m000) workbench session. Consequently, the status of the concept changes to **In Preparation**.

### Step 2:

1. Generate default item data by site.

This is done in the Generate Master Data (tcom0231m000) session. This session is only available if the site activation status is **In Preparation**.

Recommended procedure:

- a. Select these check boxes:
    - **From Items** (in the **Item Defaults** column)
    - **Simulation**
    - **Process Report**
    - **Error Report**
  - b. Click **Generate**.
  - c. Check the process and error reports and correct any errors before actually generating master data. The error report is only generated if errors occur. You can repeat running the simulation until all errors are corrected.
  - d. Select the **From Planning** check box and repeat the previous steps.
- The resulting item by site default data is maintained in the Item Control and Defaults by Site (tcibd1552m000) session. See *Generating item default data by site* (p. 32).

2. Define item default data by sales, purchase, or service office.

For purchase offices and service offices, this is only required if the default data by office differ from the local default data. However, if the **Items Service by Office is Mandatory** is selected in the General Service Parameters (tsmdm0100m000) session, defining item default data is mandatory for service offices.

This is done manually:

- a. In the Item Defaults (tcibd0502m000) session, define an item type and item group combination.
- b. Add default data to this combination.
- c. Add sales, purchase, and service offices to this combination.

Consequently:

- Based on the default data, item data by sales office is generated during the activation process. This also applies to service offices if the **Items Service by Office is Mandatory** is selected in the General Service Parameters (tsmdm0100m000) session. For purchase offices, no item data is generated, you must manually specify this data.
- After the **Sites** concept is activated, when you create a new item based on the item defaults, item data by the sales or service office is generated. For purchase offices, no item data is generated, this must be created manually.

3. Define item default data by site and subentity.

This is done as follows:

- a. In the Item Defaults (tcibd0502m000) session, specify a site.
- b. In the Item Control and Defaults by Site (tcibd1552m000) session, select the relevant **Create** check boxes to specify the subentities for which default item data related to the site must be generated.

### Step 3:

Validate the default data by checking the **Item Defaults** check box and clicking **Validate** in the Validate Master Data for Multisite (tccom0230m100) session.

The **Validation Information** report in this session lists the validation checks performed.

## Generating item default data by site

Default item data by site are generated in the Generate Master Data (tccom0231m000) session by selecting the **From Items** and the **From Planning** check boxes in the **Item Defaults** column and clicking **Generate**. Preferably, first generate the **From Items** default data and then the **From Planning** default data.



## From Items

To add sites to the item default data, for each item related to an item group in the Item Defaults (tcibd0102m000) session, LN retrieves the sites of the warehouses linked to the items in these sessions:

- Item - Ordering (tcibd2100m000)
- Items - Planning (cprpd1100m000)
- Item Data by Warehouse (whwmd2510m000)
- Planned Inventory Transactions (whinp1500m000)
- Item - Warehouse - Inventory Transactions (whinr1510m000)
- Items - Sales (tdisa0501m000)
- Items - Purchase (tdipu0101m000)
- Items - Service (tsmdm2100m000)

The resulting item by site default data is maintained in the Item Control and Defaults by Site (tcibd1552m000) session.

## From Planning

To add sites to the item-planning default data in the Items - Planning Defaults (cprpd1110m000) session, in this session LN updates the **Ordering Site** field with the site of the warehouse in the **Default Warehouse** field.



## Chapter 8

# In Preparation - Generate Item Data

# 8

## Activate sites - In preparation, generate item data

Generating item data by site is a mandatory step in the site activation process.

The site related item data are generated using the Generate Master Data (tccom0231m000) session. This session is only available if the site activation status is **In Preparation**.

### Important!

To generate item data by site, you must perform steps 1 and 2 in the following procedure before generating any of the other item master data. This is because the data generated in these steps must be present before the other item data can be generated.

After completing steps 1 and 2, you are recommended to complete the following steps one by one, in the indicated order instead of selecting multiple options and generating master data for these options in one go. This is to achieve the best results and to avoid overburdening the system.

In each step performed in the Generate Master Data (tccom0231m000) session, it is recommended to select the **Simulation**, **Process Report**, and **Error Report** check boxes and correct any errors before actually generating master data. You can repeat the simulation and correct errors as often as required.

