



Affordable, Adaptable ERP Software



## ***Release Notes***

**Version 5.40**

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## INTRODUCTION

### *Introducing Fitrix ERP Version 5.4*

Fourth Generation Software Solutions is pleased to release version 5.4 of its Fitrix ERP software. This new release is the culmination of thousands of hours of development by our software engineering teams since our last major release in 2008, version 5.2 (version 5.3 was an interim release containing some of the new features in 5.4).

Version 5.4 includes significant enhancements across the Fitrix ERP suite: the release of four newly-integrated Fitrix Manufacturing modules, over 100 new application features, and many new “tools” features. The remainder of this document discusses these new features and capabilities in detail, but below is a brief overview.

### *New Manufacturing Modules*

Awhile back Fourth Generation Software acquired eleven advanced manufacturing software modules written with our CASE Tools from our longtime reseller Kingwood Systems. We initiated the process of converting these from the older Four J’s Genero BDL user interface to the latest Genero technology in addition to making these new modules work with Fourth Generation’s latest Accounting and Distribution modules and the Fitrix ERP data model.

The newly converted manufacturing modules included in the 5.4 release are the Bill of Material, Production Order Processing, Standard Routing, and Material Requirements Planning modules (Bill Of Material and components of the other modules were included in the limited 5.3 release). Below is brief description of each of these modules.

#### **Bill of Material**

The Bill of Material module identifies a standard list of items, or components, required to produce a different, or parent, item. It defines the relationships between items being produced and the items needed to produce them. A produced item can be composed of one or more items which might be purchased, assembled, fabricated or changed in some way to create a new item. This new item may be sold directly, or used itself to make another item in a product’s structure.

These bills of material are used by other modules within Fitrix to streamline business processes, provide effective planning tools, and to manufacture products in a consistent and timely manner.

- Production Order Processing – uses standard bills of material when creating production orders to manufacture products. The standard bill is copied to the production order bill as a starting point
- Material Planning – uses standard bills of material to plan strategic production and purchases, in support of a longer term production plan

See the New Manufacturing Modules section of this document for a complete listing of features and functionality.

The screenshot shows the 'Bill of Materials' window with a menu bar (File, Edit, View, Navigation, Tools, Actions, Options, Help) and a toolbar with various icons. Below the toolbar are tabs for Summary, Copy Bill, Routing, Detail, and Notes. A search bar contains 'Item Code: 1001' and 'Desc: PERSONAL COMPUTER'. Below this are fields for 'Bill of Material: MFG', 'Revision Level', and 'Eng Change'. The main area is a table with the following data:

Sequence	Component	Rv Lvl	Description	Quantity per Unit	Op Used
0001	1002		CASE	1.0000000	
0002	1003		POWER SUPPLY	1.0000000	
0003	1004		PROCESSING UNIT	1.0000000	
0004	1005		CD/DVD INTERNAL	2.0000000	
0005	1006		KEYBOARD	1.0000000	
0006	1007		MOUSE	1.0000000	

Below the table, it says '1 of 1'. At the bottom left is a 'View Detail' button, and at the bottom right is an 'OVR' button.

## Production Order Processing

The Production Order Processing module controls the movement of materials during the production process. Production is managed through the use of production orders. These orders indicate the quantities and due dates of items being manufactured. They also contain lists of materials required, extracted from the standard bill of material, and expected operations, from the standard routing. Production receipts and component movement are reported here.



Production orders are the foundation supporting the ability to manage manufacturing operations. Orders are 'Released' in response to demand for an item being sold, or being used in a higher level item. Once released, the orders are used to manage material, labor, overhead, and outside processes, with the expectation that an expected quantity will be completed within a specific timeframe. Reports and inquiries are available to analyze current production status, and act on exceptions requiring attention.

See the New Manufacturing Modules section of this document for a complete listing of features and functionality.

The screenshot shows the 'Order Entry/Maintenance' window with a menu bar (File, Edit, View, Navigation, Tools, Actions, Options, Help) and a toolbar with icons for Cost Elements, Misc Costs, Components, Routing, Find, Prev, Next, Add, Update, Delete, and Browse. The form contains the following fields:

Order	471	Release	000
Item	1001	Warehouse	MIAMI
Description	PERSONAL COMPUTER		
Order Quantity	10.000	Assembly Line	
Start Date	08/13/2010	Accounting Code	TST
Due Date	08/25/2010	G/L Department	000
Order Type	SD	Job	19387
Order Status	A	Project	
Hold Code		Responsible Party	RDJ
Priority	HIGH	Revision Level	1
Sales Order		Bill Effective Date	08/13/2010
Line		User Field 1	
		User Field 2	
		User Field 3	
Bill of Material	MFG	Type of Bill of Material	
Standard Routing	MFG	Type of Routing	
Allocate Now?	Y		

At the bottom center, it says '1 of 1'. At the bottom right, there is an 'OVR' button.

## Standard Routing

The Standard Routing defines the non-material resources needed to support the production of items. Each produced item can be defined with one or more Routing Steps, identifying the types and amounts of production resources required. These steps identify setup and run hours required, as well as work centers, machines, departments, teams and employees to be used.

In addition, the module defines initial capacities of company resources. These capacities are used by other Fitrix modules to highlight situations where resources are over or under-utilized.

- Production Scheduling – analyzes load vs. capacity for open production orders
- Capacity Requirements Planning - analyzes load vs. capacity for open production orders, and longer term planned production orders
- 

See the New Manufacturing Modules section of this document for a complete listing of features and functionality.

Step	Std Opr	Description	Type	Work Ctr	Dept	Machine	Setup Hr	Run Labor	Piece
0001		ASSEMBLY	Inside	WC01	DP1		0.00000	1.0000000	Hours per piece
0002		LOAD SOFTWARE	Inside	WC01	DP1		0.00000	2.0000000	Hours per piece
0003		HARDWARE TEST	Outside	WC02	DP2		0.00000	0.2500000	Hours per piece

## Material Requirements Planning

Material Requirements Planning uses the Master Schedule to ensure the production and purchase activities adequately meet the forecast and demand requirements. It uses planned orders from Master Scheduling, as well as requirements from forecast and demand from sales orders to generate planned orders for production and purchasing. Orders are reviewed and released to Production Order Processing.

