



Warehouse Shipping Automation For Dynamics NAV 5.0 SP1

457 Palm Drive
Glendale, CA 91202
818-956-3744
818-956-3746
sales@iigservices.com

www.iigservices.com

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Introduction

Shipping Automation enhancement fully integrates Dynamics NAV Accounting System with CPS (Computerized Parcel System) and Malvern (Malvern Manifest System) carrier automation systems.

The **Shipping Automation** enhancement supports the following functionalities:

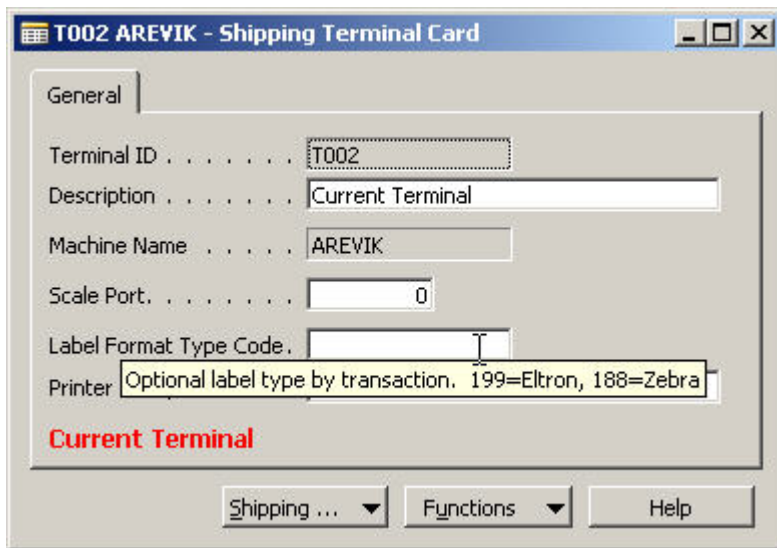
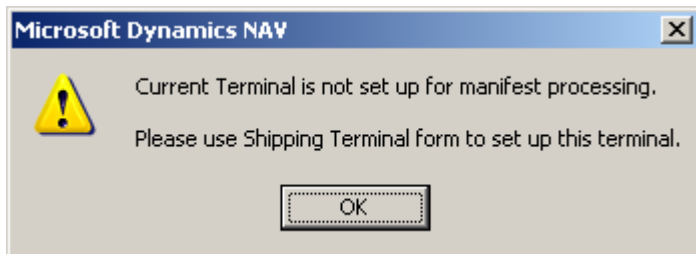
- Multi-Package processing
- CPS and Malvern Manifest Processing from Dynamics NAV Accounting System
- Rate Shop (only for Malvern)
- Creating Boxes (Packages) for Sales Shipment Line
- Closing Carriers in the Malvern Manifest System (only for Malvern)
- Box (Package) processing:
 - Rating
 - Shipping (the Freight and Tracking Numbers for corresponding Package are obtained from CPS and Malvern program)
 - Voiding

Shipping Automation Setup

Shipping Terminal Card

The **Shipping Terminal Card** form has been added to the **Sales & Marketing > Setup** section to define how each shipping terminal interfaces with freight packages.

If no terminal is specified here, then a corresponding message box will be displayed during Manifest Processing.



To create current terminal use the **Set Current Terminal** (or hit **Shift+Ctrl+T**) menu item under the **Functions** menu button. If the selected terminal is current, “Current Terminal” message will be displayed at the bottom of the screen in red.

Terminal ID – identifies the workstation

Description – a note field describing the terminal’s physical location

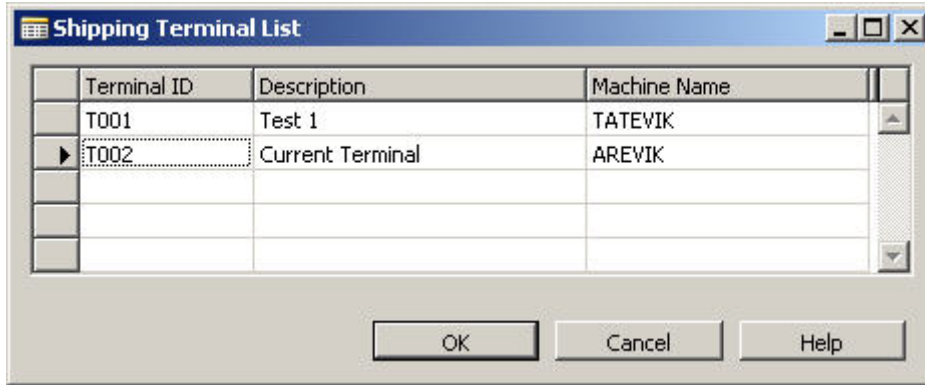
Machine Name – displays current machine’s network name.

Scale Port – the Port number is specified to which Scale is connected?

Label Format Type Code – enter a code that is used during Label printing (specify numbers for corresponding printers: 199=Eltron, 188=Zebra).

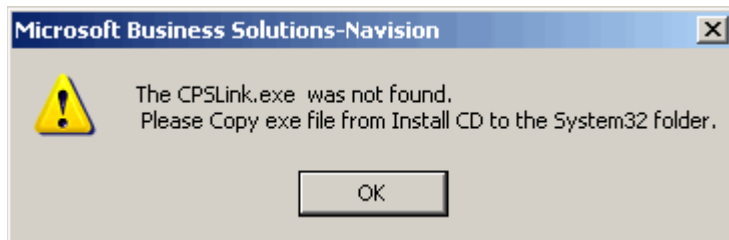
Printer UNC path – the temporary folder is specified where temporary file with Label formatting information is created during Labels printing and sent to printer.

Click the **List** menu item under the **Shipping Terminal** menu button to see the list of existing Terminals.

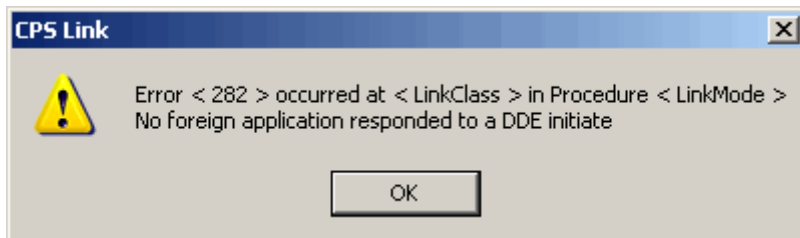


CPS Setup

For setting up CPS (Computerized Parcel System), you should copy CPSLink.exe file from Install_CD to the System32 folder of your system. Otherwise, the following error message will be displayed during manifesting transaction.

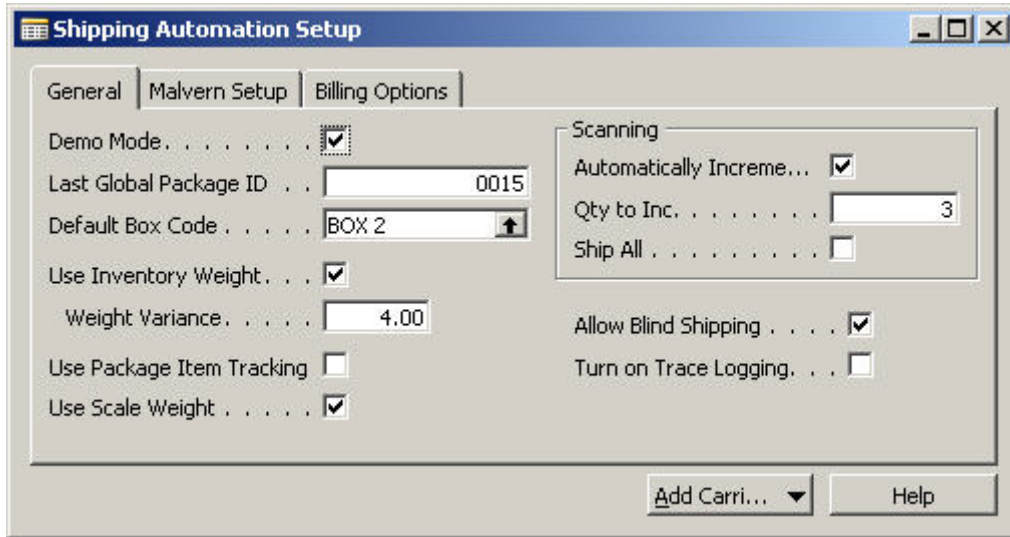


In order to perform manifesting, the CPS Daily Entry program must be run. If it is not running, the following error message will be displayed during transaction to CPS.



Shipping Automation Setup

The **Shipping Automation Setup** form has been added to the **Sales & Marketing > Setup** section.



Demo Mode –If selected, the program will automatically generate Tracking Number and Freight Amount for the Packages. If not, either CPS or Malvern will be used for manifesting transactions or the user will set them manually.

Last Global Package ID – Enter the number which will be used to assign numbers to the packages in the **Last Global Package ID** field. It shows the last digit that has been assigned.

Default Box Code – Values entered in **Default Box Code** will be defaulted on the Packages.