In the **Item Data** group box of the Generate Master Data (tccom0231m000) session:

1. Select the **From Items** check box to generate item data by site.

2. Click **Generate**.

The item data by site are added to these sessions:

- Items by Site (tcibd1550m000)
- Item - Ordering by Site (tcibd2150m000)
- Date-Effective Supply Source by Site (tcibd1155m000)

See *Generating general item data by site* (p. 37).

3. Select the **From Warehousing** check box to generate Warehousing item data by site.

**4. Click **Generate**.**

The item data from the Item Data by Warehouse (whwmd2510m000) session is added to the Item - Warehousing by Site (whwmd4104m000) session. The site is retrieved from the warehouse of the item in the Item Data by Warehouse (whwmd2510m000) session.

**5. Select the **From Planning** check box to update Enterprise Planning item data by site.**

**6. Click **Generate**.**

The site and the warehouse of the items in the Item - Ordering by Site (tcibd2150m000) session is added to the plan item in the Items - Planning (cprpd1100m000) session.

**7. Select the **From Production** check box to generate Manufacturing item data by site.**

**8. Click **Generate**.**

The Manufacturing item data is added to the Item - Production by Site (tiipd0151m000) session. See *Generating Manufacturing item data by site* (p. 38).

**9. Select the **From Procurement** check box to generate Purchase Control item data by site and purchase office.**

**10. Click **Generate**.**

The Purchase Control item data is added to the Items - Purchase by Site (tdipu0181m000) and Items - Purchase by Office (tdipu0181m100) sessions. See *Generating Procurement item data by site and office* (p. 38).

**11. Select the **From Sales** check box to generate Sales Control item data by site and sales office.**

**12. Click **Generate**.**

The Sales Control item data is added to the Items - Sales by Site (tdisa0181m100) and Items - Sales by Office (tdisa0181m000) sessions. See *Generating Sales item data by site and office* (p. 40).

**13. Select the **From Service** check box to generate Service item data by site.**

**14. Click **Generate**.**

The Service item data is added to the Items - Service by Site (tsmdm2120m100) and Items - Service by Service Office (tsmdm2120m000) sessions. See *Generating Service item data by site and office* (p. 41).

**15. Select the **From Project** check box and click **Generate** to add sites to the Project item and item default data and settings in the:**

- Items - Project Defaults (tppdm0506m000) session. The site is retrieved from the warehouse defined for the item in the Item - Ordering Defaults (tcibd2101m000) session.
- Items - Project (tppdm0505m000) session. The site is retrieved from the warehouse defined for the item in the Item - Ordering (tcibd2100m000) and Item - Ordering by Site (tcibd2150m000) sessions, and from the warehouse listed on deliverables, planned purchase orders, and planned warehouse orders.

16. In the Validate Master Data for Multisite (tccom0230m100) session, complete these steps to validate the data:
  - In the **Item Data** column, select the **All** check box.
  - Click **Validate**.

## Generating general item data by site

General item data by site are generated in the Generate Master Data (tccom0231m000) session by selecting the **From Items** and clicking **Generate**.

After selecting the **From Items** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN generates Common item data by site in these sessions:

- Items by Site (tcibd1550m000)
- Item - Ordering by Site (tcibd2150m000)
- Date-Effective Supply Source by Site (tcibd1155m000).

To generate general item data by site, for each item present in the Items (tcibd0501m000) session, LN completes these steps:

1. Check whether data is present in the Item Defaults by Site (tcibd1551m000) session.
2. If yes, based on the default data, generate item data by site in the Items by Site (tcibd1550m000) session. For these items, by default the **Use Global Item** check box is cleared in the Items by Site (tcibd1550m000) session.
3. If no, check whether the item is present in any of these sessions:
  - Item Control and Defaults by Site (tcibd1552m000)
  - Item - Ordering (tcibd2100m000)
  - Items - Planning (cprpd1100m000)
  - Item Data by Warehouse (whwmd2510m000)
  - Planned Inventory Transactions (whinp1500m000)
  - Items - Sales (tdisa0501m000)
  - Items - Purchase (tdipu0101m000)
  - Items - Service (tsmdm2100m000)
  - Planned Inventory Transactions (whinp1500m000)
  - Item - Warehouse - Inventory Transactions (whinr1510m000)
4. If no, take no further action. No data is generated.
5. If yes, retrieve the site of the warehouse of the item.
6. Add the site to the item data in the Items by Site (tcibd1550m000) session. For these items, by default the **Use Global Item** check box is selected in the Items by Site (tcibd1550m000) session.

