



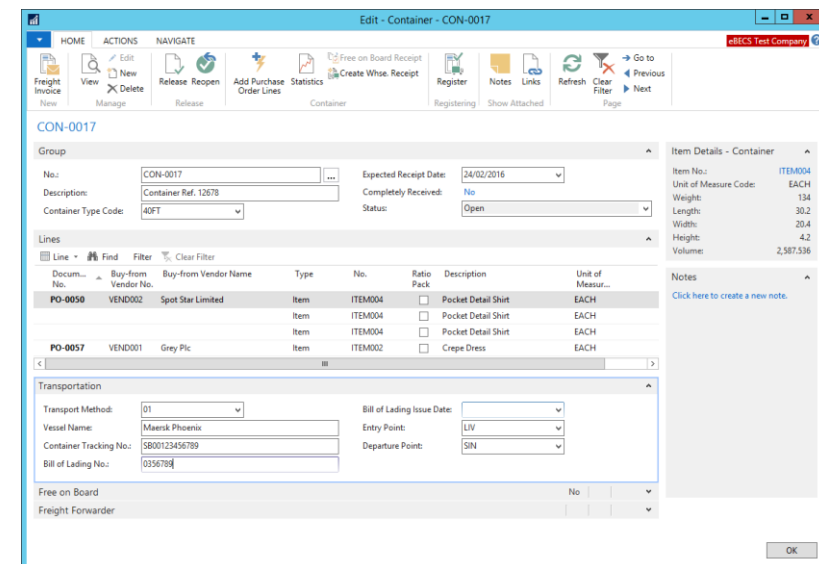
# Container Management

eBECS Accelerators for Dynamics NAV

## Overview

Many retailers, wholesalers, distributors and manufacturers import goods and components from overseas but handling products arriving in shipping containers can create logistical challenges. Long lead-times due to shipping times can have impacts on both availability of stock for customers and production lead-times of items whose manufacture rely on the availability of components. Warehouse processes have to adapt to cope with large volumes of goods arriving in a single container within the constraints of both warehouse space and employees available to perform warehouse activities.

The eBECS Accelerators for Dynamics NAV adds functionality to support the management of containers for inbound goods as well as accurately reflecting the costs of procuring those products such as freight and duty charges.



Container management integrates seamlessly, with the existing purchase order and warehouse management functionality within Dynamics NAV to improve end to end visibility and item availability of inbound goods being shipped by container.

## Benefits

- **Improved Purchasing Efficiency**  
Allow multiple purchase orders to be included in a container to minimise shipping costs.
- **Clearer Item Availability**  
By updating the expected receipt date on a container, it will automatically update the item availability calculations for all items within the container.
- **Better Cost Visibility**  
Landed costs can be assigned to a container and distributed against the items included in the container based on rules such as item volume, net weight, gross weight, quantities and values. This can include freight handling and duty charges from third-party suppliers. These charges can also be included in the items expected cost to reflect the likely cost before invoices are received. These enhancements allow better cost visibility and margin analysis across the application.
- **Reflect True Ownership of Goods**  
Free on Board (FOB) shipping of containers allows the good to be received into a virtual location whilst still on the sea. This reflects the true ownership of the goods whilst still allowing them to be receipted when the container arrives at the warehouse and maintain item availability dates.
- **Improve Warehouse Efficiency**  
Create warehouse receipts per container rather than against the source document. This gives the warehouse operatives improved visibility of container arrival and the ability to handle warehouse activities based on the contents of a container.

## Features

### Containers

Containers can be managed by a new container entity that can hold information regarding a container such as:

- Freight Forwarder Information
- Container Type, Size and Capacity
- Port of Entry
- Port of Departure
- Expected Receipt Date
- Bill of Lading Information
- Vessel
- Container Tracking Information

Purchase lines from one or multiple purchase orders can be added to a container and from this point forward any changes to the container, such as amending the expected receipt date, will also be reflected in the related purchase documents.