Use Inventory Weight – If the **Use Inventory Weight** check box is selected, then as many lines must be created during manifesting as many packages there are. The **Weight** field in the **IIG Manifest Generation** form will display corresponding value of the Package created from the Order. Otherwise, if this check box is not selected, the user can manifest lines not depending on package quantities. And if not selected, the **Weight** in the **IIG Manifest Generation** form must be entered manually.

Weight Variance – If the **Use Inventory Weight** check box is selected, this field will be editable.

Use Package Item Tracking – If this check box is not selected, then checking for Item Tracking Distribution in the packages will not be performed.

Use Scale Weight – If this check box is selected, then while entering manifesting line the Scale Weight will be taken.

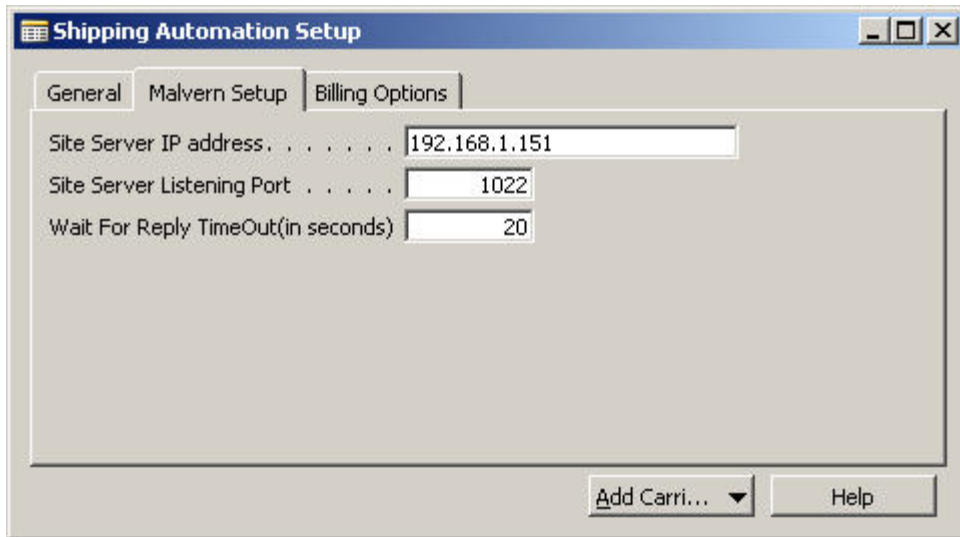
Automatically Increment Qty to Ship – If selected, Item scanning functionality will be enabled in Sales Shipment.

Qty to Inc. – Specify quantity to increment Qty to ship during each Item scanning on the Sales Shipment form.

Ship All – If checked, the program will set the Qty to Ship equal to Qty to Order during each Item scanning on the Sales Shipment form.

Allow Blind Shipping – If checked, the program will allow shipping manifest without a return address.

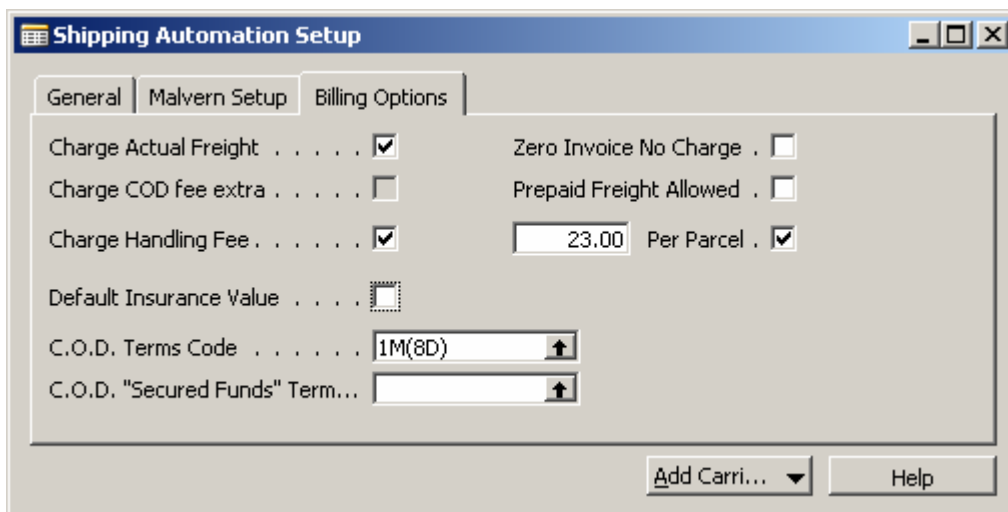
Turn on Trace Logging – This is a check box to activate the freight transaction logging between Dynamics NAV and the freight package. Also it saves log in the current PC (only for Malvern).



Site Server IP address – Enter IP address of the Computer where Malvern Site Server is installed in the **Site Server IP address** field.

Site Server Listening Port – The port used by Malvern Manifest System is specified in the **Site Server Listening Port** field.

Wait For Reply TimeOut (in seconds) – Enter the waiting time for reply from Malvern in the **Wait For Reply Timeout (in seconds)**.



Charge Actual Freight – This option is only available if **Charge COD fee extra?** is not selected. Select this check box to charge actual freight. If this check box is not selected, the **Zero Invoice No Charge?** and **Prepaid Freight Allowed?** options will be disabled.

Zero Invoice No Charge? – This check box triggers the system to check if the shipment value is zero (for a sample or no charge exchange), then if checked the system does not charge freight.

Prepaid Freight Allowed? – This check box allows for prepaid freight.

Charge COD fee extra? – This option is only available if **Charge Actual Freight** is not selected. This adds the cost of the COD fee (which is not a freight charge) to the freight field of the invoice.

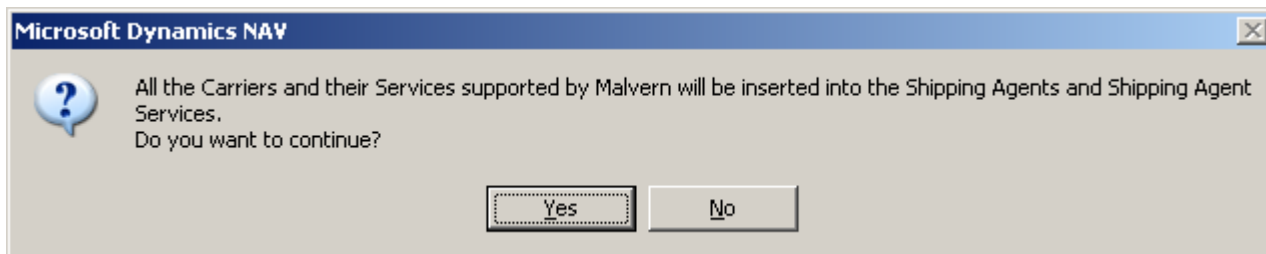
Charge Handling Fee? – If checked, this option enables a numeric field for the amount of the handling fee.

Per Parcel? – If checked, the handling fee is added per box. If not checked, the handling fee is per order.

Default Insurance Value? – If checked, the value of the box will be computed using the item price (not cost) and if the value of the box is greater than \$99.99 will set the insurance value to the computed amount. The carrier will automatically add the insurance amount to the calculated fee. If the box value is less than \$100.00, the system will automatically turn off the insurance flag regardless of this default setting.

C.O.D. Terms Code – This is the A/R terms code for Collect On Delivery (Company Check Okay). The system will use this and Secured Funds terms codes to automatically pass to the carrier package the freight charge to include in the C.O.D. label amount.

Click the **Malvern** menu item under the **Add Carriers** menu button to insert all the carriers and their services supported by Malvern into the shipping agents and shipping agent services. The following message box will be displayed:



Click **Yes** to continue, or **No** to interrupt the process.

Shipping Agents

The **Shipping Interface** and **Carrier Code** columns have been added to the **Sales & Marketing > Order Processing > Setup > Shipping Agents** form. Here user can define different Shipping Agents with proper Shipping Interfaces and Carrier Codes.

Code	Name	Shipping I...	Carrier Code	Internet Address
ARB M	Airborne/DHL (Legacy)	Malvern	ARB	
DAH M	DHL@Home	Malvern	DAH	
DHL		Malvern		
DHL M	DHL (XML)	Malvern	DHL	
FDX M	Federal Express	Malvern	FDX	
LTL M	Less Than Truckload	Malvern	LTL	
MMM	manual	Manual		
SPE M	SpeeDee Delivery	Malvern	SPE	
UPS C	UPS for CPS	CPS	UPS	
UPS M	United Parcel Service	Malvern	UPS	

Select **Shipping Agent Services** menu item under the **Line** menu button to define services of current Shipping Agent.