### Features/Function Highlights

#### Planning Parameters

- Set defaults for each MRP generation

#### Forecast Group Maintenance

- Allows grouping of items with similar demand patterns
- Supports default forecast characteristics, such as monthly, bi-weekly, weekly forecasts, total forecast, or by time period, Forecast by amount, or quantity

#### Item Forecast Maintenance

- Allows entry of forecasts for an item
- Assignment to a group to inherit group forecast characteristics
- Forecast entry by amount or quantity
- Total forecast for a range of dates, or forecast by Month, Week, Bi-week
- Supports generation of an entered forecast amount or quantity over a given period of time
- Allows forecasts to be 'layered' for multiple forecasts in the same time period

#### Item Requirement Entry

- Manual entry of a requirement for an item and due date

#### Period Intervals

- Define how the future is to be divided into time periods
- Multiple period intervals may be defined
- Used to display and print future materials activity by time period

#### Firm Planned Orders

- User can 'firm-up' a planned order
- MRP generation will not re-plan a firm order

#### MRP Generation

- Full generation
- Net change generation
- Simulation
- Separate generation for each planning warehouse
- Planning warehouse can use inventory from multiple stocking warehouses
- Detail multi-level pegging
- Include/exclude safety stock
- Include/exclude shrinkage factors
- Exclude specific inventory locations

#### Order/Review/Release

- Review/release production orders
- Review/release purchase orders
- Create new purchase orders
- Add to existing purchase orders
- Combine planned orders to a single order

#### Review/Accept Recommendations

- Analyze recommended changes to scheduled receipts, such as Defer, Expedite, Cancel
- Accept recommendations on-line, by item

## Inquiries

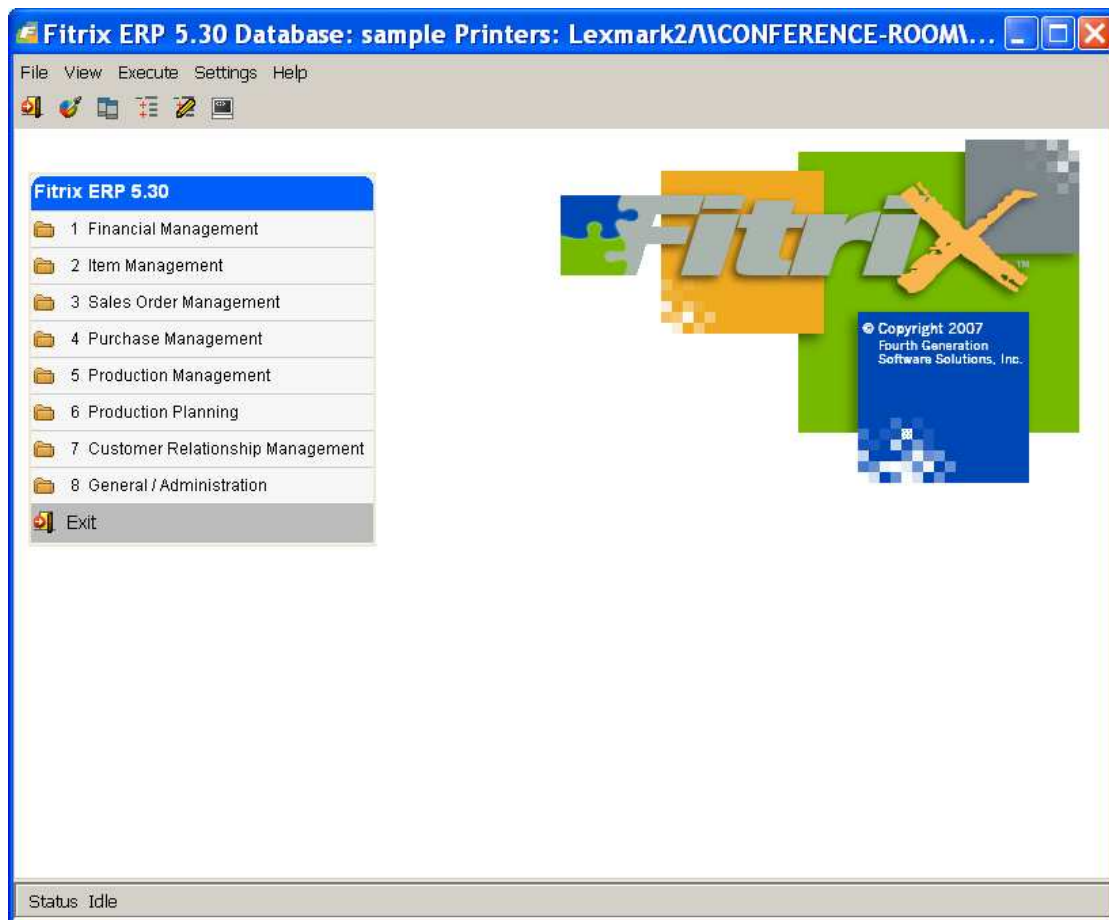
- Material requirements

## Reports

- Planning report
- Review/release report
- Order recommendation

## ***New Menu Structure***

With the release of the new manufacturing modules, the Fitrix ERP menu structure was updated to include these modules, and the top-level menu was re-organized to provide logical menu placement for these and the other Fitrix ERP modules. The new top-level menu is displayed below.



The entire new Fitrix ERP menu structure is as follows:

- Financial Management
  - General Ledger
  - Accounts Receivable
  - Accounts Payable
  - Payroll
  - Fixed Assets
  - Multicurrency
  - Multilevel Tax
- Item Management
  - Inventory Control
  - Bill of Materials
  - Standard Routing
  - Standard Costing
  - Engineering Change
  - Product Configurator
- Sales Order Management
  - Sales Quotations
  - Sales Orders
- Purchase Management
  - Purchase Orders
  - Replenishment
- Production Management
  - Production Orders
  - Production Scheduling
  - Labor Processing
  - Actual Costing
- Production Planning
  - Master Scheduling
  - Material Planning
  - Capacity Planning
- Customer Relationship Management (future module coming soon)
- General/Administration
  - Company Setup
  - System Administration
  - Data Import/Conversion

## ***Major New Application Features***

Fitrix ERP version 5.4 includes some great major new application features, including

- Multi-bin
- Greatly enhanced RMA capabilities
- Landed Cost enhancements
- New Make To Order capabilities
- Enhanced bar code support
- New APIs
- Document attachment

## **NEW APPLICATION FEATURES**

The following section lists all of the new application features added since the official release of version 5.20. Your company may already have some of these features depending upon when you last upgraded. When a version upgrade takes place, Fourth Generation installs the base 5.20 version and also includes any features completed to date.