If internal purchasing resources are planning the container shipments, then capacity can be estimated based on item information and the size of the container selected.

### Landed Costs

Landed costs can be managed by the application using Dynamics NAV's item charges functionality to represent additional costs such as freight and customs charges. Item charges can be entered either on related purchase documents or managed on invoices from third-party suppliers such as freight forwarders.

Item charges can be applied to individual product lines or a container as a whole and cost shares can be automatically calculated based on item volume, net weight, gross weight, quantity or value.

Item charges have been further extended so landed costs can be included within the expected cost of an item. These means that expected margins are far more visible across the application.

Applies-to Doc. Type	Applies-to Doc. No.	Applies-to Doc. Line No.	Container No.	Item No.	Description	Qty. to Assign	Qty. Assigned	Amount to Assign	Qty. to Receive (Base)
Receipt	REC-0005	10000		ITEM008	Michael Kors Collins Small Satch...	0.21429		431.29	
Receipt	REC-0006	20000		ITEM004	Pocket Detail Shirt	0.02857		57.50	
Receipt	REC-0006	30000		ITEM004	Pocket Detail Shirt	0.02857		57.50	
Receipt	REC-0006	40000		ITEM004	Pocket Detail Shirt	0.05714		115.00	
Receipt	REC-0006	50000		ITEM004	Pocket Detail Shirt	0.05714		115.00	
Receipt	REC-0006	60000		ITEM004	Pocket Detail Shirt	0.04286		86.26	
Receipt	REC-0007	20000		ITEM001	Roll Neck Dress	0.02857		57.50	
Receipt	REC-0007	30000		ITEM001	Roll Neck Dress	0.04286		86.26	
Receipt	REC-0007	40000		ITEM001	Roll Neck Dress	0.08571		172.50	
Receipt	REC-0007	50000		ITEM001	Roll Neck Dress	0.08571		172.50	
Receipt	REC-0007	60000		ITEM001	Roll Neck Dress	0.08571		172.50	
Receipt	REC-0007	70000		ITEM001	Roll Neck Dress	0.02857		57.50	
Total (Qty.):						Assignable 1	To Assign 1	Rem. to Assign 0	
Total (Amount):						2,012.63	2,012.63	0	

### Free on Board

Depending on contracts, ownership of goods can happen at different points in the supply chain. With 'Free on Board' ownership of goods can be passed from supplier to purchaser at the point of departure or whilst goods are on the sea. Traditionally goods procured this way will not be reflected in the inventory value or accounts until they are physically received into the warehouse.

The 'Free on Board Receipt' functionality allows ownership of the goods to be passed on at any point in time. These goods will be reflected in the inventory valuation and, optionally, in the financial reporting whilst still not showing as available inventory until, the estimated date of receipt into the warehouse. A true warehouse receipt can still be undertaken at the point the container arrives at the warehouse.

### Warehousing

Container management integrates with the standard Dynamics NAV warehousing functionality allowing a single warehouse receipt to be created per container irrespective of the number of source documents included within the container contents. Regular updates to the status and expected receipt date of the container also allows warehouse operatives greater visibility to the expected arrival of a container to warehouse capacity and work patterns can be accessed accurately.



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eBECS is a specialist in total Microsoft Business Solutions, designing and delivering Lean and agile solutions globally for customers in Manufacturing, Distribution, Retail, Services, Not-for-profit and other sectors.

Tailored to industry and business needs, eBECS' award-winning solutions cover Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Mobile, Field Service, Data Analytics, Business Intelligence (BI), the Internet of Things (IoT), and Cloud and Managed Services. eBECS' solutions draw on the full Microsoft Business stack, including Microsoft Dynamics AX and NAV, Microsoft Dynamics CRM, Microsoft FieldOne, SharePoint Office 365, Microsoft BI and Power BI, Power Apps, and Microsoft Azure.

Just as importantly, eBECS' 'templated' implementation and unique rapid-return methodologies deliver significant time and cost benefits to its customers

## For more information

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