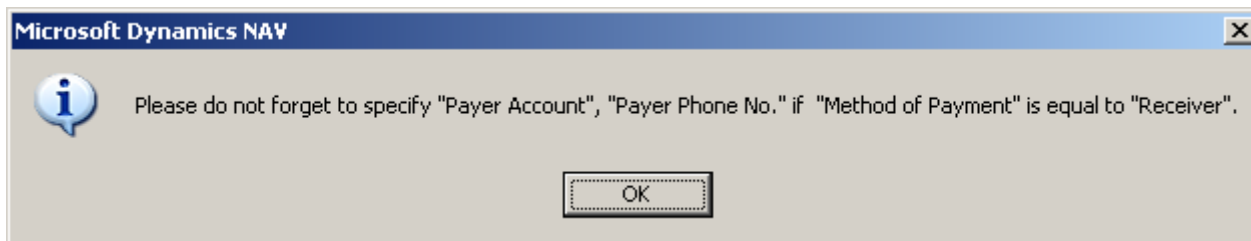
Code	Description	Shipping ...	Base Cal...	Include I...
BPM	Bound Printed Matter			
EXP	Express Mail			
LIB	Library			
MED	Media Mail			
PPT	Parcel Post			
PRT	Priority Mail			
1CL	First Class Mail			

Customer Card

The **Method of Payment** drop down menu with corresponding **Payer** information, as well as **Prepaid Freight**, **Single COD**, **Blind Shipment** and **Residential Address** check boxes have been added to the **Shipping** tab of **Customer Card**.

The screenshot shows the 'Shipping' tab of the 'Customer Card' window. The 'Method of Payment' is set to 'Shipper'. The 'Prepaid Freight', 'Single COD', 'Blind Shipment', and 'Residential Address' checkboxes are checked. The 'Payer Account' and 'Payer Phone No.' fields are empty.

If the **Method of Payment** is set to **Receiver** or **Third Party**, the following message box will be displayed to remind for specifying the **Payer Account** and **Payer Phone No.** fields.



The **Prepaid Freight**, **Single COD**, **Blind Shipment** and **Residential Address** check boxes will be defaulted on Sales Order.

If the **Single COD** box is checked, then only one COD fee will be charged to the customer.

Note: Use of this is solely the shipper's responsibility, as the Customer receiving the product can refuse the COD box and accept the rest of the boxes.

Shipping Processing

Sales Order Shipping

The **Blind Shipment** and **Residential Address** check boxes have been added to the **Shipping** tab. During manifesting, the values of those fields will be passed to Malvern.

The screenshot shows a software window titled "1019 The Cannon Group PLC - Sales Order". It has several tabs: General, Invoicing, Shipping, Foreign Trade, E - Commerce, and Prepayment. The "Shipping" tab is active. The form contains the following fields:

- Ship-to Code: []
- Ship-to Name: The Cannon Group PLC
- Ship-to Address: 192 Market Square
- Ship-to Address 2: []
- Ship-to City: Atlanta
- Ship-to State / ZIP Code: GA 31772
- Ship-to Contact: Mr. Andy Teal
- Ship-to UPS Zone: []
- Blind Shipment:
- Residential Address:
- Location Code: BLUE
- Outbound Whse. Han...: []
- Shipment Method Code: EXW
- Shipping Agent Code: UPS M
- Shipping Agent Servic...: 1DY
- Shipping Time: []
- Late Order Shipping:
- Package Tracking No.: []
- Shipment Date: 01/28/10
- Shipping Advice: Partial

Customer Information sidebar:

- Sell-to Customer: []
- Ship-to Addresses: (2)
- Contacts: (5)
- Sales History
- Bill-to Customer
- Avail. Credit: 0

T..	No.	Description	Location ...	Quantity	Unit of M...	Unit P...	Qty. to Ship	Quantity S...	Qty. to
I...	1000	Bicycle	BLUE	4	PCS	4,000.00			
I...	1001	Touring Bicycle	BLUE	5	PCS	4,000.00			
I...	70061	Serial Item	BLUE	2		2,000.00			

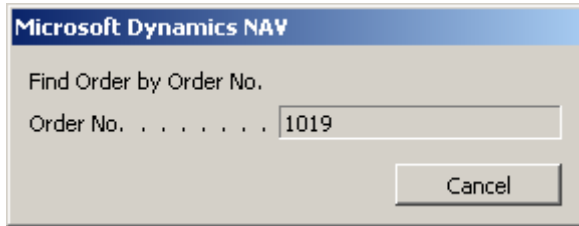
Item Information sidebar:

- Item Card: []
- Availability: (-22)
- Substitutions: (0)
- Sales Prices: (0)
- Sales Line Di...: (0)

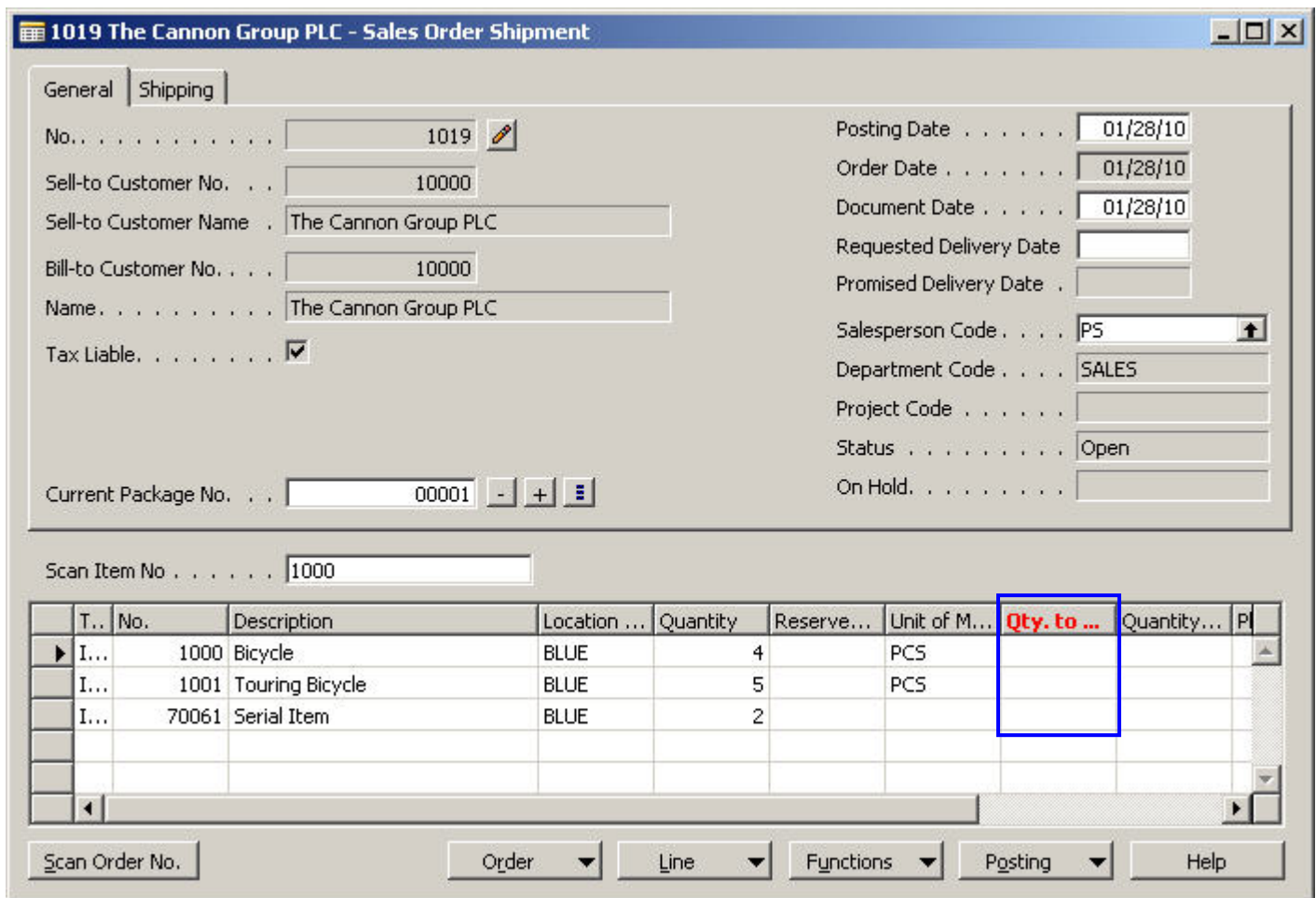
Buttons at the bottom: Order, Line, Functions, Posting, Print, Help.

When specifying quantities for the Items, the value of **Qty to Ship** field is set to 0 if the **Automatically Increment Qty to Ship** check box is selected in the **Shipping Automation Setup** form. **Qty to Ship** can be added manually or will be filled by scanning the Items from the **Sales Order Shipment** form.

In the **Sales Order Shipment** form, when the focus is on the **No.** field, the desired Order No can be opened by standard Dynamics NAV searching functionality or using the newly added **Scan Order No.** command button.



Scan Item No in the corresponding field which will be editable if the **Automatically Increment Qty to Ship** check box is selected in **Shipping Automation Setup**. The **Qty to Ship** of the specified Item will be incremented by the amount which is specified in the **Qty to Inc** field in **Shipping Automation Setup**.



The scanned items will be added to the package which is currently displaying in the **Current Package No** field. To change the current package, click **Decrement** or **Increment Current Package No** buttons near the field.

The screenshot shows a software window titled "1019 The Cannon Group PLC - Sales Order Shipment". It has two tabs: "General" and "Shipping". The "Shipping" tab is active. The window contains several input fields and a table.

