



Infor LN User Guide for Landed Costs

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About this Guide

This document explains the process to set up and use landed costs. The use of landed costs for RFQs, purchase and transfer orders, order receipts, freight orders, purchase schedules, schedule receipts, ASNs, and the invoice matching of landed costs is also detailed.

Assumed knowledge

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

References

Use this guide as the primary reference for landed costs. Use the current editions of these related references to research information that is not covered in this guide:

- *User Guide for Requests for Quotation (RFQs)*
- *User Guide for Purchase Orders*
- *User Guide for Price Stages*
- *User Guide for Purchase and Sales Schedules*
- *User Guide for Freight Management*
- *User Guide for the Inbound Goods Flow*
- *User Guide for Accounts Payable*

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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Chapter 1: Overview

Landed costs – overview

Landed costs, which can be linked to purchase transactions, are the total of all costs that are associated with the procurement of an item until delivery and receipt in a warehouse. Landed costs typically include freight costs, insurance costs, customs duties, and handling costs. For specific landed costs, separate business partners can be involved. Landed costs give you insight into the real procurement costs of an item.

Landed costs in the procurement process

During the entire procurement process, landed costs must be taken into account:

- **Purchasing**
Landed costs can be added to requests for quotation (RFQs), purchase orders, warehouse transfer orders, freight orders, purchase schedules, and ASNs. These costs are defaulted, but they can be changed.
- **Receiving**
During the receiving process, all landed costs are defaulted and added to the inventory value of the received item.
- **Purchase invoice processing**
Users can receive, match, approve, and pay a purchase invoice for landed costs. Therefore, the inventory value of the received items will be updated. A purchase invoice can also be processed before the goods are received.

Cost basis for landed costs

Variable landed costs depending on the quantity, variable landed costs can be calculated using one of these methods:

- **By Quantity**
- **By Volume**
- **By Weight**
- **Percentage of Value**
- **By Freight Management**
- **By Distance**
- **Surcharge Percentage**

Fixed landed costs Fixed landed costs are calculated using the **Fixed Amount** method. In that case, landed costs can be specified per:

- RFQ bidder (header)

- RFQ response (line)
- Purchase order header
- Purchase order line
- Shipment notice header
- Receipt header
- Receipt line

If a fixed amount is specified on header level, this amount is *apportioned* to the lines.

Landed costs setup

Before landed costs can be linked to purchase transactions, you must define the master data.

Landed costs on purchase transactions

Landed costs are linked to requests for quotation (RFQs), purchase orders, warehouse transfer orders, freight orders, purchase schedules, ASNs, and receipts using landed cost lines.

A landed cost line can be:

- Automatically generated, based on a *landed costs scenario*
- Copied from the origin to which the landed cost line was initially linked
- Manually specified or modified

Price stages

Landed cost lines that are linked to purchase order lines can include *price stages*.

Matching and approving of purchase invoices

Purchase invoices for landed costs can be received, registered, and paid in Accounts Payable, like regular purchase invoices.

- During the warehouse receipt, invoice receipt lines are created for the regular purchase lines and for the landed cost lines.
- Purchase invoices for landed costs will be registered as **Invoice Related to Landed Costs**.
- Based on a purchase number or packing slip number, purchase invoices can be matched with the landed cost receipt lines, and then approved.
- Matching can be done individually and by range.

Chapter 2: Setup

Landed costs – setup

To set up landed costs:

- 1** In the **Implemented Software Components (tccom0500m000)** session, on the **Concepts (Logistics)** tab, ensure that the **Landed Costs** check box is selected.
In the **Implemented Software Components (tccom0500m000)** session, on the **Concepts (Logistics)** tab, ensure that the **Landed Costs** check box is selected.
- 2** In the **Landed Costs Parameters (tclct0100m000)** session, specify these fields:
 - Landed Costs Search Date
 - Recalculate Landed Costs
 - Method of Calculating Average Landed Cost
 - Apply Landed Costs on Request for Quotation
 - Write Landed Costs for Purchase Push Schedules
 - Landed Costs on Backorder based on
 - Apportion Fixed Amounts for Purchase Orders upon
- 3** In the **Landed Cost Types (tclct0110m000)** session, specify *landed cost types*.
In the **Landed Cost Types (tclct0110m000)** session, specify *landed cost types*.
- 4** In the **Landed Costs (tclct1115m000)** session, specify *landed costs*.
In the **Landed Costs (tclct1115m000)** session, specify *landed costs*.
- 5** In the **Landed Costs Classifications (tclct0120m000)** session, specify *landed costs classifications*.
In the **Landed Costs Classifications (tclct0120m000)** session, specify *landed costs classifications*.
- 6** In the **Landed Costs Sets (tclct1100m000)** session, specify *landed costs sets*.
In the **Landed Costs Sets (tclct1100m000)** session, specify *landed costs sets*.
- 7** In the **Scenarios by Landed Costs Set (tclct1105m000)** session, specify *landed costs scenarios*.
In the **Scenarios by Landed Costs Set (tclct1105m000)** session, specify *landed costs scenarios*.

Note: If you use the Enterprise Modeler Content Pack with LN, consider using the MPU3100 (Landed Costs) *wizard* to set up landed costs. You can execute this predefined wizard from the **Wizards by Project Model (tgwzr4502m000)** session after you specified the *business function model* for your company.

Chapter 3: Requests for quotation (RFQs)

Landed costs – requests for quotation (RFQs)

This topic explains how *landed costs* are used in combination with *requests for quotation (RFQs)*.

Note

- The Apply Landed Costs on Request for Quotation check box in the **Landed Costs Parameters (tclct0100m000)** session determines if landed costs can be linked to an RFQ.
- An RFQ includes the RFQ header, RFQ line, RFQ bidder, RFQ response, and RFQ negotiation objects. Landed costs can only be linked to an *RFQ bidder*, *RFQ response*, and *RFQ negotiation*.

After receiving the bidders' RFQ responses, the landed costs can be considered when comparing the results. Landed costs can be charged by the supplier of the goods (bidder), and also by a third party supplier, such as the carrier responsible for the transport of the goods.

Bidder landed costs are applicable if the **Buy-from Business Partner** of the landed cost line and the **Bidder** of the RFQ are the same. If not, third party landed costs are applicable. Both bidder landed costs and third party landed costs can be linked to an RFQ.

Bidder landed costs can be negotiated during the *RFQ negotiation* process. Third party landed costs cannot be negotiated.

