COSMO LOGISTICS
Online Help PDF

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COSMO Logistics

Warehouse management features in Microsoft Dynamics 365 Business Central helps manufacturers and distributors provide the power to quickly adapt to change and optimize and execute the tasks to get the right inventory, at the right location, at the right time.

COSMO Logistics is a comprehensive extension of this warehouse management to help drive improved performance and competitive edge. Business needs are met without the customizations used to make upgrades painful and costly.

The following figures illustrates the enhanced warehouse functionality for outbound process.
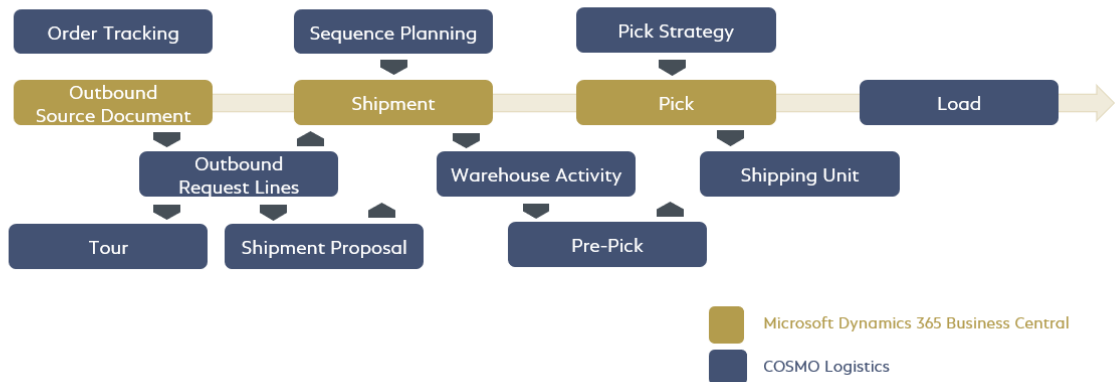
Key Features in Outbound Process

- Improved warehouse planning / navigation
  - Warehouse Request summarizing all outbound documents
  - Shipment Proposal for combined shipment planning
  - Order Tracking for quick navigation between all related entities
  - Warehouse Sequence Planning based on priorities
- Optimized warehouse work
  - Warehouse Activities for simplifying the warehouse process by combining take and place lines
  - Pick strategy
  - Pre-Pick capabilities for supporting pick and pack
  - Manage packing, loading and outbound transportation using shipping units, loading headers and tours

The following figures illustrates the enhanced warehouse functionality for inbound process.
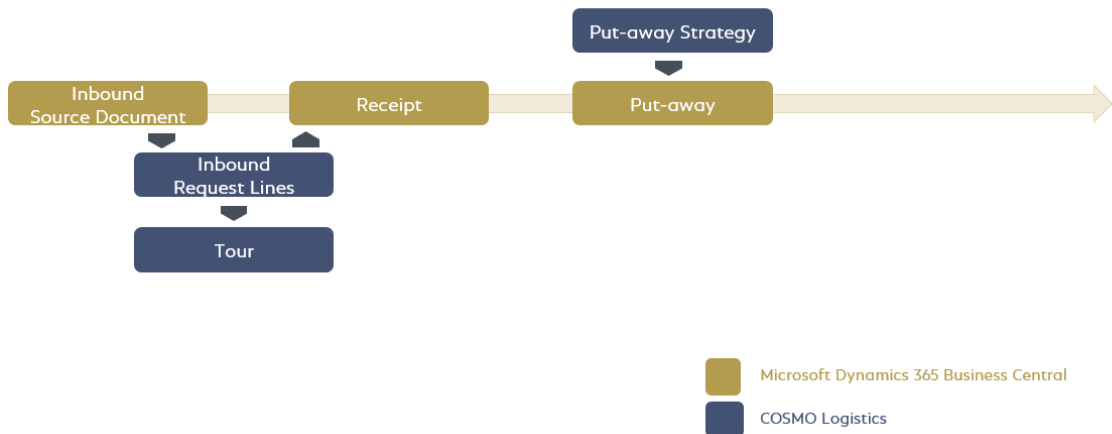
Key Features in Inbound Process

- Warehouse Request summarizing all inbound documents needs
- Put-away strategy
- Manage inbound transportation useing tours

COSMO Logistics functionalities are accessed using the Tell Me feature in Microsoft Dynamics 365 Business Central. Choose the 🔍 icon, enter the page name, and then choose the related link.

> 📓 **Note**
>
> **The content in COSMO Docs reflects the most current version of the COSMO Logistics app. If your company is using a different version, you may not have some of the described features. If you are using an older version or an On-Premises version of the app, see the specific product content in COSMO CONSULT Product Documentation.**

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Getting Started

This section covers the app installation, licensing, registration, and activation processes required to use COSMO Logistics.

The following table describes a sequence of tasks, with links to the topics that describe them.

To	See
Install COSMO Logistics in a SaaS or OnPremises environment.	App Installation
License and register COSMO Logistics.	App Licensing and Registration
Make pages and controls visible for the apps.	App Activation

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App Installation

This section covers the installation of the COSMO Logistics app. Typically an installation is only performed once by an administrator and is not executed by the user. The installation differs for SaaS and On-Premises (OnPrem) environments.

To install in SaaS environment

In SaaS environments, the app can be installed from the AppSource. There are two ways to install the app: externally or internally from Business Central. All dependencies are installed automatically.

Depending on the current Microsoft upgrade policy, you may not have the most current version of the app. To upgrade to the most current version, go to the Dynamics 365 Business Central admin center and perform the app upgrade for your environment.

AppSource

Visit the AppSource and then choose Free trial. You will be forwarded to a page where you must log in with your Business Central user credentials and select an environment to install the app to. Follow the wizard instructions to complete the installation.

Extension Marketplace

In Business Central, choose the ⊞ icon, enter Extension Marketplace, and then choose the related link. In the marketplace, search for COSMO Logistics and then choose Free Trial. Follow the wizard instructions to complete the installation.

AppSource | Apps for Business Central

< Apps

COSMO Logistics ☆ Save to my list
COSMO CONSULT
★ ★ ★ ★ ★ (0) Write a review

Free trial

Overview   Ratings + reviews

Comprehensive functions for shipments which extend Microsoft Dynamics 365 Business Central

Free Trial

Products
Dynamics 365 Business Central

To install in on-premises environment

To install the COSMO Logistics app and its requirements in an on-premises environment, you can find the app files in the COSMO CONSULT Solution Portal. Check the technical specifications of each version to find the minimum dependent version of *Business Central* and the *Base Application*. For customer installations without a Business Central developer license, you must create and install a runtime package of the app (Microsoft Documentation).

Besides the Business Central Base Application, the app depends on additional apps that must be installed in the correct order first.

1. COSMO Licensing app
2. COSMO Mobile Solution app
3. COSMO Text Module app
4. COSMO Logistics app

See Also

App Licensing and Registration
App Activation

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App Licensing and Registration

This section covers the licensing, registration, and license check of the COSMO Logistics app. When installing the app, the following apps are automatically installed:

- COSMO Logistics
- COSMO Mobile Solution
- COSMO Text Module (Base and Rich Text Editor)
- COSMO Licensing

After installation, you need to register all apps either with a license activation code or a trial license.

> 📓 **Note**
> **App registration by activation code is available if COSMO Licensing version 2.2 or higher is installed. Customers who purchase new COSMO product subscriptions through our Marketplace will receive an activation code.**
> **If you do not have the option to enter an activation code or have not received an activation code, follow the steps in the Register the app with a trial license section. After you have registered, you can contact appsource@cosmoconsult.com to convert your 30-day trial license to a full license.**

To assign licensing permission set

The COSMO Licensing app provides an extension permission set with Role ID = *CCS LIC ALL*. This permission set must be assigned to all users in the database to allow access to the COSMO License Overview page and, more importantly, to the licensed COSMO CONSULT apps. App-specific permission set(s) must be assigned to users in the database to allow access to the licensed functionality.
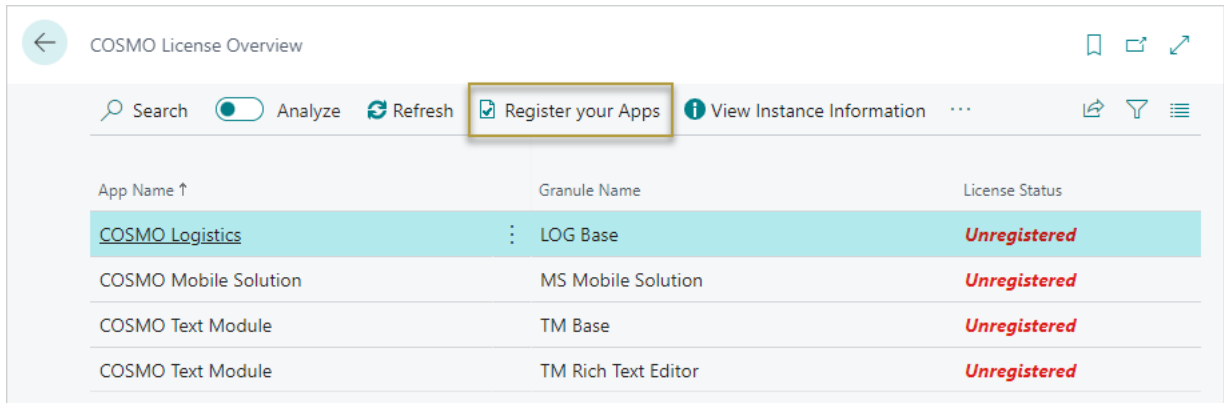
To open the COSMO License Overview

1. If the registration notification does not show in the notification bar, refresh the environment.
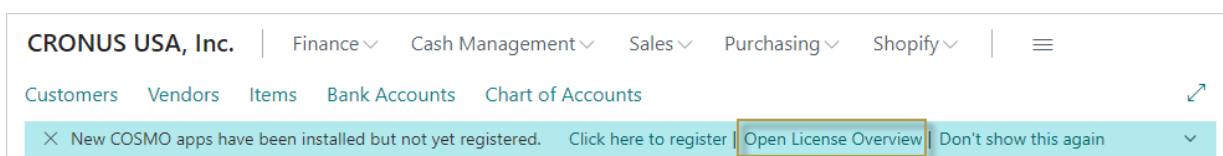
2. On the notification line, choose Open License Overview.
    The apps are listed in the COSMO License Overview page with Status =
    Unregistered.

3. Choose the Register your Apps action.
    The COSMO App Registration Wizard opens with the registration options.

To register the app with license activation code

1. If you purchased the Business Central app through our Marketplace, you will have
    received an activation code by email.
    Enter this activation code in the License Activation Code field on the first page of
    the COSMO App Registration Wizard.

> **📑 Note**
>
> **In SaaS environments, an activation code can be used for exactly one production system. The same activation code can additionally be used in multiple SaaS environments (sandbox environments, e.g., test/demo/development environments). For On-premises, there is no technical distinction between *Production* and *Sandbox*, so the activation code is instead connected to the serial number of the Business Central license (.flf / .bclicense) with which it was first activated. Therefore, it is possible to use it On-premises multiple times with the same Business Central license (to allow use in test/demo/development environments). Once it has been redeemed, it cannot be used in Business Central environments with another Business Central license.**

2. In order to agree to the Terms of Use, scroll down, turn on the I understand and accept these terms toggle, and then choose the Next button.

3. You have successfully registered your apps. Choose the Finish button to close the wizard.
   All licenses connected to the entered activation code will then be automatically retrieved.

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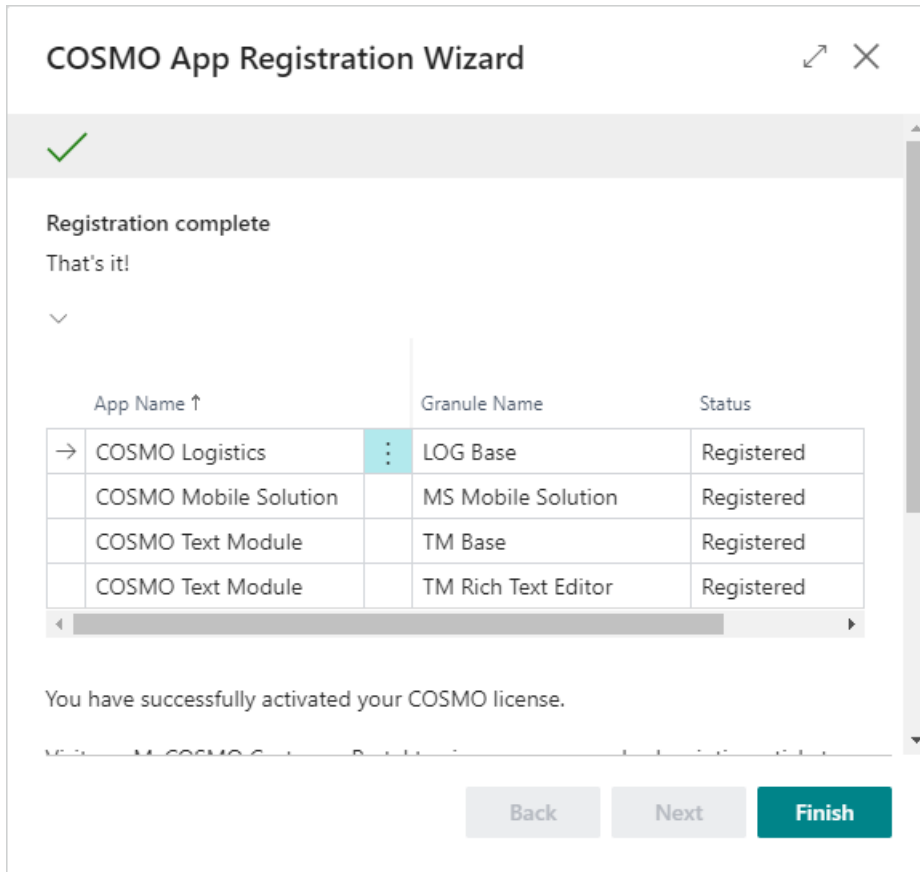
To register the app with a trial license

1. If you turn on the Register a Trial License instead toggle on the first page of the COSMO App Registration Wizard, the app granules to be registered are displayed.

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2. Clear the Selected checkbox for any of the apps that you do not want to register.

3. In order to agree to the Terms of Use, scroll down, turn on the I understand and accept these terms toggle, and then choose the Next button.

4. Enter your customer name. The name is used to identify the company. For test purposes, enter any Cronus-related name.

5. Choose the Next button to sign into the COSMO Platform to link the registration with your account. The COSMO Platform opens in a new browser tab. After signing in you can close this tab and return to the final page of the COSMO App Registration Wizard.

   To skip this step, choose the Skip Login button.

6. You have successfully registered for a 30-day trial version of the app. Contact appsource@cosmoconsult.com and use the displayed license keys to update your trial subscription.

7. The apps have Status = *Registered*. Choose the Finish button to close the wizard.
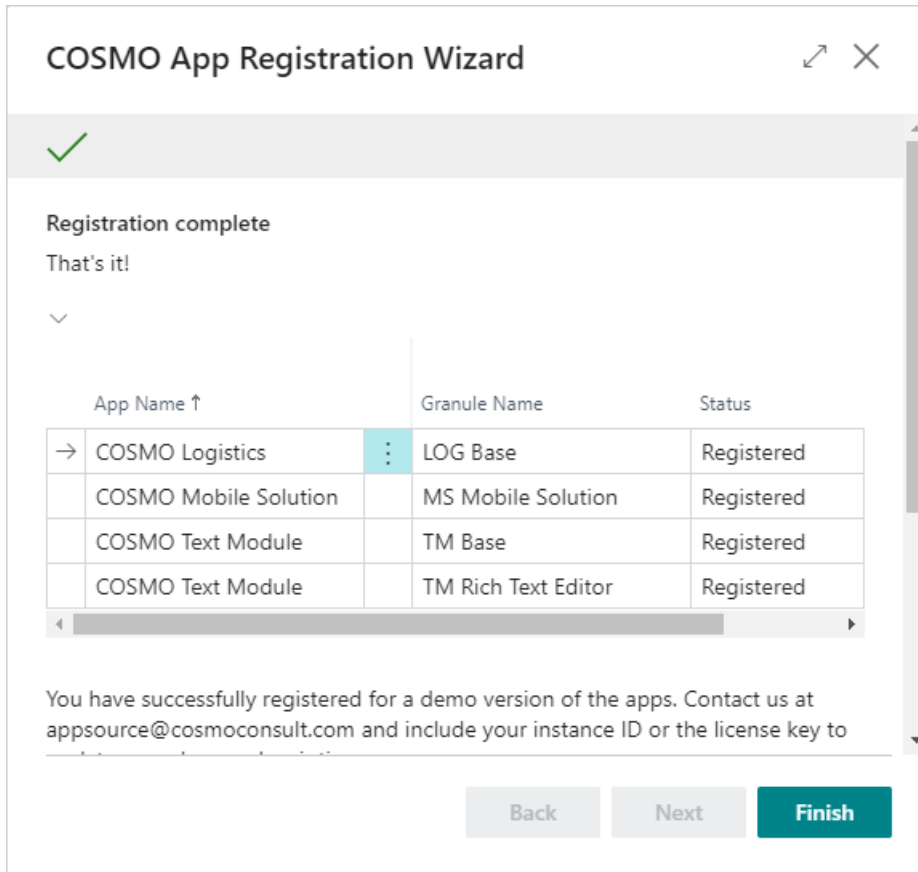
8. The status for each app is updated in the COSMO License Overview page. Leave the COSMO License Overview page to return to the Role Center.

> 🏷 **Note**
>
> **You can register the apps and perform other administrative licensing tasks from the COSMO License Overview page.**

To check the licenses

The COSMO License Overview page lists the license status of the COSMO apps and is accessed using the Tell Me feature.

1. Choose the 🔍 icon, enter COSMO License Overview, and then choose the related link. This page can also be opened from the Logistics Setup, Mobile Solution License, and Text Module Setup pages (Actions > App Licensing, Related menu, or Related > App Licensing, respectively) and from the last page of the COSMO App Registration Wizard by choosing Open License Overview.
2. In the COSMO License Overview page, the apps can be registered if not done on the Role Center notification bar. Other administrative tools are available as well.

3. Hover over an action on the COSMO License Overview page to read a short description.

See Also

App Installation
App Activation
Logistics Setup
Mobile Solution License
Text Module Setup

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App Activation

Products in COSMO Logistics have an activation toggle in the respective setup pages that makes pages and controls visible for the products.

> 📓 **Note**
>
> **Turning on the toggle in the setup pages will require logged in users to restart the application.**

To activate COSMO Logistics

1. Choose the 🔍 icon, enter Logistics Setup, and then choose the related link.
2. On the General FastTab, turn on the Activate Application Area toggle.
3. Close the page or continue with further setup (see Logistics Setup).

To activate COSMO Text Module

This process shows how to manually activate COSMO Text Module from the Logistics Setup page. However, there is an automated process that activates COSMO Text Module as well as other setup features for the integration with COSMO Logistics (see Setup of Text Module within Logistics).

1. Choose the 🔍 icon, enter Logistics Setup, and then choose the related link.
2. On the Text Module FastTab, turn on the Text Module Logistics Integration Activated toggle.
3. Close the page or continue with further setup as described in the link above.

See Also

App Installation
App Licensing and Registration

Feedback

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Setting Up Logistics

This section covers the setup of the COSMO Logistics functionality. After installing COSMO Logistics, this is the only visible part of the app until it is activated.

Initial setup is managed in the Logistics Setup page, but other basic setup can be found on specific Location, Bin and/or Item records.

Depending on the use of specific Logistics features additional setup needs to be done, but this will be described in the specific sections.

The following table describes the setup areas, with links to the topics that describe them.

To	See
Define the basic settings for COSMO Logistics.	Logistics Setup
Define the specific COSMO Logistics fields on the locations.	COSMO Logistics Setup Fields on Location Card
Define the specific COSMO Logistics fields on the bins.	COSMO Logistics Setup Fields on Bins
Define the specific COSMO Logistics fields on the items.	COSMO Logistics Setup Fields on Item Card

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Logistics Setup

The COSMO Logistics Setup page is used to set up basic parameters, for example for setting up number series, warehouse dimensions and SSCC labels. Typically this setup is only performed once and is not modified by standard users.

The Logistics Setup page is accessed using Tell Me. Choose the 🔍 icon, enter Logistics Setup, and then choose the related link.

> **📓 Note**
>
> After installation and registration, the **COSMO Logistics** app is not automatically activated. **This means that until activated, you will only find the** Logistics Setup **and** License Overview **pages when using the** Tell me **feature.**

General FastTab

Field	Description
Activate Application Area	Makes pages and controls visible for COSMO Logistics (see App Activation).
	Turning off the toggle de-activates the app. This does not remove the app from the license: it just hides the COSMO Logistics functions and features. When de-activated, all fields in the page are disabled as well.
Type Whse. Shpt. Availability Warning	Determines the type of the availability warning, which will be shown on the Warehouse Shipment Line. The options are:
	Partial Quantity - a warning is issued when no partial stock (partial quantity) of a line item is available (so basically when there is zero stock available the warning is activated).
	Total Quantity - with this setting a warning will be given if not the complete quantity can be delivered.

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Field	Description
Automatic Recalculation of Item Availability	Determines if the item availability is automatically recalculated for items when they are put-away in the warehouse.
Priority No. Default Value	Priority value for the warehouse shipment sequence planning.
Warehouse Journal Template (Pre Picking)	Defines the warehouse journal template for the Pre-pick registering. Mandatory field for the pre picking process.
Item Journal Template (Consignment Locations)	Defines the item journal template for the Consignment order posting. Mandatory field for the consignment process.
Item Journal Batch (Consignment Locations)	Defines the item journal batch for the Consignment order posting. Mandatory field for the consignment process.
Whse. Bundle Specific Tracking	Determines if warehouse bundles must be specified when registering a pre picking activity line.
Enable Packing Comment	Determines if it is possible to use the standard Business Central text feature in the shipping unit creation process. By default this feature is turned off. With the COSMO Text Module integration, there is a more extensive option for adding packing instructions (see COSMO Text Module).
Outstanding Quantities on Warehouse Entries initialized	Only used if there are already existing warehouse entries in the database. If you activate the Logistics functionalities at a later stage, turning on this toggle and running the Init Whse. Entries Outstanding Quantities batch function (on the Related menu > Maintenance) will properly recalculate the outstanding quantities.

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Field	Description
Deletion of Tours with Lines	Determines if tours with lines can be deleted. - If the toggle is turned off, it is not possible to delete tours containing lines (only possible to delete the individual lines first, giving the user the ablity to manually reassign the source lines to other tour). - If the toggle is turned on, after confirmation the tour can be deleted even if there are lines attached.
Copy Item Descr. to Warehouse Entries	Specifies if you want the description on item cards to be copied to warehouse entries during registering.
Show Details on Pool Shipment Page	Specifies if you want to see the individual warehouse shipment lines of the selected line from the pool shipment page.
Show Details on Sequence Planning Page	Specifies if you want to see the individual warehouse shipment lines of the selected line from the sequence planning page.
Due Date Filtering on Outb. Whse. Req. Page	Specifies what warehouse requests need to be shown in the outbound warehouse request line page based on whether the due date of the request falls within the period from the workdate to the given dateformula in this field.

Numbering FastTab

Field	Description
Tour Nos.	The number series for tours.
Auto Pick Nos.	The number series for auto pick (function on the Logistics Pool-Whse. Shipments page).
Loading Nos.	The number series for loading cards.

Field	Description
Bundle Nos.	The number series for whse. bundles.

Whse. Dimensions FastTab

Warehouse Dimensions can be defined on item level. On source document level (for example sales order, purchase order) the item warehouse dimensions will be added to the source line (when the item is used on the line). From the source line the Warehouse Dimensions are transferred to Warehouse Request Lines, (Posted) Warehouse Receipt/Shipment Lines, Logistics Activity Lines, Tour Lines and Warehouse Entries. Which dimensions can be used in Logistics will be defined here.