Shipping Tab Fields:

- No.: 1019
- Sell-to Customer No.: 10000
- Sell-to Customer Name: The Cannon Group PLC
- Bill-to Customer No.: 10000
- Name: The Cannon Group PLC
- Tax Liab.:
- Posting Date: 01/28/10
- Order Date: 01/28/10
- Document Date: 01/28/10
- Requested Delivery Date: (empty)
- Promised Delivery Date: (empty)
- Salesperson Code: PS
- Department Code: SALES
- Project Code: (empty)
- Status: Open
- On Hold: (empty)

Current Package No.: 00001 (with - + and menu buttons)

Scan Item No.: (empty)

T..	No.	Description	Location ...	Quantity	Reserve...	Unit of M...	Qty. to ...	Quantity...	P
I..	1000	Bicycle	BLUE	4		PCS	3		
I..	1001	Touring Bicycle	BLUE	5		PCS			
I..	70061	Serial Item	BLUE	2					

Buttons: Scan Order No., Order, Line, Functions, Posting, Help

The **Complete Shipment** menu item under the **Functions** menu button is used for finishing with all non-scanned quantities. If the **Ship All** check box has been selected in **Shipping Automation Setup**, then by default the **Qty to Ship** column will be populated with corresponding amounts from the **Quantity** column.

The **Cancel Shipment** menu item under the **Functions** menu button nullifies all Qty-s to Ship.

1019 The Cannon Group PLC - Sales Order Shipment

General | Shipping

No. 1019

Sell-to Customer No. 10000

Sell-to Customer Name The Cannon Group PLC

Bill-to Customer No. 10000

Name The Cannon Group PLC

Tax Liab.

Posting Date 01/28/10

Order Date 01/28/10

Document Date 01/28/10

Requested Delivery Date

Promised Delivery Date

Salesperson Code P5

Department Code SALES

Project Code

Status Open

On Hold.

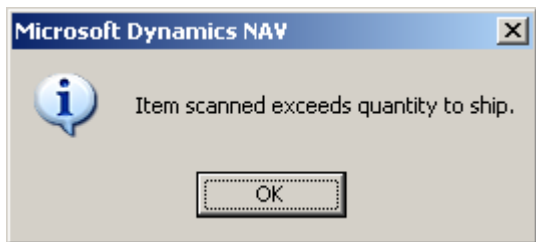
Current Package No. 00001 - +

Scan Item No

T..	No.	Description	Location ...	Quantity	Reserve...	Unit of M..	Qty. to ...	Quantity...	P
I..	1000	Bicycle	BLUE	4		PCS	3		
I..	1001	Touring Bicycle	BLUE	5		PCS	4		
▶ I..	70061	Serial Item	BLUE	2			2		

Scan Order No. | Order | Line | Functions | Posting | Help

If more Items are being scanned than allowed, the following dialog is displayed:



Click the **Packages** command button or select **Packages** menu item under the **Order** menu button to view/change the Packages' contents.

Item No.	Quantity	Description
1000	3.00	Bicycle
1001	4.00	Touring Bicycle
70061	2.00	Serial Item

Package No. 00001 Box Code BOX 2
Weight Factor 0.02
Package Weight 50.00

Buttons: Packages, Line, Functions, Help

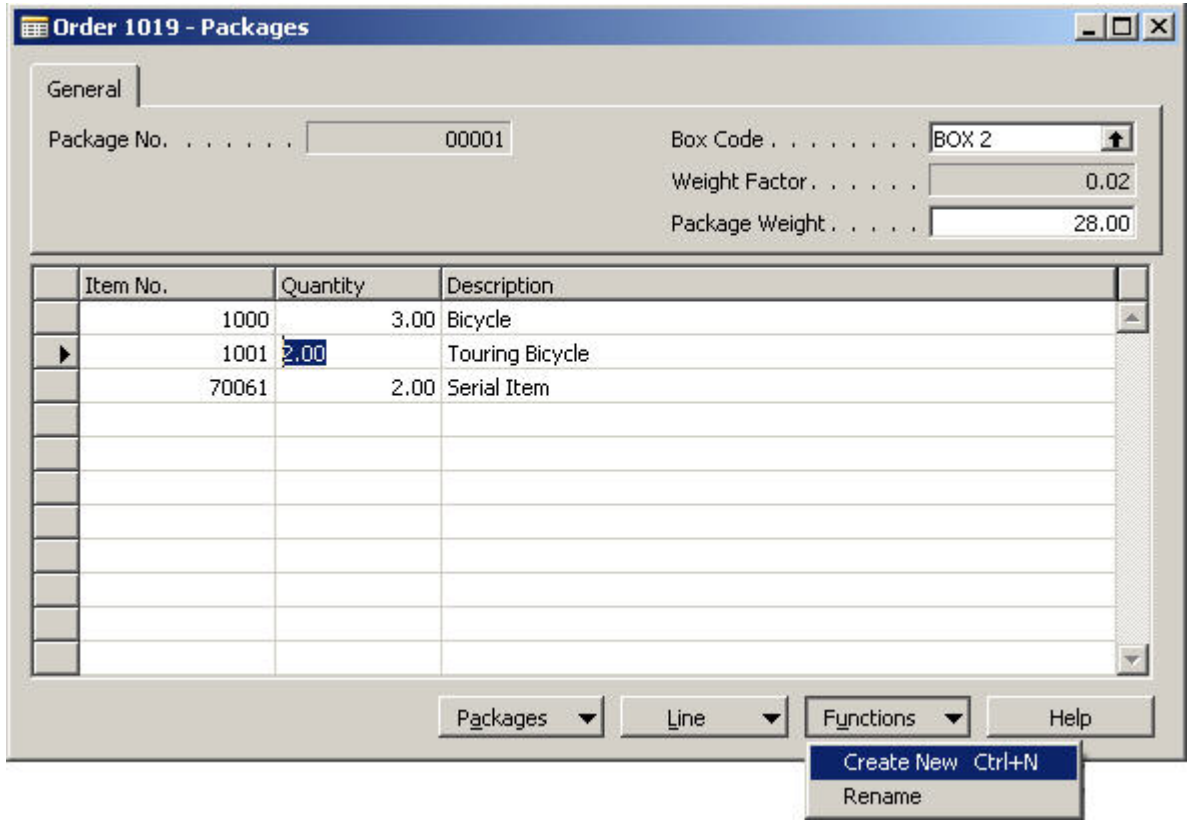
By selecting the **Item Tracking Lines** menu item under the **Line** menu button, a form will be opened to display the list of Tracking Lines with their Quantities of current Serial\Lot Item (line 3 in this example).

In the opened Package **Item Tracking Lines** form the user has to distribute the Serial\Lot Nos manually.

Serial No.	Lot No.	Quantity
SN00030		1.00
SN00031		1.00

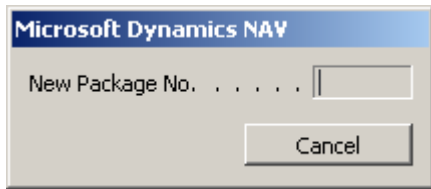
Help

In our example 3 packages have been created. In the first 00001 package, the quantity of second item has been reduced and added its rest quantities to the newly created packages.

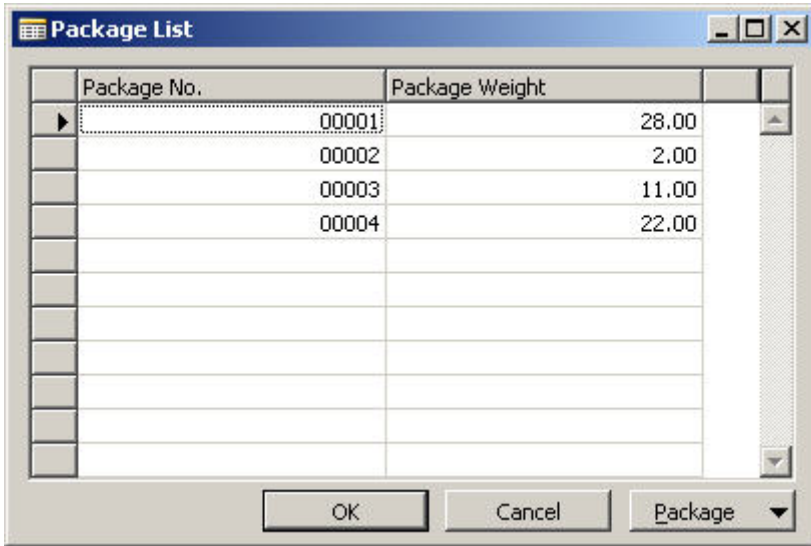


The **Create New** menu item under the **Functions** menu button allows creating new Packages.

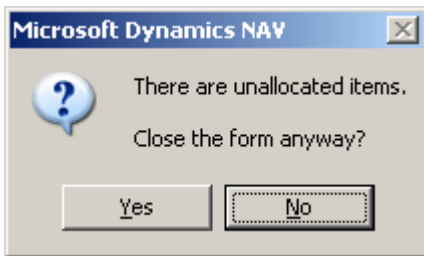
The **Rename** menu item under the **Functions** menu button allows renaming current Package. A dialog box will be opened where you can specify the new name.



By selecting the **List** menu item under the **Packages** menu button, a form will be opened to display the list of Packages with their Weights.



