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# SAGE 100

## UPS & FEDEX INTEGRATION OPERATING MANUAL

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<http://fayebsg.com/sage-ups-fedex-integration/>

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## Overview

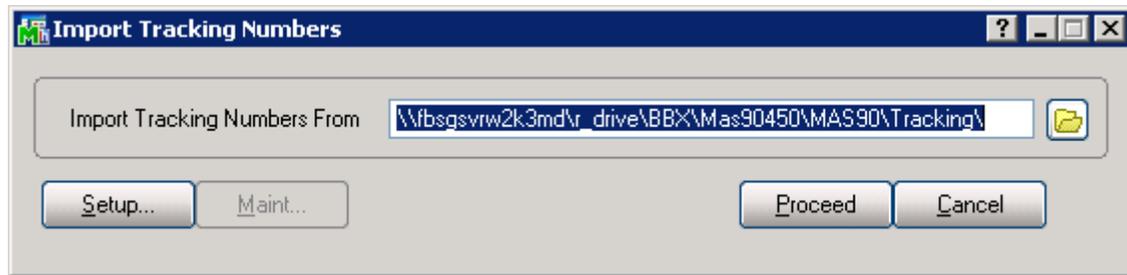
**The FayeBSG UPS & FedEx Integrator for Sage 100 ERP** allows you to easily import tracking numbers, ship dates, and freight amount from your UPS or FedEx shipping software. Imports can be automated on a schedule without human intervention. In addition, tracking numbers are imported by sales order number and can later be linked to invoices automatically. Other imports require an invoice number to be known prior to importing, but our enhancement only requires the export of the related sales order number from the shipping software. This means you can import data and use the imported information no matter how your business works.

## Key Features & Functions

- Import tracking numbers, ship dates, and freight amounts
- Works with UPS Worldship and FedEx Shipment Manager standard export functions (no special programming required)
- Data can be imported into sales order, invoices, or both
- Process can be completed automated and run from Windows Scheduler. UPS and FedEx Software can be configured to automatically generate export files, and a scheduled task can be configured to automatically import data into Sage 100 ERP (aka MAS90 or MAS200).

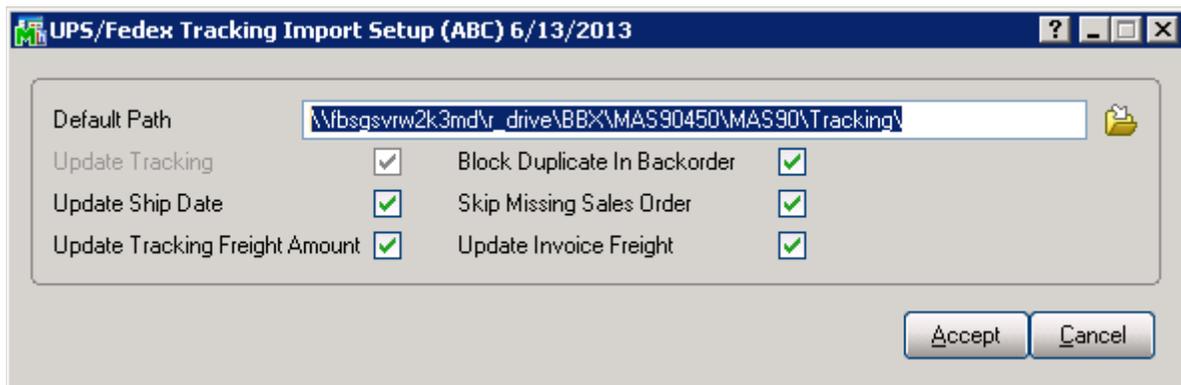
### Setup Procedures

1. Launch MAS90.
2. Select **Sales Order** from the *MAS90 Modules Menu*.
3. Select **UPS/Fedex Tracking Number Import** from the *Sales Order Main Menu*.



4. Press the **Setup** button

Note: This button will be disabled unless the user has *UPS/Fedex Tracking Import Setup* flagged as available in **Role Maintenance**.