Field	Description
Global Whse. Dim. 1 - 15 Code	It is possible to set up 15 code-based Warehouse Dimensions.
Global Whse. Dim. 1 - 5 Code D	It is possible to set up 5 decimal-based Warehouse Dimensions.
Length Whse. Dim. Code	Whse. Dim. Code for registering length as a dimension. This dimension will be synchronized to the base item unit of measure length field.
Width Whse. Dim. Code	Whse. Dim. Code for registering width as a dimension. This dimension will be synchronized to the base item unit of measure width field.
Height Whse. Dim. Code	Whse. Dim. Code for registering height as a dimension. This dimension will be synchronized to the base item unit of measure height field.

SSCC Label FastTab

A Serial Shipping Container Code (SSCC) label can be generated from the Logistics Pick

document. Some of the components of the SSCC label are fixed, but here it is possible to configure five elements of the SSCC label.

Field	Description
SSCC GS1 Code	This field should be entered according to standard regulations of GS1. The GS1 AI (Application Identifier) code for SSCC is 00 and is a necessary part of the SSCC label/barcode.
Use Field 5-9 in Barcode	If these toggles are turned on, the SSCC label will be created based on the fields defined in the Value SSCC Label Fields 5-9.
Value SSCC Label Field 5-9	Determines which data/fields will be added to the SSCC label. The options are: - GLN - Batch/Lot No - Packaging Date - Expiration Date - Product Variant - Serial No.
Field 5-9 GS1 Code	These fields should be filled out according to GS1 standard regulations. - GLN - Batch/Lot No = 10 - Packaging Date = 13 - Expiration date = 17 (or Best Before Date = 15) - Product Variant = 20 - Serial No = 21

Below a SSCC label example is shown highlighting the positions of configurable fields 5 - 9 on the label.

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Text Module FastTab

Field	Description

Field	Description
Text Module Logistics Integration Activated	By default the COSMO Text Module integration is not activated (because it depends on whether you have a license for using COSMO Text Module; it is not recommended to activate it by default). This option is activated automatically when the Predefined Text Module Setup action for Logistics is run (Related menu > Setup). If the COSMO Text Module setup is done manually, this activation option needs to be set manually as well. When this toggle is turned off, the COSMO Text Module references in warehouse related pages are not visible. For more information about the integration, see COSMO Text Module.
Show Additional Text on Activity Type	For warehouse pick and put-away documents the standard Business Central reports are showing the same item twice (for a take and place line). With this option it is possible to set how the extra text will be handled on the reports: - *Place*: the additional text will be printed for the place lines only. - *Take*: the additional text will be printed for the take lines only. - *Take & Place*: the additonal text will be printed for both the plance and take lines.

App Licensing FastTab

Field	Description
App License Key	Specifies your unique license key for the app. The key is generated when the setup is initialized.
App License Valid Until	Specifies the date and time until the license is valid.
App License Status	Specifies the status of the license.

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Field	Description
App License Information	Displays information regarding your license from the licensing server.
App Granule Disabled	Indicates whether the app granule has been disabled on the COSMO License Overview page (see App Licensing and Registration).

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COSMO Logistics Setup Fields on Location Card

The fields on the Location Card that are specific to COSMO Logistics are described in the following table.

General FastTab

On the General FastTab it is possible to define whether a location serves as a consignment stock location.
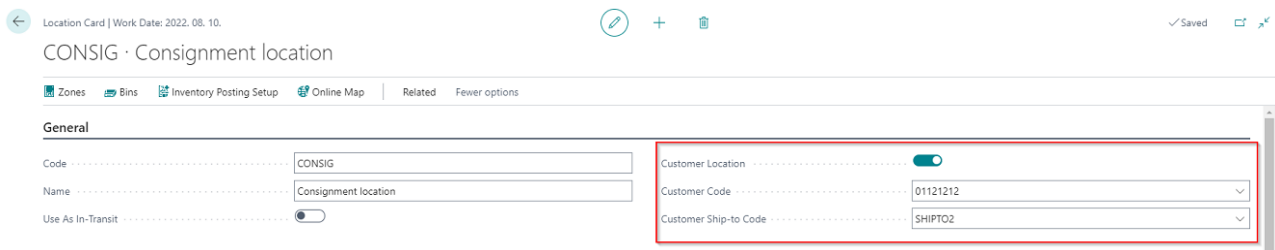
Field	Description
Customer Consignment Location	Determines if the location is a customer location. It may be part of the consignment order process.
Customer Code	Customer linked to the customer location.
Customer Ship-to Code	Address definition to the customer location.

Warehouse FastTab

On the Warehouse FastTab you will find options to activate warehouse request lines, activity lines and setting up a put-away strategy.

Field	Description
Whse. Inbound Request Lines Generation	Determines if the inbound request line is generated when the inbound order is released.
Whse. Outbound Request Line Generation	Determines if the outbound request line is generated when the outbound order is released.
Use Put-away Strategy	Indicates whether the put-away strategy is used.
Put-away Strategy Code	Indicates the put-away strategy to be used for this location, if the Use Put-away Strategy toggle is turned on. This strategy can be overruled when defining a specific strategy on item level.
Create Warehouse Activity Lines	Defines whether warehouse activity lines are to be created for the warehouse activity process. With activity lines the take and place lines are combined in one record for easy handling of the warehouse activity.
Auto. Register Warehouse Put-away (on Last Registered Warehouse Activity Line)	Each warehouse put-away document needs to get registered, but by turning on the Create Warehouse Activity Lines toggle, it is also required to register each individual put-away line separately. Use this option to control the put-away registry:
	- *Empty* : Register of put-away manually (standard Business Central).
	- *Confirm* : When the last activity line is being registered after confirmation the put-away document will be automatically registered.

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Field	Description
	- *Automatic* : When the last activity line is being registered the put-away document will be automatically registered.
Auto. Register Warehouse Pick (on Last Registered Warehouse Activity Line)	Each warehouse pick document needs to get registered, but by turning on the Create Warehouse Activity Lines toggle, it is also required to register each individual pick line separately. Use this option to control the pick registry:
	- *Empty* : Register of pick manually (standard Business Central).
	- *Confirm* : When the last activity line is being registered after confirmation the pick document will be automatically registered.
	- *Automatic* :When the last activity line is being registered the pick document will be automatically registered.
Pick for Consumptions	Determines if it is possible to require picking for production consumption - even if the standard Business Central setting Require Pick is not activated.
Do not allow Overconsumption	Controls the behavior of overconsumption in case picking is not required for production. If the toggle is turned on, overconsumption is not possible.
Do not combine Consumption Pick Lines	Determines if lines will not get combined when modifying the bin code for a consumption pick line, which results in the same item/variant/bin combination as another pick line.

Logistics Shipment Process FastTab

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Combine Shipment fields

When using Warehouse Request Lines it is possible to generate shipment proposal where certain request lines can be combined based on the settings done here.

Field	Description
Combine Shipment Active	Determines if the combine shipment functionality is enabled. If turned on, the below fields around combining will be active.
Warehouse Shipment Combine Option	This setting determines whether or not existing open warehouse shipments should be included when combining shipments. The options are:
	- *Empty*: Existing open warehouse shipments will NOT be taken into account when calculating combining options.
	- *Status Open*: Open warehouse shipments can be used for calculating combining options. Obviously depending on the other combining options.
Combine Shpt. Destination Code	Determines if shipments can be combined when the request lines are having the same destination code.
Combine Ship-to Code	Determines if shipments can be combined when the request lines have the same ship-to code.
Combine Shpt. Ship Agent Serv.	Determines if shipments can be combined when the request lines have the same shipping agent and shipping agent service code.

Field	Description
Combine Shpt. Order Type	Determines if shipments can be combined when the request lines have the same order type code. However on order type level it is possible to exclude from combining if: - order type is set to Not Combine Line: do not combine a request line when having this order type. - order type is set to Not Combine Orders: do not combine the request line with other source document lines even when the order type is the same.
Combine Shpt. Shipment Method	Determines if shipments can be combined when the request lines have the same shipment method.
Combine Shp. Date Formula	You can combine request lines with different planned shipment dates into one warehouse shipment by defining a dateformula here. If the field is empty or the value is zero, no combination is done.
Check Combine Shpt. Condition	Determines if the combine Shp. Date Formula check will be executed.

Combining shipments will be explained more in the Warehouse Shipment Proposal section.

Pre-Pick fields

Field	Description
Pre-Pick	Determines if pre-picking is activated on this location and therefore pre-picking lines will be created when the pick document is generated.
Packing Place/Pre-pick Bin Code	Defines a packing place bin code for the corresponding storage location. This setting is intended for storage locations with pre-picking. If a packing place is defined (and the Pre-pick toggle is turned on) basically two warehouse activity lines are added when creating the warehouse pick document:
	- *Pre-pick line*: For taking the item(s) from the storage bin to the pre-pick/package bin.

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Field	Description
	- *Pick line*: For taking the item(s) from the pre-pick/package bin to the shipping bin. Only after the pre-pick line has been registered can the pick line be registered.
Enable dynamic Packing Place Code on Warehouse Shipment	Determines if it is possible to change the packing place on warehouse shipment level. Instead of using the packing place code defined on location level, it will be possible to change it on warehouse shipment level by selecting an alternative packing place.

Pre-picking will be explained more in the Warehouse Activtities section.

Document synchronization fields

Field	Description
Sync. Connected Documents	Determines if and how document synchronization is being handled when changing a source document. The options are:
	- *De-activated*: Connected warehouse shipment is not synchronized and standard Business Central logic applies. All synchronization setting fields are disabled.
	- *Question*: Connected whse. shipment will be synchronized only after confirmation.
	- *Always*: Connected whse. shipment is always synchronized.
	- *Force Change on Source Document*: Modifying the source document is possible even with a connected warehouse shipment, but without synchronizing and not all changes are allowed (for example, lowering the quantity is restricted).
Sync. Quantity	Specifies whether the source document quantity can be changed even though warehouse shipments already exist. The options are:
	- *Empty*: It is not possible to change the quantity if a warehouse shipment line already exists (standard Business Central).
	- *Open whse. shipment*: It is possible to change the quantity even if there is a connected *open* warehouse shipment (which will be synchronized).
	- *Released whse. shipment*: It is possible to change the quantity even if there is a connected *released* warehouse shipment (which will be synchronized). But if a warehouse pick has been created, the system does not allow the change.

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Field	Description
	- *Pick exists*: The change is adopted even if picking lines already exist. The picking lines are not taken into account. If the quantity increased, another picking would have to be created for the remaining quantity.
Sync. Ship. Agent & Serv. Code	Specifies whether the shipping agent and the shipping agent service code can be changed even though warehouse shipments already exist. The options are:
	- *Empty*: It is not possible to change the field if a warehouse shipment line already exists (standard Business Central).
	- *Open whse. shipment*: It is possible to change the field even if there is a connected *open* warehouse shipment (which will be synchronized).
	- *Released whse. shipment*: It is possible to change the field even if there is a connected *released* warehouse shipment (which will be synchronized). But if a warehouse pick has been created, the system does not allow the change.
	- *Pick exists*: The change is adopted even if picking lines already exist. The picking lines are not taken into account.
Sync. Shipment Date	Specifies whether the shipment date can be changed even though warehouse shipments already exist. The options are:
	- *Empty*: It is not possible to change the field if a warehouse shipment line already exists (standard Business Central).
	- *Open whse. shipment*: It is possible to change the field even if there is a connected *open* warehouse shipment (which will be synchronized).
	- *Released whse. shipment*: It is possible to change the field even if there is a connected *released* warehouse shipment (which will be synchronized). But if a warehouse pick has been created, the system does not allow the change.
	- *Pick exists*: The change is adopted even if picking lines already exist. The picking lines are not taken into account.
Sync. Order Type Code	Specifies whether the order type code can be changed even though warehouse shipments already exist. The options are:
	- *Empty*: It is not possible to change the field if a warehouse shipment line already exists (standard Business Central).
	- *Open whse. shipment*: It is possible to change the field even if there is a connected *open* warehouse shipment (which will be synchronized).

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Field	Description
	- *Released whse. shipment*: It is possible to change the field even if there is a connected *released* warehouse shipment (which will be synchronized). But if a warehouse pick has been created, the system does not allow the change.
	- *Pick exists*: The change is adopted even if picking lines already exist. The picking lines are not taken into account.
Sync. Shipment Method Code	Determines whether the shipment method code can be changed even though warehouse shipments already exist. The options are:
	- *Empty*: It is not possible to change the field if a warehouse shipment line already exists (standard Business Central).
	- *Open whse. shipment*: It is possible to change the field even if there is a connected *open* warehouse shipment (which will be synchronized).
	- *Released whse. shipment*: It is possible to change the field even if there is a connected *released* warehouse shipment (which will be synchronized). But if a warehouse pick has been created, the system does not allow the change.
	- *Pick exists*: The change is adopted even if picking lines already exist. The picking lines are not taken into account.
Sync. All Whse. Shpt. Lines	When a change is being synchronized to the warehouse shipment, it is possible to synchronize this change also to other source lines being present on the same warehouse shipment. For which fields this applies is determined by the other synchronization field settings. The options are:
	- *Empty*: Linked lines are not synchronized.
	- *Question*: If there are linked document lines present on the warehouse shipment, the system will ask for confirmation before they are to be synchronized.
	- *Always*: If there are linked document lines present on the warehouse shipment, these lines are automatically synchronized.
Activate Split Line	Determines if it is possible to use the split line function to split a line on a source document. In case specific pricing and discounts are defined based on quantities it is recommended to disable the split line function as it might have effect on correct pricing/discount calculation.

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Field	Description
Allowed Whse. Shpt. Status for Splitting	This option is enabled when the Activate Split Line toggle is turned on and defines at which warehouse shipment status, splitting is still possible on the source line (sales order). The options are:
	- *Empty*: In this case splitting cannot be used when there is at least one warehouse shipment linked to the source line.
	- *Open Whse. Shipment*: In this case splitting can be used when the linked warehouse shipment is still *Open*.
	- *Released Whse. Shipment*: In this case splitting can be used even when the linked warehouse shipment is *Released*. The change is adopted even if picking lines already exist. The picking lines are not taken into account.

Other fields

Field	Description
Pick Strategy	Defines how the storage locations are suggested in the (pre-)picking lines. The options are:
	- *Empty*: The system will use standard Business Central for bin selection.
	- *Same or Higher Bin Content*: The system tries to find a minimum number of storage bins to fulfill the requested quantity. If not found, standard Business Central logic will be applied. If multiple bins are found, the default bin has priority.
	- *Minimum Bin Content*: The system tries to empty the storage bins as quickly as possible. If multiple bins are found, the default bin has priority.
Check Doc. Status Shpt. Release	Specifies if the status of the source document is checked when the warehouse shipment is released.
	- If turned on, the status of the source document must be Released when releasing the connected warehouse shipment (standard Business Central method).
	- If turned off, the status of the source document may be Open when releasing the connected warehouse shipment.
Create Shpt. at Release Doc.	Determines if the warehouse shipment is automatically created when the source document is released.

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Field	Description
Enable dynamic Shipment Bin Selection on Warehouse Shipment	With standard Business Central when changing the shipment bin on the header, the lines needs to get updated manually. With this setting it is possible to update the lines automatically. The options are:
	- *Empty*: The system will use standard Business Central behavior.
	- *Update Shipment Lines without Bin Codes automatically*: The system will update only the shipment lines without having a bin code defined (assuming changing the bin code is still allowed).
	- *Update all Shipment Lines automatically*: The system will update the bin code on all the lines (assuming changing the bin code is still allowed).
Use strict expiration check on (pre-)pick	Determines if the system will check on (pre-)pick line registering whether there is an expiration date defined which is before the registering date. If turned on, the registering cannot be completed (preventing an expired lot to be (pre-)picked).

SSCC FastTab

The Serial Shipping Container Code (SSCC) is an 18-digit number used to identify logistics units.

An SSCC starts with an open position that is selected by the company itself. It is followed by the 7- to 9-digit GS1 Company Prefix, depending on the type of GS1 Company Prefix, which is being used.

The length of the company prefix determines the SSCC number range. A shorter company prefix allows for more SSCC numbers as the sequential number (serial reference) has more characters.

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GS1 Application Identifier	SSCC (Serial Shipping Container Code)			
	Extension digit	GS1 Company Prefix ———————→	←——————— Serial reference	Check digit
0 0	N_1	N_2 N_3 N_4 N_5 N_6 N_7 N_8 N_9 N_{10} N_{11} N_{12} N_{13} N_{14} N_{15} N_{16} N_{17}		N_{18}

To generate SSCC numbers within the system, some setup needs to be done.

Field	Description
SSCC Reserve Digit	This is the GS1 extension digit and is used to increase the capacity of the serial reference within the SSCC. It is assigned by the company that constructs the SSCC. The extension digit ranges from 0-9.
GLN Type	Specifies the GLN type. The options are:
	- *Empty*: Not specified.
	- *1 = Company with unique location*: GLN is assigned to companies without any other locations. This means they only get one unique location number.
	- *2 = Company with several locations*: Indicates the organization can have additional GLN numbers based on additional locations, making it possible to differentiate between parts of the organization.
GLN Base No.	Specifies the GS1 Company Prefix number, which can vary between 7-9 digits.
GLN Private Generation	This is a serial number used for location reference. This number can be freely decided and depends on the length of the GLN Base No. It could be in the range 00-99, 000-999 or 0000-9999.
GLN Check Digit	The check digit is calculated from the first 12 digits of the GLN and helps to ensure the integrity of the number. Put here the check digit of the GLN belonging to this location.
GLN	A GLN is a 13-digit number consisting of the GS1 company prefix, a location reference, and a check digit. This read-only fields shows the combination of GLN base no., GLN privat generation and GLN check digit.
Shipping Unit Nos.	Here the number series for the Serial Reference part of the SSCC is specified, so that the system knows in which number series it may generate SSCC. The combined length of the GS1 Company Prefix and Serial Reference is always 16 digits, so be aware of this when defining the No. Series Lines.
Shipping Unit Mandatory	Determines if SSCC is required during picking.

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Field	Description
Skip SSCC No. Generation	Determines if the label numbering will skip the SSCC logic and only use the No. Series.
Loading Date/Timeframe for Assigning SU	Defined which posted shipment could be assigned to a loading document by date. (e.g., *"-1W"* means, shipments posted in the last week could be selected)
Print SSCC Label	Determines when the system will print the SSCC labels. The options are:
	- *Manual*: Manually printed from the shipping unit.
	- *On Creation*: If set on creation the label is printed automatically when the shipping unit is created.
	- *On Completion*: If set to on completion the label is printed automatically when the shipping unit is completed.
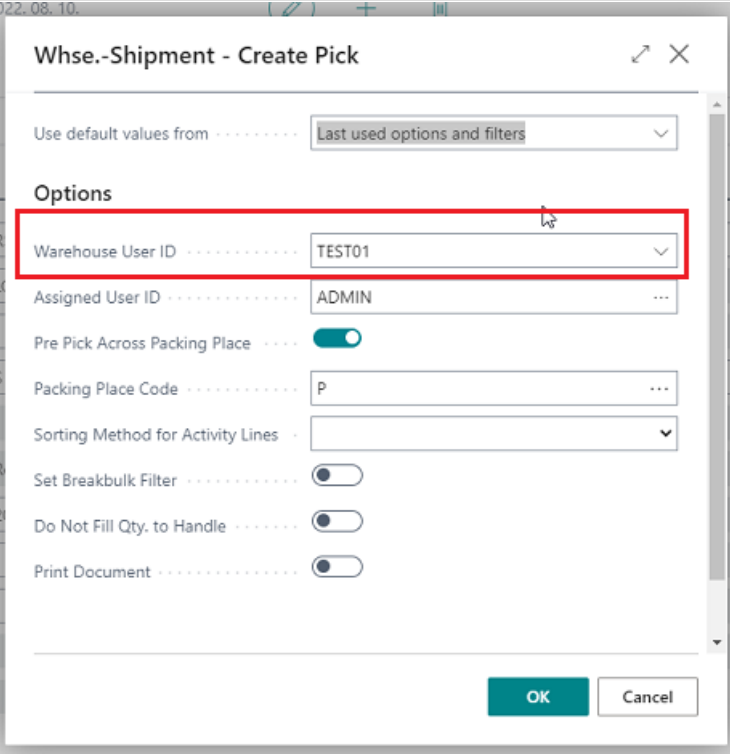
Warehouse User FastTab

The Warehouse User is an extension that allows employees in logistics areas to create and edit relevant documents with a personal user ID without having to log off and log on to the system each time by using the same device user license. This extension enables a quick user change with consistent recording of which employee has worked on which Logistics document.

How warehouse users can be used throughout the system will be in a separate section. Some of the relevant setup fields are described in the following table.
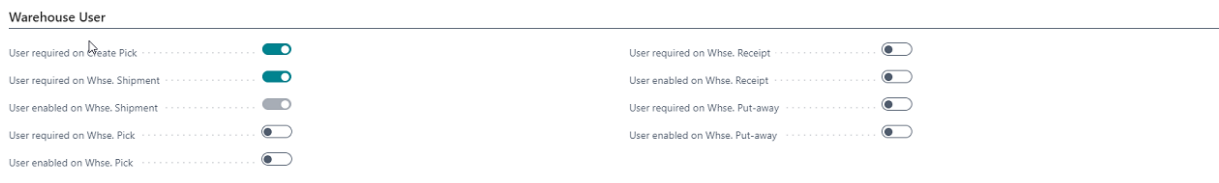
Field	Description
User required on Create Pick	Determines if adding a warehouse user in the Create Pick process is mandatory. It basically means a warehouse pick cannot be created without an assigned warehouse user upfront.

Field	Description
	This setting can work together with the Create Pick field on warehouse user line level: if the Create Pick toggle is turned on, it is possible to default a warehouse user in the Create Pick process, depending on the signed in warehouse user and location.

Field	Description
	If in the above example warehouse user TEST01 is signed in and initiate the Create Pick process for location LOGISTICS this user will be defaulted as the standard warehouse user. In case warehouse users are allowed to create their own picks this can be a useful setting, otherwise it is recommended not to activate this.

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Field	Description
User required on Whse. Shipment	Determines if releasing a warehouse shipment without an assigned warehouse user is possible.
User enabled on Whse. Shipment	Determines if the warehouse user ID field is enabled and can be used next to the standard Business Central Assigned User ID field.
	When filling in the warehouse user ID on the warehouse shipment, the assigned user ID will be defaulted from the selected warehouse user record. This toggle will be automatically turned on when the User required on Whse. Shipment toggle is turned on. If the User required on Whse. Shipment toggle is turned off, it is possible to enable the field, so it can be used optionally on the warehouse shipment.
User required on Whse. Pick	Determines if registering the warehouse pick without an assigned warehouse user is possible.
User enabled on Whse. Pick	Determines if the warehouse user ID field is enabled and can be used next to the standard Business Central Assigned User ID field.
	When filling in the warehouse user ID in the warehouse pick, the assigned user ID will be defaulted from the selected warehouse user record. The warehouse user ID will be transferred to the Logistics Activity Lines when defined/modified. This toggle will be automatically turned on when the User required on Whse. Pick toggle is turned on. If the User required on Whse. Pick toggle is turned off, it is possible to enable the field, so it can be used optionally on the warehouse pick.
User required on Whse. Receipt	Determines if posting a warehouse receipt without an assigned warehouse user is possible.