For the Date-Effective Supply Source by Site (tcibd1155m000) session, data is also generated based on data from the Date-Effective Supply Source (tcibd0510m000) session and the Items by Site (tcibd1550m000) session.

## Supply sources

For non-planned items, and items for which no item-ordering data is present, the default supply source is set to **Distribution** in the Items by Site (tcibd1550m000) session.

For all other items, the default supply source is retrieved from the **Actual Supply Source** field of the Items (tcibd0501m000) session.

## Generating Manufacturing item data by site

After selecting the **From Production** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN generates Manufacturing item data by site in the Item - Production by Site (tiipd0151m000) session.

### Note

If an item is used for production in multiple sites, the **Use for Job Shop** check box is selected for only one of these sites. This is the first record that is generated. The reason is, because an item has only one bill of material (BOM). If production settings for multiple sites are present for an item, only one site-level item production record is allowed for the BOM.

The data is retrieved from:

- The Items (tcibd0501m000) session
- The Item - Production (tiipd0101m000) session
- The Item - Production Defaults (tiipd0102m000) session, if default data have been specified.
- The value in the **Site** field is retrieved from the warehouse or the work center listed in these sessions:
  - Bill of Material (tibom1110m000)
  - Generic BOMs (tipcf3110m000)
  - Production Orders (tisfc0501m000)
  - Production Schedules (tirpt4101m000)
  - Production Schedule Lines (tirpt4102m000)
  - Routing Operations (tirou1102m000). Sites are not retrieved from subcontracting work centers.

## Generating Procurement item data by site and office

After selecting the **From Procurement** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN generates Purchase Control item data by site in the Items - Purchase by Site (tdipu0181m000) session and item data by purchase office in the Items - Purchase by Office (tdipu0181m100) session. In these sessions, you can verify and, if required, adjust the generated results.

## Items - purchase by site

The procurement data by site is generated for the sites retrieved from:

- The warehouses listed in these sessions:
  - Delivery Patterns by Warehouse / BP / Item (tdipu0124m000)
  - RFQ Lines (tdpur1502m000)
  - RFQ Responses (tdpur1506m000)
  - Purchase Requisitions (tdpur2501m000)
  - Purchase Contract Lines Overview (tdpur3501m500)
  - Purchase Order - Lines to be Released (tdpur4501m140)
  - Purchase Orders - by Manual Activities (tdpur4501m150)
  - Purchase Order - Lines to be Received (tdpur4501m400)
  - Purchase Order Lines Monitor (tdpur4501m500)
  - Purchase Order Material Supply Lines (tdpur4116m000)
  - Purchase Order Change Request Material Supply Lines (tdpur4116m100)
- The site of the line station linked order line information in the Purchase Order Line - Linked Information (tdpur4502s000) session.

## Items - purchase by office

If data is present for the relevant item type and item group in the Items - Purchase Defaults by Office (tdipu0182m100) session, procurement item data by office is generated for the offices and items combinations retrieved from these sessions:

- Request for Quotation (tdpur1600m000)
- RFQ Lines (tdpur1502m000)
- Purchase Requisitions (tdpur2501m000)
- Purchase Requisition (tdpur2600m000)
- RFQ Responses (tdpur1506m000)
- Purchase Contracts Overview (tdpur3500m500)
- Purchase Contract Lines Overview (tdpur3501m500)
- Purchase Contracts - by Item/Price Group (tdpur3510m000)
- Purchase Schedules (tdpur3110m000)
- Purchase Schedule (tdpur3511m000)
- Purchase Schedule Lines (tdpur3111m000)
- Project Related Data For Schedule (tdpur3111m100)
- Purchase Schedule Lines (tdpur3111m200)
- Purchase Orders - Overview (tdpur4500m500)
- Purchase Orders (tdpur4100m000)
- Purchase Order Lines (tdpur4101m000)
- Purchase Order Change Request Material Supply Lines (tdpur4116m100)

## Generating Sales item data by site and office

After selecting the **From Sales** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN generates Sales Control item data by site in the Items - Sales by Site (tdisa0181m100) session and item data by sales office in the Items - Sales by Office (tdisa0181m000) session. In these sessions, you can verify and, if required, adjust the results.