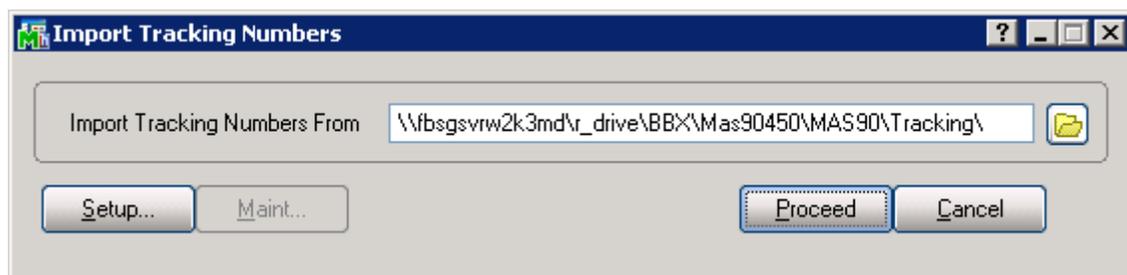
5. Enter or select a *Default Path* to import Tracking Files from.

Setup Procedures (Continued)

6. Select options as required:
  - a. **Update Ship Date:** If this is not checked, then the second (Ship Date) column of an imported file will be assumed to be blank.
  - b. **Update Tracking Freight Amount:** If this is not checked, then the fourth (Freight) column of an imported file will be assumed to be 0.
  - c. **Block Duplicate In Backorder:** When this is checked, tracking numbers already present in an earlier invoice related to this order will not be applied to newly created invoices. If unchecked *every* existing tracking number will be applied to each new invoice.
  - d. **Skip Missing Sales Order:** When this is checked, records that relate to a Sales Order not found in the Sales Order History Header file will be excluded from import. Note that current Sales Orders are also written to history, so they will also be included for purposes of this check.
  - e. **Update Invoice Freight:** When this is checked, the Freight Amount of imported tracking records will be added to the freight amount of the current Invoice. Note that if the Invoice is currently open this will ability will be blocked, that this doesn't apply to history, and that some MAS settings that adjust freight amounts based on line values may override previously applied values.
  
7. Press the **Accept** button.

Import Procedures

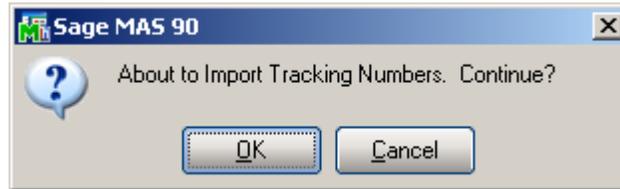
1. Launch MAS90.
2. Select **Sales Order** from the *MAS90 Modules Menu*.
3. Select **UPS/Fedex Tracking Number Import** from the *Sales Order Main Menu*.



4. Change or select the path to import Tracking Files from. The default is the value set during the above Configuration Procedure.

Import Procedures (continued)