When closing the **Packages** form, the following message box is displayed if there are unallocated Items:

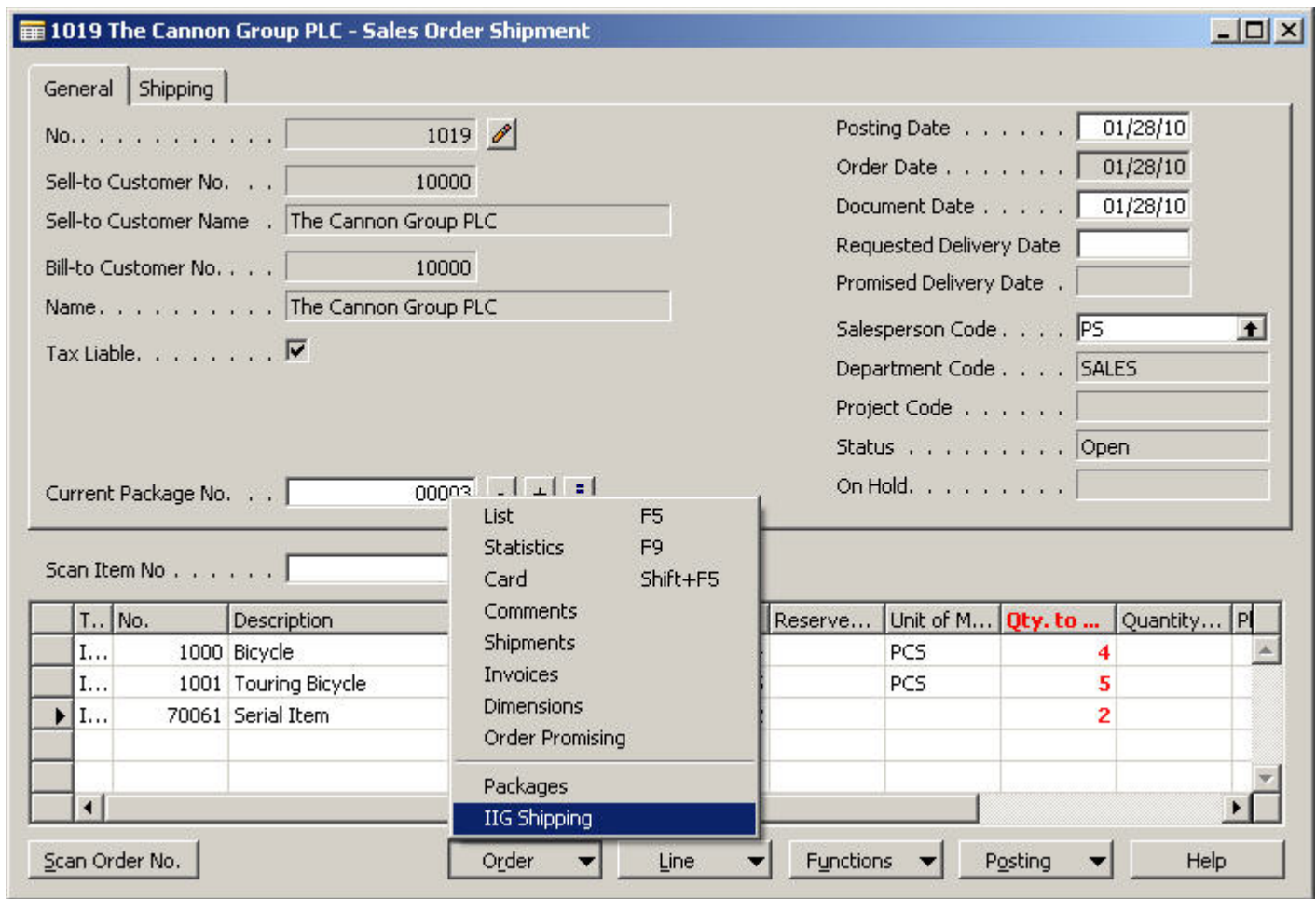
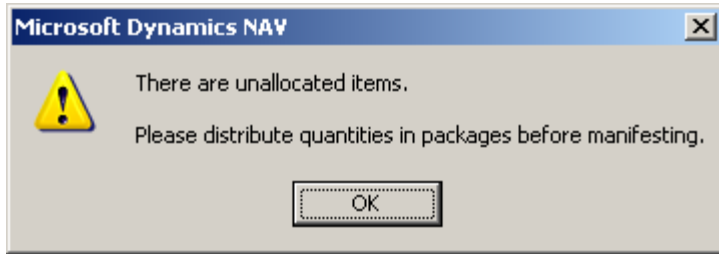


*Note: All the functionality related to Packaging described for **Sales Order Shipment** is available also for **Sales Order**.*

Shipping Manifest Processing

The **IIG Shipping** menu item has been added under the **Order** menu button of **Sales Order Shipment** (also **Sales Order**).

If the **Use Inventory Weight** check box is selected in **Shipping Automation Setup**, then if there are unallocated Items (in other words the quantities of packages do not match the Qty to Ship) the following message box will be displayed when clicking the **IIG Shipping** menu item under the **Functions** menu button from **Sales Order** form.



If the **Use Inventory Weight** check box is selected in **Shipping Automation Setup**, then in the **IIG Manifest Generation** form a separate line must be created for each Package of the Order. The **Weight** field will be populated from corresponding Package again if **Use Inventory Weight** is checked. If **Scale Port** is specified on the Shipping Terminal, then **Weight** will be taken from that Scale during entering line.

Package No.	Weight	O	S	A	H	Freight	Tracking Number	Box Dimension Code	Length	Width	Height	Shipping Agent...	Service Code	Global Packag...
00001	28.00					0.00		BOX 2	3	3	3	UPS M	1DY	0015
00002	2.00					0.00		BOX 2	3	3	3	UPS M	1DY	0016
00003	11.00					0.00		BOX 2	3	3	3	MMM		0017
00004	22.00					0.00		BOX 2	3	3	3	UPS M	1DY	0018

The **Ship** button will activate only when lines are created for all the Packages.

The **Shipping Agent Code** and **Service Code** fields are loaded by default from the **Sales Order** and can be changed for current package.

The **Total Parcel** field on the header displays the amount of Parcels of current Order.

The **Total Weight** field on the header displays total Weight of current Order.

The **Total Freight** field on the header displays total Freight of current Order.

Click the **Package No** lookup to see the list of all packages.

Package No and **Box Dimension Code** fields are also populated from corresponding Packages. **Global Package** is loaded by default from the **Shipping Automation Setup**.

Ship To Address and **Shipping Options** menu items are available under the **Shipment** menu button.

1019 The Cannon Group PLC - IIG Manifest Ship To Address

Document Type/No.

Customer No./Name

Contact

Ship To Address

Name

Address

State/Zip Code . . .

City

Country Code . . .

Third Party Payer

Payer Account . . .

Payer Name

Payer Address . . .

Payer Address . . .

Payer Address 2 . .

Payer Address 2 . .

State/Zip Code . . .

Payer City

1019 The Cannon Group PLC - Special Shipping Options

Shipping Options

Delivery Period. . . .

Method of Payment . .

Payer Account

Payer Name

Payer Address

Payer Address 2 . . .

Payer City

Payer State/Zip Code

Payer Phone No. . . .

Confirmation of Delivery or AOD

Confirmation™ number

Registered Mail

Signature Delivery . .

Date Certain Delivery .

Evening Delivery . . .

Appointment Delivery .

Residential Address . .

Single COD

The **Load Weight** and **Rate Shop** menu items are available under the **Functions** menu button of the **IIG Manifest Generation** form.

Select the **Load Weight** function to simplify the allocation of parcels. The **IIG Bulk Parcels Processing** form will be displayed.

Order Data			
Order No.	1019	Customer No./ Name	10000 The Cannon Group PLC
Total Parcels	4	Allocated Parcels	4
		Unallocated Parcels	0
Total Weight	63.00	Allocated Weight	63.00
		Unallocated Weight	0.00

Parcel Template			
Parcel Weight	0.00	Box Type	BOX 2
		Number of Cartons to Generate	0
Insurance Value	0.00	Box Length	3
		Additional Handling?	<input type="checkbox"/>
COD Amount	0.00	Box Width	3
Oversized?	N	Box Height	3

Total Parcels and **Total Weight** values entered in the **Manifest** can be changed here.

The **Allocated Parcels** displays the number of already allocated parcels.

The **Allocated Weight** displays the total weights of already allocated parcels.

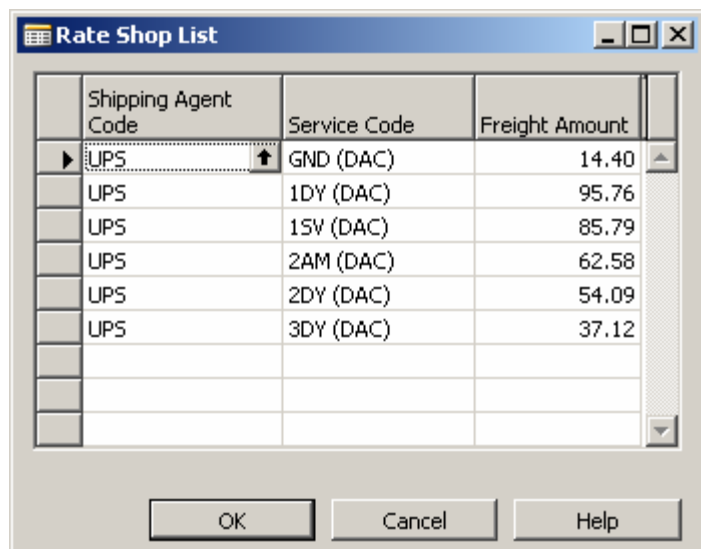
Enter **Parcel Weight**, select **Box Type** and enter the **Number of Cartons to Generate** to be able to allocate multiple parcels at once.