### Sales items

In these sessions, the **Site** field is filled with the site of the warehouse in the **Warehouse** field:

- Items - Sales (tdisa0501m000)
- Item - Sales Defaults (tdisa0602m000)

### Sales item data by site

If data is present for the relevant item type and item group in the Item - Sales Defaults by Site (tdisa0182m100) session, sales item data by site is generated in the Items - Sales by Site (tdisa0181m100) session based on the sites of the warehouses and the work centres listed in these sessions:

- Sales Order Lines (tdsls4101m000)
- Sales Order Material Supply Lines (tdsls4116m000)
- Sales Order Line Components (tdsls4163m000)
- Sales Quotation Lines (tdsls1501m000)
- Sales Contract Lines (tdsls3501m000)
- Sales Release Lines (tdsls3508m000)
- Sales Release Lines - Sequence Shipping Schedule (tdsls3116m000)
- Sales Release Line Details - Pick-up Sheet (tdsls3116m100)
- Sales Release Lines - Sequence Shipping Schedule (tdsls3116m200)
- Sales Schedules (tdsls3111m000)
- Sales Schedule Lines (tdsls3107m000)
- Pick-up Sheets (tdsls3107m100)
- Inventory Consumptions (tdsls4140m000)
- Inventory Consumption Lines (tdsls4141m000)
- Orders by Inventory Consumption Line (tdsls4142m000)
- Sales Order Template Lines (tdsls2506m000)

### Sales item data by office

For existing item data by sales office in the Items - Sales by Office (tdisa0181m000) session, the site of the warehouse is added. New data is generated based on the sales office listed in these sessions:

- Sales Order Lines (tdsls4101m000)
- Sales Order Line Components (tdsls4163m000)
- Sales Quotation Lines (tdsls1501m000)



- Sales Contract Lines (tdsls3501m000)
- Sales Schedules (tdsls3111m000)

In the Items - Sales Defaults by Sales Office (tdisa0182m000) session, the **Site** field is filled with the site of the warehouse in the **Warehouse** field.

## Generating Service item data by site and office

After selecting the **From Service** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN generates Service item data by site.

### Serialized Items (tscfg2100m000)

In the Serialized Items (tscfg2100m000) session, the value in the:

- **Production Site** field is retrieved from the site of the warehouse listed on the production orders, production schedules, or assembly orders that initiated the production of the item.
- **Repair Site** field is retrieved from the site of the warehouse listed in the **Warehouse** field of the Serialized Items (tscfg2100m000) session.
- **Location Site** field is retrieved from the site of the address listed in the **Address** field of the Serialized Items (tscfg2100m000) session.

### Items - Service (tsmdm2100m000)

In the Items - Service (tsmdm2100m000) session, the value of the **Site** field is updated with the site of the warehouse in the **Warehouse** field.

### Items - Service Defaults (tsmdm2105m000)

In the Items - Service Defaults (tsmdm2105m000) session, the value of the **Site** field is updated with the site of the warehouse in the **Warehouse** field.

### Items - Service by Service Office (tsmdm2120m000)

In the Items - Service by Service Office (tsmdm2120m000) session, new data is generated if:

- The **Items Service by Office is Mandatory** check box is selected in the General Service Parameters (tsmdm0100m000) session. The data is based on the service office present in:
  - Service orders
  - Maintenance sales orders
  - Maintenance work orders
  - Claims
  - Maintenance sales quotes
- Data is present in the Items - Service Defaults by Service Office (tsmdm2125m000) session, the new data is based on the default data.

For existing data in the Items - Service by Service Office (tsmdm2120m000) session, the value in the **Repair Site** field is updated with the site of the warehouse in the **Repair Warehouse** field.

#### Items - Service by Site (tsmdm2120m100)

In the Items - Service by Site (tsmdm2120m100) session, new data is generated based on:

- The site present in:
  - Service orders
  - Maintenance sales orders
  - Maintenance work orders
  - Claims
  - Maintenance sales quotes
- Data from the Items - Service Defaults by Site (tsmdm2125m100) session, if default data is present.