5. Press the **Proceed** button.
6. Press the **OK** button on the confirmation prompt.

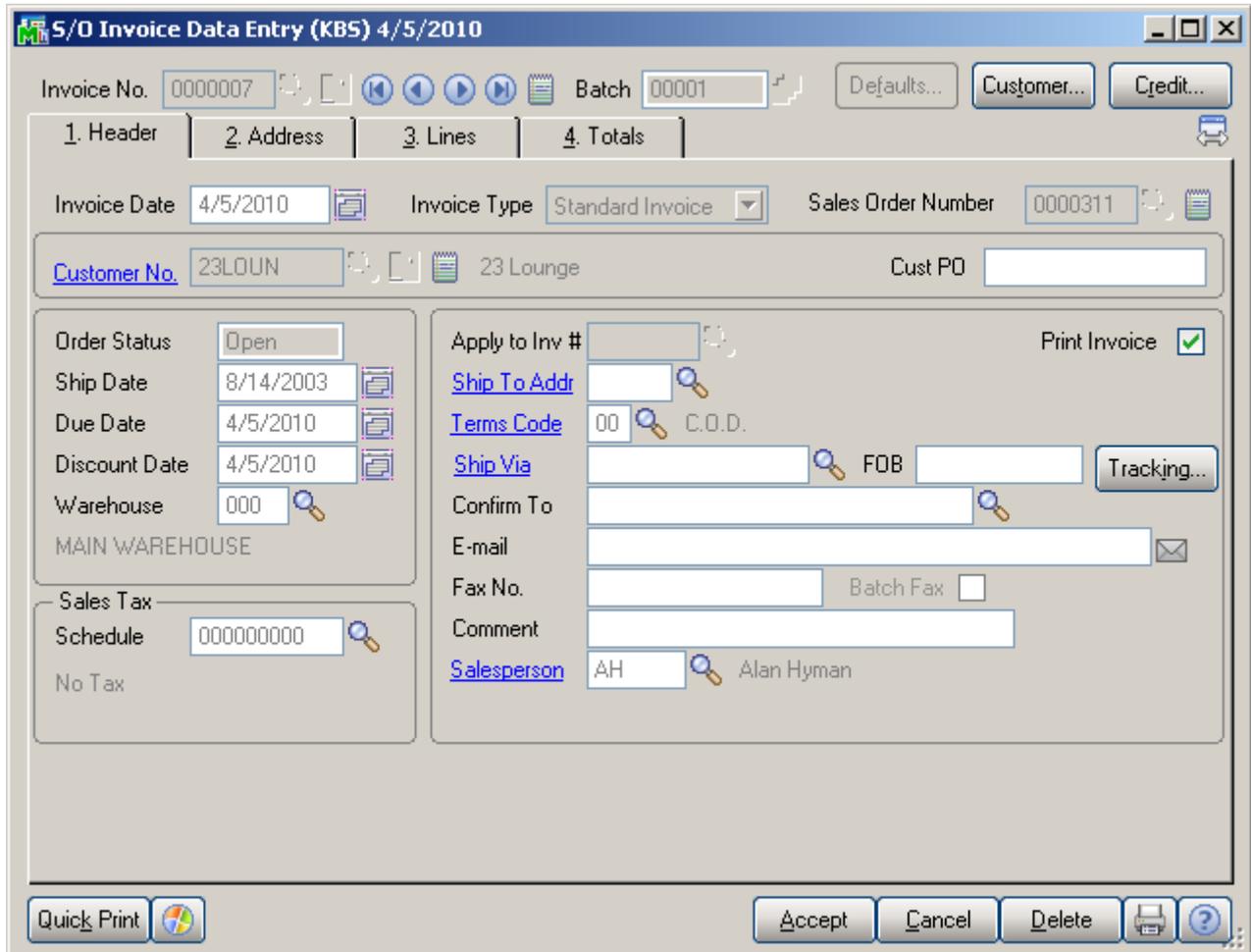


7. Press the **OK** button on the completion prompt.



Reviewing Tracking Numbers

1. Select an Invoice in **S/O Invoice Data Entry** or **A/R Invoice History Inquiry** and press the **Tracking** button.



**S/O Invoice Data Entry (KBS) 4/5/2010**

Invoice No. 0000007 Batch 00001

1. Header | 2. Address | 3. Lines | 4. Totals

Invoice Date 4/5/2010 Invoice Type Standard Invoice Sales Order Number 0000311

Customer No. 23LOUN 23 Lounge Cust PO

Order Status Open

Ship Date 8/14/2003

Due Date 4/5/2010

Discount Date 4/5/2010

Warehouse 000 MAIN WAREHOUSE

Sales Tax Schedule 000000000 No Tax

Apply to Inv #

Ship To Addr

Terms Code 00 C.O.D.

Ship Via FOB Tracking...