Click the **Generate** button to generate parcels with the selected settings.

By selecting the **Box Type** and clicking the **Split Evenly** button you can create parcels for the weight not allocated yet. The program will automatically create the necessary number of parcels of the selected **Box Type** to allocate the **Unallocated Weight**.

All fields become display-only after splitting the weights.

By clicking on the **Rate Shop** menu item under the **Functions** menu button, the **IIG Rate Shop** look up form will be opened to show generated rates for multiple carriers and their service codes for current Parcel weight. You can add the selected Shipping Agent Code and Service to the current manifesting line.



Shipping Agent Code	Service Code	Freight Amount
UPS	GND (DAC)	14.40
UPS	1DY (DAC)	95.76
UPS	1SV (DAC)	85.79
UPS	2AM (DAC)	62.58
UPS	2DY (DAC)	54.09
UPS	3DY (DAC)	37.12

Click the **Load Packages** menu item under the **Functions** menu button to load all packages into **IIG Manifest Generation** form.

Click the **Delete Packages** menu item under the **Functions** menu button to delete all packages from **IIG Manifest Generation** form.

The **Void**, **Rate** and **Ship** command buttons are available on this form.

IIG Manifest Generation

Terminal ID T002 Shipping Agent Code . . . UPS M
 Document No. 1019 Service Code 1DY
 Customer No. 10000 Total Parcels 4
 Customer Name The Cannon Group PLC Total Weight 63.00
 C.O.D. Total Freight 0.00
 Insured 0.00

Package No.	Weight	O/S	A/H	Freight	Tracking Number	Box Dimension Code	Length	Width	Height	Shipping Agent...	Service Code	Global Packag...
00001	28.00			0.00		BOX 2	3	3	3	UPS M	1DY	0015
00002	2.00			0.00		BOX 2	3	3	3	UPS M	1DY	0016
00003	11.00			0.00		BOX 2	3	3	3	MMM		0017
00004	22.00			0.00		BOX 2	3	3	3	UPS M	1DY	0018

Transaction ID . 1019_0017 Tracking Number Shipping Freight. 0.00
 Error Msg.

Shipment Functions Void Rate Ship

Use **Rate** command button to generate rates for each line in the Manifesting.

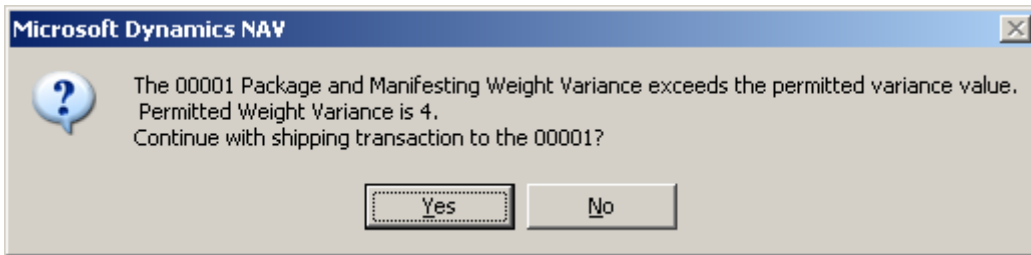
IIG Manifesting List

Package No.	Weight	O/S	A/H	Declar...	COD ...	Freight	Box Di...	Height	Width	Length
00001	28.00			0.00	0.00	161.04	BOX 2	3	3	3
00002	2.00			0.00	0.00	60.71	BOX 2	3	3	3
00004	22.00			0.00	*****	152.19	BOX 2	3	3	3

Help

Ship command button allows processing complete shipping of a package (including printing a carrier dependent on Shipping Automation Setup). This button will activate only when lines are created for all the Packages if the **Use Inventory Weight** check box is selected in **Shipping Automation Setup**.

The following confirmation message will be displayed if the difference between Package Weight and the Weight specified in **IIG Manifesting** form is more than it is specified in the **Weight Variance** field of **Shipping Automation Setup**. This functionality will work if the **Use Inventory Weight** check box is selected in **Shipping Automation Setup**.



If **Ship** transaction is completed successfully, the lines become bold and the user is unable to change anything. Otherwise, the line becomes red and an error message is displayed in the **Error Message** field.

Terminal ID T002

Document No. 1019

Customer No. 10000

Customer Name The Cannon Group PLC

C.O.D.

Insured 0.00

Shipping Agent Code . . UPS M

Service Code 1DY

Total Parcels 4

Total Weight 63.00

Total Freight 222.75

Package No.	Weight	O	A	Freight	Tracking Number	Box Dimension Code	Length	Width	Height	Shipping Agent...	Service Code	Global Packag...
00001	28.00			161.04	124E67W1010000...	BOX 2	3	3	3	UPS M	1DY	0015
00002	2.00			60.71	124E67W1010000...	BOX 2	3	3	3	UPS M	1DY	0016
00003	11.00			1.00	01	BOX 2	3	3	3	MMM		0017
▶ 00004	22.00			0.00		BOX 2	3	3	3	UPS M		0018

Transaction ID . 1019_0018 Tracking Number Shipping Freight. 0.00

Error Msg. . . . 001008 - Service level missing.

Shipment ▼ Functions ▼ Void Rate Ship

IIG Manifest Generation

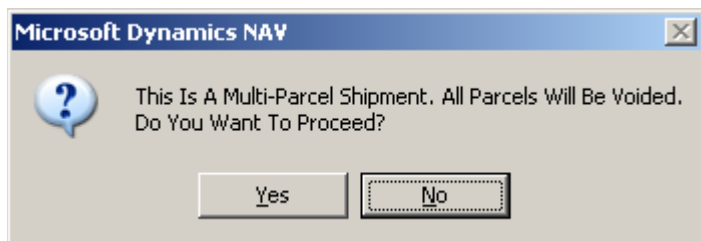
Terminal ID T002	Shipping Agent Code . . . UPS M
Document No. 1019	Service Code 1DY
Customer No. 10000	Total Parcels 4
Customer Name The Cannon Group PLC	Total Weight 63.00
C.O.D. <input checked="" type="checkbox"/>	Total Freight 374.94
Insured <input type="checkbox"/> 0.00	

Package No.	Weight	O S	A H	Freight	Tracking Number	Box Dimension Code	Length	Width	Height	Shipping Agent...	Service Code	Global Packag...
00001	28.00			161.04	124E67W1010000...	BOX 2	3	3	3	UPS M	1DY	0015
00002	2.00			60.71	124E67W1010000...	BOX 2	3	3	3	UPS M	1DY	0016
00003	11.00			1.00	01	BOX 2	3	3	3	MMM		0017
▶ 00004	22.00			152.19	124E67W1590000...	BOX 2	3	3	3	UPS M	1DY	0018

Transaction ID . 1019_0018 Tracking Number 124E67W15900000292 Shipping Freight. 152.19
 Error Msg.

Shipment ▼ Functions ▼ Void Rate Ship

If Manifesting has been completed successfully, the **Void** button becomes enabled to allow voiding packages. Packages can be voided only before closing the carrier for the day the package has been processed. The following message will be displayed during Void transaction:



If the **Demo Mode** check box is selected in **Shipping Automation Setup**, then by clicking the **Ship** command button the system will generate and add Tracking Numbers and Freight Amounts automatically for each Package. In **Demo** mode only Ship and Void transactions will be available.

For **Manual Shipping Interface** click the **Ship** command button to specify **Tracking Number** and **Freight Amount** for each Package.

After successfully manifesting generation, total freight amount (taking into account also Billing Options specified on the **Shipping Automation Setup** form) of all packages on the Manifesting will be added to the Sales Order.

T.	No.	Description	Location	Quantity	Unit of M.	Unit P.	Qty. to Ship	Quantity S.	Qty. to
I...	1000	Bicycle	BLUE	4	PCS	4,000.00	4		
I...	1001	Touring Bicycle	BLUE	5	PCS	4,000.00	5		
I...	70061	Serial Item	BLUE	2		2,000.00	2		
G..	11200	Shipping Frei...	BLUE	1		686.94	1		

GL Account No. is taken from the **GL Freight Account No** field from **Sales & Receivables Setup**.