Landed costs - RFQ Bidder

To link landed costs to an **RFQ Bidder**:

1 Search for RFQ Bidder landed costs

When an *RFQ bidder* is specified, LN searches for active *landed costs sets* in the Scenarios by Landed Costs Set (tclct1105m100) session, based on:

- The Landed Costs Search Date, as specified in the **Landed Costs Parameters (tclct0100m000)** session.
- The **Used for** field, which must be set to **Order Header**.
- The RFQ Bidder search fields, which must match the *landed costs scenario's* search attributes.
- The Priority.

2 Link landed costs to RFQ Bidder

When a landed costs set is identified, the landed costs are saved in the Landed Cost Lines (tclct2100m000) session. This session is linked to the RFQ Bidder in the **RFQ Bidders (tdpur1505m000)** session. The **Origin** is set to **Master Data** for these RFQ Bidder landed cost lines.

3 Update landed cost lines

If required, you can manually update the retrieved landed cost lines and add or delete the lines. This is only applicable if no **Accepted** or **Processed** responses exist for the RFQ Bidder. Updates to RFQ Bidder landed costs are synchronized with the landed costs of the related RFQ Responses.

Note:

- The RFQ bidder does not include quantity, price, or amount data. Therefore, no landed cost amount is calculated for the RFQ Bidder.
- To retrieve specific landed costs for an RFQ Bidder, you can specify the Landed Costs Classification field in the **RFQ Bidders (tdpur1505m000)** session.

Landed costs - RFQ Response

RFQ Responses are generated and the landed costs are retrieved automatically. The landed costs are retrieved when the status of the response line is **Responded** or **Negotiating**.

RFQ Response landed costs can be:

- *Synchronized* from the RFQ Bidder.
- *Apportioned* from the RFQ Bidder. This applies to landed costs for which the **Calculation Method** field is set to **Fixed Amount** and the Fixed Amount Level is **Order Header, Shipment Notice, or Receipt Header** in the **Landed Cost Lines (tclct2100m000)** session. Apportioned lines are not negotiable and cannot be updated on the RFQ Response.
- Defaulted from the master data.

LN searches for active *landed costs sets* in the Scenarios by Landed Costs Set (tclct1105m100) session, based on:

- The Landed Costs Search Date, as specified in the **Landed Costs Parameters (tclct0100m000)** session.
- The **Used for** field, which must be **Order Line or Schedule and Order Line**.
- The RFQ Response search fields, which must match the *landed costs scenario's* search attributes.
- The Priority.

To avoid creating the same landed costs twice, the synchronized landed costs are skipped.

When a landed costs set is found, the landed costs are stored in the Landed Cost Lines (tclct2100m000) session. This session is linked to the RFQ Response in the **RFQ Responses (tdpur1506m000)** session. The **Origin** is set to **RFQ Bidder** or **Master Data** for these RFQ Response landed cost lines.

You can update, add, or delete the landed cost lines. After an *RFQ negotiation* is available for the response line in the RFQ Negotiations (tdpur1606m000) session, you can no longer update the landed costs for the response line. LN synchronizes the last negotiation line's landed costs with the response line.

Note:

In the **RFQ Responses (tdpur1506m000)** session:

- Specify the Landed Costs Classification field to retrieve specific landed costs for an RFQ Response.
- You can view the bidder landed costs and the third party landed costs separately for the linked landed costs.

Landed costs - RFQ Negotiation

An *RFQ negotiation* can be used to negotiate about the bidder's response. When specifying the first negotiation line, the landed costs from the **RFQ Response** are copied to the **RFQ Negotiation**. Apportioned landed cost lines are not displayed, because the lines are not negotiable.

An RFQ negotiation includes the response of the bidder and counter proposal of the buyer which are linked to their respective landed cost lines.

You can update, add, or delete the landed cost lines as long as the RFQ negotiation is not acknowledged. Updates to the last RFQ Negotiation landed costs are synchronized with the landed costs of the RFQ Response.

When copying an RFQ negotiation line, the landed costs of both the response and the counter proposal are copied.

Note: In the **RFQ Negotiations (tdpur1606m000)** and **RFQ Negotiations (tdpur1109m000)** sessions, you can view the bidder landed costs and the third party landed costs separately. Only the bidder landed costs are negotiable.

Maintaining landed costs for RFQs

If a search field on the RFQ bidder, RFQ response, or RFQ negotiation is modified, the landed costs can be recalculated. The Recalculate Landed Costs field in the **Landed Costs Parameters (tclct0100m000)** session is used to determine the recalculation process.

You can use the Landed Cost Lines by RFQ Bidder (tclct2100m600) session to manually change, add, cancel, or delete landed cost lines for an **RFQ Bidder**, **RFQ Response**, or **RFQ Negotiation**.

You cannot change, cancel, delete, or add landed cost lines if:

- **RFQ Bidder**
An **Accepted**, **Processed**, or **Rejected** response exists for the **RFQ Bidder**.
- **RFQ Response**
The response status is **Accepted**, **Processed**, or **Rejected**, or an RFQ negotiation exists for the **RFQ Response**.
- **RFQ Negotiation**
The RFQ negotiation is acknowledged.

If you change or cancel landed cost lines in the **Landed Cost Lines by RFQ Bidder (tclct2100m600)** session, and you click **Apply to all** on the *appropriate menu*, the changes made to the line are applied to all other lines of the RFQ with the same combination of **Landed Costs Code**, **Landed Cost Type**, and **Buy-from Business Partner**. If a new landed cost line is added, you can add this landed cost line to the existing lines of the RFQ for which the landed cost line is not yet linked and for which the combination of **Code**, **Type**, and **Business Partner** does not exist.

Comparing RFQ responses

Click **Compare Responses** on the *appropriate menu* of the **RFQ Lines (tdpur1502m000)**, **RFQ Bidders (tdpur1505m000)**, or **RFQ Responses (tdpur1506m000)** sessions to compare *response lines* in the RFQ Compare Responses (tdpur1600m100) session. The response lines must have the status **Responded**, **Negotiating** or **Accepted**.

You can perform a comparison based on:

- Criteria set
- Prices
- Criteria set grouped by bidder
- Prices grouped by bidder

For all comparisons, the landed costs can be considered.

Converting RFQ responses

You can convert a response line to a purchase order, purchase contract, or price book.

The landed costs are converted only if the response line is converted to a purchase order. Landed costs are not linked to purchase contracts and price books, which means the landed costs are ignored during conversion.