### ***GENERAL***

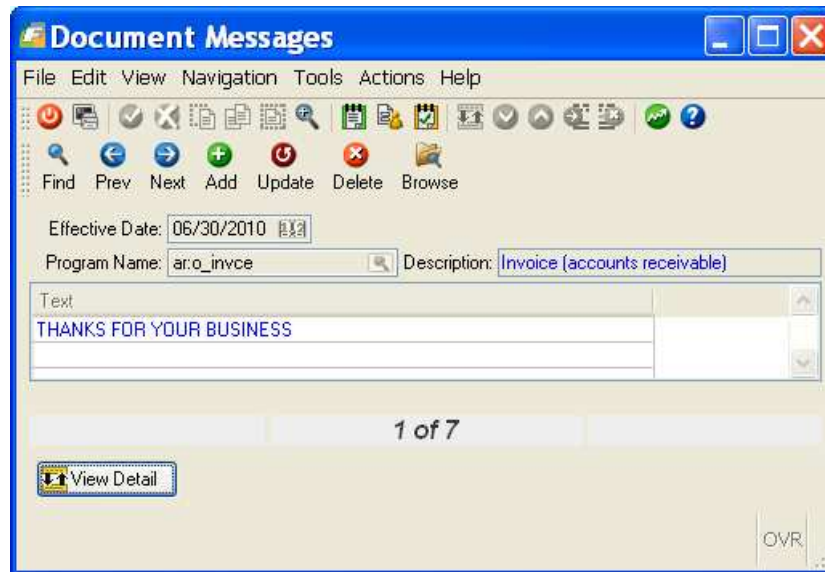
#### **FR1298 – City code validation in Order Entry**

The Fitrix ERP database comes preloaded with all cities worldwide. The data stored in the city code table is used to validate the shipment destination entered on the Order Entry summary screen.



## FR1301 – Banner messages

This program enables you to enter messages that you would like to have printed on various forms.



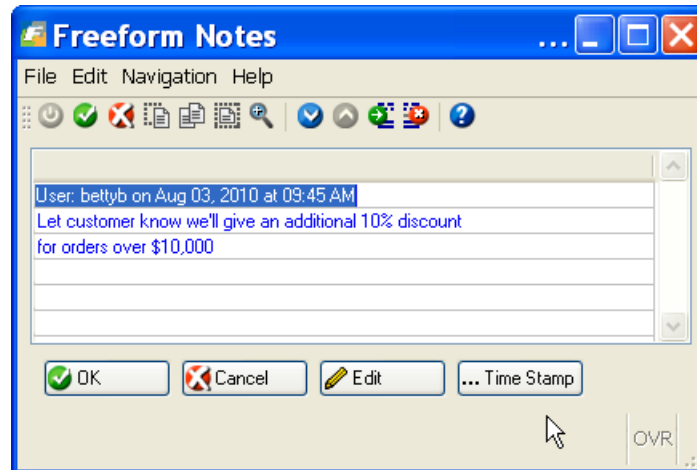
1. Go into Add mode.
2. Enter the effective beginning date for the message.
3. Enter the program name. Zoom is available and the following programs have been modified so that the message entered here will print:

Name	Description
oe:o_order	Order Acknowledgement
oe:o_picker	Picking Ticket
oe:o_shipr	Packing Slip
oe:o_invce	Invoice (order entry)
oe:o_prfinv	Proforma Invoice (export)
oe:o_shper	Packing List (export)
oe:o_billdg	Bill Of Lading (export)
oe:o_cminv	Commercial Invoice (export)
oe:o_proinv	Provisional Invoice (export)
oe:o_incf	Final Invoice (export)
pu:o_order	Purchase Order
ar:o_invce	Invoice(accounts receivable)
ar:o_stmt	Statement of account

4. Enter the detail section of the screen to enter your message.
5. Click OK or press Enter to store.

## FR1302 – Date and time stamp freeform notes

Date, time, and user id can now be added to notes.



## FR1303 – Country code validation for customers and vendors

The Fitrix ERP database comes preloaded with all countries worldwide. The data stored in the country code table is used to validate the country entered on both the customer and vendor screens.



## FR 1606, 1690-1692, 1701 – Export to Excel

Many reports can now be exported to Excel.



## FR1764 – Remittance address for AR and OE invoices

In the event your remittance address is different from your company address you can use this feature to enter that address. This address will print on invoices processed through both Accounts Receivable and Order Entry.

Extension r\_addr

File Edit Help

Remit Address

Address1: PO BOX 2460

Address2:

City: ATLANTA

State: GA

Zip: 30339

Country: US UNITED STATES

OK Cancel

Enter the first line of the remit address. OVR

## FR1805/2039 – Email alerts

This new program allows email alerts to be sent to specific individuals within your organization when a certain event takes place. In the example below the recipients select will received an email when someone changes the list price for a product.

Update E-Mail Templates

File Edit View Navigation Tools Actions Options Help

Recipients

Find Prev Next Add Update Delete Browse

Event Code: PRICE\_CHANGE

Description: UPDATE ITEM'S LIST PRICE

Active: Y

Type: EMAIL

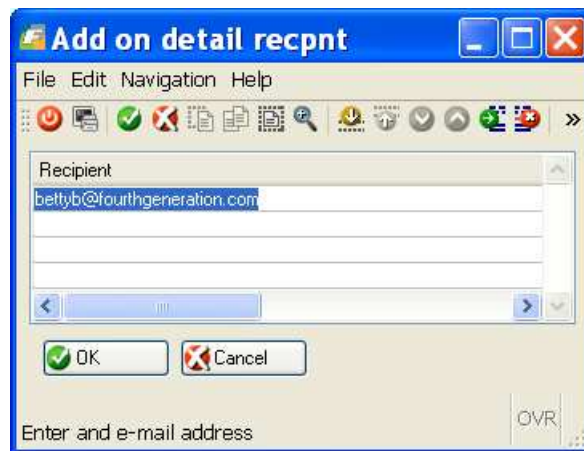
Message Subject: Price changed on item: &item\_code

Seq	Text
1	Price changed by user &user in warehouse &warehouse_code
2	Old Price: &old_price
3	New Price: &new_price

2 of 2

View Detail

OVR



In addition to this template we also deliver another template that will notify the selected recipient when a production order is placed on hold and if that production order is associated with a made to order sales order, the customer's salesperson will also be emailed.