#### Items - Service Defaults by Service Office (tsmdm2125m000)

In the Items - Service Defaults by Service Office (tsmdm2125m000) session, the site of the warehouse in the **Repair Warehouse** field is updated to the **Repair Site** field.

## Chapter 9

# In Preparation - Generate Other Site Related Master Data

# 9

## Activate sites - In preparation, generate other site related master data

Generating site related master data other than item data is a mandatory step in the site activation process.

The other than item master data are generated using the Generate Master Data (tccom0231m000) session. This session is only available if the activation status is **In Preparation**.

For the best results, and to avoid overburdening the system, you are recommended not to generate all site related master data at once but to complete this process by carrying out the following steps one by one, in the indicated order.

In each step performed in the Generate Master Data (tccom0231m000) session, it is recommended to select the **Simulation**, **Process Report**, and **Error Report** check boxes and correct any errors before actually generating master data. You can repeat running the simulation until all errors are corrected.

In the **Other Master Data** group box of the Generate Master Data (tccom0231m000) session, select:

1. The **For Common** check box to add the **Ship-from Site** and the **Ship-to Site** to the Scenarios by Landed Costs Set (tclct1105m000) session. In this session, the site of the **Ship-from Warehouse** is defaulted to the **Ship-from Site**, and the site of the **Ship-to Warehouse** is defaulted to the **Ship-to Site**.
2. The **For Production** check box to add sites to Manufacturing data.  
See *Generating other Manufacturing master data by site* (p. 44).
3. The **For Procurement** check box to generate Purchase Control master data by site.  
See *Generating other Procurement master data by site* (p. 45).
4. The **For Sales** check box to generate Sales Control master data by site.  
See *Generating other Sales master data by site* (p. 46).
5. The **For Service** check box to generate Service master data by site.

See *Generating other Service master data by site* (p. 46).

6. The **For Quality** check box to generate Quality master data by site.  
See *Generating other Quality master data by site* (p. 47).
7. The **For Warehousing** check box to generate Warehousing master data by site. If the kit type is **Product**, the **Site** field is populated with the site related to the supply-from and supply-to warehouse.  
If the supply-from and supply-to warehouses have different sites, a site is not added and an error is listed in the report. If the kit type is **Line Station**, the site of the first warehouse of the first kit component is assigned.
8. In the Validate Master Data for Multisite (tccom0230m100) session, complete these steps to validate the data:
  - In the **Other Master Data** column, select the **All** check box.
  - Click **Validate**.

## Generating other Manufacturing master data by site

After selecting the **For Production** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN adds sites to these sessions:

- Production Models (tirpt2100m000)
- Products (tirpt2130m000)
- Subcontracting Models (tisub1100m000)
- Subcontracting Bill of Material (tisub1110m000)
- Tool Numbers (titrp0102m000)
- Tool Kits (titrp0103m000)

### Process

To add a site to a production model and a product, LN completes these steps:

1. Check if the work cell, repair cell, receiving warehouse, and quarantine warehouse related to the production model have the same site. If no, a site is not added to the production model and the process continues checking the next production model. See note.
2. Assign the site of the production model's work cell to the production model in the Production Models (tirpt2100m000) session.
3. Add a site to the production model's item in the Items by Site (tcibd1550m000) and Item - Production by Site (tiipd0151m000) sessions, if not yet added during the *Generating Manufacturing item data by site* (p. 38) process step.
4. Add the site of the production model to the product in the Products (tirpt2130m000) session.
5. Repeat these steps for the other product models and products present in the multicompany environment.

To add a site to a subcontracting model and a subcontracting bill of material (BOM), LN completes these steps:

1. Check if the warehouses of the materials related to the subcontracting model have the same site.  
If no, a site is not added and the process continues checking the next subcontracting model. See note.
2. Add the site of the warehouses to the subcontracting model in the Subcontracting Models (tisub1100m000) session.
3. Add the site of the subcontracting model to the subcontracting bill of material (BOM) in the Subcontracting Bill of Material (tisub1110m000) session.

### Note

If a site cannot be added, an error is listed on the report. You must manually adjust the sites of the related warehouses.

Next, you must add the correct site to the production or subcontracting model either manually or by rerunning the process by selecting the **For Production** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session.