If the **Apply Landed Costs** check box is selected for the RFQ header, a response line's landed costs are copied to the resulting purchase order. If this check box is selected, but the response line does not have linked landed costs, LN does not retrieve landed costs for the purchase order. If this check box is cleared, the landed costs are not copied from the response line, but are defaulted from the landed costs master data for the purchase order.

When converting a response line's landed costs to a purchase order, no distinction is made between bidder and third party landed costs for the purchase order. Therefore, if you do not want to copy the third party landed costs, you must delete or cancel these costs on the response before converting the response line to the purchase order.

Chapter 4: Orders

Landed costs – orders

This topic explains how *landed costs* are used in combination with *purchase orders* and *warehouse transfer orders*.

Landed costs - purchase orders and warehouse transfer orders

To link landed costs to purchase orders and warehouse transfer orders:

1 Search for order header landed costs

When an order header is created and saved, LN searches for active *landed costs sets* in the Scenarios by Landed Costs Set (tclct1105m100) session, based on:

- The Landed Costs Search Date, as specified in the **Landed Costs Parameters (tclct0100m000)** session.
- The **Used for** field, which must be **Order Header**.
- The order header (search) fields, which must match the *landed costs scenario's* search attributes.
- The Priority.

2 Link landed costs to order header

When a landed costs set is found, the landed costs are stored in the Landed Cost Lines (tclct2100m000) session. This session is linked to the purchase order header in the **Purchase Orders (tdpur4100m000)** session or the warehouse transfer order header in the **Warehousing Orders (whinh2100m000)** session. The **Origin** is set to **Master Data** for these header landed cost lines.

3 Update landed cost lines

You can manually update the retrieved landed cost lines and add or delete lines.

4 Search for, link, and update order line landed costs

When purchase or transfer order lines are created, steps similar to steps 1–3 apply.

5 Copy order header landed costs to order lines

To copy the costs, these methods exist:

- **Apportioning**
If the **Calculation Method** field is **Fixed Amount** and the Fixed Amount Level is **Order Header**, **Shipment Notice**, or **Receipt Header** in the **Landed Cost Lines (tclct2100m000)** session, the header landed costs are *apportioned* to the lines. For more information, refer to Landed costs – fixed amounts.
- **Synchronization**
If the **Fixed Amount Level** is **Order Line** or **Receipt Line** in the **Landed Cost Lines (tclct2100m000)** session, the header landed costs are *synchronized* with the lines based on the Calculation Method.

After apportioning or synchronizing, the landed costs are stored in the **Landed Cost Lines (tclct2100m000)** session, which is linked to the order line. The **Origin** is **Order Header** for these line landed cost lines.

Note:

The following landed cost lines can be automatically linked to the same purchase order line or transfer order line:

- Lines that originate from the header and contain a synchronized or apportioned landed cost amount.
- Lines that are newly generated based on a master data cost set.

Maintaining landed costs

If a change is made to an order header or a line search field, depending on the Recalculate Landed Costs setting in the **Landed Costs Parameters (tclct0100m000)** session, LN can search for a new landed costs set. If found, the cost lines with the **Master Data** origin are deleted and the new cost lines are added.

You can use the Landed Cost Lines by Purchase Order (tclct2100m300) and Landed Cost Lines by Warehouse Order (tclct2100m500) sessions to manually change, add, cancel, or delete landed cost lines for a specific purchase order or warehouse transfer order.

You can manually change, cancel, delete, or add landed cost lines if the following are applicable:

- Order header
No receipt or *advance shipment notice* is linked to any of the order lines.
- Order line
No receipt or advance shipment notice is linked to the order line.

If you change or cancel landed cost lines in the **Landed Cost Lines by Purchase Order (tclct2100m300)** or **Landed Cost Lines by Warehouse Order (tclct2100m500)** sessions and on the *appropriate menu* you click **Apply to all**, the changes made to the line are also processed to all other lines of the order with the same combination of **Landed Costs Code**, **Landed Cost Type**, and **Buy-from Business Partner**. This also applies if you add a line. When a new landed cost line is added for an order line, you can automatically add this landed cost line to all other order lines for which the landed cost line is not linked yet and, therefore, for which the combination of **Landed Costs Code**, **Landed Cost Type**, and **Buy-from Business Partner** does not exist.

Landed costs and commingling

Before approval, purchase orders and order lines can be *commingled* into one purchase order. Landed cost lines can be linked to purchase orders or order lines only during the commingling process. Orders and order lines with the **For Commingling** check box selected cannot have linked landed cost lines.

Landed costs and purchase order approval

If a purchase order is automatically approved, the landed costs are recalculated based on the Recalculate Landed Costs parameter in the **Landed Costs Parameters (tclct0100m000)** session.

If you manually approve a purchase order and you want to recalculate the landed costs during approval, select the Recalculate Landed Costs check box in the **Approve Purchase Orders (tdpur4210m100)** session.

If the purchase order must be validated against *approval rules* in the Approval Rules (tdpur0191m000) session, the landed cost amount is also included in the checked amount.

Landed costs and backorders

The method to retrieve landed costs for *backorders* is based on the value of the Landed Costs on Backorder based on field in the **Landed Costs Parameters (tclct0100m000)** session.

This parameter determines if landed costs for backorders are copied from the line from which the backorder is generated, or are retrieved from an active *landed costs* set for the backorder.

Order-header-based fixed amounts are not reapportioned to the backorder lines, because reapportioning is not applicable when a receipt is linked to at least one order line. However, fixed amounts at receipt level can still be applicable.

Processing landed cost lines

If all steps are carried out for the order procedure, purchase order lines can be processed in the Process Delivered Purchase Orders (tdpur4223m000) session. The landed cost lines that are linked to the actual receipts for the order line are also processed.

In the **Landed Cost Lines (tclct2100m000)** session, for a processed landed cost line the following applies:

- The Processed check box is selected and receipt history is written to the Landed Cost Line History (tclct2550m000) session.
- If the landed cost line was already matched and approved in Accounts Payable, the Update Status of Actual Purchase Costs field is set to **Actual Costs Updated**. Otherwise, you must reprocess the purchase order line after finishing the matching and approval process in Accounts Payable

If, in the **Landed Cost Lines (tclct2100m000)** session, the **Update Status of Actual Purchase Costs** field is **Actual Costs Updated** and the **Invoicing Status** is **All Approved**, the landed cost line is completed and can be deleted in the Archive/Delete Purchase Orders (tdpur4224m000) session.

Landed costs - price stages

Price stages can be specified for the landed cost lines that are linked to a purchase order line. If the **Price Stage Mandatory** check box is selected in the **Purchase Order Parameters (tdpur0100m400)** session, the price stage is mandatory for these landed cost lines.