Additional templates are currently under development. If you need customized templates you will need to coordinate this with a programmer as there is some programming involved to extract the specific data needed using the special characters.

## ***ACCOUNTS PAYABLE***

### **FR1310 – Print GL distribution for invoices on AP check stub**

### **FR1311 – Added check mailed date field to Update AP Checks screen**

### **FR1517 – Improved bank reconciliation process**

There have been several improvements made to the bank reconciliation process.

1. In prior versions of Fitrix every cash receipt posted for each customer made a separate entry into the check reconciliation table. Now you can group cash receipts by deposit ID so that a single entry is made into the check reconciliation table for multiple cash receipts.
2. In prior versions of Fitrix you could not open a new accounting period until your bank reconciliation had been completed because the data that displayed on the reconciliation screen was for the current period, current year as defined in the Update Ledger Defaults program. Therefore you could not have up to date financial information/reports for your company. Now the data is pulled into the reconciliation program real time as of the statement date you enter.
3. There is a new and improved bank reconciliation report as shown here.

**Print Reconciliation Report**

File Navigate Help

Date: 08/03/2010      Check Reconciliation Report      Page: 1  
Time: 13:49:20      ABC DISTRIBUTION

---

Bank Code: BOA      Branch Code: BR100      Statement Date: 05/31/2010

Balance Per Bank Statement: 1,146,683.39

Deduct: Outstanding Checks /other credits: 0.00

Add: Deposits in transit /other debits: 638.10

Date	OJ	Chk/Dep ID	Document Description	Amount
03/05/2010	CD	56468	Void Chk. Doc. No.: 126	638.10

Deduct: Outstanding Checks /other credits: -2,659.90

Date	OJ	Chk/Dep ID	Document Description	Amount
03/05/2010	CD	56467	AUTOMATIC CHECK	-21.80
03/05/2010	CD	56468	AUTOMATIC CHECK	-638.10
03/05/2010	CD	56469	AUTOMATIC CHECK	-2,000.00

Revised Bank Balance: 1,144,661.59

GL Balance: 1,144,661.59

**FR1633 – Print Vendor Ledger by date range**

**FR1728 – Added vendor code to Vendor Ledger print selection criteria**

**FR 1770 - Added vendor code to 1099 print selection criteria**

**FR2058 – Print account # assigned to you by your vendor on the AP check form**

## ACCOUNTS RECEIVABLE

### FR1261 – Credit card processing for Accounts Receivable invoices

The Accounts Receivable module interfaces with Skip Jack, a payment transaction network, for automated credit card processing. Credit card information is stored at the customer level. When invoices are entered the invoice information is automatically sent for real time authorization or you can send in batch mode if processing many invoices. The following day you then run the settlement program to settle the transactions.

Fitrix Software is delivered with the credit card functionality turned off. This is because the tools needed to interface with Skip Jack vary depending upon what hardware platform you are running your Fitrix software on. When you are ready to begin using Credit Card Processing please contact [support@fitrix.com](mailto:support@fitrix.com). You must first contact Skipjack at 1-888-368-8507 to establish a merchant account with them.

### FR1262 – Only print Dunning letters if customer balance exceeds a certain balance

You can now enter a minimum amount and only customers that owe this amount or greater will have dunning letters generated.

**Update Letter**

File Edit View Navigation Tools Actions Help

Find Prev Next Add Update Delete Browse

Letter Code: LD30 Description: 30-59 days past due

Due Days: 30 Credit Hold: N

Minimum Due: 50.00

Body of Letter:

Acct#: \$?1 Date: \$?letter\_date

\$?2

\$?3

\$?4

\$?5, \$?6, \$?7

\$?8

Dear \$?9

We show the following invoices are now thirty days past due:

Invoice No:	Invoice Date:	Due Date:	Amount Due:
\$?inv_no	\$?inv_date	\$?due_date	\$?balance

3 of 5

View Detail

OVR

## FR1321 – Customer deposits

Ability to show deposits applied in cash receipts on the tracking screen and also show these deposits on the customer invoice, aging, open items report, and in the customer record. This all assumes there is a sales order in the system prior to the deposit being entered in Update AR Cash Receipts program and only one deposit/one order can be entered at a time unless it is a contract. If it is a contract then the deposit entered will be split amongst all orders on the contract.

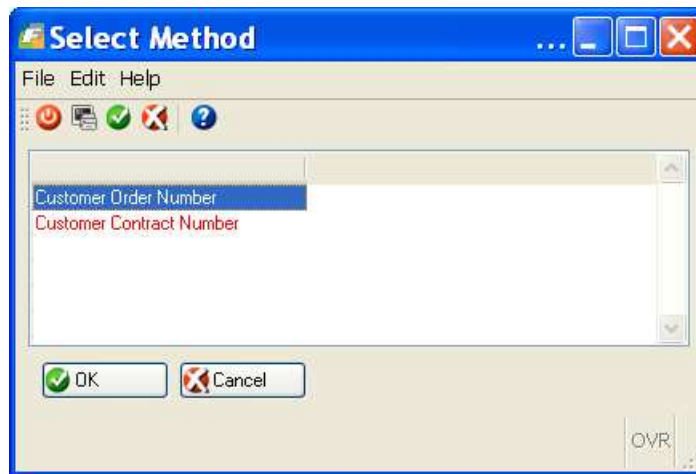
### Entering a Customer Deposit (option f on the Receivable Ledger menu):

To apply a deposit to an order or several orders on a contract (**see FR 1297**) the orders must first be entered in the system. Once entered, go to the Update Cash Receipts program and enter the payment amount as a Non Attached payment.

Once you enter a Y in the Non Attached field, the following screen will display:



Select Create Deposit and this screen will display:



If you are applying the deposit to a single order, select Customer Order Number and this screen will display so you can enter the customer order number:



When you press Enter or click on OK this screen displays:

Click on OK and then click on OK from the main cash receipts screen to save the transaction.

If you want to apply the deposit to multiple orders on a contract, select Customer Contract Number on the Select Method screen above rather than Customer Order Number. When selected, a listing of individual sales order numbers that make up the contract will display. The amount of the deposit will be evenly distributed amongst all orders on the contract but the amounts can be changed if needed. Any changes made must equal the amount of the total deposit.