Confirm To

E-mail

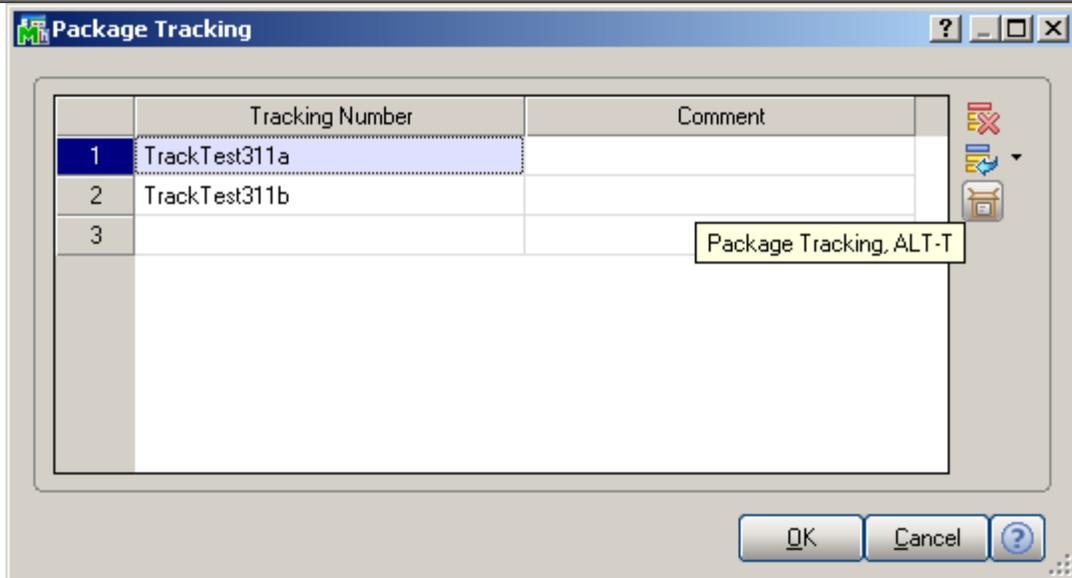
Fax No. Batch Fax

Comment

Salesperson AH Alan Hyman

Print Invoice

Quick Print Accept Cancel Delete



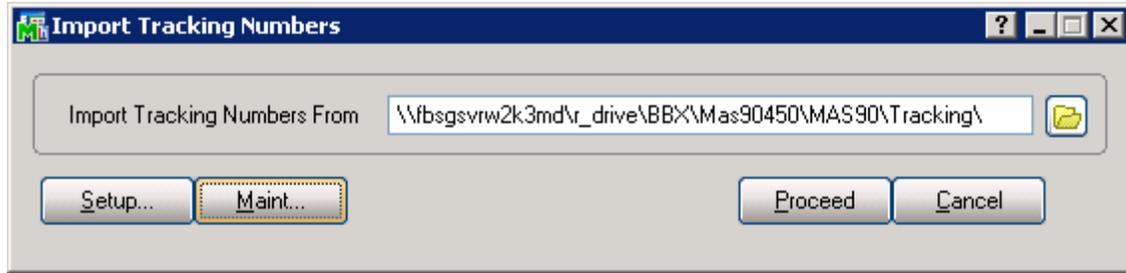
**Package Tracking**

	Tracking Number	Comment
1	TrackTest311a	
2	TrackTest311b	
3		Package Tracking, ALT-T

OK Cancel

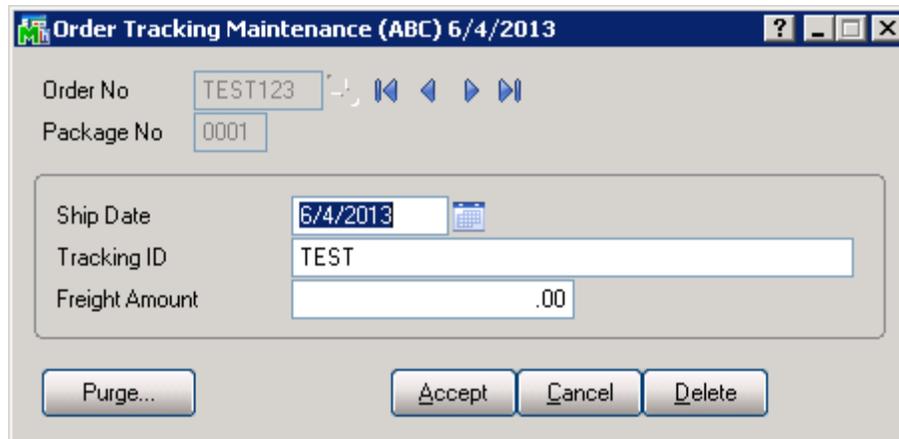
Maintaining Tracking Numbers

1. Launch MAS90.
2. Select **Sales Order** from the *MAS90 Modules Menu*.
3. Select **UPS/Fedex Tracking Number Import** from the *Sales Order Main Menu*.