To add a site to a tool number and a toolkit, LN completes these steps:

1. Assign site of the warehouse related to the tool number to the tool number in the Tool Numbers (titrp0102m000) session.
2. Check if the tool numbers of the toolkit relate to the same site. If no, a site is not added to the toolkit and you must manually adjust the sites of the tool numbers and add a site to the toolkit either manually or by rerunning the process.
3. Assign the site of the tool numbers of the toolkit to the toolkit in the Tool Kits (titrp0103m000) session.

## Generating other Procurement master data by site

After selecting the **For Procurement** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN adds sites to these sessions:

- Delivery Patterns by Warehouse / BP / Item (tdipu0124m000)
- Planned Delivery Moments (Shipment Based) (tdipu0125m000)
- Planned Delivery Moments (Receipt Based) (tdipu0126m000)
- Purchase Offices (tdpur0112m000)
- Purchase User Profiles (tdpur0143m000)
- Purchase Contracts (tdpur3100m000)
- Purchase Contract Lines (tdpur3101m000)

## Process

The site that is added to these sessions is retrieved from the related warehouse.

## Generating other Sales master data by site

After selecting the **For Sales** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN adds sites to these sessions:

- Items - Sales Business Partner (tdisa0510m000)  
The ship-from site is retrieved from the ship-from warehouse, and the ship-to site is retrieved from the ship-to warehouse.
- Items - Sales Business Partner by Office (tdisa0190m000)  
The site is retrieved from the ship-from warehouse.
- Items - Sales Business Partner by Site (tdisa0190m100)  
The site is retrieved from the ship-to warehouse.
- Sales Offices (tdsls0512m000)  
The site is retrieved from the related warehouse.
- Sales User Profiles (tdsls0139m000)  
The site is retrieved from the related warehouse.
- Sales Contract Lines (tdsls3501m000)  
The site is retrieved from the related warehouse and ship-to warehouse.

### Note

If a site is not specified for a warehouse related to an object in the above sessions, you must add sites to the warehouses and to the **Site** field in the above sessions.

## Generating other Service master data by site

After selecting the **For Service** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN adds sites to these sessions:

- Installation Groups (tsbsc1100m000)  
To fill the **Location Site** field, LN takes the site related to the department specified in the **Ownership Department** field. The **Repair Site** field is populated with the site related to the **Operations Department**.
- Service Offices (tsmdm1100m000)

Field:	Is populated with warehouse related to field:
<hr/>	

Site	Warehouse
Site Incoming Parts	Warehouse Incoming Parts
Site Outgoing Parts	Warehouse Outgoing Parts

- Service User Cost Defaults (tsmdm1162m000)  
Sites are only applicable for cost type **Material**. The **Site** field is populated with the site related to the warehouse specified in the **Warehouse** field.
- Items - Service Business Partner by Site (tsmdm2130m200)  
The **Site** field is populated with the site related to the warehouse specified in the **Warehouse** field.

## Generating other Quality master data by site

After selecting the **For Quality** check box and clicking **Generate** in the Generate Master Data (tccom0231m000) session, LN adds sites to these sessions:

- Testing Combinations (qmptc0119m000)

Field:	Is populated with warehouse related to field:
Site	From Warehouse
To Site	To Warehouse

- Quality Series Defaults (qmptc0131m000)  
If a warehouse is specified, the **Site** field is populated with the site related to the warehouse.  
If a department and no warehouse is specified, the **Site** field is populated with the site related to the department.  
If an enterprise unit and no warehouse or department is specified, the **Site** field is populated with the site related to the enterprise unit.





## Activate sites - Activating the Sites parameter

The final stage in the activation process is the actual multisite activation.

You can only execute this stage if:

- You have super user authorization.
- The activation status is **In Preparation**.

Before launching the activation:

- Complete and successfully validate the setup in the **In Preparation** stage.
- It is strongly recommended to create a backup of the company environment.

To activate the multisite concept:

1. Click **Activate** on the **Sites** tab in the Multisite Concepts Activation (tceem4600m000) workbench session.
2. Click Yes in the dialog box displaying the message: "This step will lock the companies to start the Data Upgrade Run. Do you want to continue?"  
**Note:** Locking the companies means that the sessions of the company environment are unavailable for end users during the execution of the process.
3. In the Initialize Data Upgrade Run (ttspt2200m000) session that starts, specify the settings for the data upgrade run.
  - To immediately start the data upgrade run, select the **Start Data Upgrade Engine After Initialization** and click **Initialize**. See step 8 for the steps carried out during the data upgrade run.
  - Otherwise, clear this check box and see next step.
4. Click **Initialize** to complete the creation of the data upgrade run and close the Initialize Data Upgrade Run (ttspt2200m000) session.
5. Start the Data Upgrade Runs (ttspt2500m000) session.