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Field	Description
User enabled on Whse. Receipt	Determines if the warehouse user ID field is enabled and can be used next to the standard Business Central Assigned User ID field.
	When filling in the warehouse user ID on the warehouse recceipt, the assigned user ID will be defaulted from the selected warehouse user record. This toggle will be automatically turned on when the User required on Whse. Receipt toggle is turned on. If the User required on Whse. Receipt toggle is turned off, it is possible to enable the field, so it can be used optionally on the warehouse receipt.
User required on Whse. Put-away	Determines if registering the warehouse put-away without an assigned warehouse user is possible.
User enabled on Whse. Put-away	Determines if the warehouse user ID field is enabled and can be used next to the standard Business Central Assigned User ID field.
	When filling in the warehouse user ID in the warehouse put-away, the assigned user ID will be defaulted from the selected warehouse user record. The warehouse user ID will be transferred to the Logistics Activity Lines when defined/modified. This toggle will be automatically turned on when the User required on Whse. Put-away toggle is turned on. If the User required on Whse. Put-away toggle is turned off, it is possible to enable the field, so it can be used optionally on the warehouse put-away.

Feedback

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COSMO Logistics Setup Fields on Bins

The fields on the Bins page that are specific to COSMO Logistics are described in the following table.

Field	Description
Blocked for Whse. Shpt. Pick	The Warehouse Pick creation from the warehouse shipment doesn't take into consideration the stock in the given bin.
Blocked for Production Pick	The Warehouse Pick creation from the production order doesn't take into consideration the stock in the given bin.
Bin Size Code	Each bin can have its own bin size. It is used in the Put-away Strategy.
Maximum Weight	The maximum weight a bin can hold based on the value defined on the used bin size. This field is synchronized with the standard Maximum Weight field.
Actual Weight (in Bin)	The sum of weight of items currently stored in the bin (based on the weight values from the warehouse entries).
Actual Weight (in Put-away)	The sum of weight on the unposted warehouse activity lines related to the given bin. This is the weight pending to be placed into the bin.
Maximum Cubage	The maximum cubage a bin can hold based on the value defined on the used bin size. This field is synchronized with the standard Maximum Cubage field.
Actual Cubage (in Bin)	The sum of cubage of items currently stored in the bin (based on the cubage values from the warehouse entries).

Field	Description
Actual Cubage (in Put-away)	The sum of cubage on the unposted warehouse activity lines related to the given bin. This is the cubage pending to be placed into the bin.

Feedback

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COSMO Logistics Setup Fields on Item Card

The fields on the Warehouse FastTab of the Item Card that are specific to COSMO Logistics are described in the following table.

Warehouse FastTab

Packing unit items (e.g., packaging material, boxes) are used as complementary products in logistics funtions.

Field	Description
Packing Unit Item	Determines if the item can be identified as a packing unit item.
Packing Unit Ident Code	Defines a code for identifying the packing unit item and is for informational purposes only (no additional functionality is linked to this field).
Packing Unit Group Code	Selects a packing unit group code for the item.
Packing Item No.	Defines the default packing item used for the item. It is possible to define more specific packaging items in the Packing Standard List.
Quantity per Trading Unit	Defines the units per parcel for this item.
Bin Size Code	Defines a default bin size code for the item.

Field	Description
Put-away Strategy Code	Defines the put-away strategy for the item. Priority of this code is higher than the put-away strategy code of the location.

Feedback

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Outbound Warehouse Request Line

The outbound warehouse request line list shows all the released and not yet handled outgoing request lines for planning the warehouse work. Starting from the request lines the warehouse users can plan and create the shipments, organize the work within the warehouse.

Prerequisites

The Whse Request Line setup

On the Location card, the Whse. Request Lines flag must be set to *YES* in order to have the source document lines on the Warehouse request lines to appear automatically.

By the release step of the source document, the whs. request line is generated.

On the source document's line, the user can see and edit the Warehouse request lines generated field.

This field is filled according to the Location setup, but the user can create exceptions.

If the Warehouse request lines generated field is *NO* on the source document line, the warehouse request line will be not generated.

On the transfer order, two Warehouse request line generated fields are found, separately for the inbound and outbound warehouse tasks.

Logistics Setup: Due Date filtering

On the Logistics Setup page it is possible to set a filter in the 'Due Date Filtering on Outb. Whse. Req. Page' field, which determines which lines to show (compared to the workdate) when opening the outbound request line page and therefore also which lines to include in the warehouse shipment proposals.

Location Setup : Combining logic for the whse. shipment proposal

On the location card it is possible to define different rules for combining shipments which will be used in the Create Whse. Shipment Proposal function.

10 · Logistics location

| Zones | Bins | Inventory Posting Setup | Online Map | | Related | Fewer options |

Logistics Shipment Process

Warehouse Shipment Combine Option	Status Open ▾
Combine Shpt. Destination Code	⬤ (on)
Combine Ship-to Code	◯ (off)
Combine Shpt. Ship Agent Serv.	◯ (off)
Combine Shpt. Order Type	◯ (off)
Combine Shpt. Shipment Method	◯ (off)
Combine Shpt. Date Formula	
Check Combine Shpt. Condition	◯ (off)

The setup will influence the warehouse shipment proposals, e.g. if Combine Shipment Destination is *yes*, all the warehouse shipments to the same destination will have the same proposal number.

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Outbound Warehouse Request Line List Page

The outbound warehouse request line list shows all the released and not yet handled outgoing request lines for planning the warehouse work.

The page has two sections: the lines and a summary showing the total weight of all the lines waiting to be handled and the number of lines. The lines are filtered by the location the user has access to, so that each warehouse worker sees only those that belong to their setup.

The overview contains the following types of line items:

- Document lines for which no goods issue has been created yet
- Line items for which there is already a goods issue and which still have to be picked
- Document lines that are completely picked and ready for dispatch

Fields

The lines contain several fields that can be tailored to the client's needs during implementation. Most of the fields in the lines are described in the following table.

Field	Description
Due Date	Indicates the planned shipment date from the sales order.
Promised Shipment Date	Indicates the promised shipment date if one exists in the sales order.
Source Document No.	Indicates the number of the source document (sales order, transfer order, service order, or purchase return order number).

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Field	Description
Source Document Line No.	Indicates the line number within the given source document.
Source Doc. Type	Indicates the type of source document, which can be sales/transfer/purchase.
Source Document Status	Indicates the status of the source document (Released/Open).
Whse. Document No.	Indicates the number of the warehouse document.
Item No.	Indicates the number of the item.
Description	Indicates the description of the item.
Tour No.	Indicates the tour number if assigned to a tour.
Location Code	Indicates the location from which the shipment will be done.
Quantity	Indicates the quantity to be handled.
Unit of Measure Code	Indicates the unit of measure of the item.
Weight	Indicates the weight in basic unit of measure.
Destination No.	Indicates the destination to where it has to be shipped (e.g., ship-to customer, other location).
Shipping Agent Code	Indicates the shipping agent that will take the goods (e.g., GLS or FEDEX).
Shipping Agent Service Code	Indicates the shipping agent service code if applicable (e.g., standard or night service).
Order Type Code	Indicates the type of order if applicable.
Qty. Whse. Shpt.	Indicates the quantity on the warehouse shipment document.

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Field	Description
Outstanding Qty. Whse. Shpt.	Indicates the outstanding quantity on the warehouse shipment document.
Pick Completed	Set to "true" if pick exists and was completed, otherwise set to "false".
Qty. in Pick	Indicates the quantity that has been created but not yet registered.
Qty. Per Unit of Measure	Indicates if the basic unit of measure of the item differs from the one defined on the line, then it shows how much of the basic UM = to 1 unit of the line UM (this definition comes from the item alternate unit of measure definition).
Qty. Picked	Indicates the quantity that has been picked.
Shipment Method Code	Indicates the shipment method from the source document.
Ship-to Address 2	Indicates the address 2 of the Ship-to code.
Ship-to Address	Indicates the address of Ship-to code.
Ship-to City	Indicates the city of Ship-to code.
Ship-to Code	Indicates the code of Ship-to if exists.
Ship-to Contact	Indicates the contact person from the Ship-to code.
Ship-to Country Code	Indicates the country code of the Ship-to.
Ship-to Name 2	Indicates the name 2 of the Ship-to code.
Ship-to Name	Indicates the name of the Ship-to code.
Ship-to Post Code	Indicates the post code of the Ship-to address.
Unit Volume	Indicates the volume of one item, defined on the Item Card.
Variant Code	Indicates the code of variant item if applicable.

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Field	Description
Weight Order Outstanding Quantity	Indicates the weight of the outstanding quantity.
Whse. Document Line No.	Indicates the number of the line on the warehouse document.
Warehouse Document Status	Indicates the status of the warehouse document (Released/Open).
Cubage	Based on the volume info on the Item Card, the system calculates according to Height/length/width data.
Height / Length / Width	Indicates the measurements defined on the Item Card.

The fields in the Summary section are described in the following table.

Field	Description
Total Weight	Indicates the total weight of all the line items.
No. of Lines	Indicates the total number of lines on the document.

Actions

The actions on the Actions and Related menus are described in the following sections.

Actions Menu

To use the actions on the Actions menu, several lines can be marked simultaneously. Each action is described in the following table.

Action	Description
Create Whse. Shipment	Creates a warehouse shipment for the selected lines on the warehouse request line list.
Create Whse. Shipment and Pick	Creates the warehouse shipment and the picking at the same step. Using this function opens the Pick card.

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Action	Description
Assign Tour	Assigns a tour number to the selected lines. A tour contains a tour date, a shipping agent and the shipping agent service type. These data are assigned to the selected rows. The tour number is transferred to the goods issue and shipping units and is used for time planning. It is possible to assign a tour to only one or several lines on the warehouse request line list.
Change Shipping Agents	Changes the shipping agent and shipping agent code in one step for all the lines of the source document. The agent will be changed on the header and the lines as well.
Change Shipment Date	If the source document status is open, changes the shipment date on the warehouse shipment document. This function changes the date even if not all the lines are selected from the given warehouse shipment.
Check Underdelivery	If a delivery tolerance is set for the given line, it is possible to check if the quantity to be shipped is within or beyond the delivery tolerance. For more information, see Overdelivery Relation Qty. and Underdelivery Relations Qty..
Create Whse. Shipment Proposal	Creates a warehouse shipment proposal for the selected lines. A line created as a suggestion for warehouse shipments. For more information, see Create WHS Shipment Proposal.

Overdelivery Relation Qty. and Underdelivery Relations Qty.

The relevant information for over- and underdelivery is:

- Outstanding quantity – System checks the outstanding quantity, and it is compared with the tolerance.
- Quantity – System checks the difference between the quantity and shipped quantity, and it is compared with the tolerance.

Prerequisite for checking underdelivery is that the warehouse shipment should be for the marked WHS. Request line.

Error messages and resolutions:

- The warehouse shipment does not exist.
  - The pick doesn't exist for the marked WHS. Request line.
- Warehouse Activity lines exist for the *Warehouse Shipment No.*
  - Delete all connecting Warehouse Activity Lines to Warehouse Shipment No.
  - The Delivery Tolerance is not filled on the source document lines.
- Please check the Delivery Tolerance in the source document.

- If the open quantity is not within limit, check the Delivery Tolerance in the source document.

Create WHS Shipment Proposal

This function checks the location card setup and creates the proposal to the warehouse shipment lines, and opens the warehouse shipment proposal lines page. This function shows only those lines that don't have the warehouse shipment assigned.

The combination rules are defined on the location card as follows:

- Combine Shpt. Destination: All the shipment going to the same destination can be summarized.
- Combine Shpt. Ship Agent Serv.: All the shipments with the same shipping agent and shipping agent service are summarized.
- Combine Shpt. Order Type: All the shipments with the same order type are summarized.
- Combine Shpt. Shipment Method: All the shipments with the same shipment method defined in the source document are summarized.

Several combination rules can be used at the same time and based on that, the system will assign a proposal number for each line. For a detailed description of the function, see Logistics Warehouse Shipment Proposal Lines.

Related Menu

The actions on the **Related** menu are described in the following table.

Action	Description
Open Source Document	Opens the source document of the selected line. This can be a sales order, transfer order, service order, or a purchase return order.
Open Whse. Shipment	Opens the warehouse shipment. If pick exists for the warehouse shipment, then the pick document will be opened.
Open Tour Document	Opens the tour document if one exists.
Item Availability by Variant	Opens the list that shows the available inventory of the variant items, if exists.
Item Availability by Location	Opens the list that shows the inventory of the given item in each location.

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Action	Description
Item Availability by Periods	Opens the list that shows the available inventory balance taking into consideration the requirements and the planned shipments.

Feedback

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Testing Scenario Proposal

- Check prerequisites

- **Whse. Req. Lines** flag is set to *YES* on the location card

- Check combine logic setup on the location card

- Number series assigned to the **Tour Nos.** field in the **Logistics Setup** page

- Tour exists on the tour card

- Delivery tolerance exists and is assigned to the given item on the item card (Sales delivery tolerance)

- Create source documents

- Sales order for 2 items. Check if the order appears on the Warehouse request lines after the release.

- Transfer order for 1 item. Check if the order appears on the Warehouse request lines after the release.

- Purchase return order for 1 item. Check if the order appears on the Warehouse request lines after the release.

- Based on the actions of the Warehouse Request Line List page, check each step of the available functions.

- Create a warehouse shipment. Check if the document is created, can be released and shipped.

- Assign a Tour to the line. Check if the tour card contains the line. Try to assign the same line to a different tour, it should give an error message.

- Change shipment date. If the date is changed, the source document shipment date should be also changed (if open).

- Change the shipping agents. Check if the shipping agent is changed on the source document header and lines.

Warehouse Shipment Proposal Lines

The Logistics Warehouse Proposal Lines can be accessed directly or from the Logistics Outbound Request lines function. The Proposal checks the combining rules for the existing source document lines depending on the storage location and creates suggestion lines for warehouse shipments. After executing the function, a window with the proposal lines appears. The list is displayed as a line view. It also checks whether there are already open Warehouse shipments that fulfill the summary criteria and if that is the case, the suggested lines are assigned to these warehouse shipments.

An availability check takes place within the framework of the proposal. The application automatically suggests, based on the stock, for which items a warehouse shipment should be created. The application distributes the remaining stock to the document lines according to the goods issue date. If the remaining stock for the given item is greater than zero, it will be proposed as a quantity for warehouse shipment. The create warehouse shipment is set to yes in this case, but it can be changed manually. The default quantity can also be changed so that an override (maximum up to the remaining order quantity) can be made.

Prerequisites

- Combine logic setup for the whse shipment proposal

On the location card it is possible to define different combination logic for the warehouse shipment proposal function. These combine fields can only be set if the Combine Shipment Active is set to TRUE.

10 · Logistics location

Zones   Bins   Inventory Posting Setup   Online Map | Related   Fewer options

Logistics Shipment Process

Warehouse Shipment Combine Option · · · · · · · · · · · ·	Status Open ⌄
Combine Shpt. Destination Code · · · · · · · · · · · · · ·	⬤◯ (on)
Combine Ship-to Code ·	◯ (off)
Combine Shpt. Ship Agent Serv. · · · · · · · · · · · · · ·	◯ (off)
Combine Shpt. Order Type · · · · · · · · · · · · · · · · · ·	◯ (off)
Combine Shpt. Shipment Method · · · · · · · · · · · · · ·	◯ (off)
Combine Shpt. Date Formula · · · · · · · · · · · · · · · · ·	
Check Combine Shpt. Condition · · · · · · · · · · · · · ·	◯ (off)

The combination rules are defined on the location card as follows:

Combine Shpt. Destination: All the shipment going to the same destination can be summarized.

Combine Ship-To Code: only the lines with the same Ship-to code can be on the same Warehouse Shipment

Combine Shpt. Ship Agent Serv.: All the shipments with the same shipping agent and shipping agent service are summarized

Combine Shpt. Order Type: All the shipments with the same order type are summarized

Combine Shpt. Shipment Method: All the shipments with the same shipment method defined in the source document are summarized

Combine Shpt. Date Formula and Check Combine Shpt. Condition: All the shipments with the same Planned Shipment Date will be added to the same Warehouse Shipment

Several combination rules can be used at the same time and based on that the system will assign a proposal number for each line.

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Warehouse Shipment Proposal Line Page

On the warehouse request line page, user can reach the Create WHS. Shipment Proposal function. After using this function, the Logistics Warehouse Shipment Proposal Lines page is opened.

Fields

Some of the fields on the Logistics Warehouse Shipment Proposal Lines page are described in the following table.

Field	Description
Proposal No.	Based on the combination rules, the program assigns a proposal number to each line.
Processing No.	This column has been added to clarify the user in what order the lines for each unique location/item/variant combination have been processed. This way it is easier to follow the logic manually in case this is needed. N.B. Reservations are always respected independent of the processing number!
Available Inventory	Standard inventory calculation method minus quantity on blocking bin and already on warehouse shipments.
Create Whse. Shpt	If the quantity available is not zero, this checkbox is selected.
Qty. for Whs. Shpt.	An availability check takes place within the framework of the warehouse shipment proposals. The system automatically suggests, based on the stock, for which items a warehouse shipment should be created. The system distributes the requested available inventory to the document lines according to the Promised Shipment date. If the requested available inventory for the current item is greater than zero, it is proposed as the Qty. for Whse. Shpt.. After these steps, the Create Whse. Shpt. checkbox is selected. This option can be changed manually.
Available Reserved Qty. on Invt.	This field indicates the available inventory which is reserved for the current line.

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Field	Description
Remaining Inventory (line end)	This field calculates what is left as inventory for the next lines.
Remaining Inventory (Endtotal	Indicates the end total of inventory available.
Type	Indicates the type of the shipment line (inbound/outbound).
Whse. Document No.	It is also checked whether there are already open warehouse shipments that fulfill the summary criteria. If this is the case, the suggested lines are assigned to this warehouse shipment and the system fills the Whs. Shpt. No column.
Shipping advice	Complete - only the total quantity on the source document line can be shipped, Partial - partial shipment is allowed.

The fields in the Summary section are described in the following table.

Field	Description
Total Weight	Indicates the sum of the weight of all the proposal lines.
No. of Lines	Indicates the number of lines.

Actions

The actions on the Related menu are described in the following table.

Menu	Action	Description
Navigate	Open Source Document	Opens the source document of the selected line. This can be a sales order, transfer order, or purchase return order.
	Open Whse. Shipment	Opens the warehouse shipment. If pick exists for the warehouse shipment, then the pick document will be opened.
	Open Tour Document	Opens the tour document if one exists.
	Item Availability by Variant	Opens the list that shows the available inventory of the variant items, if exists.

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Menu	Action	Description
	Item Availability by Location	Opens the list that shows the inventory of the given item in each location.
	Item Availability by Periods	Opens the list that shows the available inventory balance taking into consideration the requirements and the planned shipments.
Process	Create Whse. Shipment	Creates a warehouse shipment for the quantity indicated in the Qty. for Whs. Shpt. field. To use this function, the Create Whse. Shpt. checkbox must be selected. The system uses the source document data in the Warehouse Shipment Proposal lines table (Source document No. and Source document line No.). This function operates the same way as the Create Whs. Shipment function directly from the source documents.

Feedback

Submit feedback for this page .

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Testing Scenario Proposal

- Check prerequisites

- Check the combine logic setup on the location card used for the testing. It is suggested to make several tests with one combination setup at a time and then with 2-3 different combination setups.

- Create several warehouse shipments

- Based on the combine logic setup create several different warehouse shipments and compare the outcome of the proposal to the expected results.

Warehouse Shipment Sequence Planning

The warehouse shipments sequence planning is a possible intermediate step to prioritize, summarize and release the created outgoing goods for the warehouse staff. Only released outgoing goods are visible to the warehouse staff in the sequence process.

The prioritization consists of two components. The 1st component is the picking group with corresponding picking group Prio.No., the 2nd component is a Prio.No., which corresponds to a prioritization within the respective picking group.

The picking groups were introduced to structure the planning of warehouse shipments. Warehouse shipments can be assigned to the respective picking groups. The picking groups have a certain value which reflects the space in the prioritization (1 – highest prio, 2 – second highest prio etc.). Later the priority of the warehouse shipments is defined within each picking group.

Prerequisites

- Logistics picking group:

Each picking group must have a priority number assigned to it that will affect the sorting of the warehouse shipments.
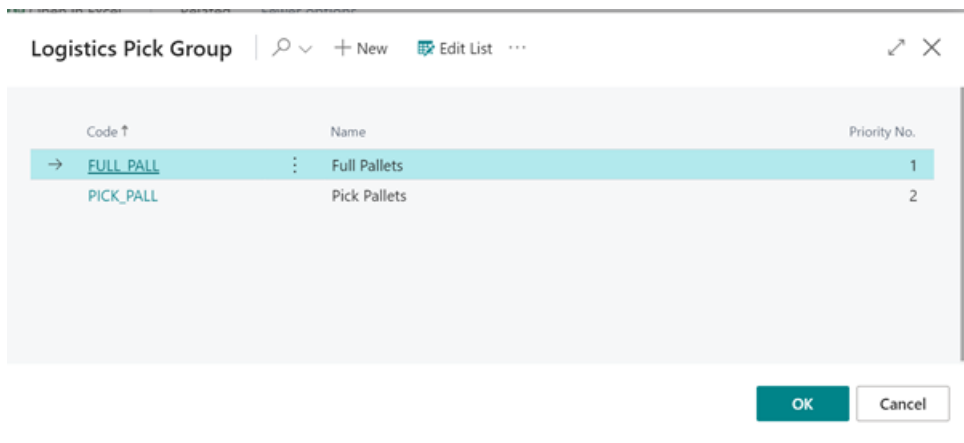
Logistics Whse. Shipment Sequence Planning Page

The page lists the following information, among others:

- warehouse shipment number
- location code
- shipment method and shipping agent information
- shipment date and posting date
- measurement information
- picking information
- availability warning: if there's not enough stock of the item, the availability warning is *TRUE*

Actions

The actions on the Related menu in the Logistics Whse. Shipment Sequence Planning page are described in the following table.

Menu	Action	Description
Release/Reopen	Release Selected / Reopen Selected	Releases or reopens the warehouse shipment (depending on the status of the document).
Process	(De)Assign Pick Group	(De)Assigns the selected warehouse shipment to a picking group. The picking groups have different priorities, which affects the sorting of the warehouse shipments.
	Change Shipping Agents	Changes the shipping agent code/shipping agent service code assigned to the given warehouse shipment.
	Source No. Filter	Filters the list by source document number.
	Item No. Filter	Filters the list by item number.
	Apply Comment	Adds a remark to the warehouse shipment line on the sequence table.

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Menu	Action	Description
	Move One Position Higher / Move One Position Lower	Moves the selected line(s) up or down in priority.
	Reset	Resets the priority number of the selected line.
	Reorder	Organizes the order of the priority numbers if a gap exists in the sequence.
	Combine Whse. Shipments	Gives the opportunity to combine individual warehouse shipments into one target warehouse shipment (of course only if they can be combined). Combined source information will be listed in Source No. Information colomn on the page.
Mark and Move	Mark / Move Marked Before Selected / Move Marked After Selected	Moves marked lines before or after a specific warehouse shipment line.
Navigate	Open Whse. Shipment	Opens the warehouse shipment for the selected line.
	Statistics	Opens a statistics page where the filtered items are displayed in total.

Details

In sequence planning page it is possible to list the individual shipment lines of the selected line (warehouse shipment header). To be able to see the details the parameter "Show Details on Sequence Planning Page" (in COSMO Logistics Setup) should be activated.

Feedback

Submit feedback for this page .

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Outbound Tours

You can create an Outbound Tour for the transporting tasks. Several warehouse request lines can be assigned to one tour.

The outbound tour specifies how the goods and which goods will be sent to the customer, including details of the deliverer, etc.

A tour number can be assigned to the selected lines using the Assign tour function on the Logistics Whse. Outbound Request lines. A tour includes a tour date, a deliverer and a delivery method. This data is assigned to the selected rows. The tour number is transferred to the goods issue and the shipping units, and is used for scheduling.

Prerequisites

- No series

A number series must be defined for the numbering of the tours. The number series must have a starting number and it can be used when creating the logistics tour on the tour card. The number series for the Tour numbering must be defined in the Logistics Setup.