In the Price Stage field of the Landed Costs Revisions (tclct1120m000) session, you can specify a price stage for a landed cost revision. When a landed cost line is created for a purchase order line, the price stage is defaulted from the relevant landed cost revision to the **Landed Cost Lines (tclct2100m000)** session. You can manually link a price stage to a landed cost line in the **Landed Cost Lines (tclct2100m000)** session, if a default price stage is not specified in the **Landed Costs Revisions (tclct1120m000)** session.

The **Price Stage** that is specified for a landed cost line, cannot be modified after the landed cost line is matched and approved in Accounts Payable. Also, you cannot update a landed cost line if a receipt or advance shipment notice is linked to the purchase order line.

Note: If the **Change Requests** check box is selected in the **Purchase Order Parameters (tdpur0100m400)** session, the price stage can be modified only by using the *change request* process.

If a *blocking definition* is specified for the **Price Stage** that is linked to the landed cost line, the purchase order line is blocked based on the phase for which the blocking is specified. If multiple landed cost lines exist for the purchase order line and different price stages and blocking phases are specified, the most restrictive blocking phase is considered and blocking is applied accordingly.

Example

- The blocking phase for the price stage of the purchase order line is set to **Release**.
- The blocking phase for the price stage of the linked landed cost line is set to **Order Entry**.

Consequently, the purchase order line is blocked at order entry.

Chapter 5: Order receipts

Landed costs – order receipts

This topic explains how *landed costs* are used in combination with receipts for *purchase orders* and *warehouse transfer orders*.

If you also use *advance shipment notices* for purchase orders, refer to Landed costs – advance shipment notices.

How landed costs are linked to receipts, depends on where the item receipt must be recorded.

Type of item	Receive item in	Type of receipt
Non-inventory item	Procurement	Purchase receipt
Inventory item	Warehousing	Warehouse receipt

Purchase receipts

To receive non-inventory items, you must create receipts in the Purchase Receipts (tdpur4106m000) session. The landed costs of the order line or *advance shipment notice (ASN)* line are automatically copied to the purchase receipt. The landed cost lines are stored in the Landed Cost Lines (tclct2100m000) session, which is linked to the **Purchase Receipts (tdpur4106m000)** session. For partial purchase receipts, the order/ASN line landed costs are divided over the receipt lines. For examples, refer to Landed costs – fixed amounts.

After confirmation, the following can be changed for the purchase receipt line:

- Quantities and the final receipt status in the Correct Purchase Receipt (tdpur4106s100) session.
- The price and discounts in the Change Price and Discounts after Receipt (tdpur4122m000) session.
- The landed cost lines that are linked to the receipt line in the Landed Cost Lines by Receipt (tclct2100m100) session.

Warehouse receipts

To receive inventory items, you must create receipts in the Warehouse Receipt (whinh3512m000) session.

The warehouse receipt header can contain only landed cost lines for which the **Calculation Method** field is **Fixed Amount** and the Fixed Amount Level is **Receipt Header** in the **Landed Cost Lines (tclct2100m000)** session. When a receipt header is created, the fixed amount is copied from the first purchase order or warehouse transfer order that is linked to the specific receipt. The fixed amount can also be copied from the first *advance shipment notice* that is linked to the receipt. The landed costs are stored in the **Landed Cost Lines**

(**tlct2100m000**) session, which is linked to the receipt header in the **Warehouse Receipt (whinh3512m000)** session.

Warehouse receipt lines

When receipt lines are created, the header landed costs are divided over the lines. Because the warehouse receipt header can contain only landed cost lines for which the **Calculation Method** field is **Fixed Amount** and the Fixed Amount Level is **Receipt Header** in the **Landed Cost Lines (tlct2100m000)** session, the header landed costs are always *apportioned* to the receipt lines and cannot be synchronized to the lines. For more information, refer to Landed costs – fixed amounts.

After apportioning, the landed costs are stored in the **Landed Cost Lines (tlct2100m000)** session, which is linked to the receipt line in the **Receipt Lines (whinh3112s000)** session. The **Origin** displays **Receipt Header** for these line landed cost lines.

In addition to the apportioned receipt-header-based fixed amounts, all other landed cost lines are copied from the original line to the receipt line. The original line determines the **Origin** for these receipt line landed cost lines, such as **Order Line**, **Shipment Notice Line**, etc.

When the receipt is confirmed, the landed costs are copied from the warehouse receipt line to the **Purchase Receipts (tdpur4106m000)** session. Next, inventory valuation updates and financial transactions are triggered.

After confirmation, the following can be changed for the warehouse receipt line:

- Quantities and the final receipt status in the Receipt Correction (whinh3121s000) session.
- The landed cost lines that are linked to the receipt line in the Landed Cost Lines by Receipt (tlct2100m100) session.

If, after confirmation, changes are made to the landed costs of the warehouse receipt, these changes are also copied to the Purchase Receipts (tdpur4106m000) session.

Maintaining landed cost lines after receipt

Before and after confirmation of a receipt (line), you can use the Landed Cost Lines by Receipt (tlct2100m100) session to manually change, add, cancel, or delete landed cost lines.

Landed cost lines can be maintained only if the following are applicable for the receipt level:

- Receipt header
The receipt contains only unconfirmed receipt lines.
- Receipt line
The receipt line is not yet matched in Financials.

If you change or cancel landed cost lines in the **Landed Cost Lines by Receipt (tlct2100m100)** session and on the *appropriate menu* you click **Apply to all**, the changes made to the line are also processed to all other lines of the same receipt that have the same combination of **Landed Costs Code**, **Type**, and **Buy-from Business Partner**. This also applies if you add a receipt line. When a new landed cost line is added for a receipt line, you can automatically add this landed cost line to all other receipt lines for which the landed cost line is not linked yet and, therefore, for which the combination of **Landed Costs Code**, **Type**, and **Buy-from Business Partner** does not exist.

Note: Line landed costs with origin **Receipt Header** can be changed only on receipt header level.

Unexpected receipts

If no order is found for the received goods, you can create an unexpected receipt line in Warehousing. To link landed cost lines to the receipt line, an order must first be linked to the unexpected receipt.

You can link order lines to unexpected receipt lines as follows:

- Link an existing order to an unexpected receipt
Landed costs are copied from the applicable order line and *apportioned* from the receipt header.
- Generate a purchase order for an unexpected receipt
If the Generate Order for Unexpected Warehouse Receipt check box is selected in the **Items - Purchase Business Partner (tdipu0110m000)** session and the receipt is confirmed, a new purchase order of the **Warehousing Receipt** origin is generated for the item and business partner of the unexpected receipt. Next, landed costs are automatically retrieved and linked at order, order line, warehouse receipt, and purchase actual receipt level.