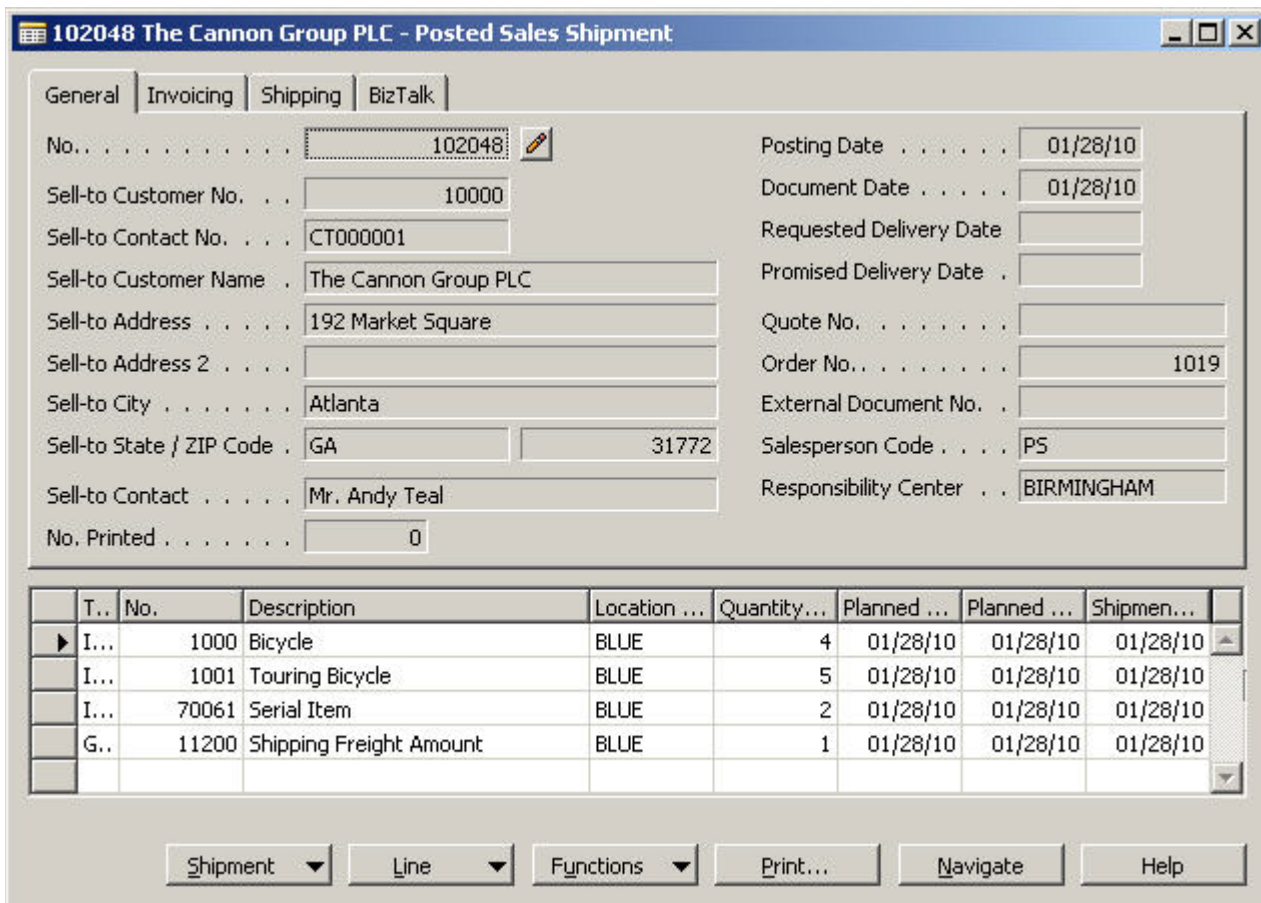
The Order cannot be deleted and the following error message will be displayed.



After posting Sales Order, its manifested lines can be viewed from the **Posted Sales Shipment** form.

IIG Shipped Lines History

The **Packages** and **IIG Shipping History** menu items has been added under the **Shipment** menu button of the **Posted Sales Shipment** form.



Select **Packages** menu item to see the Package history.

Package No.	Item No.	Quantity	Weight	Description
00001		0.00	0.00	
	1000	3.00	2.00	Bicycle
	1001	2.00	11.00	Touring Bicycle
	70061	2.00	0.00	Serial Item
00002		0.00	0.00	
	1000	1.00	2.00	Bicycle
00003		0.00	0.00	
	1001	1.00	11.00	Touring Bicycle
00004		0.00	0.00	
	1001	2.00	11.00	Touring Bicycle

Package Weight 28.00

Line Help

For serial Items, the **Item Tracking Lines** menu item under the **Line** menu button will lead the form displaying Package Item Tracking History.

Serial No.	Lot No.	Quantity
SN00030		1.00
SN00031		1.00

Help

Select **IIG Shipping History** menu item to see the manifesting history.

IIG Manifesting History

Document No. 102048
 Order No. 1019
 Sell-to Customer No. 10000
 Sell-to Customer Name . . . The Cannon Group PLC
 Shipment Date 01/28/10

Ship-to Name The Cannon Group PLC
 Ship-to Address 192 Market Square
 Ship-to Address 2
 Ship-to City Atlanta
 Ship-to State / ZIP Code . GA 31772
 Ship-to Contact Mr. Andy Teal

Package No.	Weight	Tracking Number	Freight	Box Type	Height	Width	Length	Shipping Agent...	Service Code
00001	28.00	1Z4E67W10100000300	161.04	BOX 2	3	3	3	UPS M	1DY
00002	2.00	1Z4E67W10100000319	60.71	BOX 2	3	3	3	UPS M	1DY
00003	11.00	1548525	221.00	BOX 2	3	3	3	MMM	
00004	22.00	1Z4E67W15900000327	152.19	BOX 2	3	3	3	UPS M	1DY

Help

Look up for **Package No.** column opens the **Package History** form to allow viewing the contents of each Package.

102048 - Package History

Package No.	Item No.	Quantity	Weight	Description
00001		0.00	0.00	
	1000	3.00	2.00	Bicycle
	1001	2.00	11.00	Touring Bicycle
	70061	2.00	0.00	Serial Item

Package Weight **28.00**

Line Help

The **Sales Shipment** report has been modified to print the Shipped lines of the order.

Print Preview

To: The Cannon Group PLC
Mr. Andy Teal
192 Market Square
Atlanta, GA 31772
USA

To: The Cannon Group PLC
Mr. Andy Teal
192 Market Square
Atlanta, GA 31772
USA

Ship Via Ex Warehouse

Customer ID 10000
P.O. Number
P.O. Date 01/28/10
Our Order No. 1019
SalesPerson Peter Sadow

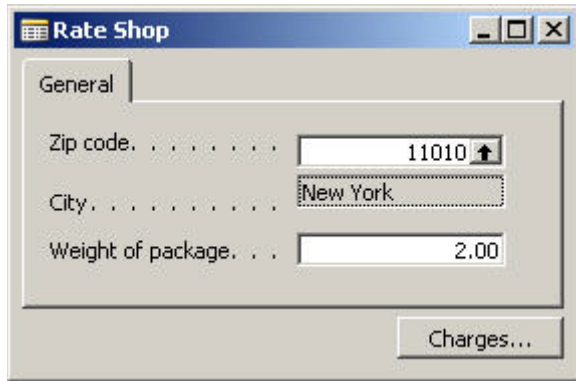
Item No.	Description	Unit	Shipped	Ordered	Back Ordered
1000	Bicycle	Piece	4	12	
1001	Touring Bicycle	Piece	5	15	
70061	Serial Item		2	6	
	Shipping Freight Amount		1	3	

Carrier Code	Service Code	Tracking Number	Weight	Freight	Transaction ID
UPS	1DY	1Z4E67W10100000300	28.00	161.04	1019_0019
UPS	1DY	1Z4E67W10100000319	2.00	60.71	1019_0020
		1548525	11.00	221.00	1019_0021
UPS	1DY	1Z4E67W15900000327	22.00	152.19	1019_0022

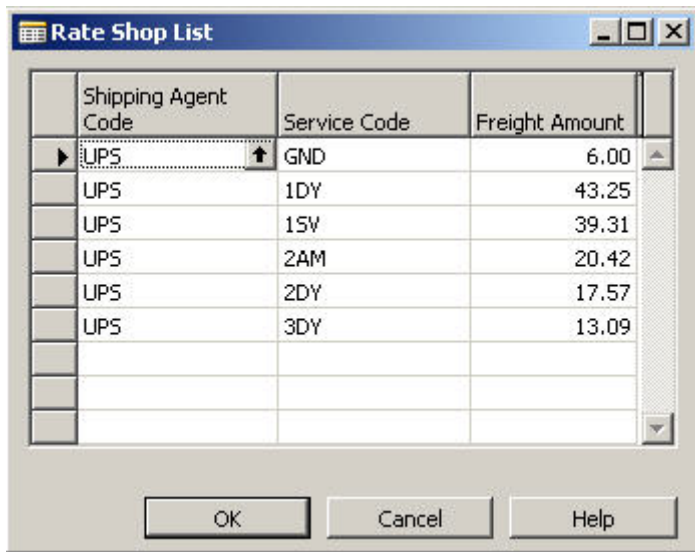
100% Page 1 Report generation completed (1 pages) Help

Shipping Rate Card (only for Malvern)

The **Shipping Rate Card** menu item has been added to the **Sales & Marketing > Order Processing** menu to allow generating rates for multiple carriers and their service codes, for the weight specified in the **Weight of Package** field.