When the transaction for the single order above is posted it creates this General Ledger entry:

Debit Cash	\$50,000
Credit AR	50,000

#### **Display of Deposit Information:**

The deposits entered display in several programs:

Update Customer Information- a field has been added to the Billing Information screen for Deposits.

**Extension billing**

File Edit Help

Billing Information

Statement Date: 07/20/2010

Statement Amount: 6409833.00

Last Pay Date: 08/03/2010

Balance: -24038.65

On Account: -1257.01

Deposits: -28082.99

Credit Limit: 324000.00

Statement Cycle: ☐

Open Item/Bal Fwd: ☐

Finance Charges: ☐

Fin. Chrg. Tax Code:

OK Cancel

Enter this customer's credit limit. OVR

Customer Deposits Report – this report lists all deposits that have not been applied to a customer invoice.

The following reports combine the deposit amount and the on account amount:

Customer AR Aging reports  
 Print Customer Open Items  
 Print Customer Statements

### Invoicing the Order:

When you invoice an order that has a deposit applied to it, the deposit amount will print on the invoice and the invoice total that prints will be net of the deposit amount. The amount of the deposit applied to the invoice also displays on the Update Invoices screen.

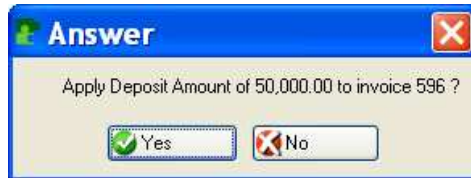
### Partial shipments:

If you are unable to ship and invoice the entire shipment due to the merchandise not being available, it could happen that the deposit amount exceeds the invoice amount of the first shipment. For example, the order amount is \$100,000, you have applied a deposit of \$50,000 to it, and the first shipment is for \$30,000. When this happens \$30,000 of the \$50,000 deposit will be applied to the first shipment (net invoice amount that prints will be zero), and the remaining deposit amount of \$20,000 will be applied to future shipments for this order.



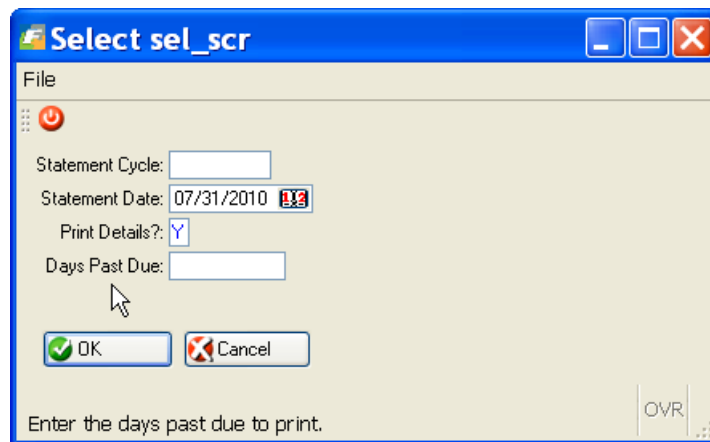
### Applying Deposits When Applying Cash Receipts:

When you press TAB the following prompt displays the amount of the deposit applied to the order when the order was invoiced. Click on OK or press Enter to apply the deposit.



When the transaction is posted the invoice will be paid in full and the deposit amount will be set to 0.

### FR1402 – Added days past due to AR Statement print selection criteria.

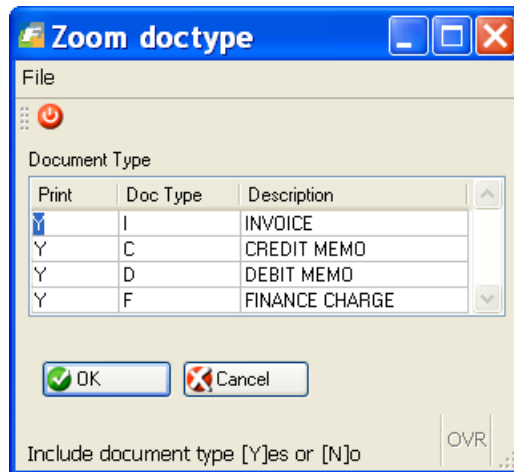


### FR1403 – AR Statement – only print for customers that have invoices over a certain number of days past due

Modified the screen program to include a field for days past due under statement cycle field. Only customers that have invoices with due date past this number of days will print”.

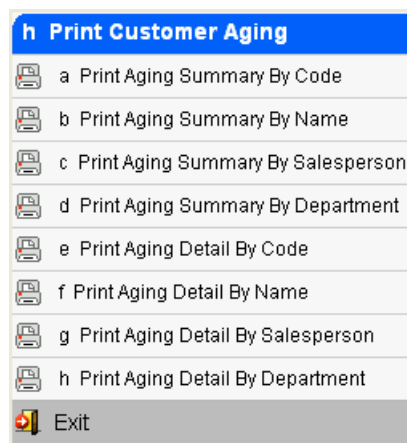
### FR1684 – Print Receivables Journal report by document type

Added the following new selection screen to the



## FR1928 – Print AR Aging by Salesperson or Department

AR Aging can now be run by salesperson and department if departmental reporting is in use.



## ***BILL OF MATERIAL***

### FR1799 – Increase sequence Number size

When working with indented bills of material, the need to maintain component sequence ordering is difficult with a 4-character sequence. The column has been expanded to 10-character in the following programs:

- Bill of Material
- Order Entry Maintenance
- Component Issue
- Production Receipt
- Production Order Status
- Production Order History
- Component Requirements
- Order Shortage
- Print Production Packet
- Order Detail
- Order Detail by Job
- Order History Detail
- Order Component Comparison

## ***GENERAL LEDGER***

### **FR2002 – User definable balance recalculation start date.**

When the Begin New Period program is run another recalculation program runs to see if there were entries made into past accounting periods and the program would go all the way back to the GL Setup Complete date. For users that have a large number of transactions or have been using Fitrix for years this recalculation process could take hours. To solve this problem a Recalculate Balances From field has been added to the GL control table shown here:

**Update Ledger Defaults**

File Edit View Navigation Tools Actions Help

Find Prev Next Add Update Delete Browse

Quit Print OK Cancel Cut Copy Paste Zoom Notes U Fields To Do >>

Current Accounting Period:  Last Purge Date:

Current Fiscal Year:

Retained Earnings Account No:

Recalculate Balances From:

Direct DB\_CR Entry:

Ledger Setup Complete Date:

Ledger Setup Complete?:  Batch Journal?:

Require Approval to post?:  Approval Code:

Periods Back:  Periods Forward:

Period Control Password:

Period	Year	Start	End	Balanced
07	2010	07/01/2010	07/31/2010	Y
06	2010	06/01/2010	06/30/2010	Y
05	2010	05/01/2010	05/31/2010	Y
04	2010	04/01/2010	04/30/2010	Y
03	2010	03/01/2010	03/31/2010	Y
02	2010	02/01/2010	02/28/2010	Y
01	2010	01/01/2010	01/31/2010	Y

1 of 1

OVR

## FR 2092 – Replace existing GL account numbers with new ones

With this feature you can redesign your chart of accounts. For example, maybe you want more or less digits in your account number structure . Simply enter the account number you want to replace and then enter the new account number that replaces it. When you store the record all tables will be updated with the new account number and the old account number will be deleted.



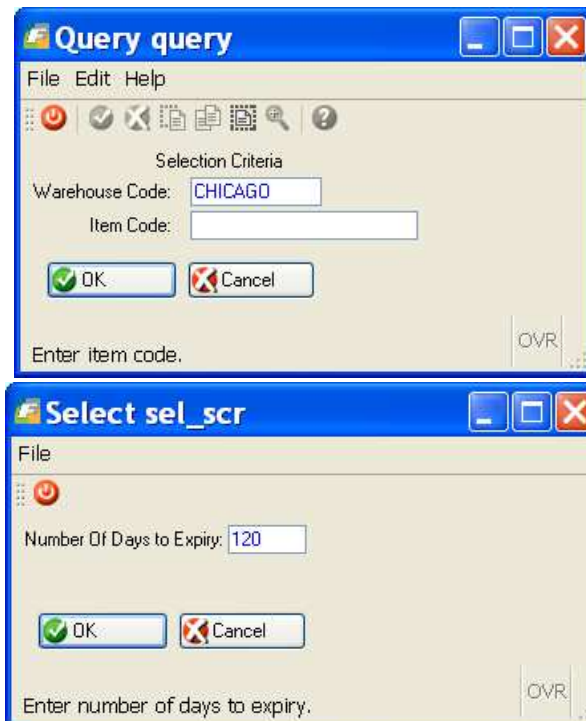
## ***INVENTORY CONTROL***

### **FR1244 – Lot expiration report**

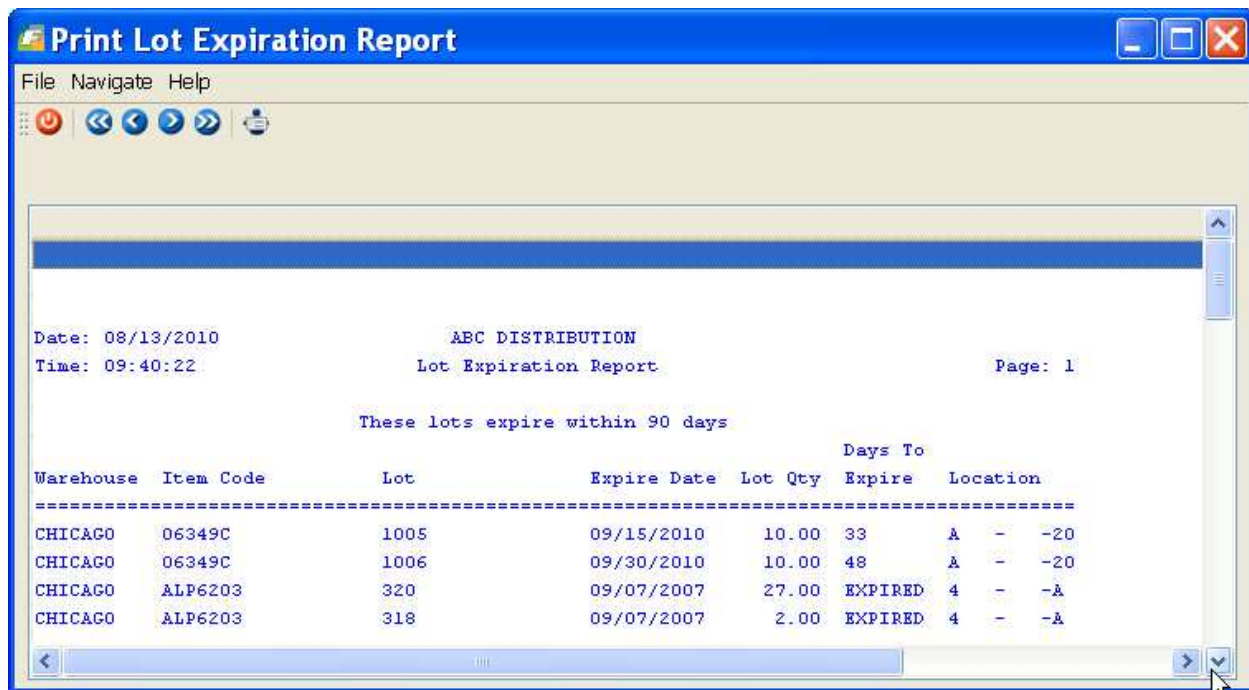
If you have lot number controlled merchandise that is date sensitive you will find this new report very useful as it lets you view which lots have expired or are about to expire.

When you receive and vendor Po for a lot controlled item, there is a new field where you can enter expiration date. If a date is stored here it is stored in the lot number table.