Logistics Tours

A tour is used to optimize the work in the warehouse by summarizing the shipment preparation based on certain criteria. This criteria can be defined on the Tour card itself.

The tour card consists of two parts: header and lines. On the card, only the header data is editable.

The tour card can be opened directly from menu or from the Logistics tour list page. On the tour list page it is possible to choose the create new tour as well.

The tour card header contains information about the shipping agent, the date of shipment and the type of shipment.

The tour number is assigned automatically based on the No. series selected at the tour creation.

The Tour type can be inbound or outbound, during creation it is *inbound* by default and must be changed manually (in case of outbound tours).

The status is new when creating and when it is finalized, it can be released. In this case, it is not possible to change data in the header and line fields, and cannot add new line.

The tour date defines when it has to be completed.

The tour card lines are updated from the warehouse request line table and cannot be changed manually, it is only possible to delete lines.

Tour Lines data is grouped according to Destination No. and Ship-to code. User can see one main line per Destination No. and Ship-to Code combination, and below the detailed information lines.

Main lines' type is group, and detail lines' type is line.

Process

The Outbound warehouse request line page function Assign Tour name allows us to create tour lines from Outbound warehouse request lines.

The Shipping agent information is synhronised between the request line and the Tour. It is not possible to assign a Tour to a line that has different shipping agent information.

When user selects the Assign Tour function, the Tour list opens, and user can select a Tour. The list contains only tours with *outbound* type and with status *New*.

After selecting the Tour number, it is added to the warehouse request line table in Tour field and the tour card can be opened.

If the marked line has Tour No. already, user should get error message:

The line is already assigned to the Tour no.

Deletion of Tours

When a tour is not actual anymore it is possible to delete it depending on certain conditions:

1. Status of the tour should not be Released or Finished
2. If the tour has lines it depends on the parameter "Deletion of Tours with Lines" within COSMO Logistics Setup

- When this parameter is activated the tour can be deleted and for all the source lines the tour will be removed (giving a warning first)
- When this parameter is de-activated the tour can only be deleted if the assigned tour lines will be deleted first. After no tour lines are attached to the tour, the header can be

deleted.

Finished Tours

The Finished tours can be found on the Logistics Finished Tours page.

The CCS LOG Tour Header (5292205) table and the CCS LOG Tour List (5292208, List) page have one filter:
Status (5) field is Finished.

You can see the inbound and outbound tours too.
This page has one function: Open tour card.

Warehouse User

The Warehouse User is an extension that allows employees in logistics areas to create and edit relevant documents with a personal user ID without having to log off and log on to the system each time. This extension enables a quick user change with consistent recording of which employee has worked on which logistics document.
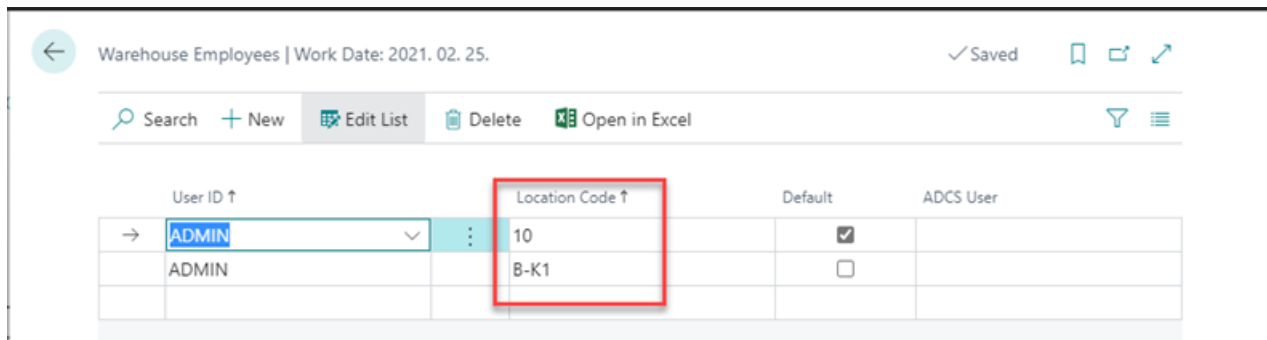
So that the warehouse user can perform logistics tasks, it must be set up in the system as a warehouse employee.

Prerequisites

- Warehouse employee setup

The user working in the warehouse must be set up as a warehouse employee in order to access the different locations. Certain functions in COSMO Logistics use the warehouse employee code to filter the locations set to the given user, thus reducing the amount of data that the user can have access to.

One user ID can be assigned to several warehouse users.

Logistics warehouse user list

- Code: any code can be defined for the warehouse users, no restrictions on using letters or numbers
- User ID: one main user ID (defined as warehouse employee) can be assigned to several warehouse users
- Name: free text, any name can be added
- Pick type: Specifies how the logistics user works. The options are:
- Filter Pick Group Code: If a pick group code defined for the user, the user only can handle the picks which are in that given group
- Max. No. Ord. Lines Pick (AS): Define the maximum amount of order lines which could be picked at the same time

- Max. Weight to Pick (AS): Define the maximum weight which could be picked at the same time
- Show All Shipments: Is all shipments visible for the user or not (Excluding or including completely picked lines)
- Allow Modifications on Pool Page: Is the user able or not to make changes in the Pool page

Locations list

- Location Code: Define in which location the user can work
- Loading Bin Code: Define which loading bin is linked to the user
- Create Pick: If this is activated, when the user creates pick documents the user will be assigned to the pick
- Active: Is the line activated or not

Warehouse Pick - The warehouse user works directly with picking.

Pick Terminal - The warehouse user uses the Picking Terminal to process the pickings.

- Suppress dialogs Hides the dialogs / windows, e.g. *A picking was created.*
- Locations and bins: each location can have a loading bin code defined, this will be the area where the shipment is prepared. The user can have access to those locations and bin areas which are marked active.

- Logistics Setup

If the Warehouse User Necessary checkbox is active, a warehouse user is required to process the pickings.

Logistics Setup

✓ Saved

General

Type Whs. Whpt. Avail...	Partial Quantity
Priority No. Default Va...	999999999

Warehouse User Nece...

Numbering

Tour Nos · TOURS

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Create Pick

By the Create pick step, the Whs. Shipment – Create Pick window is opened. The user can select one code from the warehouse user list for the Warehouse user ID field.

If the Warehouse user necessary is YES on the Logistics setup page, the selection of the warehouse user ID is required by the Create pick step. If left blank, the error message: *Warehouse user id is necessary.* pops up.

Warehouse Activities
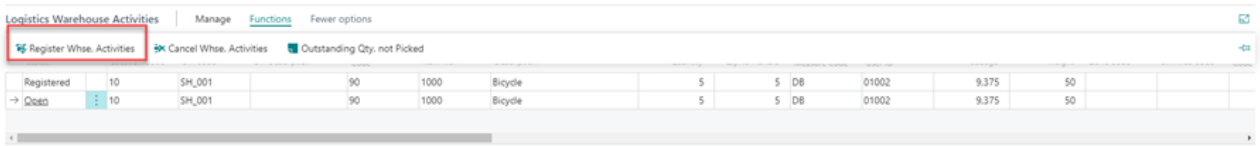
If the warehouse activities are created, the warehouse user information is saved.

Selected warehouse user id is saved in the different fields on the Logistics Warehouse Activities line and standard warehouse activities line.

If any of the data on the warehouse activities is changed, it must be changed on the lines at the same time. E.g. the quantity to handle is changed on the Log. whse. activities, then the same qty should appear on the lines in the same field.

Registered Warehouse Activities

In order to register the picking, the warehouse activity must be registered first.

The registry is done under the Functions, by the Register Whse Activities. The warehouse user ID appears also on these lines, the field is not editable.

If the quantity to handle is less than the quantity to be shipped, the remaining quantity to be handled can be assigned to another warehouse user.

The assigned warehouse user ID is saved on the standard registered warehouse activities line.

Tour

The warehouse user can also be assigned to the Tour header on the Tour card.

Assigned warehouse user will be responsible for the tour handling.
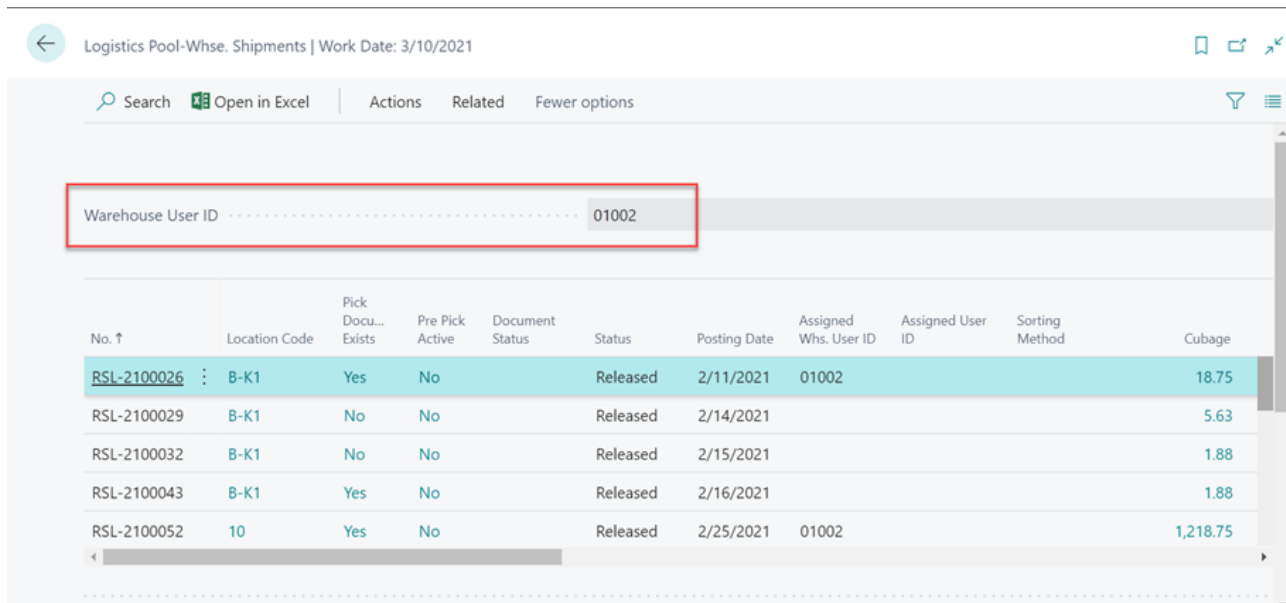
Logistics Pool-Warehouse Shipments

The Logistics Pool-Whse. Shipments page is another possibility to see the warehouse shipments and manage the warehouse pickings. It consists of two sections: header and lines. The header shows the warehouse shipment headers to be processed; the line shows the respective lines of the warehouse shipment selected in the upper view.

By default, the page shows all released warehouse shipments, so that the warehouse staff can directly see which goods are still to be processed and in which order. But the behaviour of the page can be configured on warehouse user level, for example to show all warehouse shipments to a specific user even if these shipments are not assigned to that user. In that way a warehouse administrator can user the pool whse. shipment page as well.


Details

By default the pool shipment page will list the details of the selected line, but it is possible to de-activate this (for example in order to have more space on the pool shipment page for listing all the warehouse shipments). To de-activate the details, the parameter "Show Details on Pool Shipment Page" (which can be found in COSMO Logistics Setup) should be turned off.)

Prerequisites

A warehouse user ID must be created in advance and when the page is opened for the first time the correct warehouse user ID needs to get set first. After logging in the signed in warehouse user is shown in the top of the page and the related warehouse shipments are

listed as well.

Depending on the configuration in the Logistics Warehouse User List page, it is possible to set the behavior of the page for the signed in warehouse user.
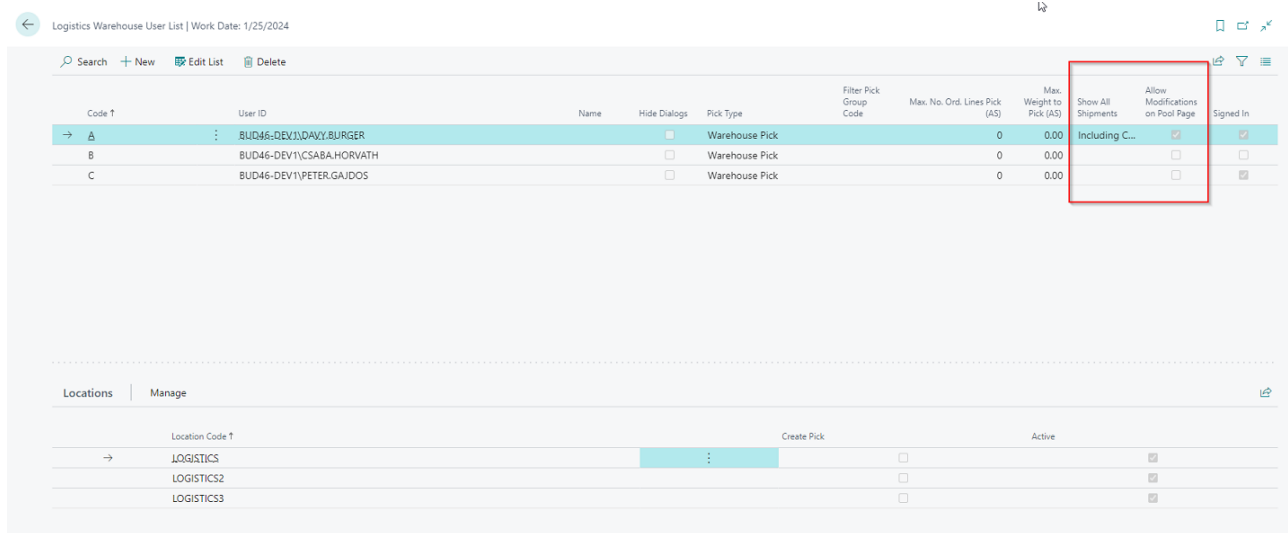
The relevant fields on the Logistics Warehouse User List page are described in the following table.

Field	Description
Show All Shipments	By default, the Logistics Pool-Whse. Shipments page shows released warehouse shipment that are currently assigned to the signed-in warehouse user or not assigned at all. With this option it is possible to show additional shipments. The options are:
	- *Empty*: default behavior.
	- *Excluding Completely Picked*: This will show all warehouse shipments, including the ones assigned to other users, but it will not show the already completely picked ones. This setting can be used for a teamm leader who need to be able to see the outstanding activities of the team.
	- *Including Completely Picked*: This will show all warehouse shipments, including the ones assigned to other users AND also the already completely picked ones. This setting can be used by a warehouse manager to keep track of all the outstanding warehouse shipments from the pool whse. shipment page.
	NOTE: When showing all shipments, this is always related to the active locations defined for the warehouse user.

Field	Description
Allow Modifications on Pool Page	If this checkbox is selected, it is possible for the user to edit the Assigned Warehouse User ID and Pick Group Code fields directly from the Logistics Pool-Whse. Shipment page (without first opening the warehouse shipments one-by-one).

Feedback

Submit feedback for this page .

Logistics Pool-Whse. Shipments Page

The page has two parts: a header and the lines. The header shows the list of released warehouse shipments and the lines show the details of the warehouse shipment selected on the header.

The following list describes the most important columns of the header data:

- No: warehouse shipment document number
- Pick document exists: if yes, the picking document is already created. Clicking on the *yes* the Logistics warehouse activities list opens.
- Pre-pick active: if yes, the pre-picking function is used (e.g., if the goods need to be repacked before the shipment, a packaging area can be used). Clicking on the value the Logistics warehouse activities list opens.
- Assigned warehouse user ID: blank if no user ID is assigned, else it contains the warehouse user code assigned to the given warehouse shipment. The list is filtered by the warehouse user logged in the function.
- Comment: if one or several comment lines are added to the Warehouse Shipment, the most recent one is always added to the header data

Clicking on the Pick qty on the lines opens the Warehouse pick lines list:

Functions

- **Sign out warehouse user**

The function is used for signing in and out with the warehouse user. You can choose from the user list or enter the code manually:
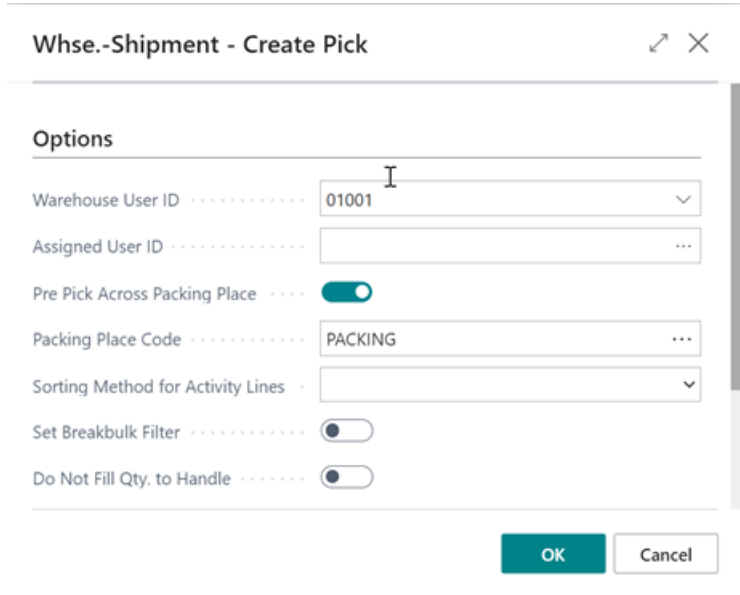
- **Create pick**

It is possible to create a pre-pick or a picking document with the function the following way:

Choosing the warehouse user ID it will be assigned to the warehouse shipment and to the picking document as well.

If the Pre pick Across Packing Place is set to yes, then a pre pick will be created for the location defined in the Packing place code field.

- **Create Whse. Shipment and Pick**

The function opens the Logistics Outbound Request lines from where you can choose a source document and create a Warehouse shipment and a picking document. If you choose a document with a location code that is not linked to the warehouse user id, it gives an error message: *You are not allowed to use location code B-K1.*

Edit - Logistics Outb. Whse. Req. Lines

Due Date	Promised Shipment Date	Source Document No. ↑	Source Document Line No. ↑	Source Doc. Type ↑	Source Docu... Status	Whse. Document No.	Item No.	Descri
3/8/2021		ERE-2100001	30000	Sales	Released		1000	Bicy
2/8/2021		ERE-2100002	10000	Sales	Released		70000	Old
→ 2/26/2021		ERE-2100002	20000	Sales	Released		70001	Ala
3/8/2021		ERE-2100003	10000	Sales	Released		1000	Bici
3/8/2021		ERE-2100005	10000	Sales	Released		70001	Ala
3/8/2021	4/10/2021	ERE-2100006	10000	Sales	Released		70000	Old

Summary

Close

The warehouse shipment card opens when it's created and by the release function, it will be added to the Logistics Pool-Whse shipments list.

- **Outstanding Qty. not Picked**

The function deletes the outstanding quantity on the warehouse shipment and on the picking document as well. You have to define a reason for the reduction of the quantity:

Logistics Whse. Processing Notes

Code ↑	Description
→ NOTE001	Stock deficit
NOTE002	Quantity problem
NOTE003	Transport capacity

OK　　Cancel

The reason codes must be defined in the Logistics Whse. Processing Notes function.

- **Source No. and Item No Filter**

The list can be filtered by source document number and item number as well.

- **Create Warehouse Pick (Auto selection)**

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The system can generate a warehouse pick according to a warehouse user's setup and pick section number. On the warehouse user page, you can enter the maximum order line no. and weight for the warehouse user in the Max. No. Ord. Lines Pick (AS) and Max. Weight to Pick (AS) fields. These values are limits for the Create Warehouse Pick function. Other important data for this function is the pick section. On the Logistics Pick Section page, you can enter the code and description of the pick sections. The function is checking the pick section. One warehouse pick is one pick section. If we have 5 pick sections, the system creates 5 warehouse picks at a time and then you can start running the function again, to create another 5 warehouse picks. You check the generated warehouse activities and the assigned warehouse user on the Logistics Pool – Warehouse shipments page.

Navigate

- Card

The function opens the Warehouse shipment card.

- Statistics

The function shows the statistics for all the lines on the Logistics pool-whse shipment list.

Pick terminal

The function opens a summarized version of the Logistics warehouse activities page:

This function can only be accessed from the Pool whse shipments page and the functions available are the same as on the Warehouse activities page accessible from the main menu. These functions are related to the picking activity:

- Register or delete the pick
- Register or cancel the warehouse activity: the line status changes (open/registered)

- Delete the remaining quantity not picked

Warehouse activities

This function opens the Warehouse activities page accessible from the main menu:

The line-level functions available on this page are:

- Register or cancel warehouse activities: change line status (open/registered)
- Delete the outstanding quantity
- Split the warehouse activities

- **Pre pick**

The function opens the pre pick page if exists. The pre pick can be registered or cancelled here.

- **Registered pick lines**

This function shows the registered picks if it was done partially.

The pick lines can be registered in 2 ways: using the Pick Terminal function or the Warehouse activities. If any or all of the lines are registered, the pick document can be registered as well in the same functions. The Registered pick lines shows the registered pick documents content:

■ **Posted Whse. Shipments**

If the warehouse shipment was partially done, the posted shipment can be accessed from this function.

Warehouse Activities

The warehouse activities page is part of the Warehouse pick and Warehouse put-away pages. It consolidates the standard warehouse activity "take" and "place lines into one line. The basic setup for this function can be found on the Location card's Warehouse section: *"Create Warehouse Activity Lines"*.

Each warehouse activity line can be registered individually and this makes it possible to see which warehouse activities of a picking or put-away are already completed. During registration, the movement quantity can already be transferred to the target storage bin.

If there is a remaining quantity when registering a storage activity, a new *open* storage activity is created for it. When a storage activity is cancelled, a transfer to the original storage bin takes place and the storage activity is set to the status open again.

Warehouse Activities Page

The standard warehouse activities page includes the Logistics Warehouse Activities FastTab.

With this FastTab, information comes from the warehouse shipment line and the warehouse activities line.

Two standard warehouse activity lines connect to one Logistics warehouse activity line on the FastTab.

This FastTab has two bin code fields: Bin Code and Target Bin Code. The Bin Code appears on the standard *Take* lines, the Target Bin Code appears on the *Place* lines.
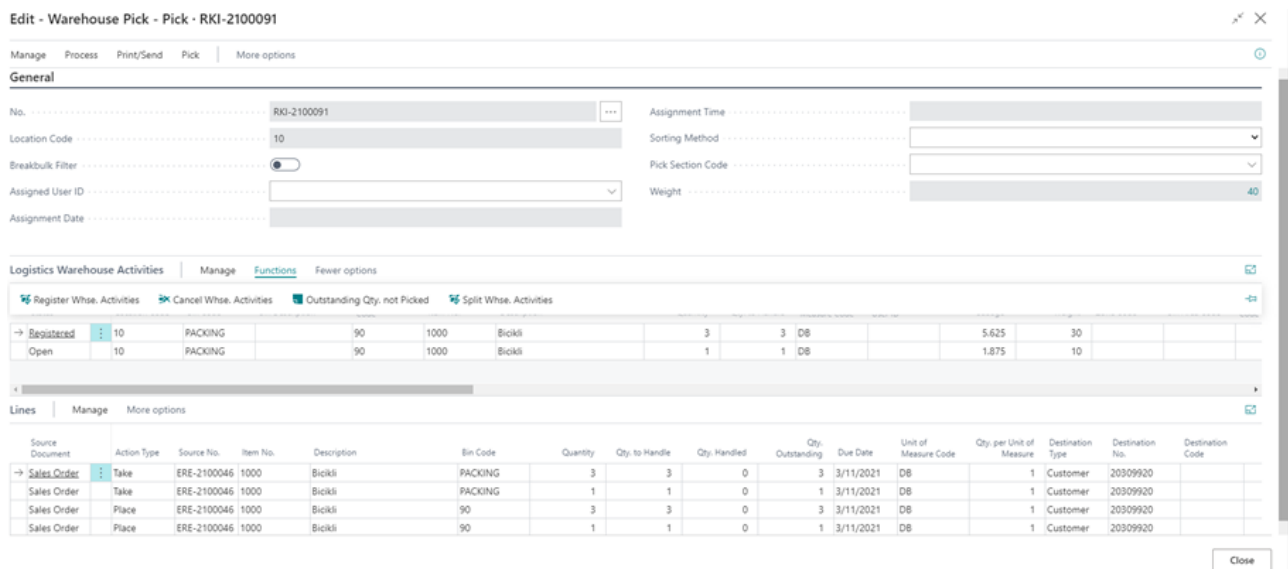
The line in the FastTab has a Status field, which is modified with Register Whse. Activities and Cancel Whse. Activities actions.