The landed costs can be changed, added, or deleted after receipt in the **Landed Cost Lines by Receipt (tclct2100m100)** session.

Chapter 6: Freight orders

Landed costs – freight orders

This topic explains how *landed costs* are used in combination with *freight orders* that originate from a *purchase order* or *warehouse transfer order*.

If a freight order must be generated for a *purchase order* or *warehouse transfer order*, landed freight costs can be retrieved for the orders.

Calculation of the landed freight costs includes these main steps:

- 1 Rough estimated landed costs are defaulted during order line entry based on *carrier rate books*.
- 2 Landed costs are updated with detailed *estimated freight costs* after actualizing the *load plan*.
- 3 Landed costs are updated with detailed *actual freight costs* after processing the carrier invoice.
- 1 Rough estimation of landed (freight) costs at order line entry

When an order is created for which a freight order must be generated, LN searches for a *landed costs set* with the following characteristics:

- The Used for field is **Order Header Or Order Line**.
- The Calculation Method is **By Freight Management**.

If a landed freight cost line is linked at order header level, this line always has a landed cost amount of zero. When order lines are created, this landed cost line is copied to each line of the order. If no landed cost line of the **By Freight Management** method can be copied to the order line, LN tries to retrieve such a landed cost line from the **Master Data**. If no landed freight cost line can be defaulted at all, you can manually create a landed freight cost line in the Landed Cost Lines (tclct2100m000) session.

The **Landed Cost Amount** is calculated at order line entry and is based on the costing set up in Freight and the *carrier rate books* in Pricing.

- 2 Detailed estimation of landed (freight) costs after load plan actualization

After a freight order line is linked to a purchase order line or warehouse transfer order line and the load plan is actualized for the freight order, the landed cost line of the originating order line is updated with the detailed estimated freight costs of the freight order line.

If the Load Planning check box is selected for the freight order line, the **Landed Cost Amount** in the **Landed Cost Lines (tclct2100m000)** session displays the estimated freight costs of the shipment(s) for the freight order line. If the **Load Planning** check box is cleared, the detailed estimation of landed freight costs is based on the costs of the linked *freight order cluster* instead of the shipments.

- 3 Detailed actual calculation of landed (freight) costs after carrier invoice

After receipt of the carrier invoice and processing the invoice in Accounts Payable, the Actual Cost Final check box becomes selected for the freight order line. This triggers the update of the landed cost line with the actual landed freight costs from the carrier invoice.

In the **Landed Cost Lines (tclct2100m000)** session, the Invoice Amount, Landed Cost Amount, and Invoicing Status fields are updated from the freight order line. The detailed estimated freight costs can still be viewed on the freight order line.

Note:

- When a freight order line is generated for the originating order line, Freight becomes leading in determining the landed freight costs. Consequently, the landed freight costs are updated from the freight order line.
- If landed cost lines exist for receipt lines, the landed freight costs are updated for both the originating order lines and the linked receipt lines. If multiple receipt lines exist for an originating order line, the landed (freight) cost amount is apportioned to the linked receipt lines.

Chapter 7: Purchase schedules

Landed costs – purchase schedules

This topic explains how *landed costs* are used in combination with *purchase schedules*.

Note

- For *pull schedules*, landed costs are linked only to **Pull Call-off** schedules and not to **Pull Forecast** schedules.
- The Write Landed Costs for Purchase Push Schedules check box in the **Landed Costs Parameters (tclct0100m000)** session determines if landed costs can be linked to *push schedules*.

Linking landed cost lines

Because the purchase schedule header is just an informational level and stays open for a long time, landed cost lines are not linked on schedule header level, but only on line level.

When a schedule line is created and saved, LN searches for active *landed costs sets* in the Scenarios by Landed Costs Set (tclct1105m100) session, based on:

- The Landed Costs Search Date, as specified in the **Landed Costs Parameters (tclct0100m000)** session.
- The **Used for** field, which must be **Schedule** or **Schedule and Order Line**.
- The schedule header and line (search) fields, which must match the *landed costs scenario's* search attributes.
- The Priority.

When a landed costs set is found, the landed costs are stored in the Landed Cost Lines (tclct2100m000) session. This session is linked to the purchase schedule line in the **Purchase Schedule Lines (tdpur3111m000)** session. The **Origin** is **Master Data** for these schedule line landed cost lines. Landed cost lines are linked only to purchase schedule lines whose *requirement type* is *Immediate* or *Firm*

Note:

Only these landed cost lines can be linked to a purchase schedule line:

- The lines for which the Method field is not **By Freight Management**.
- The lines for which the Fixed Amount Level field is **Receipt Line Or Not Applicable**.

Maintaining landed cost lines

If a change is made to the **Warehouse**, **Address**, or **Planned Receipt Date** on the schedule line, LN will automatically search for a new landed costs set. If found, the cost lines are deleted and the new cost lines are added.

If a purchase schedule line is canceled or deleted, the linked landed costs are also canceled or deleted.

Note: You can view all landed costs that are linked to a specific purchase schedule in the Landed Cost Lines by Schedule (tclct2100m400) session. You cannot manually update the landed cost lines and add, cancel, or delete these lines.

Processing landed cost lines

If a final receipt is done for a schedule line, invoicing is required, and the line has the **Invoiced** status, the purchase schedule line can be processed in the Process Purchase Schedules (tdpur3223m000) session. The landed cost lines that are linked to the actual receipts for the schedule line are also processed.

For a processed landed cost line, in the **Landed Cost Lines (tclct2100m000)** session:

- The Processed check box is selected and receipt history is written to the Landed Cost Line History (tclct2550m000) session.
- The Update Status of Actual Purchase Costs field is **Actual Costs Updated** if the landed cost line was already matched and approved in Accounts Payable. If not, you must reprocess the purchase schedule line after finishing the matching and approval process in Accounts Payable

If, in the **Landed Cost Lines (tclct2100m000)** session, the **Update Status of Actual Purchase Costs** field is **Actual Costs Updated** and the **Invoicing Status** is **All Approved**, the landed cost line is completed and can be deleted in the Archive/Delete Purchase Schedules (tdpur3224m000) session.

Chapter 8: Purchase schedule receipts

Landed costs – purchase schedule receipts

This topic explains how *landed costs* are used in combination with receipts for purchase schedules.