Selection criteria:



Report Sample:



The screenshot shows a software window titled "Print Lot Expiration Report". It has a menu bar with "File", "Navigate", and "Help". Below the menu bar is a toolbar with several icons. The main content area displays the following information:

Date: 08/13/2010  
Time: 09:40:22

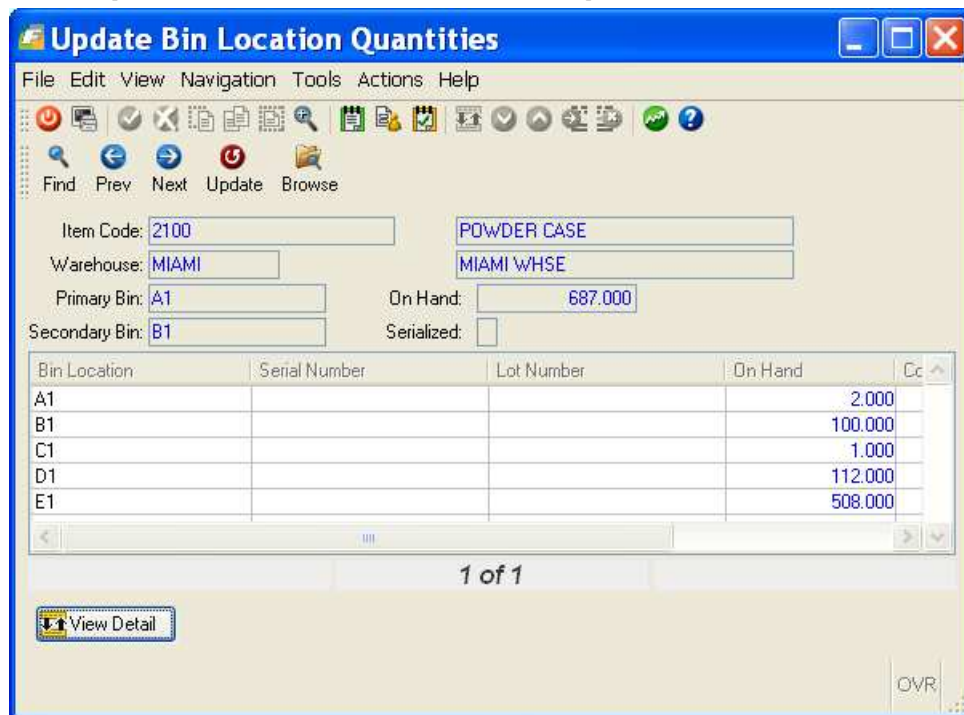
ABC DISTRIBUTION  
Lot Expiration Report

Page: 1

These lots expire within 90 days

Warehouse	Item Code	Lot	Expire Date	Lot Qty	Days To Expire	Location
CHICAGO	06349C	1005	09/15/2010	10.00	33	A - -20
CHICAGO	06349C	1006	09/30/2010	10.00	48	A - -20
CHICAGO	ALP6203	320	09/07/2007	27.00	EXPIRED	4 - -A
CHICAGO	ALP6203	318	09/07/2007	2.00	EXPIRED	4 - -A

## FR1683 – Multiple warehouse bin locations per item



The screenshot shows a software window titled "Update Bin Location Quantities". It has a menu bar with "File", "Edit", "View", "Navigation", "Tools", "Actions", and "Help". Below the menu bar is a toolbar with several icons. The main content area displays the following information:

Item Code: 2100  
Warehouse: MIAMI  
Primary Bin: A1  
Secondary Bin: B1

POWDER CASE  
MIAMI WHSE  
On Hand: 687.000  
Serialized: ☐

Bin Location	Serial Number	Lot Number	On Hand	Cc
A1			2.000	
B1			100.000	
C1			1.000	
D1			112.000	
E1			508.000	

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View Detail

OVR

This feature gives you the ability to have multiple warehouse locations per item instead of one static bin location as defined in the Update Inventory Information program. If you have multiple warehouses you can also use multi-bin in one warehouse but a static single location in others if multiple locations are not required. Functionality includes:

- Ability to define both a primary pick location and bulk location for each item.
- Item can be stored in as many bin locations as you need
- The bin location(s) the item is located in will print on the picking ticket so your warehouse personnel know where to go to pick the item
- Select a location(s) other than the primary pick location when receiving or producing items
- Screen program that enables you to move items from bin location to another as needed
- Stock Location by Bin report

For a more detailed description of how multi-bin works please see the Distribution User Guides at [www.fitrix.com](http://www.fitrix.com) (click on the Support TAB and then click on the documentation link).

## **FR 1746 - New field in item master for UPC code.**

## **FR1785 – Prompt for cost in adjustment program if serial/lot number does not exist.**

### **FR1807 – Auto assignment of serial numbers**

We have added functionality so that you have the choice of entering serial #s for received and produced items or you can have the programs automatically generate them for you. There have been four fields added to the Update Inventory Defaults Screen program that will need to be populated prior to using this feature. If Auto Serialize is left set to N then you will still need to manually assign serial numbers.

**Update Inventory Defaults**

File Edit View Navigation Tools Actions Help

Quit Print OK Cancel Cut Copy Paste Zoom Notes U Fields To Do Technical status Help

Find Prev Next Add Update Delete Browse

**GL Accounts**

Inventory: 120000000 Cost Of Goods: 500000000  
 Inventory Adjustment: 510000000 Count Adjustment: 510000000  
 Sales: 400000000 Use Warehouse Dept: Y

**ABC Classification**

1: 8.00	4: 10.00	7: 8.00	10: 8.00	
2: 8.00	5: 8.00	8: 8.00	11: 8.00	Min.Amt.Sold
3: 10.00	6: 8.00	9: 8.00	12: 8.00	9.00

**Default**

Cost Method: F Item Class: NON INA Days: 120  
 Count Cycle: Ret Days: 60  
 Allow B.O.?: ☒ Comm Code: STD  
 Display Item Notes in DE?: ☒ Doc No: 321  
 Taxable?: ☒ Post No: 371  
 Terms Disc?: ☒  
 Trade Disc?: ☒  
 Setup Complete?: ☒  
 Batch Adjustments?: ☒  
 Require Approval to post?: ☐ Approval Code:

**Serialization**

Auto-Serialize?: ☒  
 Next Serial Number: 3264  
 Serial Prefix: FGS  
 Serial Suffix: 2010

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OVR

Auto Serialize- set to Y if you want the programs that assign serial numbers pick the next sequential number rather than manually entering.

Next Serial Number- set to your starting serial number.

Serial Prefix- set to the serial number prefix.

Serial Suffix – set to the serial number suffix. If this is a Year then this will need to be updated at the beginning of each year before merchandise is received and/or produced.