The Status field has three values:

- Via the Create step, the Status is *Open* if the warehouse activities task has no pre-picking activities.
- Via the Register step, the Status is *Registered*.
- Via the Create step, the Status is *Waiting** if the warehouse activities task has pre-picking activities too.

The Cubage and Total Net Weight fields are calculated according to the Qty. to Handle.

Some fields are editable on the standard and logistics warehouse activities line: bin codes, target bin code, qty. to handle, total net weight.

The SSCC number can also be added or changed manually on the line. The drop-down list

shows the SSCC numbers that belong to the same Warehouse Shipment as the Warehouse activity line itself.

By the modification, the update is automatically between two lines parts.

Actions

The actions on the Logisitics Warehouse Activities FastTab are described in the following table.

Menu	Action	Description
Manage	Delete Line	Deletes the selected line, which has Open or Waiting status.
Functions	Register Whse. Activities	Changes only the status of the line, is not the same as the standard register step. After using this function, the status of the whs. activity lines will be set to *Registered*. The status of the line must be *Open* and the Qty. to Handle field must not be zero. If the Qty. to Handle value is not equal to the Quantity value, a new line will be generated for the remaining outstanding quantity.
	Cancel Whse. Activities	Changes the *Registered* status to *Open*. Split line is not deleted and the Qty. to Handle will be zero.
	Delete Whse. Activity Line with Note	When using this function, it is possible to delete a warehouse activity line with leaving a notification, which will be visible on the outbound warehouse request lines page.
	Split Whse. Activities	Splits the selected warehouse activities line. This method is same as the Split function in the standard warehouse activities line.

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Menu	Action	Description
	Combine Whse. Activities	Similar as splitting it is possible to combine the selected warehouse activity lines, but obviously only when specific fields of the selected lines are similar. The following fields need to be similar: - Type - Source Type - Source Subtype - Source No. - Source Line No. - Location Code - Bin Code - Target Bin Code - Item No. - Variant Code - Unit of Measure Code - Serial No. - Lot No. - Package No.
	Create Shipping Unit	With this function it is possible to create a new shipping unit and link it to the line.
	Complete Shipping Unit	With this function it is possible to complete the shipping unit directly from the line.
	Assign Whse. User to lines	With this function it is possible to assign a specific warehouse user to one or more selected lines.

Using these functions affect the standard Warehouse Activities line.

The standard functions remain on the Warehouse activities page, users can use both standard and new functions.

Feedback

Submit feedback for this page .

Testing Scenario Proposal

- Create and register pick

- Create the warehouse activities lines with the standard method

- Select the Register whse. activities function on the line

- Select the Register Pick function on the header

Warehouse Activities Terminal

This page gives information about the picking activities. User can handle the pickings with some functions.

Warehouse Activities Terminal page

You can access the Logistics Whse. Activities Terminal page from the Logistics Pool-Whse. Shipment page with Pick terminal function.

If the marked warehouse shipment has more whs. activities, at first, the connected warehouse activities' list is opened, and you can select one warehouse activities. You can use the card function and marked warehouse activities are opened via warehouse activities terminal.

This page has four parts:

- Header part for the warehouse activities
- Line part for the warehouse activities
- Bin Contents FactBox
- Item Details – Warehouse FactBox

Fields

The fields in the header are described in the following table. None of these fields are editable.

Field	Description
No.	Indicates the number of the warehouse activities.
Ship-to Address	Indicates the Ship-to information of the warehouse activities.
Warehouse User ID	Indicates the selected warehouse user for the warehouse activities.

Field	Description
Partial Pick	Indicates if the activity is partially picked.
Net weight	Indicates the sum net weight of the lines according to the Qty. to Handle value.

In the lines, the following fields fields are editable:

- Qty. to Handle
- Total net weight
- Bin Code
- Target Bin Code

Actions

The actions on the Logistics Whse. Activities Terminal page are described in the following table.

Menu	Action	Description
Actions	Delete Pick	Deletes the warehouse activities line, which has status open or waiting.
	Register Pick	Registers the picking. This is only possible after the individual picking lines have been registered. This function is equal with the standard register process.
	Statistics	Opens the Statistics card. This card shows line and weight information of the warehouse activities.
	Register Whse. Activities	This is not equal with the standard registered step. This function can change only the status of the line. After using this function, the status of the whs. activity lines will be set to *Registered*. The status of the line must be *Open* and the Qty. to Handle field must not be zero. If the Qty. to Handle value is not equal to the Quantity value, a new line will be generated with the Outstanding quantity after this function is run.
	Cancel Whse. Activities	Changes the *Registered* status to *Open*. Split line is not deleted and the Qty. to Handle will be zero.

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Menu	Action	Description
	Outstanding Qty. not Picked	Deletes the outstanding quantity on the warehouse shipment and on the picking document as well. The user has to define a reason for the reduction of the quantity. The reason codes must be selected on the Logistics Whse. Processing Notes list.
	Print	Prints the standard picking list for the warehouse activities.
Related	List	Shows the overview of the warehouse activities. Warehouse Activity List page is opened with the Location code filters. Location code filters is according to the Warehouse employee's location setup.
	Comments	Opens the standard Warehouse Comment Sheet page that shows existing comments about the picking or new comments can be added.
	Registered Pick	Shows the connected registered pickings.

Feedback

Submit feedback for this page .

Testing Scenario Proposal

- Create and register pick

- Create the warehouse activities lines with the standard method

- Open the Warehouse activities terminal across the Pool-warehouse shipments page

- Select the Register whse. activities function

- Select the Register Pick function

#Cancel Warehouse Activities

Within Logistics it is possible to cancel registered pick lines. To do this there are two possibilities:

1. By using the Logistics Inventory Information List
2. By using the Cancel Whse. Activity on the Registered Warehouse Pick page

Inventory Information List

With the inventory information list it is possible to easily filter on the inventory based on location, bin, zone and item. After applying the needed filters simply use the Get Records function to see where which item is located.

From this page it is possible to cancel the already registered warehouse activity by selecting a specific line and choose action Cancel Whse. Activity from the menu. If there are registered lines available to cancel, page "Logistics Cancel Whse. Activities" will be opened (if not the user will get an error message).

Logistics Cancel Whse. Activities

No. ↑	Action Type	Source No.	Source Line No.	Item No.	Description	Location Code	Bin Code	New Bin Code	Quantity	Qty. to Cancel	Unit of Measure Code
P_000002	Place	101027	20000	1000	LOG Test item 1	LOGISTICS	SHIP	M1	2	2.00	PCS
P_000022	Place	101043	10000	1000	LOG Test item 1	LOGISTICS	SHIP	M1	2	0.00	PCS
P_000029	Place	101049	10000	1000	LOG Test item 1	LOGISTICS	SHIP	M1	2	2.00	PCS
P_000057	Place	101091	10000	1000	LOG Test item 1	LOGISTICS	SHIP	M1	0	0.00	PCS
P_000063	Place	101108	10000	1000	LOG Test item 1	LOGISTICS	SHIP	M1	0	0.00	PCS

The page will list all the (place) lines from registered warehouse picks. Basically it is possible here to reverse one or more registered pick lines by setting the Qty. to Cancel with the required quantity. This field can be filled in manually or by using the Autofill/Remove toggles from the menu. Once the quantities are set, just select the lines which need to get reversed and use the Cancel Whse. Activity function. The user will get an error message if the reversing is not possible anymore, for example when the picked items are already (partially) shipped.

N.B. Currently the cancel function only works for registered pick lines which are linked to a sales source document.

Cancel (lines from) Registered Pick

Instead of using the Inventory Information list to get an overview to all the lines which potentially can be reversed, it is also possible to reverse a complete (or selection of lines on a) registered pick document. For this simply open the specific Registered Pick, which needs to get reversed.

Source Document		Action Type	SSCC	Source No.	Due Date	Item No.	Description	Quantity	Unit of Measure Code	Warehouse User ID
→ Sales Order	⋮	Take	342601374500000940	101105	4/8/2024	1000	LOG Test item 1	1	PCS	
Sales Order		Place	342601374500000940	101105	4/8/2024	1000	LOG Test item 1	1	PCS	
Sales Order		Take	342601374500000940	101106	4/8/2024	1001	LOG Test item 2	1	PCS	
Sales Order		Place	342601374500000940	101106	4/8/2024	1001	LOG Test item 2	1	PCS	

Select the lines to reverse and simply hit the Cancel Whse. Activity function to completely reverse the selected lines. When the reverse is completed the line quantity will be set back to zero. N.B. If you only need to reverse a part of the registerd pick line quantity, use the Inventory Information List.

For canceling the system will use primarily the place lines, but if a take line is selected the system will automatically find the linked place line to reverse. If both the take and place lines are selected, of course the canceling is done only once.

N.B. Currently the cancel function only works for registered pick lines which are linked to a sales source document.

Logistics Pre Picking

This function is used to decouple pick and pack operations, e.g. processing by different employees. If a picking is created with the option Pre Pick across Packing Place, two warehouse activities are created in the picking. The first warehouse activity represents the process of taking the goods out of the warehouse and bringing them to the Packing Place. The second warehouse activity represents the process of packing the goods in the Packing Place and the assembly of the packed goods in the Target bin. For example, you can mark several goods issues in the pool – whs. shipment and create a picking with pre-picking for this purpose. In this case the page Warehouse activities open first. This page contains all lines for pre-picking the selected warehouse shipment. This page can also be called up from the pool – whs. shipment via the function Pre-picking.

In the pool – whs. shipment can be seen via the Pre pick active for whs. shipment as soon as the complete goods are ready for packing. As soon as the warehouse activities have been registered for pre-picking, the checkbox in the Pre pick active column is no longer active in the Pool – Whs. shipment. This means that there is no open pre-picking for picking, so that the next step is to continue with picking.

The second warehouse activity (packing the items in the picking) cannot take place before the first (pre-picking) has been carried out. For this reason, it receives the status Waiting until the previous warehouse activity has been registered. In Waiting status, it is not possible to register this warehouse activity. As soon as the picking activity is registered, the status of the follow-up activity in picking automatically changes from Waiting to Open. Furthermore, the goods (depending on the setup in the Logistics Setup) are already transferred to the picking bin.

Prerequisites

Two setup fields are found on the Location Card by the Shipment process part for the Pre picking process.

Field	Description
Pre Pick	Pre pick function is available on the location
Packing Place	User can select one bin for the pre pick activities

There is a setup field on the logistics setup page with Warehouse Journal Template (Pre Picking) name. It is necessary for registering/canceling pre pick line in the system.

Create Pre Picking

User can create pre pick by the standard create pick step. Create pick page is opened and user will see two fields for the pre picking. These fields are filled according to the setup on the location card. If on the location setup the field "Enable Packing Place Code on Warehouse Shipment" is set to YES, the location which will be shown is retrieved from the warehouse shipment header, field Package Place Bin Code, which can be updated before creating the pick document.

In the Create Pick request page it is still possible to make changes to the pre-pick fields.

If the Pre Pick Across Packing Place field is *YES*, the pre pick will be generated.

Packing Place Code is the marked bin for the pre picking activities.

Whse.-Shipment - Create Pick   ⤢ ✕

Use default values from · · · · · · · · · · | Last used options and filters ⌄ |

Options

Warehouse User ID · · · · · · · · · · · | ⌄ |

Assigned User ID · · · · · · · · · · · · | ··· |

Pre Pick Across Packing Place · · · · ·   ⬤○

Packing Place Code · · · · · · · · · · · | DOCK2   ··· |

Sorting Method for Activity Lines · · | ⌄ |

Set Breakbulk Filter · · · · · · · · · ·   ○

Do Not Fill Qty. to Handle · · · · · · ·   ○

Print Document · · · · · · · · · · · · · ·   ○

[OK]   [Cancel]

If the Pre Pick across Packing Place is *YES*, the status of the created warehouse activity will be Waiting.

Logistics Pre Pick Page

User can see Pre Pick Active field on the pool-whs. shipment page by the whs. shipment header part.

Pre picking page is achieved with the Pre Pick function across the Navigate group of the pool-whs. shipment page.

Pre picking page has two parts:

- Whs. activity part with the connected pre picking lines
- Bin content page with the Location code, Item No., Unit of Measure Code filters.

Functions

Page has two functions: Register Line and Cancel Line.

After the register line function, the warehouse entries are generated for the pre picking activities.

After the registration of the Pre pick, the Pre pick active field's value changes to NO and the status of the connected warehouse activity will change to Open.

Pre pick active field is available on the warehouse shipment page too.

On the warehouse activities page, the standard delete function was modified. The system checks, that the pre picking exists for the warehouse activities line.

If the pre picking is not register, the system deletes the warehouse activities line and the connected pre picking lines.

If the pre picking is register, the user gets the warning message by the delete function.

For this Pick exist registered Pre Pick Activities. The inventory will remain on the Pick Place. Do you want to continue?

YES NO

By the YES answer, the inventory will remain on the Pick Place. The registered pre pick lines will be not deleted.

Testing Scenario Proposal

- Check prerequisites

- Pre Pick and Packing Place fields on the Location card

- Warehouse Journal Template (Pre Picking) on the logistics setup page

- Source document and warehouse shipment exist

- Create and register pre picking

- Select the create pick function

- Select the pool-warehouse shipment page and Pre pick function

- Select the Register Line function

Warehouse Bundles

A bundle over several Lot Nos./ Trading Units/ partial stocks in one load carrier. Currently it can only be used at the pre-picking step.

The *Warehouse bundles* are stored in a separate Table and Page. You can create a *Warehouse Bundle* and assign it in the Pre-Pick process. The system stores the Warehouse Bundle No. in the Warehouse Entries.

Prerequisites

There are two setup fields in the CCS LOG Logistics Setup (5292225) table and on the CCS LOG Logistics Setup (5292204, Card) page

- at the *Numbering* section: Bundle No.
- at the *General* section: Whse. Bundle Specific Tracking

Bundle No. - Number series can be stored for collective containers/bundles.

Whse. Bundle Specific Tracking – If this field is YES, by the pre picking step, the whse. Bundle value is mandatory.

Whse. Bundles page

The overview of the collection containers serves as information. You can find here the packaging article that the composite container was packed in, and the storage location where it is stored.

You can create a warehouse bundle on the *Whse. Bundles* page.

No. ↑	Packing Item No.	Packing Item Description	Location Code	Created by Whse. User ID	Created at Date
BUNDLE00001	C00004	Packing item 001	10	01001	8/26/2021
BUNDLE00002	C00004	Packing item 001	10	01001	8/26/2021
BUNDLE00003	C00005	Packing item 002	10	01001	8/26/2021
BUNDLE00004	C00005	Packing item 002	10	01001	8/26/2021

No.: According to Whse. Bundles No. Series

Packing Item No.: you should select a Packing unit

Packing Item Description: According to Packing Item No.

Location Code: you should select a Location code

Created by Whse. User ID: filled out automatically

Created at Date: filled out automatically

Process

The first step is to create the warehouse bundles.

There are two fields in the CCS LOG Whse. Activity (5292215) table: *Whse. Bundle* and *New Whse. Bundle No.*. You can find and fill out these field only on the CCS LOG Pre Picking (5292228, List) page.

These fields are linked to the *Logistics Warehouse Bundles*, so you can select the bundle from a list.

After registering the pre-pick, these fields are not editable.

The *Warehouse Bundle No.* and *New Warehouse Bundle No.* fields can be found on the pick terminal page. (CCS LOG Whse. Act. Terminal (5292229, List))

These fields contain the warehouse bundle number, which can be set during the pre-picking process.

The *Whse. Bundle No.* and *New Whse. Bundle No.* fields are saved in the Warehouse journal line (7311) table. These fields are not editable on this page.

The *Whse. Bundle No.* field is also saved in the Warehouse entry (7312) table. The field is not editable on this page.

Testing scenario proposal

- Check prerequisites
- Create whse. Bundles on the whse. Bundles page
- Create sales order and warehouse shipment
- Create whse. Pick with pre pick option
- Open pre pick line via Pool-whse shipment page
- Select whse Bundles for pre pick
- Register pre pick
- Open pick terminal
- Register pick
- Post whse. Shipment
- The warehouse Entries contain the warehouse bundles values

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Picking Strategy

The picking strategy helps to find the most appropriate bin from where the items can be picked. The system checks the location setup fields during the picking process and will recommend the bins according to picking strategy.

It is possible to handle the default bin, to check the quantity in the bins and the system will find the same quantity or the minimum bin content.

Prerequisites

The setup fields can be found on the location card at the Shipment process section: **"Pick strategy"** option and **"Default bin has priority"** boolean field.

The pick strategy's options are:

- Empty
- Same or Higher Bin Content
- Minimum Bin content

Functions

The system will check the setup fields at the generation of the warehouse activity.

The picking strategy's steps are:

1. The most important setup is the inventory principle FIFO and FEFO – standard part
2. System has to check the Blocking option of Bins – standard and cc logistics part

Bin (7354) table CCS LOG Blocked for warehouse Pick (5292200) and CCS LOG Blocked for Prod. Pick (5292201), and the Bin Content (7302) table/ Block Movement (12) field is All or Outbound.

3. Pick strategy field's value

Process

To show the process here is an example to follow:

Item inventory:

Posting Date	Entry Type	Document No.	Item No.	Description	Location Code	Bin Code	Quantity	Unit of Measure Co
5/12/2021	Positive Adj...	CNA-2000007	001_PICK STRA	001_item	11	010102	900	KG
5/12/2021	Positive Adj...	CNÁ-2000007	001_PICK STRA	001_item	11	010103	800	KG
5/12/2021	Positive Adj...	CNÁ-2000007	001_PICK STRA	001_item	11	010104	500	KG
5/12/2021	Positive Adj...	CNÁ-2000007	001_PICK STRA	001_item	11	010105	50	KG
5/12/2021	Positive Adj...	CNÁ-2000007	001_PICK STRA	001_item	11	010106	30	KG
5/12/2021	Positive Adj...	CNÁ-2000007	001_PICK STRA	001_item	11	010107	20	KG

We have a warehouse shipment with 50 kg quantity and we want to generate the warehouse pick.

- If the Pick strategy's option is Same or Higher Bin Content, the system will select the 010105 Bin.

- If the Pick strategy's option is Same or Higher Bin Content and the 010103 is default bin, the system will select the 010103 Bin.
- If the Pick strategy's option is Minimum Bin content, the system will select the 010107 and 010106 Bins.
- If the Pick strategy's option is Minimum Bin content, and the 010104 is default bin, the system will select the 010104 Bin.
- If the Pick strategy's option is Same or Higher Bin Content and the 010107 is default bin, the system will select the 010105 Bin.

Testing Scenario Proposal

- Check prerequisites

Picking strategy fields on the location card

- Create Warehouse Pick

Shipping Units

Shipping unit is an element inserted by Cosmo logistics, it extends the goods issue process. During picking, shipping units are assigned to the warehouse activities. These shipping units represent a packaging item (e.g. pallet, package, etc.) and the goods assigned to the packaging item. The corresponding data is generated during the picking process.

Prerequisites

SSCC setup fields on the location card

- GLN number is generated according to GLN Base No. + GLN Privat Generation + GLN Check Digit
- GLN Base No. is between 7-10 character
- GLN Privat Generation is between 2-5 character
- GLN Check Digit is 1 character
- GLN has to be 13 characters.

SSCC Generation

- SSCC Reserve Digit is 1 character
- GLN Base No. is between 7-10 character

- Shipping Unit Nos. is between 6-9 character

- Calculated Check Digit is 1 character

- SSCC has to be 18 characters.

The shipping unit number (SSCC) is based on the GS1-128 standard (formerly "EAN128") and is a communication protocol in logistics. The SSCC represents a shipping unit and is unique worldwide. A Global Location Number (GLN) is required to generate it. It contains the complete company name and address. The GLN has 13 positions and is composed as follows:

- GLN type - Indicates the GLN type. The options are:
  - Empty
  - 1 - GLN type 1 is awarded to companies without further locations. This means that you only get a unique location number.
  - 2 - GLN type 2 contains additional location numbers so that other parts of the company can be clearly integrated.
- GLN Base No. - Indicates the basic number of the SSCC.
- GLN Privat Generation - Specifies the specially generated positions in the GLN.
- GLN Check Digit - Specifies the check digit at the end of the GLN.
- GLN - Specifies the representation of the SSCC derived from the GLN base number, GLN Privat Generation, and GLN check digit.
- Shipping Unit Nos. - The number series for the variable part of the SSCC is specified here, so that the system knows in which number range it is allowed to generate SSCC.
- Shipping Unit Mandatory - If the check box is activated, an SSCC is required for picking.

Shipping Unit List

You can find the SSCC number, Status of the Shipping Unit, Packing Item Description, Customer's name and code on the Shipping unit tiles.

- There are 3 standard functions that can be used:

    - View - Open SSCC card
    - Edit - Open SSCC card with edit mode
    - Delete - Delete the SSCC card. You can delete it only with status "Open"
- Sum part with *Total Weight* and *No* information

    - Total weight = sum of the Gross Weight of the Shipping Unit
    - No of. = Number of the Shipping Unit

Shipping Unit card

The Shipping Unit Card has two parts: header and lines. The header has three parts: *General*, *Delivery*, *History*. The *General* part contains the SSCC data.

On the *Delivery* part you can see the delivery information from the connected source document, warehouse shipment and warehouse activity.

The *History* part is not editable, the system will fill it out with the warehouse process steps.

If the *Weight Measured* field is YES, the Net weight, Gross weight and Tare weight fields are editable, so that you can enter the measured value.

If the *Length/ Width Measured* field is YES, the Length and Width fields are editable. If the *Height Measured* field is YES, the Height field is editable.

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The status indicates the current status of the shipping unit. The options are:

- Open - The shipping unit has been created but is not yet fully packed.
- Completed - The shipping unit has been closed, but the related documents have not yet been posted.
- Posted - The shipping unit is completed, and the corresponding documents have been posted by the system.
- Canceled - The shipping unit has been deleted. The items are released for picking again.
- In Transport order - Shows that the Shipping Unit is already in the Transport order.

Modifications of shipping unit's status:

- Open -> Completed /Complete shipping unit function or manual/
- Completed -> Open /Manual/
- Completed -> Posted /Post of Whse. shipment/
- Posted -> Canceled /Delete function on the shipping unit/
- Posted -> In transport order /Manual/

Shipping Unit process

The first step is to mark the the warehouse activity lines for which you want to create the shipping unit in the Warehouse pick. You need to use the *Create Shipping Unit* function on the Warehouse activitiy line in order to open the page *Logistics Create Shipping Unit*.

You can enter some data (packing item nbr, length, width measured etc.), and this data is saved on the Shipping Unit header. The Shipping Unit lines will contain the selected Warehouse Activity lines. The status of the created Shipping Unit is open.

The *Packing Item No.* must have value. The shipping unit may only be assigned to one warehouse shipment. You can only select lines with **open** status for the Shipping unit creation.

The *Number of Packing* defines how many shipping units should be created. The 1st will be assigned to the marked lines, the rest will be empty and may be assigned to other lines.