If you also use *advance shipment notices* for purchase schedules, refer to Landed costs – advance shipment notices.

How landed costs are linked to receipts, depends on where the item receipt must be recorded.

Type of item	Receive item in	Type of receipt
Non-inventory item	Procurement	Purchase receipt
Inventory item	Warehousing	Warehouse receipt

Purchase receipts

To receive non-inventory items, you must create receipts in the Purchase Schedule - Receipts (tdpur3115m200) session. The landed costs of the schedule line or ASN-line are automatically copied to the purchase schedule receipt. For pull and push schedules, receipts are linked at schedule-line-level.

The landed cost lines are stored in the Landed Cost Lines (tclct2100m000) session, which is linked to the **Purchase Schedule - Receipts (tdpur3115m200)** session.

You can add, modify, cancel, and delete landed cost lines in the Landed Cost Lines by Receipt (tclct2100m100) session. Unlike warehouse receipts, purchase receipts do not have a receipt header. Therefore, receipt-header-based fixed amounts are not applicable for purchase receipts. If a manually added landed cost line contains a fixed amount, the fixed amount level must be **Receipt Line**.

For partial receipts, fixed amounts are apportioned to the receipt lines. In case of under-receipt or over-receipt, the remaining amount is linked to the final receipt.

You cannot correct or inspect purchase receipts.

Example

- Schedule line: 20 pieces
- Fixed amount: 10 euro

Purchase schedule receipt	Received quantity	Landed cost amount
1	10	5
2	5	2.5
3 (final)	4	2.5

Warehouse receipts for pull schedules

Warehouse receipts for pull schedules are linked to schedule lines.

Order-header and order-line based fixed amounts are not applicable for purchase schedules.

Receipt-header-based fixed amounts are retrieved from the landed costs master data at the moment of receipt header creation. The origin is **Master Data** for these landed cost lines. Other landed cost lines are copied from the purchase schedule line to the receipt line. The **Origin** is **Schedule Line** for these landed cost lines. However, if an *advance shipment notice* is linked to the purchase schedule line, a receipt can be generated from this ASN. In this case, the landed costs for the receipt header and lines are retrieved from the ASN. For more information, refer to Landed costs – advance shipment notices.

When the receipt is confirmed, the landed costs are copied from the warehouse receipt line to the Purchase Schedule - Receipts (tdpur3115m200) session. After confirmation, you can still add, modify, cancel, or delete landed costs at warehouse receipt (line) level in the Landed Cost Lines by Receipt (tclct2100m100) session. These changes are synchronized to the landed costs of the linked purchase schedule receipt.

Warehouse receipts for push schedules

Warehouse receipts for push schedules are linked to the schedule header. Therefore, the landed costs cannot be retrieved from the schedule line. Based on the actual receipt date, landed costs are retrieved from the landed costs **Master Data** when the receipt header and lines are generated. However, if an *advance shipment notice* is linked to the purchase schedule, a receipt can be generated from this ASN. In this case, the landed costs for the receipt header and lines are retrieved from the ASN. For more information, refer to Landed costs – advance shipment notices.

Because purchase schedule receipts must be linked again at schedule-line level, multiple purchase schedule receipts can exist for one warehouse receipt. The landed costs of the warehouse receipt are divided across the purchase schedule receipt lines based on the received quantity. The prices and landed costs are not retrieved from the purchase schedule, but from the linked purchase contract and the landed costs master data.

Purchase schedule receipt lines are created in the Purchase Schedule - Receipts (tdpur3115m200) session when the warehouse receipt is confirmed. After confirmation, you can still add, modify, cancel, or delete landed costs at warehouse receipt level in the Landed Cost Lines by Receipt (tclct2100m100) session.

Example

Purchase contract		Landed costs master data	
Item X, Business Partner Y		Scenario for Item X, Business Partner Y	
Price revisions	(01-01) 20 euro/pcs	LC1	(01-01) 1 euro/pcs
	(01-07) 25 euro/pcs		(01-07) 2 euro/pcs
-	-	LC2	(01-01) 5%
-	-		(01-07) 10%

Push schedule for item X and business partner Y

Line	Date	Quantity	Price	Amount (euro)
10	28-06	10	20	200
LC1			1 euro/pcs	10
LC2			5%	10
20	03-07	10	25	250
LC1			2 euro/pcs	20
LC2			10%	25

Warehouse receipt

Line	Date	Quantity	Price	Amount (euro)
10	30-06	15	20	300
LC1			1 euro/pcs	15
LC2			5%	15
20	05-07	5	25	125
LC1			2 euro/pcs	10
LC2			10%	12.50

Purchase schedule receipt				
Line	Date	Quantity	Price	Amount (euro)
10-1	30-06	10	20	200
LC1			1 euro/pcs	10
LC2			5%	10
20-1	30-06	5	20	100
LC1			1 euro/pcs	5
LC2			5%	5
20-2	05-07	5	25	125
LC1			2 euro/pcs	10
LC2			10%	12.50

Landed costs after receipt

If, on purchase schedule receipts, quantities are updated after a warehouse inspection or correction, the landed costs are redetermined.

Before and after confirmation of a receipt (line), you can use the Landed Cost Lines by Receipt (tclct2100m100) session to manually change, add, cancel, or delete landed cost lines. This is applicable only for landed cost lines that are not yet matched in Financials.

Chapter 9: Advanced shipment notices

Landed costs – advance shipment notices

This topic explains how *landed costs* are used in combination with *advance shipment notices*.

ASN-header

ASNs are created in the Shipment Notice (whinh3600m000) session. The ASN-header can contain only landed cost lines for which the **Calculation Method** field is **Fixed Amount** and the Fixed Amount Level is **Shipment Notice Or Receipt Header**.

When an ASN-header is created, the fixed amount is copied from the first purchase order that is linked to the ASN. If the ASN is created for a purchase schedule, ASN-header landed costs are retrieved from the landed costs master data when the first ASN-line is linked to a purchase push schedule or to a purchase pull schedule line. The landed costs can be a fixed amount per shipment notice header or a fixed amount per receipt header and must belong to a landed costs set for which the **Used for** field is **Schedule** or **Schedule and Order Line**.

The landed costs are stored in the **Landed Cost Lines (tclct2100m000)** session, which is linked to the ASN-header in the **Shipment Notice (whinh3600m000)** session.

Note: Multiple purchase orders or schedules can have multiple fixed amounts by shipment notice. These purchase orders/schedules can be linked to the same ASN. However, only one purchase order/schedule (line) can determine the fixed amount by **Shipment Notice Or Receipt Header** to be created. Therefore, the first purchase order/schedule (line) that is linked to an ASN determines the fixed amount. Other orders/schedules are ignored.