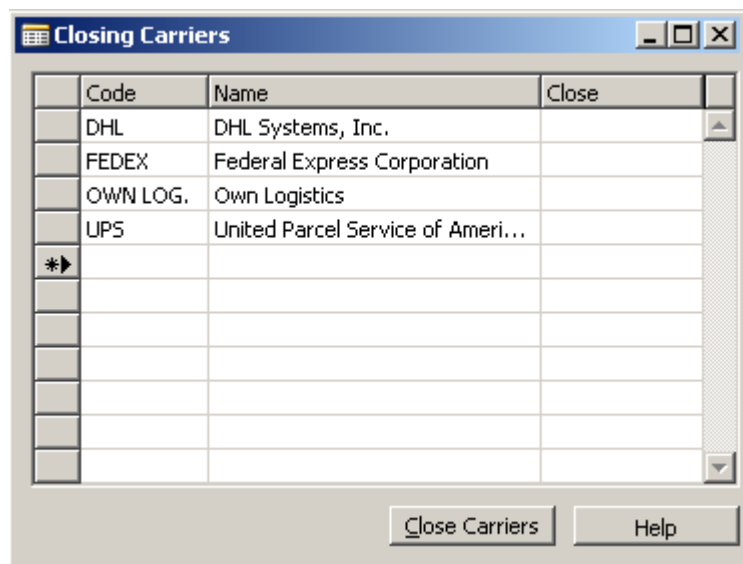


Click **Charges** after entering **Zip code** and **Weight of package**.



IIG Closing Carriers (only for Malvern)

The **IIG Closing Carriers** item has been added to the **Sales & Marketing > Order Processing** menu.



This transaction is used to close carriers. Carriers can be closed separately or all at once by selecting the Close check boxes for each Code.

Daily Report

The **Daily Shipment** report has been added to the **Sales & Marketing > Order Processing > Reports** menu to show Daily Manifest transactions sorted by **Carrier** and **Service Codes**.

Print Preview

Daily Shipment Report
CRONUS USA, Inc.

November 11, 2009 5:09 PM
Page 1

Carrier Code: UPS Service Code: 1DY

Shipment Date	Weight	Transaction ID	Tracking Number	Freight Amount
01/28/10	4.00	1020_0013	1Z4E67W10100000257	70.55
01/28/10	22.00	1020_0014	1Z4E67W15900000265	152.19
Totals: 2				222.74

Report generation completed (2 pages) Help

IIG Manifest History

The **IIG Manifest** form has been added to the **Sales & Marketing > History** menu which displays **Daily IIG** Manifesting transactions and transactions from **History** on the corresponding tabs.

Daily Manifesting transactions are shown by **Package No.**

History Manifesting Transactions are shown by **Shipment No.**

The screenshot shows a software window titled "IIG Manifest History" with two tabs: "Daily" and "History". The "Daily" tab is selected. The form contains the following fields:

Package No.	0005	Parcel	01/28/10
Document Type . . .	Order	Customer No.	10000
Document No.	1005		
Shipping Agent Code	UPS M	Ship-to Name	The Cannon Group PLC
Service Code	2DY	Name 2	
Total Weight	3.98	Address	192 Market Square
Total Freight	51.29	Address 2	
Contact	Mr. Andy Teal	City	Atlanta
Phone No.		State / ZIP Code . . .	GA 31772
		Country/Region Code	US
Tracking Number .	1Z4E67W17000000172		

A "Help" button is located at the bottom right of the window.

IIG Manifest History
_ □ ×

Daily
History

Shipment No.

Document No.

Order No.

Shipment Date

Customer No.

Shipping Agent Code

Service Code

Total Weight

Total Freight

Contact

Phone No.

Ship-to

Name

Name 2

Address

Address 2

City

State / ZIP Code . . .

Country/Region Code

	Global Package No.	Parcel	Weight	Tracking Number
▶	0019	00001/00003	28.00	1Z4E67W10100000300
	0020	00002/00003	2.00	1Z4E67W10100000319
	0021		11.00	1548525
	0022	00004/00003	22.00	1Z4E67W15900000327

Appendix A: CPS Carrier Setup

UPS Common Carrier Service	Code	Service
Next Day Early A.M.	@@15	UPS
Next Day Early A.M. Letter	@L15	
Next Day Air or Express	@@01	
Next Day or Express Letter	@L01	
Next Day Air Saver	@@13	
Next Day Air Saver Letter	@L13	
2nd Day Air A.M.	@@07	
2nd Day Air A.M. Letter	@L07	
2nd Day Air or Expedited	@@02	
2nd Day Air Letter	@L02	
3 Day Select Commercial	@@12	
3 Day Selected Residential	@R12	
Commercial Ground	@@03	
Residential Ground	@R03	

UPS Hundredweight Service

Next Day Air	@@01	UPH
Next Day Air Saver	@@13	
2nd Day Air A.M.	@@07	
2nd Day Air	@@02	
3 Day Select Commercial	@@12	
Commercial Ground	@@03	
Residential Ground	@R03	
3 Day Select Residential	@R12	

International UPS Shipment Service

Express	@@66 or @@01	UPW
Express Letter	@L66 or @@01	
Express 10 KG Box	@A66	
Express 25 KG Box	@B66	
Express Extended Area	@X66	
Express Extended Area Letter	@Y66	
Express Extended 10 KG Box	@C66	
Express Extended 25 KG Box	@D66	
Expedited	@@67 or @@02	
Expedited Extended Area	@X67	
Standard	@@68	
Express Plus	@@54	
Express Plus Letter	@L54	
Express Plus 10 KG Box	@A54	
Express Plus 25 KG Box	@B54	

Express Plus Extended @X54
 Express Plus Extended Letter @Y54
 Express Plus Extended 10 KG @C54
 Express Plus Extended 25 KG @D54

FedEx Domestic Service

Priority Overnight Service @@01
 Priority Overnight Letter @L01
 Standard Overnight Service @@13
 Standard Overnight Letter @L13
 First Overnight Letter @L15
 2Day Service @@02
 Express Saver Service @@08

FEX Note: No electronic upload available at present for FedEx.

RPS North America Service

2 Day Air Guaranteed	@@01	RPS
2 Day Residential	@R01	
3 Day Air Guaranteed	@@12	
3 Day Residential	@R12	
U.S. Commercial Ground	@@44	
U.S. Residential Ground	@R44	
Hawaii Deferred Air	@@44	
Hawaii Deferred Residential	@R44	
Hawaii Deferred Outer-Is	@@44	
Hawaii Residential Outer-Is	@R44	
Alaska Deferred Air	@@44	
Alaska Residential Deferred	@R44	
Alaska Rural Deferred	@@44	
Alaska Rural Residential	@R44	
PR Deferred Air	10	
PR Deferred Residential	R10	
Canada Ground	@@44	
Canada Residential Ground	@R44	
Mexico Deferred Air	@@44	
Mexico Deferred Residential	@R44	
Mexico Extended	@X61	
Mexico Extended Residential	@Z61	

USPS Domestic Service

Express Mail	@@01	USP
Priority Mail	@@02	
Parcel Post Machinable	@@03	
Parcel Post Non-Machinable	@@08	

Parcel Post Local	110
Special Std. Mail (single)	@ @12
Express Mail Flat Envelope	@L01
Priority Mail Flat Envelope	@L02

SPD Domestic Service

SpeeDee Ground	@ @03	SPD
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Appendix B: Malvern Carrier Setup

Carrier Codes

Carrier	Code
DHL / Airborne	ARB
Federal Express	FDX
Less Than Truckload	LTL
SpeeDee Delivery	SPE
United Parcel Service	UPS
US Postal Service	USP

Service Level Codes

Carrier	Code	Description
DHL	EXP	DHL Express
	NAS	DHL Next Day Afternoon
	SDS	DHL 2nd Day Air
	GDS	DHL Ground
FDX	FOV	FedEx First Overnight
	PRT	FedEx Priority Overnight
	STD	FedEx Standard Overnight
	ECO	FedEx Economy
	XSV	FedEx Express Saver
	FRO	FedEx 1Day Freight
	FRE	FedEx 2Day Freight
	FRX	FedEx 3Day Freight
	FRZ	FedEx Economy Freight
	GND	FedEx Ground
HOM	FedEx Home Delivery	
LTL	-	Not applicable
SPE	GND	SpeeDee Ground
UPS	EAM	UPS Next Day Early A.M.
	1DY	UPS Next Day Air
	1SV	UPS Next Day Saver
	2AM	UPS 2nd Day Air Early AM
	2DY	UPS 2nd Day Air
	3DY	UPS 3-Day Select
	GND	UPS Ground
	STI	UPS Standard
	XPD	UPS Expedited
	XPR	UPS Express
XPP	UPS Express Plus	
USP	1CL	First Class Mail
	BPM	Bound Printed Matter

EXP	Express Mail
LIB	Library
MED	Media Mail
PPT	Parcel Post
PRT	Priority Mail
APP	Airmail Parcel Post
ASP	Int'l Air Small Pack
APM	Int'l Air Printed Matter
APB	Int'l Air Public Periodical
AML	Int'l Air Letter
SBK	Int'l Surface Book
SPP	Int'l Surface Parcel Post
SSP	Int'l Surface Letter
SPM	Int'l Surface Printed Matter
SPB	Int'l Surface Public Periodical
GPM	Global Priority