6. Select the data upgrade run created in the previous steps and if required, adjust the settings.
7. In the appropriate menu, select Data Upgrade Engine.
8. In the Data Upgrade Engine (ttspt2201m000) session that opens, check the run settings if required and click **Continue** to start the data upgrade run. You can run the process in simulation mode first.

The data upgrade run includes these steps:

- a. Revalidate the master data setup.
- b. Add sites to operational data such as orders, quotations, claims, shipments, and so on, that are not stored in history tables.
- c. Set the **Sites** concept to **Active** in the Multisite Concepts Activation (tcomm4600m000) workbench session.
- d. Unlock the sessions of the company environment.  
**Note:** This means that from this step onward, end users can resume working in the company environment.
- e. Assign sites to history data, that is, orders, shipments, quotations, and so on that are present in history tables.

#### Note

In case of errors during the revalidation of the master data setup, an error report is created and the process stops. You must manually correct the errors and restart the data upgrade run starting the Data Upgrade Runs (ttspt2500m000) session and clicking Data Upgrade Engine.

# Appendix A

## Glossary

# A

### appropriate menu

Commands are distributed across the **Views**, **References**, and **Actions** menus, or displayed as buttons. In previous LN and Web UI releases, these commands are located in the *Specific* menu.

### bill of material (BOM)

A list of all parts, raw materials, and subassemblies that go into a manufactured item and show the quantity of each of the parts required to make the item. The BOM shows the single-level product structure of a manufactured item.

### calculation office

A work center of the type **Costing** that is used to determine the enterprise unit for a project, or production order and also has an administrative function.

#### Note

When linked to production orders, the **Use as Calculation Office** check box in the Work Centers (tirou0101m000) session must be selected for the work center.

### cost type

Categories that are used to register the type of costs. Cost types enable you to have a more detailed view of the source of costs.

### effectivity unit

A reference number, for example a sales order line or a project deliverable line, that is used to model deviations for a unit effective item.

### enterprise unit

A financially independent part of your organization that includes entities such as departments, work centers, warehouses, and projects. The enterprise unit's entities must all belong to the same logistic company, but a logistic company can contain multiple enterprise units. An enterprise unit is linked to a single financial company.

When you carry out logistic transactions between enterprise units, the resulting financial transactions are posted to the financial companies to which each enterprise unit is linked.

### entity

A separate and independent building block for a planning cluster, site, or enterprise unit. For example, warehouse, work center, employee, sales department, purchase department, project, customer, supplier, financial company.

### financial company

A company that is used for posting financial data in Financials. You can link one or more enterprise units from multiple logistic companies to one financial company.

### financial warehouse

A warehouse with warehouse type **Financial**. A financial warehouse is used to show the inventory levels and enable financial processing of owned inventory that is actually stored in a physical, that is, "real," warehouse belonging to another business unit or branch office within the same organization. The owning unit and the unit storing the inventory have their own p & l accountability.

### intercompany trade relationship

A "from and to" relationship between two parts of an organization. When an intercompany trade relationship is defined, the transactions between the from and the to-part of the relationship are regarded as intercompany trade. Consequently, specific cost and revenue bookings are posted for the from and the to-part.

The from-part incurs costs for goods delivered or services rendered to the to-part. The to-part is indebted to the from-part. The from-part invoices the to-part to be compensated for the costs incurred, if specified in the intercompany trade agreement.

The parts constituting an intercompany trade relationship can be:

- A financial company
- An enterprise unit
- An entity

A trade relationship between two parts applies to the underlying entities linked to these parts. For example, a trade relationship between two enterprise units applies to the entities linked to these enterprise units.

An intercompany trade relationship is linked to one or more intercompany trade agreements. In turn, each intercompany trade agreement is linked to an intercompany trade scenario. In this way, transfer pricing rules are defined for each trade scenario that is linked to the trade relationship. The transfer pricing rules determine the amounts of the intercompany trade transactions and, if specified, the internal invoices.