4. Press the **Maint** button

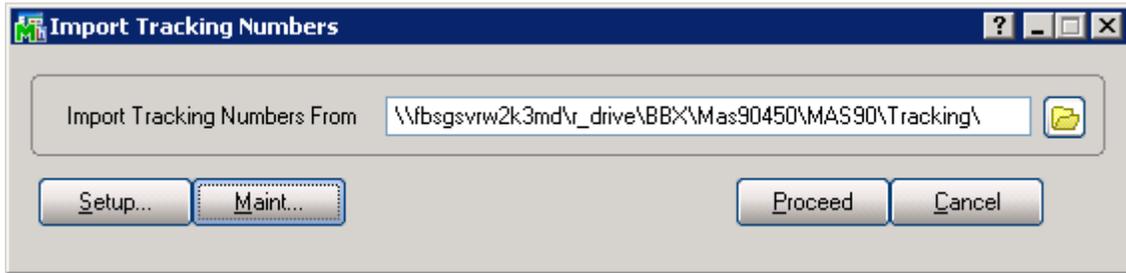
Note: This button will be disabled unless the user has *Order Tracking Maintenance* flagged as available in **Role Maintenance**.



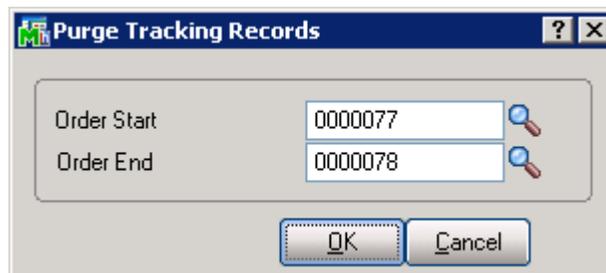
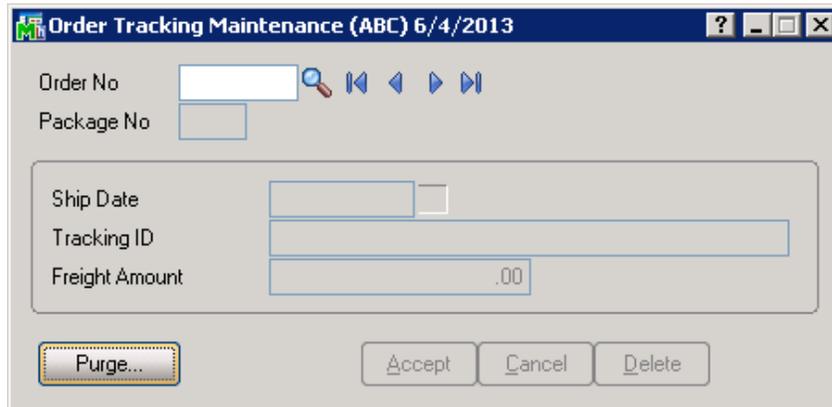
5. Enter *Order No* and *Package No* to select an existing record or create a new one. Or use the arrow buttons to navigate to an existing record.
6. Modify other fields as required.
7. Press the **Accept** button to save changes to a record, or the **Delete** button to remove the record.

Deleting a Range of Tracking Numbers

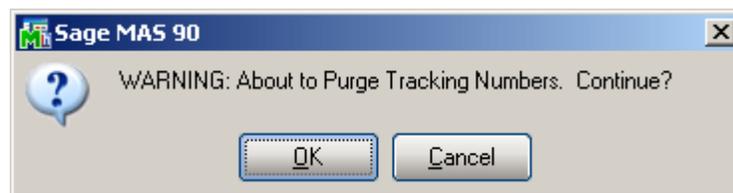
1. Launch MAS90.
2. Select **Sales Order** from the *MAS90 Modules Menu*.
3. Select **UPS/Fedex Tracking Number Import** from the *Sales Order Main Menu*.