ASN-lines

When ASN-lines are created, the header landed costs are divided across the lines. Because the ASN-header can contain only landed cost lines for which the **Calculation Method** field is **Fixed Amount** and the Fixed Amount Level is **Shipment Notice Or Receipt Header**, the header landed costs are always *apportioned* to the ASN-lines and cannot be *synchronized* with the lines. For more information, refer to Landed costs – fixed amounts.

After apportioning, the landed costs are stored in the **Landed Cost Lines (tclct2100m000)** session, which is linked to the ASN-line in the **Shipment Notice Lines (whinh3101m000)** session.

In addition to the apportioned header-based fixed amounts, these landed costs are also linked to an ASN-line:

- If the ASN-line is linked to a purchase order line, all landed cost lines that are linked to the purchase order line. The **Origin** is **Order Line** for these landed cost lines.

- If the ASN-line is linked to a purchase pull schedule line, all landed cost lines that are linked to the purchase pull schedule line. The **Origin** is **Schedule Line** for these landed cost lines.
- If the ASN-line is linked to a purchase push schedule, applicable landed costs are copied from the master data. The **Origin** is **Master Data** for these landed cost lines.

Apportioning ASN-header landed costs to ASN-lines

Apportioning of fixed header landed costs to the lines takes place only when:

- A manually entered ASN is (re)scheduled.
- ASNs are generated from EDI after creation of an ASN (revision).

In the apportioning process, the ASN-lines for non-warehouse orders, such as direct deliveries, project receipts, cost item receipts are also taken into account. However, unexpected ASN-lines, which have no linked inbound order line, are skipped in the apportioning process because these lines cannot have landed costs.

Receiving ASNs through EDI when a revised ASN message is received, the previous ASN obtains the **Replaced** status and a new ASN is created with the **Scheduled** status. When a canceled ASN message is received, the ASN status becomes **Canceled**. For a revised ASN, landed cost lines are handled as follows:

- ASN-header landed cost lines
Except if the preceding ASN is canceled, the landed cost lines of the preceding ASN-header are copied to the new ASN-revision. In this way, the manually changed or added landed costs are kept.
- ASN-line landed cost lines
The landed cost lines of the preceding ASN-line are copied to the new ASN-revision. The quantity-based landed cost lines are updated based on the newly received quantities in the EDI message.
- If the preceding ASN is canceled and a new ASN is created with the **Scheduled** status, the landed cost lines are copied from the related origin and not from the previous canceled ASN.
- If the new ASN-revision contains new ASN-lines that were not included in the previous ASN, the landed costs for these new ASN-lines are copied from the related origin.
- If the new ASN-revision lacks ASN-lines that were included in the previous ASN, the missing ASN-lines are not recreated and the linked landed cost lines are lost.
- After the ASN- header and ASN-lines are created from the EDI message, header landed costs are (re)apportioned to the lines.

Maintaining landed cost lines for ASNs

You can use the Landed Cost Lines by Shipment Notice (tclct2100m200) session to manually change, add, cancel, or delete landed cost lines.

Landed cost lines can be maintained only if the following are applicable for the ASN-level:

- ASN header
No receipt is linked to any of the ASN-lines.
- ASN line
No receipt is linked to the ASN-line.

If you change or cancel landed cost lines in the **Landed Cost Lines by Shipment Notice (tclct2100m200)** session and, on the *appropriate menu*, you click **Apply to all**, the changes made to the line are also processed to all other lines of the ASN with the same combination of **Landed Costs Code**, **Landed Cost Type**, and

Buy-from Business Partner. If you add a new landed cost line, you can automatically add this landed cost line to all other ASN-lines for which the landed cost line is not linked yet and, therefore, for which the combination of **Landed Costs Code, Type,** and **Buy-from Business Partner** does not exist.

Note: Line landed costs with fixed amount level **Shipment Notice** or **Receipt Header** can be changed only on ASN-header level.

Chapter 10: Fixed amounts

Landed costs – fixed amounts

Purchase transactions can automatically include a fixed amount of *landed costs*.

To enable this functionality, specify these settings in the Landed Costs (tclct1610m000) session:

- 1 Set the Method field to **Fixed Amount**.
- 2 Specify an amount in the Fixed Amount field.
- 3 In the **Fixed Amount Level** field, specify the **Fixed Amount Level** to which the fixed amount is applied.
- 4 If the **Fixed Amount Level** is **Order Header**, **Shipment Notice**, or **Receipt Header**, specify how the fixed header amount is *apportioned* to the lines in the Apportioning Type field.

Synchronization versus apportioning

If a header contains landed cost lines with a fixed amount, the following methods exist to distribute the header landed costs across the lines:

- Synchronization
Applies if the **Fixed Amount Level** is **Order Line** or **Receipt Line** in the **Landed Cost Lines (tclct2100m000)** session. The entire fixed amount is applied to each line of the order or receipt.
- Apportioning
Applies if the **Fixed Amount Level** is **Order Header**, **Shipment Notice**, or **Receipt Header** in the **Landed Cost Lines (tclct2100m000)** session. The **Apportioning Type**, which can be **Amount**, **Weight**, **Volume**, **Quantity**, or **Line**, determines how the fixed header costs are apportioned to the lines.

Example

The order header contains a fixed amount of 10 euro.

Synchronization		
Fixed Amount Level	Apportioning Type	Fixed amount on order lines
Order Line	Not Applicable	Order line 1 - 10 euro
Order Line	Not Applicable	Order line 2 - 10 euro

Apportioning		
Fixed Amount Level	Apportioning Type	Fixed amount on order lines
Order Header	Line	Order line 1 - 5 euro
Order Header	Line	Order line 2 - 5 euro

Apportioning

Lines can be included in the apportioning and reapportioning process only if the following apply:

- Order line
No receipt or ASN is linked yet to the line.
- Receipt line
No receipt line is confirmed yet for the receipt.

When a receipt or an ASN is linked to an order line, or a receipt line is confirmed, the landed cost lines are frozen.