By using the *Create Shipping Unit* function, the *Create shipping unit* window is opened and the Shipping Unit is created with Open status and SSCC field is filled out on the line.

You can define the number of copies of SSCC labels that you want to print, in the *No. of copies* field.

The *Packing Comment* is copied from the *Packing Standard* page.

The SSCC number is generated according to the SSCC setup fields of the location card.

Link/delete Shipping Units to/from Warehouse activities

You can use the *Complete Shipping Unit* function on the registered Warehouse Activity lines. By this function, the SSCC label is printed automatically and the shipping unit's status will be Completed.

If you selected one open Shipping Unit on the open Warehouse Activity line, the whse. Activity line will be one line of the selected Shipping Unit.

Only those Shipping Units can be selected that belong to a Warehouse Activity Line with status *Open*.

One shipping unit can connect to one warehouse shipment. One warehouse activity line can connect to one shipping unit.

The shipping unit with *Completed* status can not be deleted. Completed shipping unit's lines are not editable.

By deleting the last shipping unit line, the system deletes the shipping unit header too.

If you delete the SSCC number from the Warehouse Activity line, the connection is deleted between the shipping unit and Warehouse Activity line. The Warehouse Activity line will be not part of the shipping unit.

You can modify the SSCC number on the open Warehouse Activity lines. The connection will be created between the selected shipping unit and Warehouse Activity line.

The Warehouse Activity line with a connected shipping unit can not be deleted. At first, you have to delete the SSCC number from the Warehouse Activity line.

If you want to use the Cancel Whse. Activity function on the registered Warehouse Activity line with a completed Shipping unit, you will get an error message. In this case, you have to change the status of the shipping unit.

If the Warehouse Activity line has a Shipping unit, the Split Warehouse Activity function doesn't work.

Open Shipping Units function

You can find this function on the warehouse shipment by the Navigate group and on the warehouse activity page. You can open the connected Shipping Unit with this function. Select Shipping Unit window is opened and you can see the SSCC number, Status of the Shipping Unit, Shipping Status, SSCC dimension, Gross Weight and Net Weight.

Functions

Functions on the Shipping Units list

- Source No. filter

You can search the Source No. on the Shipping Unit cards. By this function, the system shows the list of the Shipping Units with the entered Source No.

- Item No filter

You can search the Item No. on the Shipping Unit cards. By this function, the system shows

the list of the Shipping Unit with the entered Item No.

- Print label

The SSCC label is printed. Label Printed field will be YES on the Shipping Unit after the printing.

- Set loading date

You can fill out the Loading date of the marked Shipping Unit. By this function, the system fills out the Loading Date field on the Shipping Unit card. It is possible to mark several shipping units at the same time.

Functions on the Shipping Card

- Print label

The SSCC label is printed. The *Label Printed* field will be YES on the Shipping Unit after the printing.

- Get Whse. Activities

You can select another warehouse activity line for the Shipping Unit.

Functions on the Pick Terminal

- Create SSCC

This function equals to the Create Shipping Unit.

- Close SSCC

This function equals to the Complete Shipping Unit.

- SSCC Card

This function equals to the Open Shipping Units function. It opens the connected Shipping Unit.

Tsting scenario proposal

- Check prerequisites

SSCC setup on the location card

- Create and Post *Shipping Unit*

    - Enter the Shipping Unit Creation field on the warehouse activity line
    - Select the Create Shipping Unit function
    - Select the Register whse. Activities function
    - Select the Complete Shipping Unit
    - Select the Register Pick function
    - Select Post shipment
- Reult: The warehouse shipment is posted, and status of the connected shipping unit is posted.

SSCC Labels

You can print the SSCC label for the shipping units and according to the setup, various product data can be printed on the label. The sender and address information is placed next to the product data on the label. The *SSCC number* helps to recognize the shipping unit.

You can also generate a barcode for the *SSCC number* and the product data on the label, it helps the shipping unit's reception process.

Prerequisites

SSCC label setup

The SSCC label setup fields are found on the logistics setup page, section *SSCC label*.

- Value SSCC Label Field 5-9: it determines the fields of the SSCC label to be printed.
- Use Field 5-9 in Barcode: if the checkbox is activated, a composite barcode is created based on the selected Label Fields.

You have to define the caption and the value of each field that are *Used in Barcode* You can select from the following list to define the value of the fields:

- GLN: Location card table/GLN field
- Batch/Lot No.: Shipping Unit line table/ Lot No. field
- Packaging Date: Shipping Unit table/ Prepackaged at Date field
- Expiration Date: Shipping Unit line table/ Expiration Date field
- Product variant: Shipping Unit line table/ Variant code field
- Serial No.: Shipping Unit line table/ Serial No. fields

The SSCC GS1 code anf the Field 5-9 GS1 code should be defined according to the standard regulations of the AI code. AI code is the *Application Identifier*, it's a required part of the barcode.

Packing standard

You can assign the *Packing Unit* item on the item card by selecting the *Packing Unit Group Code* and the *Packing Item No.*. The *Packing Unit Group Codes* are defined on the Logistics Packing Unit Groups page, with a code and their description.

By clicking on the Quantity per Trading Unit and the Packing Item No. fields, user can open the Packing standard page. In this case, the Packing standard page has two filters: Item No. and Type = Packing Standard.

The *Packing unit group code* and *Packing Item No.* are saved on the Sales Line from the Item card, independently of the Packing standard definition. These fields are saved on the whs. request line, the proposal line and the whs. activity, but they are not editable on these pages, only on the sales line.

It is possible to define a packing standard for the item by each customer on the *Logistics Packing standard* page. You can select the item, customer, location for the packing standard, can enter ship-to code, starting and ending date.
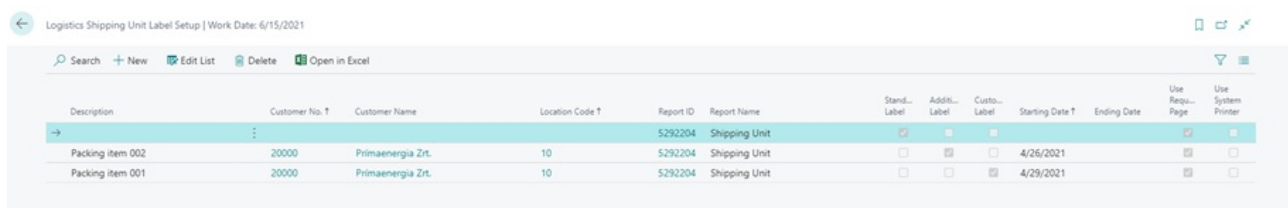
It's possible to enter a Packing comment and the maximal weight for the packing standard. This information will be only used at the Shipping Unit creation step, meaning that the information on the Sales Order, the Warehouse request line nad the related documents can be different from the real packaging used at the Shipping Unit creation.

Logistics Shipping Unit Label Setup

There is the possibility to handle more labels at the Print label function on the shipping unit. Labels can have three types:

- Standard
- Customer
- Additional

The Customer No. is necessary for the *customer* label type. The *Standard* label doesn't have Customer No. and Location code data. You can enter the Starting and Ending date for the report, and select the report ID. Using the request page option, standard print page is opened for one label printing. If you want to print three labels, three request pages will be opened.

Using the Print label function, one page is opened with different selection options. You can mark the label type to be printed: Standard, Customer, Additional or All. If the system finds more labels with the same type, the list of the found labels is opened and you can select the one to be printed from the Print label column.

SSCC label

An example for the SSCC label:

	Sender	Address
COSMO CONSULT	CRONUS Magyarország ZRt. Rétköz utca 5. Budapest 1118 HU	Prímaenergia Zrt. Vág utca 2. Budapest 1093 HU

SSCC
34260137450000117

GTIN
4260137450000

Batch /Lot No.	Serial No.
LOT10006	

Expiration Date	Product Variant
12/31/21	

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖
(00)34260137450000117

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖
(01)4260137450000(10)LOT10006(15)123121

- Field1_Logo: according to the Company Information
- Field2_Sender: according to the Company Information
- Field3_Addressee: according to the Shipping unit table Ship-to fields. Ship-to Name, Ship-to Address, Ship-to Post Code, Ship-to City, Ship-to Country/region Code.
- Field4_SSCC: according to the SSCC label setup on the location card
- Field 5-9: according to the logistics setup
- Field 10-11: Barcodes

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Two barcodes are needed on the label:

1. Barcode_1: According to SSCC setup on the Location card. AI codes and values of the Fields 5-9

2. Barcode_2: AI code (00) and SSCC value

If the shipping unit is not homogeneous, only the SSCC code should be printed on the label.

1.3 SSCC label technical parameters

Standard size of the SSCC label:

- for homogeneous pallets: A5 (148 mm x 210 mm)
- for heterogeneous pallets (only with SSCC data content): A6 (105 mm x 148 mm)

Standard size of GS1-128 barcode:

- minimum applicable module size (size X): 0,495 mm
- width of a bar code: up to 48 characters or 165 mm including rest fields

The font for free text information and eye-readable strings under the barcode is the ARIAL or OCR-B font. The font size of the free text information should reach 3 mm. The font size of the eye-readable strings below the barcode should reach 3 mm. Date format is according to English version. (day, month, year).

Testing Scenario Proposal

1. **Check Prerequisites**

- SSCC setup on the location card and logistics setup card

2. **Create and Post Shipping Unit**

- Enter the Shipping Unit Creation field on the warehouse activity line
- Select the Create Shipping Unit function
- Select the Register whse. Activities function
- Select the Complete Shipping Unit

The label is printed automatically by the *Complete Shipping Unit* function. If you want to print the label, you can do it with the *Print label* function on the Shipping Unit.

Shipping Units Load

The shipping unit loading is an additional loading process when picking is done. The steps are:

- Assign a Loading Bin to a Shipping Unit
- Page to prepare and finish loading

Shipping Unit Loading Process

The prerequisite for using shipping unit loading is that a number series must be defined in the Loading Nos. field in the Logistics Setup page.

The Shipping Unit Loading process has two parts: the Logistics Loading List and the Logistics Loading Card.

Logistics Loading List

The Logistics Loading List shows loading for the logged in user. To log in as new user or log out a previous user, choose Process > Sign In Warehouse User or Sign Out Warehouse User on the Actions menu. The current user is displayed in the Whse. User ID field.

Existing entries can be opened or deleted from the Manage menu. New entries can be created from the New action. Either option opens the Logistics Loading Card.

Logistics Loading Card

The loading process is handled on the Logistics Loading Card. This page has three sections: General, Details, Lines and is based on the CCS LOG Shipping Unit Header table (5292219).

General FastTab

The fields on the General FastTab are described in the following table.

Field	Description
No.	Indicates the loading process number according to the loading number series.
Shipping Agent Filter / Shipping Agent Service Filter / Tour Filter	Used to filter the information.
Loading Type	Shows the steps of the loading process, not editable. The values can be *Preparation*, *Testing*, *Loading*, and *Loaded*.
SSCC	Specifies the Shipping Unit Number, can be manually selected from the shipping unit list or by scanning the barcode of the Shipping unit number.
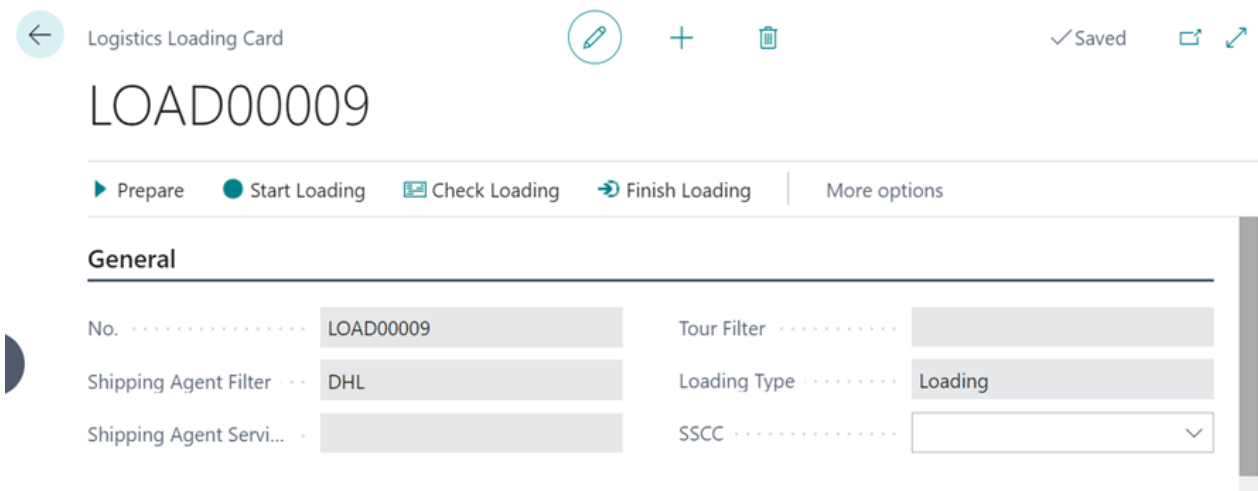
Details FastTab

The fields on the General FastTab are described in the following table.

Field	Description
Loading Date	Specifies the loading date for the loading process.
Sum Weight	Indicates the sum of the shipping units' gross weight.
No. of Shipping Units	Indicates the total number of lines.
Whse. User ID	Indicates the user who handles the process.
Loading Note	Specifies a note for the loading; user defined.
Loading Location	Specifies a Location for the loading.
Loading Bin	Specifies a Loading Bin for the loading.

Loading Subpage FastTab

The Loading Subpage FastTab is filtered on a selected Shipping unit and contains the

following information about the shipping unit:

- Actual Shipment Bin Code
- Shipping Unit Number
- Shipping Agent Code
- Shipping Agent Name/Service Code/Service Description
- SSCC Dimensions
- Ship-to Information
- Packing Item No./Description
- Gross Weight
- Tour No.

Actions

The actions on the **Logistics Loading Card** page are described in the following table.

Action	Description

Action	Description
Prepare	Shows the Logistics Shipping Unit List to be loaded. You can select from the list of shipping units where the status is Posted. The value of the Loading Type will be *Preparation*. Using this function will fill out the *Prepackaged at Date*, *Prepackaged at Time*, *Prepackaged from User ID*, *Prepackaged from Whse. User ID* fields fields on the Shipping unit card (*History* section). The connected Shipping Unit's type is *Preparation*.
Start Loading	The loading process starts with this step. The Loading Type will be *Loading*.
Check Loading	The Shipping unit can be checked in the warehouse at this step. The value of the Loading Type will be *Testing*.
Finish Loading	This function completes the loading of the goods. At this step the Loading Type must be *Loading* and line(s) must exist. The value of the Loading Type will be *Loaded*. You cannot delete the line from the loading card, when the status is *Loaded*. Using this function will fill out the value of the *Loaded at Date*, *Loaded at Time*, *Loaded from User ID*, *Loaded from Whse. User ID* fields on the Shipping Unit Card. The connected Shipping Unit's type is *Loaded*.
Print	Prints a loading document with the following information: - Loading header data - SSCC information - Items, quantities

The actions on the Loading Subpage FastTab are described in the following table.

Action	Description
Remove	Removes the selected row.
Open Shipping Unit Card	Opens the shipping unit card of the selected row.

Process

The general loading process is as follows:

1. Create Logistics Loading Card.

2. Select posted shipping units for the loading.
3. Start the loading process.
4. Check option.
5. Enter different information for the loading.
6. Finish loading process.

Feedback

Submit feedback for this page .

Testing scenario proposal

- Check prerequisites
- Loading process
- Create Loading card
- Select posted shipping units for the loading
- Start the loading process (Start Loading function)
- Check option (Check Loading function)
- Enter different information for the loading
- Finish loading process (Finish Loading function)

Shipping Units Administration

Logistics Inventory Information list serves as an option to get a quick overview of the stock on storage bin level.

Item No., Location Code, Bin Code can be used to filter.

Logistics Inventory Information List

The *Logistics Inventory Information List* page has two parts:

- Filter
- Lines

The table of this page is CCS LOG Inventory Information (5292232).

Filter's fields

- Item No. Filter
- Location Code Filter
- Bin Code Filter

Line's fields

- Item No.
- Description
- Variant Code
- Lot No.
- Location Code
- Bin Code
- Bin Description
- Bin Ranking
- Zone Code
- Quantity
- Unit of Measure
- Qty. per Unit of Measure
- Pick Quantity

Functions

- **Get Records**

The system checks the filters and lists the lines according to the filter. It is the same an "Refresh" option

- **Cancel Whse. Activities**

The *Registered pick lines* can be cancelled via *Cancel Whse. Activities*. After selecting the the line to be cancelled you can use the function "Cancel Whse. Activities".

A new window is opened, where the row can be selected and cancelled using the "Cancel whse. activities" function.

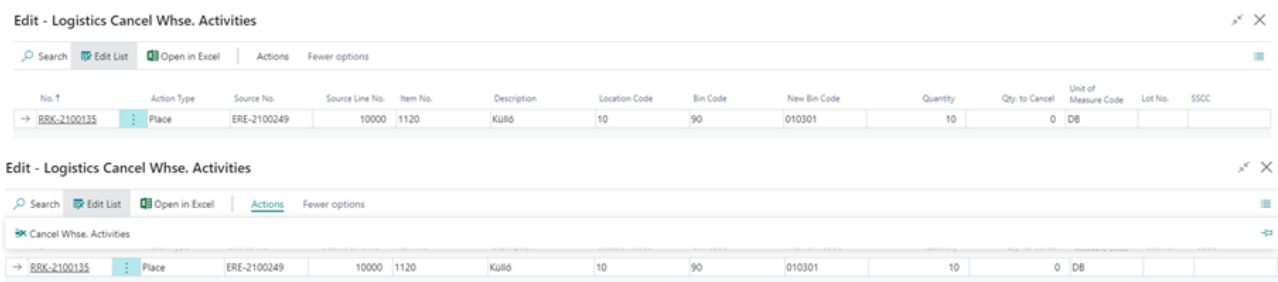Logistics Cancel Whse. Activities fields:

- No.
- Action Type
- Source No.
- Source Line No.
- Item No.
- Description
- Location Code
- Bin Code
- New Bin Code
- Quantity
- Qty. to Cancel
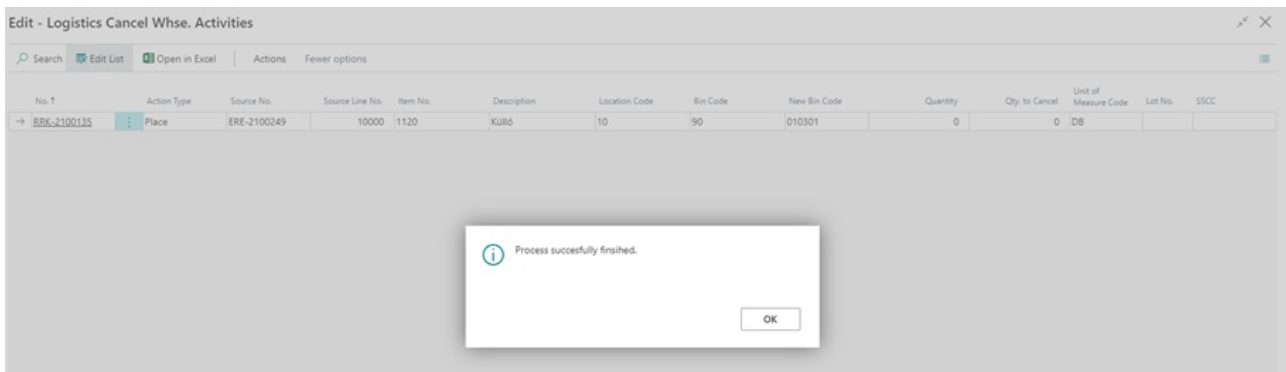- Unit of Measure Code
- LOT No.
- SSCC

The *New Bin Code* is an editable field. This is a target bin code for the items. Its default value is the bin code of the registered pick line.

The *Quantity to cancel* is an editable field. It specifies the quantity to be cancelled. This quantity can be changed manually if only a partial quantity is to be removed from picking.

After using the Cancel Whse. Activities function, the quantity is changed on the registered pick lines and the connected shipping unit line.

The function can handle one registered warehouse activity line at a time.

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- **Related Shipping Units**

It opens the shipping unit list page with the related shipping unit numbers.

You can open the shipping unit card and print the shipping unit labels.
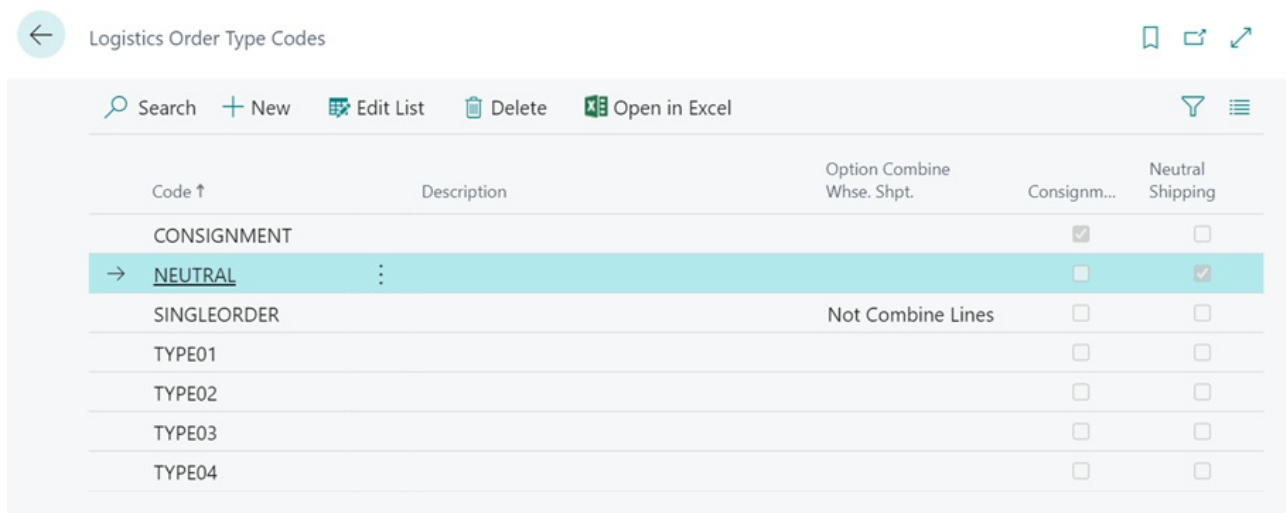
Neutral Shipping Process

You can create a **Neutral shipping** by selecting the appropriate *Order type* code on the order.

If a shipment is neutral, then the SSCC label will be printed without a logo and sender information.

Process

You can reach the Neutral Shipping field on the CCS LOG Order Type Codes (5292200, List) page.

If you want to create a Neutral shipping, you should select an order type code with Neutral shipping mark on the order.

If the selected order type's Neutral Shipping field is set to *TRUE*, the Neutral Shipping field should be YES on the CCS LOG Shipping Unit Card (5292234, Card). This field is not editable on the Shipping Unit Card.

If the shipping unit exists, the Order type code is not editable.

It's not possible to combine neutral shipping lines with normal shipping lines on the Shipping unit. (Source documents have Neutral order type code.)

The information is transferred to each shipping unit and the Shipping unit label should be printed without logo and sender information, if the *Neutral shipment* is activated.

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Testing scenario proposal

- Check prerequisites
- Create sales order, select Neutral Shipping order type code
- Create whse. Shipment and whse. Pick
- Create Shipping Unit
- Register pick
- Complete Shipping Unit and Shipping unit label is generated automatically
- Post whse. Shipment
- Shipping Unit label can be printed again on the Shipping unit card

Service Orders

On the Outbound side of the processes, besides the Sales/Transfer/Purchase return orders, it is possible to handle the Service Orders. The function supports the management of the service parts within the warehouse or between the separate locations of the company.