4. Press the **Maint** button and then **Purge** buttons.



5. Enter the beginning and ending *Order* to purge Tracking records for, then press **OK**.



6. Press **OK** on the confirmation prompt.

Technical Notes

1. All files matching the format SHIP\_\*.CSV in the specified directory will be processed.
2. After processing, files will be renamed with a date stamp and moved to an ARCHIVE subdirectory (automatically created if required) under the specified directory.
3. All imported tracking will be placed in the *SO0503563\_OrderTracking.M4T* database.
4. As each line is brought in, the order number will be checked against those in the databases *SO\_InvoiceHeader.m4t* and *AR\_InvoiceHistoryHeader.m4t*. If a match is found, tracking records will be immediately created in the *SO\_InvoiceTracking.m4t* or *AR\_InvoiceHistoryTracking.m4t* as required.
5. When a Sales Order number is entered in a new Invoice, the *SO0503563\_OrderTracking.M4T* database is queried for matching records. If any are found appropriate records are created in the *SO\_InvoiceTracking.m4t* file immediately.
6. The import file should follow the format

OrderNo,ShipDate,TrackingNumber,FreightAmt

- The Ship Date should be in the format *yyyymmdd*.
  - If fields are flagged off in the configuration, they will still be imported but will not be copied over to the final Sage Invoice Tracking databases.
  - Example: *ORDER1,20130603,TrackingNumber1,123.45*
7. The import can be run without prompting by a batch file (which can be scheduled). Use the following example to build the file:

*N:*

*CD \BBX\MAS90450\MAS90\Home*

*N:\BBX\MAS90450\MAS90\Home\pvxwin32.exe -hd ..\launcher\sota.ini ..\soa\Startup.m4p -ARG  
DIRECT UIOFF USERNAME PASSWORD KBS SO0503563\_TrackingImport\_UI  
NOPROMPT050*

It is recommended that a dedicated, low security user code be used for the USERNAME and PASSWORD since they are visible in the batch file created.

Technical Notes (continued)

8. \* Warning – The following should only be performed by a Master Developer or somebody with similar knowledge \* When this enhancement is applied to existing companies the Reinitialize Data Files option in Library Master / Utilities will be needed to create the SO0503563\_TrackingImpSetup.M4T and SO0503563\_OrderTracking.M4T databases. Also the command *CALL "\*DICT/dd\_updt;Update\_Physical","DATABASENAME","","",ERRMSG\$* will need to be performed (substituting AR\_InvoiceHistoryTracking and SO\_InvoiceTracking for DATABASENAME) using SYZCON for each company.

Database Information

**SO0503563\_TrackingImpSetup** UPS/Fedex Tracking Import Setup (NEW DATABASE)

<i>Field</i>	<i>Type</i>	<i>Length</i>
Enhancement\$	String	4
UpdateTracking\$	YesNo	1
UpdateShipDate\$	YesNo	1
UpdateFreightAmount\$	YesNo	1
DefaultPath\$	String	150
BlockDuplicateInBackorder\$	String	1
SkipMissingSalesOrder\$	String	1
UpdateInvoiceFreight\$	String	1

**SO0503563\_OrderTracking** SO Order Tracking (NEW DATABASE)

<i>Field</i>	<i>Type</i>	<i>Length</i>	
SalesOrderNo\$	Account	7	
PackageNo\$	Account	4	
TrackingId\$	String	30	
Comment\$	String	30	{ Not used at this time }
StarshipShipVia\$	String	15	{ Not used at this time }
UpdateFromStarship\$	YesNo	1	{ Not used at this time }
SendPackageToStarship\$	YesNo	1	{ Not used at this time }
Weight	Numeric	13.2	{ Not used at this time }
FreightAmt	Number	12.2	
FreightAmtAddedToInv	Number	12.2	
UDF_IMPSHIPDATE3563\$	Date	8	

**AR\_InvoiceHistoryTracking** AR Invoice History Tracking (UDF Addition)

UDF_IMPSHIPDATE3563\$	Date	8
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**SO\_InvoiceTracking** SO Invoice Tracking (UDF Addition)

UDF_IMPSHIPDATE3563\$	Date	8
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