### item group

A group of items with similar characteristics. Each item belongs to a particular item group. The item group is used in combination with the item type to set up item defaults.

### line station

A work center that is part of an assembly line. A line station is used in the production of FAS (final assembly schedule) items. A line station can have multiple positions, which enables more than one item to be present in one line station.

### logistic company

An LN company used for logistic transactions, such as the production and transportation of goods. All the logistic data concerning the transactions is stored in the company's database.

## machine

In LN, a mechanical object on which operations can be carried out to produce items.

Machines are linked to operation rates. The operation rate and the labor rate together form the basis for the actual costing of production orders.

## 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.

## plan item

An item with the order system **Planned**.

The production, distribution, or purchase of these items is planned in Enterprise Planning based on the forecast or the actual demand.

You can plan these items by means of the following:

- Master-based planning, which is similar to master production scheduling techniques.
- Order-based planning, which is similar to material-requirements planning techniques.
- A combination of master-based planning and order-based planning.

Plan items can be one of the following:

- An actual manufactured or purchased item.
- A product family.
- A basic model, that is, a defined product variant of a generic item.

A group of similar plan items or families is called a product family. The items are aggregated to give a more general plan than the one devised for individual items. A code displayed by the item code's cluster segment shows that the plan item is a clustered item that is used for distribution planning.

## planned purchase order

A planned order in Enterprise Planning to purchase a certain quantity of an item from a supplier (buy-from business partner).

## planned warehouse order

An order created in Sales that forms the basis for most schedule-related processes. Planned warehouse orders, which are created during sales schedule approval, decouple schedule updates and revisions from warehouse orders. They serve as the interface between Sales on one hand and Warehousing and Invoicing on the other hand.

### planning cluster

An object used to group warehouses for which the inbound and outbound flow of goods and materials is planned collectively. For this purpose, the demand and supply of the warehouses of the planning cluster is aggregated. Within a planning cluster one supply source is used, such as production, purchasing or distribution.

If multisite is implemented, a planning cluster must include one or more sites. The site or sites include the warehouses for which the planning processes are performed.

### product

An item that is purchased, subcontracted, manufactured, or assembled.

### production department

A group of production resources, work centers and work cells, physically related to each other. For example, a production hall is a production department.

### production model

A predefined configuration used in repetitive manufacturing that specifies the production method, list of materials, time and capacity required and reporting method.

A production model contains the following:

- Production process
- Time and capacity required
- Production process reporting
- Materials supply process
- Item inspection method
- Required tools

If the **Multi-Product Production** check box on a production model is selected, a list of products is added to the production model that specifies which items are produced.

#### Note

- Production models are revision controlled. A new revision is generated for every change to the existing configuration.
- The order system must be **Planned**.
- Project Control is disabled.

### purchase office

A department in your organization that is responsible for buying the materials and services required by your organization. You assign number groups to the purchase office.

## repair cell

A repair cell is a dedicated work cell linked to a production model.

### Note

- A repair cell cannot be linked to work stations.
- Repair cells are used in repetitive manufacturing to repair rejected items.

## sales office

A department that is identified in the company business model to manage the business partner's sales relations. The sales office is used to identify the locations that are responsible for the organization's sales activities.

## 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.

## standard cost

The sum of the following item costs as calculated by the standard cost calculation code:

- Material costs
- Operational costs
- Surcharges

Prices that are calculated against other price simulation codes are simulated prices. The standard cost is used for simulation purposes and in transactions when no actual price is available.

Standard cost is also an inventory valuation method for accounting purposes.



**subentity**

A reference to an LN package, such as Manufacturing or Warehousing. For example, items by subentity refer to sessions such as Items - Planning (cprpd1100m000), or Item Data by Warehouse (whwmd2510m000). Similarly, site by subentity refers to site data by LN package, which is available in sessions such as Warehousing Settings by Site (whwmd2101m000) or Production Settings by Site (timfc0180m000).

**warehouse**

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

**work cell**

A production unit consisting of one or more work stations in a fixed sequence.

A work cell is used in repetitive manufacturing for the production of a repetitive item.

**work center**

A specific production area consisting of one or more people and/or machines with identical capabilities, that can be considered as one unit for purposes of the capacity requirement planning and detailed scheduling.



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