Function

Prerequisites

- The general setups for the usage of Service module
- Location card: the „Warehouse Outbound Request Lines Generation" flag should be set to „TRUE"

Service orders process

When a Service Order is created it is possible to assign different spare parts to the service item line. Typically, these are spare parts on stock in the warehouse and the handling can be done by warehouse shipment and picking process.

The 1st step is to add a line to the Service order: this shows the service item related to a final product item. To add the requested components, you need to choose the "Service Line" under the "Order" function:

On the Service Lines you can define the spare parts, components needed for the given Service task:

Edit - Service Lines - SSR-2100007 · Prominent Bútor Stúdió Kft.

Service Lines Filter ··· Per Selected Service Item Line

Manage   Post | Actions   Related   Fewer options

Service Item No.	Type	No.	Description	Location Code	Quantity	Unit of Measure Code	Unit Price Excl. VAT	Line Amount Excl. VAT	Line Discount %	Line Discount Amount	Line Discount Type
→ SC00004 ··· ⋮	Item	1100	Front wheel	10	100	DB	1,000	100,000			

With the "Release to Ship" function, the order is released, and the spare part lines will appear on the Logistics Outbound Warehouse Request Lines:

← Service Order | Work Date: 12/6/2021   ✎   +   🗑

SSR-2100007 · Prominent Bútor Stúdió Kft.

✕ This customer has an overdue balance.   Show details

Warehouse   Print/Send   Release   Posting   Order   Navigate | Actions   Related   Fewer options

📑 Release to Ship   ⟳ Reopen

Lines | Manage   Line   Functions   Order   Fewer options

Service Item No.		Item No.	Service Item Group Code	Serial No.	Description	Fault Reason Code	Repair Status Code	War...	Contract No.	S... G...
→ SC00004	⋮	1001			Túrabicikli	BROKEN	NEW	☐		

The type of the order will be "Service":

Logistics Outb. Whse. Req. Lines | Work Date: 12/6/2021   ✓ Saved

🔍 Search   Manage | Actions   Related   Fewer options

Type		Location Code	Source Document No. ↓ ▼ ∨	Whse. Document No.	Source Document Line No.	Source Doc. Type	Source Doc. Subtype	Source Document Status	Item No.	Description	Description 2	Tour No.	Origin Code	Color Code	Destination Code
→ Outbound	⋮	10	SSR-2100007		10000	Service	Order	Released	1100	Front wheel					

The functions that can be used for Service Orders on the Outbound Warehouse Request Lines are the following:

- Create warehouse shipment
- Create warehouse shipment and pick
- Assign tour
- Change shipping agents and shipping date
- Create warehouse shipment proposal: the proposal will not mix the different order types, so one service order and a sales order will not have the same warehouse shipment proposal number. Under the "Related" navigation tasks all the functions are available for the Service Orders.

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Consignment Orders

The company maintains separate storage locations in the system for each consignment warehouse. These storage locations store the customer number and ship-to address information. It's important to note that the goods stored in the consignment warehouse remain the property of the company until they are removed/used by the customer.

To replenish the consignment stock, the company uses normal sales orders but with a specific consignment order type. The consignment storage location is also included in the sales order header. It's essential to define these consignment storage locations in advance containing the customer ID and optionally a specific ship-to address.

The shipping process for consignment orders is similar to regular sales orders. However, during the sales shipment posting, a stock transfer to the consignment warehouse takes place, and the sales line is directly marked as completely shipped. Once the customer removes the goods from the consignment location and the used quantities are reported back, the used goods can be booked out of the consignment warehouse by creating/posting a normal sales invoice. This can be done by:

- directly posting an invoice from the consignment order,
- but also using the standard "Get Shipment Lines" function on a newly created sales invoice or,
- using the combine shipments invoice batch job.

In summary, here are the steps of the consignment process:

1. Set up consignment storage locations per customer/customer delivery address.
2. Add the consignment storage location in the order header.
3. Follow the normal shipping process but use the consignment order type.
4. Upon shipment posting, the stock is transferred to the consignment stock.
5. Invoicing is performed through the regular invoicing process, where stock is being consumed from consignment location upon posting the invoice.

Prerequisites

Logistics Setup

To allow transfer posting on a consignment sales order you must define the following fields on the Logistics Setup page.

- Item Journal Template (Consignment Locations)
- Item Journal Batch (Consignment Locations)

To streamline the process, we recommend creating a dedicated item journal batch exclusively for transfering goods to consignment locations. This batch should be used solely for this purpose.

To ensure accuracy and avoid conflicts, the code automatically clears all records from this journal batch (including item tracking data) before proceeding with a new consignment location transfer posting. This step guarantees a clean slate for each consignment transfer, preventing any unwanted data from interfering with the process.

Consignment Order Type

For the consignment process to work properly, it is required to use a specific order type, where the Consignment field is activated. Please make sure such an order type is defined.

Consignment location

Once a sales order is being identified as consignment order (by using the consignment order type) it is mandatory to select a consignment location for the sales header prior to releasing it. To be able to select one, consignment locations must be created in advance for the customers. This can be done with specific fields on the location card.


The Customer Location and Customer Code are mandatory. If a specific delivery address is needed the Customer Ship-to Code field should be used.

Consignment order

Consignment order as sales order

The consignment order can be a sales order in the system. The primary advantage for using a sales order is to keep the order entry process identical using similar shipping documents as for regular sales orders. This will be achieved by using the consignment

order type on the sales header. Once that is used the consignment location code on the sales header is mandatory.
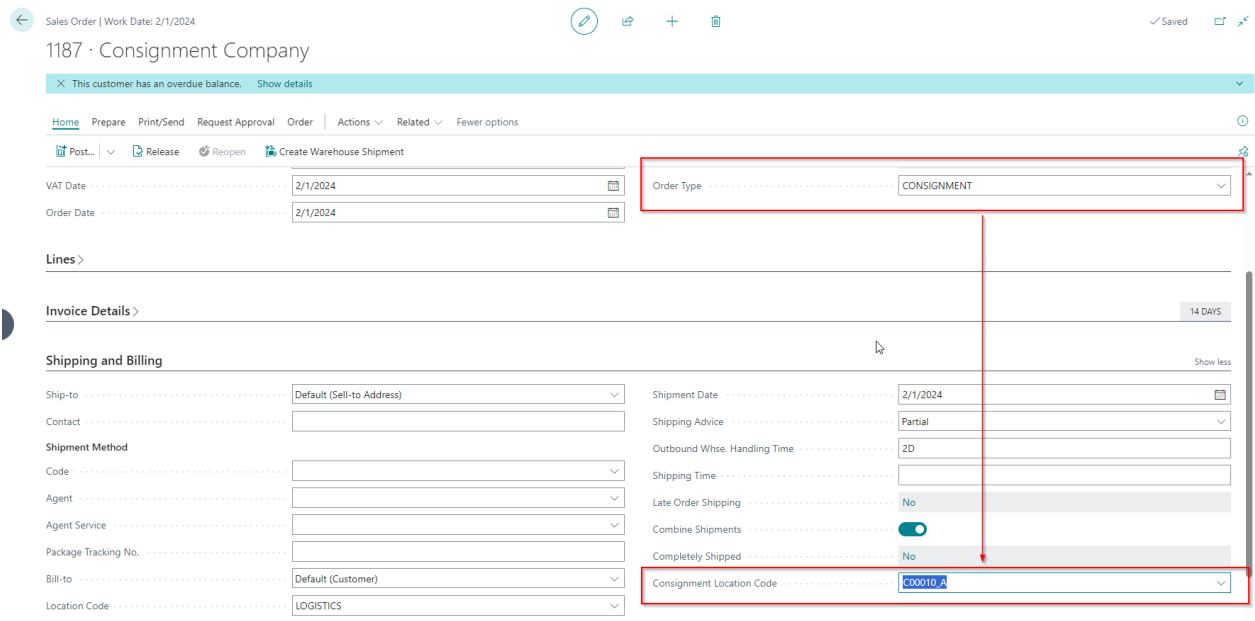
During the consignment ordering process the consignment Location Code is stored in different tables, where this field is not editable (it will be used by the system to finalize the consigment process properly from shipping to invoicing).

The tables used are:

- 36 - Sales header
- 37 - Sales Line
- 83 - Item Journal Line
- 110 - Sales Shipment header
- 111 - Sales Shipment Line
- 5107 - Sales Header Archive
- 5108 - Sales Line Archive
- 5765 - Warehouse Request
- 7321 - Warehouse Shipment Line
- 7323 - Posted Whse. Shipment Line

Consignment order as transfer order

If using a similar order entry process for consignment shipments as regular sales shipments is less relevant, it is also possible to use a transfer order to move goods to consignment locations.

Transfer Type

The Transfer Type can be defined on the Transfer Order. This field is saved in the Transfer Shipment Header and Transfer Receipt Header.

This field is only for information making it easier to identify consignment related transfer orders. The posting of the transfer order with this type remains the same as a standard transfer order.

Consignment Process

1. Required setup:

- Item Journal Template and Batch defined in Logistics Setup.
- An order type code with type "consignment"
- A separate Consignment Location for the customer (Fields: Customer Location, Customer No. and optional Ship-to Code on the Location Card)

2. If you want to transfer items to the consignment location, you can use the sales order instead of a transfer order

- The consignment location code is defined in the sales header
- The system automatically fills out the consignment location in the sales line, whse. Request line and whse. Shipment line too
- Advantage: similar way of working allowing to use all fields (salesperson, promised shipment date, …) and reports of the sales order
- Disadvantage: supports only a process without MRP/ Plan. Worksheet

3. The warehouse pick and shipment process is the same as with a regular sales order process

- The order type code and consignment location code help as addtional information on the warehouse shipment line

4. When posting the sales shipment the system posts an item Journal instead of posting a sales shipment

- Item Ledger (and warehouse) entries are being created with Transfer entry type and using the sales order as Document No.
- Qty. To Invoice on sales line and sales shipment line is filled

5. For Invoicing, you can create a sales invoice similar as with a standard sales process

- Straight from order, using get shipment lines on invoice or use combine shipments batch job

- Item Ledger entries are being created with Sales entry type to consume the goods from the consignment location and complete the consignment sales process.
- When invoicing serialized and/or lot tracked items the Document No. will be used to apply to the corresponding transfer entries.

Testing scenario proposal

- Check prerequisites
- Create sales order, select Consignment order type and Consignment location code
- Create whse. Shipment and whse. Pick (depending on location settings)
- Register pick and Post whse. Shipment (depending on location settings)
- Posted sales shipment is generated
- Item is in the consignment location
- Create sales invcoice
- Post sales invoice
- Item is used from consignment location

Inbound Warehouse Request Lines

The Inbound warehouse request line list shows all the released and not yet handled incoming request lines for planning the warehouse work.

Starting from the request lines the warehouse users can plan and create the receipts, organize the work within the warehouse.

Prerequisites

- The Whse Request Lines flag must be set to „YES" in order to have the source document lines on the Warehouse request lines to appear automatically.
- CC logistics setup: the number series for the Tour numbering must be defined in the CC logistics setup.
- Tour card: In order to be able to assign a tour to the warehouse request line, the tour must be created in advance.

The tour card contains information about the Shipping agent, the shipping agent service code and the date of the receipt. The type of the tour is „Inbound" in case of receipts.

Inbound Warehouse Request Line Page

The warehouse request line list shows all the released and not yet handled inbound request lines for planning the warehouse work.

The page has two sections: the lines and a summary showing the total weight of all the lines waiting to be handled and the number of lines. The lines are filtered by the location the user has access to, so that each warehouse worker sees only those that belong to their setup.

The overview contains document lines for which no goods receipt has been created yet.

Fields

The fields in the lines are described in the following table.

Field	Description
Type	Indicates the type of the document, in this case "inbound".
Source Document No.	Indicates the number of the source document (purchase order, transfer order or sales return order number).
Source Document Line No.	Indicates the line number within the given source document.
Source Doc. Type	Indicates the type of source document, which can be sales/transfer/purchase.
Source Document Status	Indicates the status of the source document (Released/Open).
Item No.	Indicates the number of the item.
Description	Indicates the description of the item.
Tour No.	Indicates the tour number if the receipt is assigned to a tour.
Location Code	Indicates the location to where the receipt will be done.
Quantity	Indicates the quantity to be handled.
Unit of Measure	Indicates the unit of measure of the item.
Weight	Indicates the weight in KG.
Destination No.	Indicates the code of the vendor/location/customer from where the goods are coming in.

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Field	Description
Due Date	Indicates the source document date.
Net Weight	Indicates the net weight of the item on the line (from the Item Card).
Outstanding Qty. Whse. Receipt	Indicates the outstanding quantity to be received on warehouse receipt document.
Outstanding Quantity	Indicates the outstanding quantity to be received.
Qty. Received Whse. Receipt	Indicates the quantity received on the warehouse receipt document.
Qty. Per Unit of Measure	Indicates if the basic unit of measure of the item differs from the one defined on the line, then it shows how much of the basic UM = to 1 unit of the line UM (this definition comes from the item alternate unit of measure definition).
Qty. Whse. Receipt	Indicates the quantity on the warehouse receipt document.
Qty. to Receive	Indicates the quantity to be received on the warehouse receipt document.
Qty. Received	Indicates the the quantity received for the given line.
Responsibility Center	From the source document, if applicable.
Salesperson Code	From the source document, if applicable (buyer in case of a PO).
Shipment Method Code	Indicates the shipment method from the source document.
Ship-to.. data	Indicates the name, address and other contact information defined at the Ship-to code.
Unit Volume	Indicates the volume of one item, defined on the Item Card.
Variant Code	Indicates the code of variant item, if applicable.
Weight Order Outstanding Quantity	Indicates the weight of the outstanding quantity.
Whse. Document Type	Indicates the type of document, "receipt" in case of inbound line types.

Field	Description
Whse. Document No. / Whse. Document Line No.	Indicates the number or line number of the warehouse receipt document.
Cubage	Based on the volume info on the Item Card and the quantity to be shipped, the system calculates the volume of one unit to be shipped.
Height / Length / Width	Indicates the measurements defined on the Item Card.

The fields in the Summary section are described in the following table.

Field	Description
Total Weight	Indicates the total weight of all line items.
No. of Lines	Indicates the total number of lines on the document (same as the lower page information).

Actions

The actions on the Actions and Related menus are described in the following sections.

Actions Menu

To use the actions on the Actions menu, several lines can be marked simultaneously. Each action is described in the following table.

Action	Description
Create Whse. Receipt	Creates a warehouse receipt for the selected lines on the warehouse request line list.
Assign Tour	Assigns a tour number to the selected lines. A tour contains a tour date, a shipping agent and the shipping agent service type. These data is assigned to the selected rows. The tour number is transferred to the goods issue and shipping units and is used for time planning. It is possible to assign a tour to only one or several lines on the warehouse request line list.

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Action	Description
Change Shipping Agent	Assigns or changes the shipping agent and shipping service of the line.

Related Menu

The actions on the **Related** menu are described in the following table.

Action	Description
Open Source Document	Opens the source document of the selected line. This can be a purchase order, transfer order or a sales return order.
Open Whse. Receipt	Opens the warehouse receipt.
Open Tour Document	Opens the tour document if one exists.
Item Availability by Variant	Opens the list that shows the available inventory of the variant items, if exists.
Item Availability by Location	Opens the list that shows the inventory of the given item in each location.
Item Availability by Periods	Opens the list that shows the available inventory balance taking into consideration the requirements and the planned receipts.

Feedback

Submit feedback for this page .

Check prerequisites

- **Whse. Req. Lines** flag is set to YES on the location card
- Nr series assigned to the „Tour numbering" on the Logistics setup
- Tour exists on the tour card

Create source documents

- Purchase order for 2 items. Check if the order appears on the Warehouse request lines after the release.
- Transfer order for 1 item. Check if the order appears on the Warehouse request lines after the release.
- Sales return order for 1 item. Check if the order appears on the Warehouse request lines after the release.

Check each step of the available functions.

- create a warehouse receipt. Check if the document is created and can be received.
- assign a Tour to the line. Check if the tour card contains the line. Try to assign the same line to a different tour, it should give an error message.

Inbound Tours

You can create an inbound Tour for the transporting task. Different warehouse request lines can be assigned to one tour.

The inbound tour is used to specify how the goods and which goods will be sent from the vendor, including details of the deliverer, etc.

A tour number can be assigned to the selected lines using the "Assign tour" function on the Logistics Whse. Inb. Req. lines. A tour includes a tour date, a deliverer and a delivery method. This data is assigned to the selected rows.

Prerequisites

No series

A number series must be defined for the numbering to be used for the tours. The number series must have a starting number and it can be used when creating the logistics tour on the tour card.

Logistics tours

A tour is used to optimise the work in the warehouse by summarizing the reception preparation based on certain criteria. This criteria can be defined on the Tour card itself.

The tour card consists of 2 parts: header and lines. On the card, only the header data can be updated.

The tour card can be opened directly from menu or from the Logistics tour list page. On the tour list page it is possible to chose the create new tour as well.

The tour card header contains information about the shipping agent, the date of shipment and the type of shipment.

The tour number is assigned automatically based on the No. series selected at the tour creation.

The Tour type can be inbound or outbound, during creation it is „inbound" by default and must be changed manually (in case of outbound tours).

The status is new when creating and when it is finalized, it can be released. In this case, this is not possible to change data in the header and line fields, and cannot add new line.

The tour date defines when it has to be completed.

The tour card lines are updated from the warehouse request line table and cannot be changed manually, it is only possible to delete lines.

The Shipping agent information is synhronised between the request line and the Tour. It is not possible to assign a Tour to a line that has different shipping agent information.

Tour Lines data is grouped according to Destination From/to. You can see one main line per Destination From/to, and below the detailed information lines.

Main lines' type is group, and detail lines' type is line.

Process

The Inbound warehouse request line page function Assign Tour name allows us to create tour lines from Inbound warehouse request lines.

When you select the Assign Tour function, the Tour list opens, and you can select a Tour.

After selecting the Tour nbr, it is added to the warehouse request line table in "Tour" field and the tour card can be opened.

If the marked line has Tour No. already, user should get error message:

"The line is already assigned to the Tour no."

Put-away Strategy

You can create a put-away strategy for the put-away step. The system will check the setup fields and can recommend the bins according to the predefined put-away strategy.

There is the possibility to check the bin size and the maximum cubage and weight. The strategy can be based on Same Item, Empty Bin or Not Same Item options at the bin selection.

Prerequisites

The setup fields can be found on the location card at the Warehouse section: Use Put Away Strategy boolean and Put away strategy code fields.

By the Put Away Strategy Code field, the Whse. Strategy List page is opened with 2 filters: the "Put-away Type" and "Location".

The Warehouse section of the Item card contains the field Put-away Strategy Code, one filter is used: the Type is Put-away. This strategy code has higher priority than the location card's strategy code.

Directed Put-away and Pick and Use Put-away Strategy don't work parallelly, the fields value can't be YES at the same time.

Item setups

- cubage: calculated based on the setup in the item unit of measure definition (accessible from the item card)
- weight: net weight of the item on the source document multiplied by the quantity to handle

Put away strategy card

You can define the Put away strategies on the Put away strategy card.

Code and Description are mandatory and Location Code is optional. On line level the actual strategy rules are being defined. You can select from different options:

Find Type Bin Content

- Empty Bin: the system will find an empty bin, which also complies the other strategy filters for that line.
  - When there are outstanding put-aways for the bin, it is not considered as empty!

Check Bin Size

- If this field is Yes, the system compares the default bin size from the receipt line (which is inherited from the item) with the available bins with the same or higher bin sizes.

Check Max. Cubage and Weight

- If this field is Yes, the system should check the Max. Cubage field and Max. Weight field. The item's cubage and weight are calculated on the warehouse activity lines and compared with the maximum weight defined in the Bin Size table
  - The system will recommend bins, which have the same or higher weight value.
  - This option is only possible for locations with Bin Capacity Policy set to 'Prohibit More Than Max Capacity'.

Zone Filter

- With this field it is possible to filter the put-away to a specific zone.

Bin Code Filter

- With this field it is possible to filter the put-away to a specific bin. It is adviced to have a final strategy line with a bin code filter defined as 'buffer' bin.

Function

When the put away is generated and the strategy setup or bin data are modified afterwards, it is possible to recalculate the target bins based on the modified strategy and/or bin data by using the Reallocate Targit Bins function on the Warehouse Put-away.

Warehouse Put-away | Work Date: 2022. 08. 04.

Put-away · REL-2200035

Register Put-away   Print...   Registered Put-aways | Actions   Related   Fewer options

Functions ⌄   Registering ⌄   Print...   Reallocate Target Bins

Process

In case the put away is created for a location for which the Use Put-away Strategy field is set to Yes, the system will apply the following strategy rules:

1. If there is a put away strategy defined for the item it will apply that first (on item level it is not mandatory to set a put-away strategy)
2. If there is a put away strategy defined for the location it will apply that second (on location level it is mandatory to have a put-away strategy defined when the USe Put-away strategy field is activated)

Example:

The put away strategy has four lines:

1. The system should find one bin with *"not same item"*, in AREA01 Bin Area and should check the Bin size and max. cubage and weight. The system doesn't find the bin with the specified conditions.
2. The system continues to search according to the second line's parameters. Bin is with *"not same item"*, and system should check the Bin size and max. cubage and weight. The system doesn't find the bin with the specified conditions.
3. The system continues to search according to third line's parameters. It should find an empty bin without other condition. The system doesn't find any empty bin.
4. The system checks the next line of the put away strategy. On the fourth line, one bin code is determined.

The bin of the put away will be 010301.

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If the system found a good bin at one of the put away strategy's lines, it will not continue searching.

If the system finds more good bins, the default value is the priority. Without default value, the sequence is according to alphabetical or numbering order.

Additional information on the Bin

The warehouse activity line cubage and weight appears on the Bin list under the location. You can compare the maximum cubage and weight with the actual cubage and weight, and if the check cubage and max weight flags are set to TRUE, then the put-away warehouse activity will take into consideration the value of those fields. The registering of the put-away is not blocked if the maximum is smaller than the actual.

Testing proposal

- Check prerequisites:

Put away strategy fields on the location card

- Create Put away

Warehouse Activities Putaway

The warehouse put away can be one part for the inbound logistics process.

The put away activities and put away lines can be found on the warehouse put away page.

Here the two created put away lines are linked to a warehouse activity. Each storage activity line can be registered individually. This makes possible to see which warehouse activities of a put away are already completed. During registration, the movement quantity can already be transferred to the target storage bin.

If there is a remaining quantity when registering a storage activity, a new "open" storage activity is created for it. When a storage activity is cancelled, a transfer back to the original storage bin takes place and the storage activity is again set to status *"open"*.

Warehouse activities put away subform

The standard warehouse activities page has a new part with Logistics Warehouse activities.

For the new part, information goes from the warehouse receipt line, the warehouse activities line.

Two standard warehouse activities lines connect to one Logistics whs. activity line on the new part.

The new part has two Bin code fields: Bin Code and Target Bin Code.