Note:

- In contrast to warehouse receipts (inventory items), purchase receipts (non-inventory items) do not have a receipt header. Therefore, **Receipt Header** based fixed amounts are not apportioned to purchase receipts.
- If the **Fixed Amount Level** is **Receipt Header** or **Shipment Notice**, for inventory items, fixed amounts are first apportioned to the order lines. This is done to create financial (on-order) transactions and to already have an insight in the header-based landed costs. When an ASN-header is created, the fixed amount is copied from the first purchase order that is linked to the specific ASN, after which the amount is apportioned to the ASN-lines. When a receipt header is created, the fixed amount is copied from the first purchase order, warehouse transfer order, or advance shipment notice (with **Fixed Amount Level** specified as **Receipt Header**) that is linked to the specific receipt, after which the amount is apportioned to the receipt lines.

When an order line is added, canceled, or deleted, the fixed landed cost amount is redetermined for each order line.

Example

- Order header fixed amount: 10 euro
- **Fixed Amount Level:** **Order Header**
- **Apportioning Type:** **Line**

Order line	Landed cost amount
1	5
2	5
Cancel order line 2	
1	10
2	0

Order line	Landed cost amount
Add order line 3	
1	5
2	0
3	5
Receive order line 1 and add line 4	
1 (confirmed)	5
2	0
3	2.5
4	2.5

When a receipt is created for an order line, the landed costs of the order line are copied to the receipt. For partial receipts, fixed amounts are apportioned to the receipt lines. If less or more is delivered than ordered, the fixed amount's remaining amount is linked to the final receipt.

Example

- Order line: 20 pieces
- Fixed amount: 10 euro

Order receipt	Received quantity	Landed cost amount
1	10	5
2	5	2.5
3 (final)	4	2.5

Order receipt corrections

When correcting receipts in the Correct Purchase Receipt (tdpur4106s100) or Receipt Correction (whinh3121s000) sessions, corrections of the received quantity do not lead to the reapportioning of fixed amounts. During the invoice matching in Financials, the landed costs will be balanced. Fixed amounts are reapportioned to the receipt lines only if a receipt changes from not final to final or vice versa.

Note: Except for landed cost lines with **Fixed Amount Level** set to **Receipt Line**, *inventory variance* bookings are created for landed cost lines if the correction results in a changed landed cost amount per piece. This also applies to landed cost lines that are updated during rejection and if inventory disposition is not applicable. Here, the creation of the inventory variance is triggered by updating the quantity of the landed cost line that is linked to the rejected receipt line.

Example

- Order line: 20 pieces
- Fixed amount: 10 euro

Order receipt	Received quantity	Landed cost amount
1	12	6
2 (final)	6	4
Change quantity (receipt 2)		
1	12	6
2 (final)	8	4
Change quantity (receipt 2)		
1	12	6
2 (final)	4	4
Change to non-final (receipt 2)		
1	12	6
2	4	3

Fixed amounts on purchase schedules

- Order-header and order-line based fixed amounts are not applicable for purchase schedules.
- Receipt-header-based fixed amounts are not applicable when receiving non-inventory items for purchase schedules.
- Receipt-header-based fixed amounts are retrieved from the landed costs master data or, if an ASN is linked to the purchase schedule, from the linked *advance shipment notice* when receiving inventory items for purchase schedules.

For more information, refer to:

- Landed costs – purchase schedule receipts
- Landed costs – advance shipment notices

Chapter 11: Invoice matching

Landed costs – invoice matching

Because landed cost lines can be added or changed for purchase order lines, **Match to Purchase Receipt** is the appropriate matching method in Accounts Payable.

To enter an invoice with only landed costs, users must select the **Invoice Related to Landed Costs** invoice type.

If a *mixed invoice* is received, the invoice must be entered using the **Invoice Related to Purchase Orders** invoice type. The user can first match the purchase orders to orders, receipts or consumption (in case of consignment), and then match the landed costs to landed cost receipt lines. The matching procedure then only applies to the purchase order part, and not to the landed cost part, because the landed costs are only available for matching on receipt line level.

Invoices from warehouse transfers can only be entered with the **Invoice Related to Landed Costs** invoice type.

Note:

- You can change the invoice type from **Invoice Related to Landed Costs** to **Invoice Related to Purchase Orders**, even if purchase landed cost line are already matched. When warehouse transfer landed cost lines are matched, the invoice type can no longer be changed.
- As opposed to the other quantity-based matching processes, the landed costs matching process is entirely amount based.
- If a purchase or warehouse transfer order line has a linked landed cost line for which the Calculation Method is **By Freight Management**, the carrier invoice is not matched and approved against the landed cost line, but against the freight order line. The Freight Management Invoice check box is selected for such a landed cost line in the **Landed Cost Lines (tclct2100m000)** session.

Matching to registered landed cost lines

The invoice-from business partner of the invoice must match the business partner on the landed cost line. Because the matching sessions allow users to change the order, packing slip, and business partner, users can match orders originating from entirely different business partners. Users can do so only if the Business Partner Relation Mandatory check box in the **ACP Parameters (tfacp0100m000)** session is cleared.

If the landed costs are part of a mixed invoice, the landed cost lines will probably be part of the (already matched or yet to be matched) receipt lines. Here, it is not mandatory to match these landed cost lines, and LN will display no warnings.

Matching to unregistered landed cost lines

Users can register landed costs, specified on the invoice, for costs that were not defined in Procurement or Warehousing. Users can always change or add landed cost lines by using the **Change Landed Cost Lines** command, which starts the Landed Cost Lines by Receipt (tclct2100m100) session. The receipt is passed if it is present for the selected line in the matching session.

Note: Users can also let a warehousing or purchase employee create these landed costs, or decide not to match and approve the invoice with landed costs, but handle the invoice as *additional costs*.

Automatic matching

Invoices that are registered as **Invoice Related to Landed Costs** are automatically matched if the following apply:

- In the **ACP Parameters (tfacp0100m000)** session, Automatic Matching is selected.
- The packing slip and/or the order number is filled.

Automatic matching can be performed on these levels:

- **Match to Purchase Order**
- **Match to Purchase Receipt**
- **Match to Purchase Consumption**

Note:

For the automatic matching process, the following apply:

- Purchase and warehouse order business objects are searched for and matched.
- Even though landed costs can only be matched on the lowest level, that is, the receipt level, a mixed invoice can be matched on all levels.
- Only landed costs that are not fully matched are taken into account. Consequently, the automatic matching process cannot be restarted.
- Because landed costs that are related to a specific purchase order can have multiple invoice-from business partners, only those landed cost receipt lines will be selected that have exactly the same invoice-from business partner as the one on the invoice.

Price differences

During matching, price differences on the invoice header level are calculated.

To prevent incorrect price differences, LN allows users to:

- Maintain a "matched invoice amount" to the landed cost line.
- Select which part of the landed cost line amount belongs to the invoice that is being matched.

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