This bin information is found on the different lines at the standard lines section of the warehouse activity page.
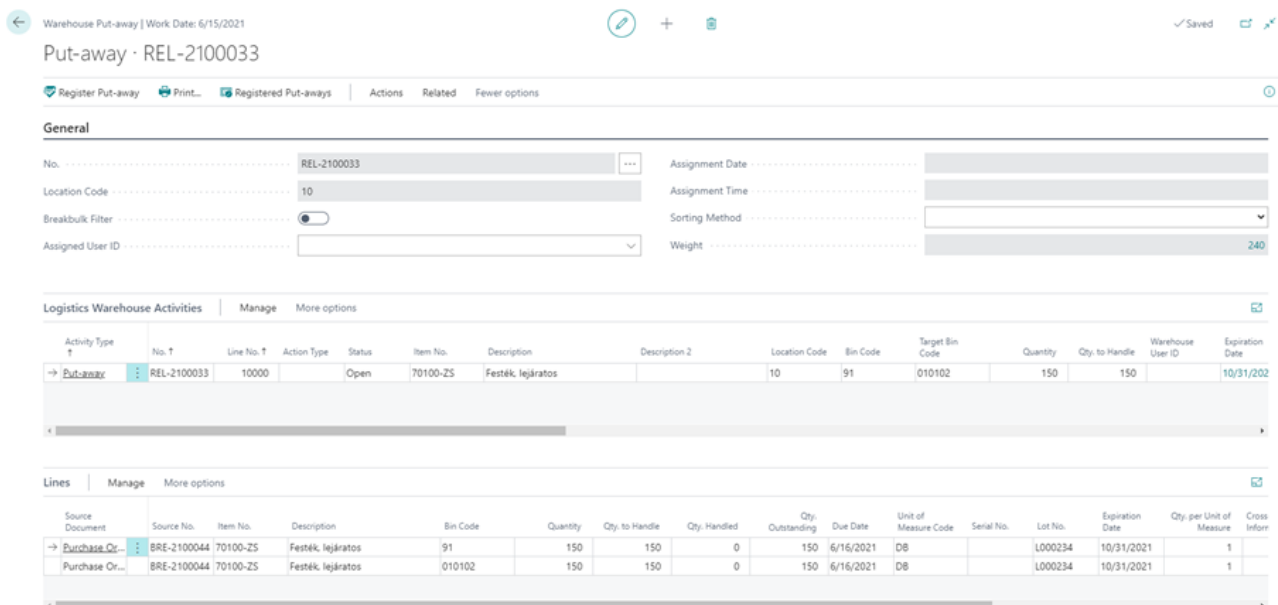
Create the warehouse put away with the standard method:

in this case the system creates the warehouse put away with three parts: general, whse. Activity, whse. Activity lines.

By this step, the qty. to handle is equal to the Quantity field, but you can modify this field, if the status of the whs. activity line is open. By the other status, the qty. to handle value is not editable.

The modification of the qty. to handle field has effect to the Qty. to Handle (Base) field.

The qty. to handle field is modified by the new whs. activities part and by the lines too, but the user change on the one part, on the other part, the data should be updated according to the modification.

The new part's line has a Status field, it is modified with Register Whse. Activities and Cancel Whse. Activities functions.

The status field has two values on the whse. Activity part:

- By the Create step, Status is Open
- By the Register step, Status is Registered

Some fields are calculated according to the qty to handle: Cubage and total net weight field.

Some fields are editable on the standard and new line part pages: bin codes, target bin code, qty. to handle, total net weight.

Updating is necessary between two lines part by the fields' modification.

By the change of the Bin code field, Bin Contents List is opened with filter to the location and the item.

By the change of the Target Bin Code field, Bin list is opened with filter to the location, and user can select one bin code for the target bin.

Final step is standard Register Put Away.

If the status of the lines is not register, user get an error message: *There is nothing to register*.

Functions

- Manage/ Delete line:

Delete the selected line, which has Open status.

- Register Whse. Activities:

This is not equal with the standard registered step. This function can change only the status of the line.

- Cancel Whse. Activities:

The Cancel Whs. Activities function changes the Registered status to the Open. Split line is not deleted and the Qty. to handle will be zero.

- Split Whse. Activities:

You can split the selected warehouse activities line with Split warehouse activities function.

This method is same with the Split function by the standard warehouse activities line.

Using these functions has effect to the standard Warehouse Activities line. The standard functions remain on the Warehouse activities page, you can use the standard and the new functions as well.

Testing scenario proposal

Create and register warehouse put away

- Create the warehouse put away with the standard method
- Select the Register whse. activities function by the Logistics Warehouse activities page
- Select the Register Put away function

Order Tracking

The system can list the connected logistics documents (receipts, put-aways, picks and shipments) from a specific standard documents (sales, purchase, transfer orders).

If you select the Order Status Tracking function, the system searches in through different documents and will display the search results. From the search results the found documents can be displayed directly.

Order Tracking Page

The order tracking page has two parts: *General and Lines*:

- In the General section it is possible to define what documents you would like to see.
- The Lines sections is showing the order tracking lines, which is a temporary table.

The *General* part page's fields are:

- Document Type: Fill out what document type to use as a starting point (when coming from a specific document this is automatically populated).
- Document Sub Type: For most of the document types this is prepopulated, but in case of production orders here you can set an additional filter.
- Document No.: Fill out what document no. to use.
- Document Line No. : if the selected document no. contains a lot of lines it is possible to filter further using specific line no. filters.
- Show: this option field determines what to show on the lines
  - Pending Documents – this will show documents which are not completely processed
  - Posted/Registered Documents - this will show documents which are already completely posted/registered
- Version No. : this field is only relevant in case document type is set to Sales Order Arch., because in that case it is possible to filter on the archived version.

Process

If you select the Order Status Tracking function, the system searches for documents related to the selected document number defined in the General section.

Here is an example:

- You can use this function on the Sales Order page. The Document No. will be the sales order No. field.

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- The system will search according to Document No.

Functions

There are 2 functions on the Order Tracking lines page:

- Refresh – Refresh of the searching method. System should check the General part's fields.
- Display – Connected document of the selected line is opened from where further navagation is possible.

The Order Status Tracking function is available on the following pages (under Related > Order > Order Status Checking):

- Sales order page (Sales Order (42, Document)
- Transfer order page (Transfer Order (5740, Document)
- Sales Order Arch. page (Sales Order Archive (5159, Document)
- Posted Transfer Shipment page (Posted Transfer Shipment (5743, Document)
- Prod. Order page (Released Production Order (99000831, Document)
- Purchase Order page (Purchase Order (50, Document)

Warehouse Dimensions

As logistics dimensions, properties such as color, size etc. of items can be entered. This has the advantage that relevant article information is available in a structured manner in the corresponding pages.

Items with different characteristics can thus be distinguished by the different logistics dimensions set up.

Warehouse Dimension Setup and Usage

This topic describes the setup and usage of warehouse dimensions in COSMO Logistics.

Prerequisites

The prerequisites for using warehouse dimensions are described in this section.

Logistics Warehouse Dimensions

The following information has to be defined for each dimension in the Logistics Warehouse Dimensions page.

Field	Description
Code	Specifies the unique code of the logistics dimension.
Name	Specifies the name of the logistics dimension.
Default Priority	Specifies the priority of the logistics dimension.
Value Prioritization	Defines the value of prioritization. This serves as information. The options are: *Priority*, *Value ascending*, and *Value Descending.
Numeric Value	Specifies whether the logistics dimension is a numeric value.
Code Caption	Specifies the code of the logistics dimension in the selected language.
Filter Caption	Specifies the translated filter of the logistics in the selected language.
Description	Specifies the description of the logistic dimension.
Fixed Field Allocation	Specifies the link to another dimension (not used).

Logistics Warehouse Dimension Values

On the Related menu, choose Whse. Dimension > Whse. Dimension Values to assign different values to each dimension and assign a priority to each value.

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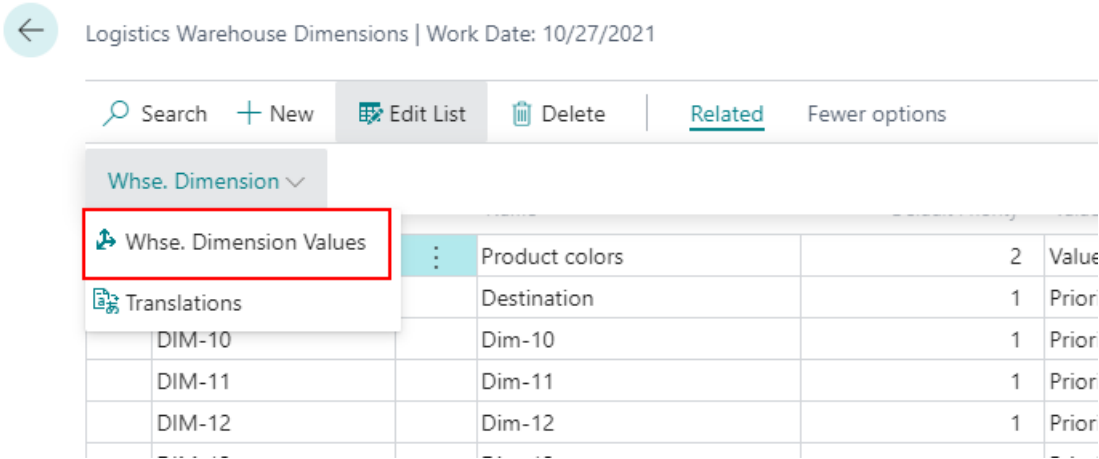
The fields in the Logistics Warehouse Dimension Values page are described in the following table.

Field	Description
Code	Specifies the code of the value.
Name	Specifies a short description of the value.
Priority	Specifies the priority of the dimension value.
Global Whse. Dimension No.	Specifies the value of the global warehouse dimension defined in the Logistics Setup page.

Logistics Whse. Dimension Translations

On the Related menu, choose Whse. Dimension > Translations to define the appropriate code for the selected language. Note that translations can also be made on the dimension values.
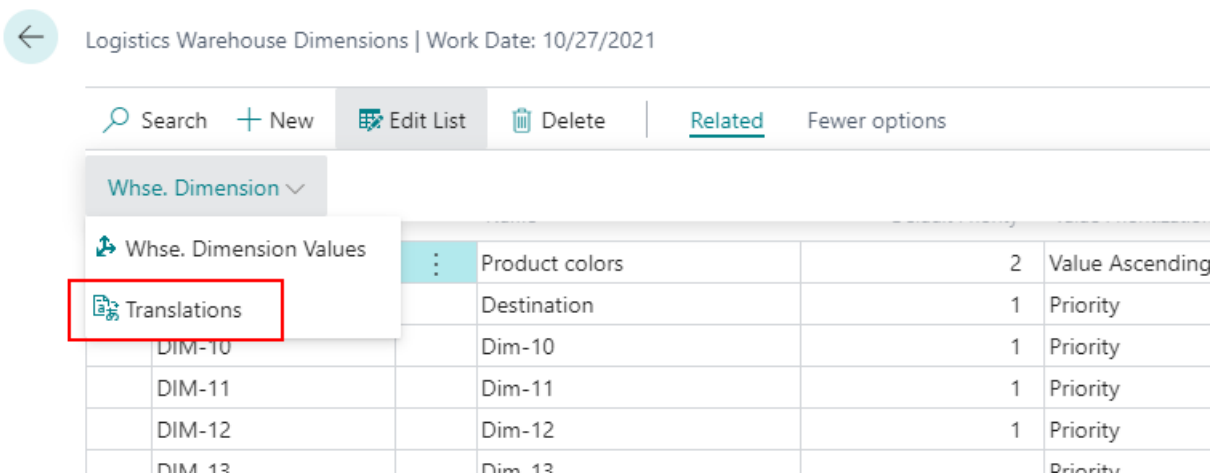
The fields in the Logistics Whse. Dimension Translations page are described in the following table.

Field	Description

Field	Description
Language ID	Specifies the numerical ID of the given language.
Language Name	Specifies the name of the selected language.
Name	Specifies the name of the warehouse dimension on the selected language.
Code Caption	Specifies the caption of the warehouse dimension on the selected language, this will appear on the different lists and functions depending on the user setting.
Filter Caption	Specifies the value of the global warehouse dimension defined in the Logistics Setup page.

Logistics Setup

In the COSMO Logistics Setup page, you can define 15 general dimensions, five decimal dimensions, and three specific dimensions ("Length", "Width", and "Height"). Only the dimensions defined in the Logistics Setup page will appear on the different lists and functions.
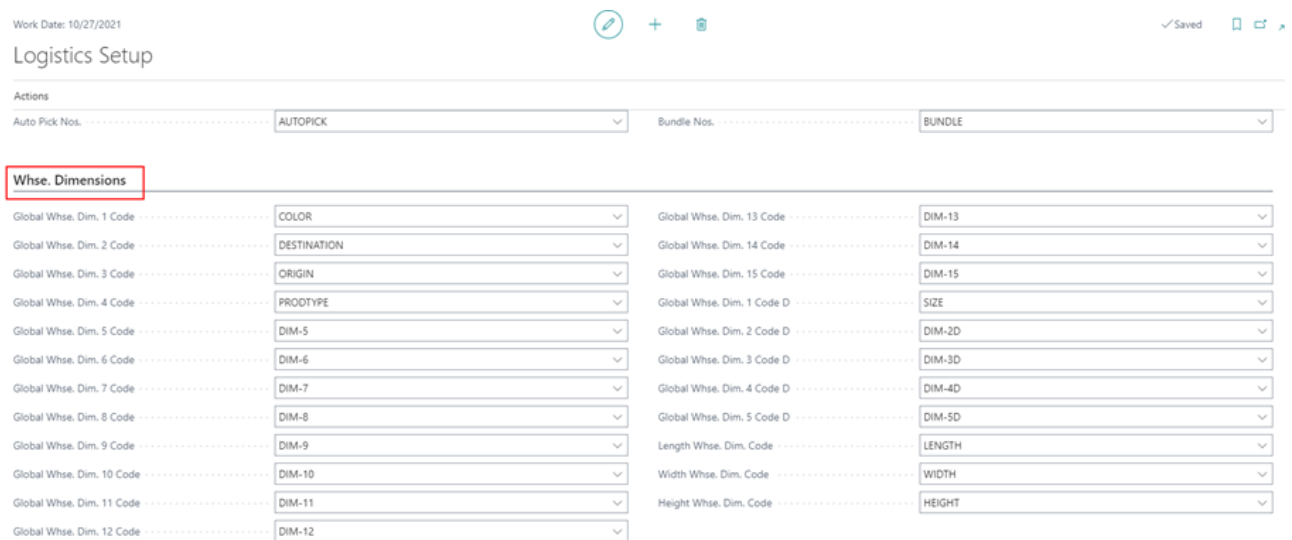
Usage of Warehouse Dimensions

The warehouse dimensions can be assigned to the items. The function is available on the Item Card by choosing Warehouse > Whse. Dimension on the Related menu.

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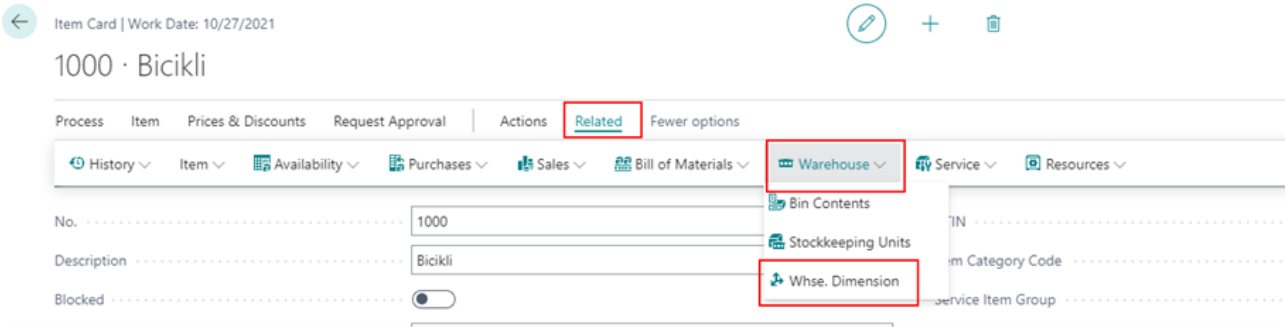
Each assigned dimension can have a value from the previously defined Dimension Value list.

The dimensions are shown on various pages in COSMO Logistics:

- On the inbound side:

  - Logistics Inb. Whse. Req. Lines
  - Warehouse Receipt Line
  - Inbound Tour Line
  - Put-Away – Warehouse Activity Line
  - Posted Warehouse Receipt Line

- On the outbound side:

  - Logistics Outb. Whse. Req. Lines
  - Outbound Tour Line
  - Warehouse Shipment Line
  - Logistics Warehouse Shipment Proposal
  - Picking – Warehouse Activity Line
  - Posted Warehouse Shipment Line

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COSMO Text Module

COSMO Logistics integrates with COSMO Text Module, which makes it possible to add additional text to logistics specific pages and reports.

The COSMO Text Module app is defined as a dependency application for Logistics, meaning it will be installed automatically with COSMO Logistics. To make use of the COSMO Text Module features within Logistics, it needs to get licensed separately.

This topic describes how the COSMO Text Module features are used within COSMO Logistics.

The following table describes the setup areas, with links to the topics that describe them.

To	See
Define the general settings for using COSMO Text Module with COSMO Logistics.	Setup of Text Module within Logistics
Define the additional settings for using COSMO Text Module with COSMO Logistics.	Additional Configuration Text Module - Logistics
View how COSMO Text Module appears in COSMO Logistics.	Text Module Appearance in Logistics

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Setup of Text Module within Logistics

For detailed setup, configuration, and usage information about COSMO Text Module, see the COSMO Text Module Help.

The basic setup for Logistics Text Module integration can be easily initiated from the Logistics Setup page.
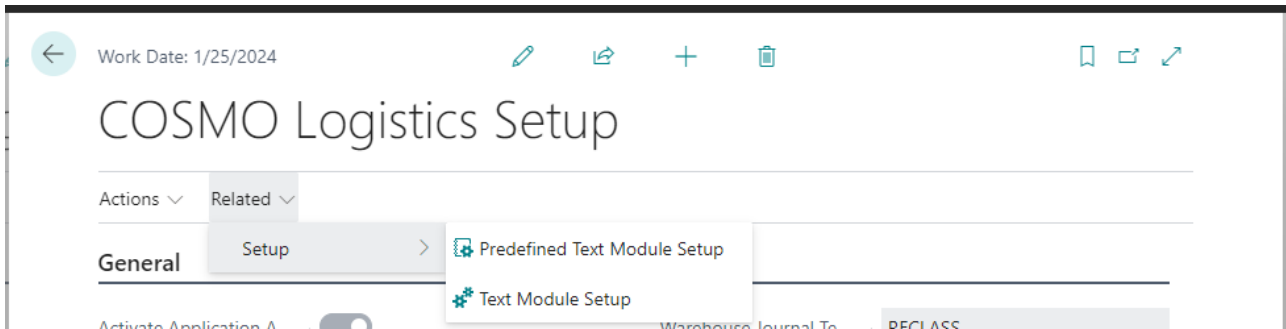
When running the Predefined Text Module Setup process, after confirming the initial setup for Logistics objects will be executed. This will:

- create a specific 'LOGISTICS' text module area

- add all of the Logistics supported objects

- turn on the Text Module Logistics Integration Activated toggle in Logistics Setup

Although the toggle is turned on after this initiation function, the setup has not been finished and needs to get completed within the Text Module Setup itself.

- To navigate to the Text Module setup (to see the result of the predefined setup), choose Related > Setup > Text Module Setup in the Logistics Setup page.
- It is possible to skip the initiation function and do the setup completely manually. In this case the Text Module Logistics Activated toggle must be turned on manually as well.

Text Module FastTab

Other setup options related to Text Module integrations can be found on the Text Module FastTab.

Field	Description
Text Module Logistics Activated	It is possible to skip the initiation function and do the setup manually. In this case the Text Module Logistics Integration Activated toggle must be turned on manually as well. It is also possible to de-activate the Text Module integration by turning off the toggle. When turned off, an error message is generated if Text Module supported reports are still being used in Report Selection - Warehouse.
Show Additional Text on Activity Type	With the Text Module integration, additional text related to items can be shown on warehouse related pages and reports. Some of the reports are related to the take and place activities, and with this parameter it is possible to determine how to print the additional text. The options are: - *Place* (default value): additional text will only be shown for the place lines. - *Take*: additional text will only be shown for take lines. - *Take & Place*: additional text will be shown for both activity lines.

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Additional Configuration Text Module – Logistics

Before using the COSMO Text Module features within COSMO Logistics, additional configuration needs to be completed.

Print Management Codes

After the Logistics objects are made available in the Text Module Objects Setup, it is possible to define specific Print Management Codes in the Text Module setup (use the Tell Me feature to search for Print Management List - Text Module).
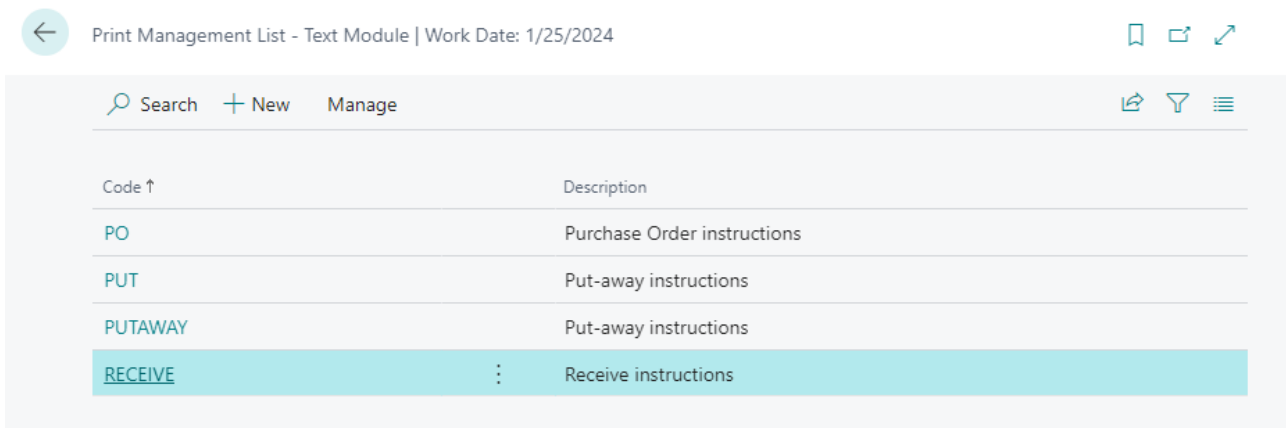
Per Print Management Code it is possible to define which objects are included.

Report Selection - Warehouse

In the above example it is clear some Logistics specific reports are being used for showing the additional text options. Although these reports are added to the Text Module Objects Setup automatically when running the initiation function from Logistics Setup, these reports will not be used automatically.

For this to work properly within Report Selection - Warehouse, the standard reports from Business Central need to be replaced by the Logistics specific ones.

Object Name	Standard ID	Logistics ID
Warehouse Receipt	7316	5292208
Posted Warehouse Receipt	7308	5292209
Put-way list	5751	5292210

For example, here is the report selection for the Logisitics put-away report:

When COSMO Text Module integration is de-activated in the Logistics Setup page, the Report Selection - Warehouse settings are NOT changed. If a specific report, like 5292210, is still being used, an error is shown.

To solve this issue, either replace the report with the standard or client-specific one, or re-activate the COSMO Text Module integration.

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Master Data Configuration

On master data level (item) it is possible to define additional text. See below for an example in which specific text related to print management codes are added.

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Text Module Appearance in Logistics

Once the setup and configuration has been completed, the additional texts can be seen in the Logistics processes as well. Although in standard COSMO Text Module, the support of additional text on header level with specific customer and/or vendor text is supported, within COSMO Logistics this is not possible because on header level there is no unique customer/vendor record. Therefore, the appearance is mainly visible on line level (item).

Below are some screenshots related to the text in a warehouse put-away.

On the line level it is possible to see all the related additional text for this item.

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By using the correct print code in the top of the page, the available text can be filtered easily to only the relevant ones.

When now the put-away report is printed, the additional put-away instructions can be printed as well. In the Show Additional Text on Activity Type field in the Logistics Setup page, you can define where exactly these instructions will be printed (below take line, below place line, or both).

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Introduction

The integration of COSMO Logistics with COSMO Mobile Solution making it possible to process specific Logistics warehouse processes using a mobile device.

COSMO Mobile Solution is defined as a dependency application for Logistics, meaning it will be installed automatically when installing COSMO Logistics. To use COSMO Mobile Solution, the app needs to be licensed separately.

Refer to the COSMO Mobile Solution documentation for information about how to configure the mobile pages and how to use them within the COSMO Logistics app.

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