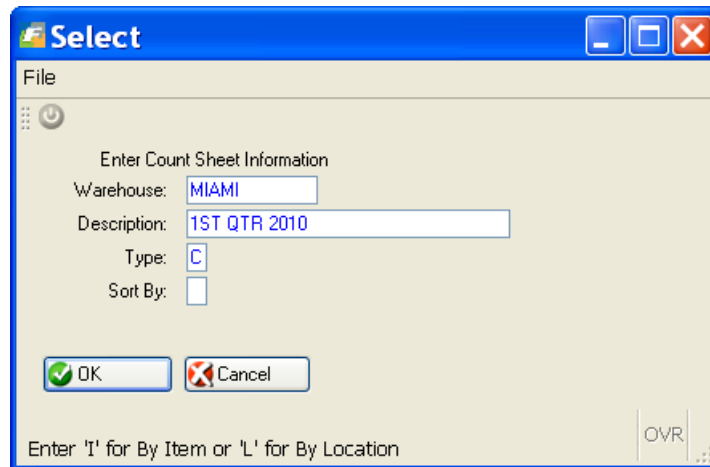
## FR1945- IC counts via barcode scanners

The following modifications to Fitrix Inventory Control were done to streamline the count processing steps.

**Create Count Sheets** – changed the existing report to:

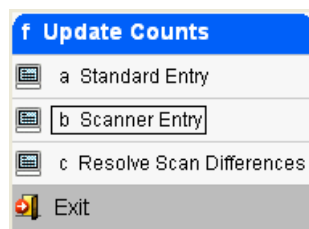
- Support sorting by item or bin location. The 'Enter Count Sheet Information' prompt will add an entry field for 'Sort By'





b. Print Lot/Serial details with quantity on hand

**Scan Counts** – this program is option (b) on the Update Counts submenu:



It accepts counts on a blank screen, typically (but not only) via barcode.

**Scanner Entry**

File Edit View Navigation Tools Actions Options Help

Scanner Item Summary

Find Prev Next Update Browse

Count Sheet No:  Warehouse:  Count Date:

Description:  Posted: ☐

Line	Item Code	Bin Location	Serial No	Lot No	Count Qty
1	1004-A	A1	FGS2172010		
1	1004-A	A1	FGS2182010		
1	1004-A	A1	FGS2192010		
1	1004-A	A1	FGS2202010		
1	1004-A	A1	FGS2212010		
1	1004-A	A1	FGS2222010		
1	1004-A	A1	FGS2232010		
1	1004-A	A1	FGS2242010		
1	1004-A	A1	FGS2262010		
1	1004-A	A1	FGS2282010		
1	1004-A	A1	FGS2292010		
1	1004-A	A1	FGS2302010		

1 of 1

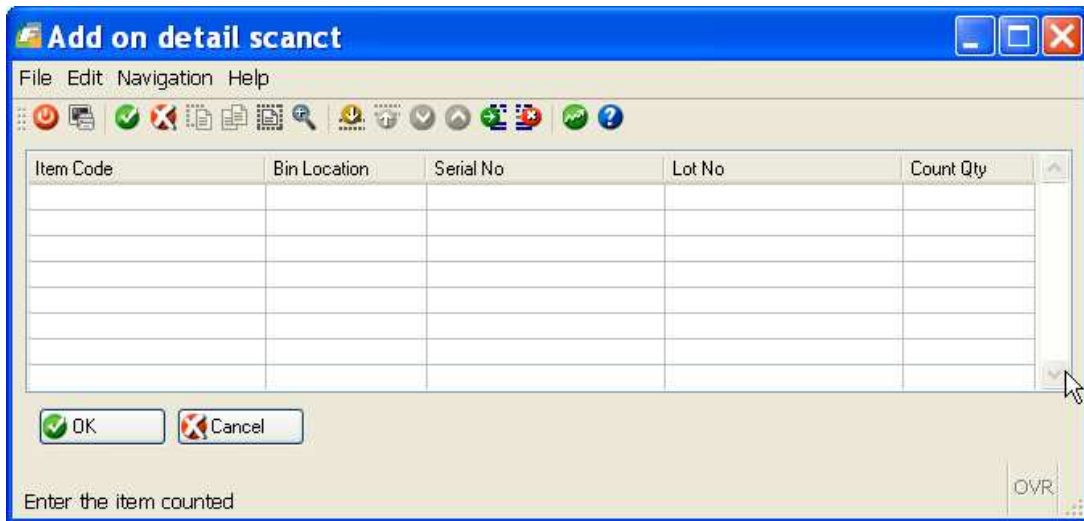
OK Cancel Header

Enter the item counted

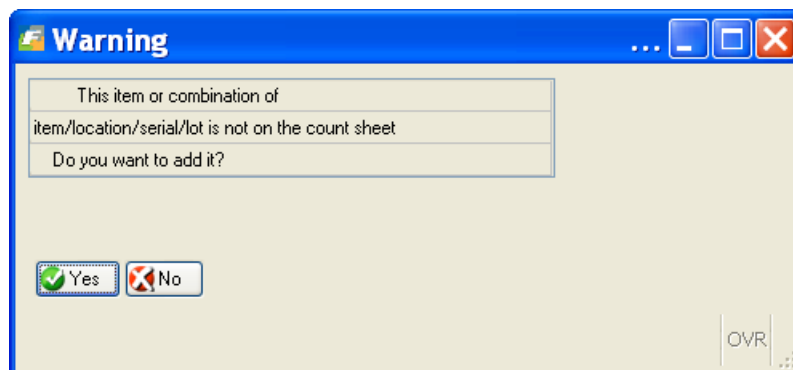
OVR

The user will:

1. Do a Find and select an existing count sheet number. The items included on the count sheet will display.
2. Click the button on the toolbar labeled "Scanner" and you will be placed into this blank scanner screen and can begin scanning in your items



If an item is scanned that does not exist on the count sheet you will receive this warning:



Once you are done scanning click OK and you will be returned to the main screen and scanned quantities will display.

**Scanner Entry**

File Edit View Navigation Tools Actions Options Help

Scanner Item Summary

Find Prev Next Update Browse

Count Sheet No:  Warehouse:  Count Date:

Description:  Posted:

Line	Item Code	Bin Location	Serial No	Lot No	Count Qty
1	1004-A	A1	FGS2172010		1.00
1	1004-A	A1	FGS2192010		1.00
1	1004-A	A1	FGS2192010		0.00
1	1004-A	A1	FGS2202010		1.00
1	1004-A	A1	FGS2212010		1.00
1	1004-A	A1	FGS2222010		1.00
1	1004-A	A1	FGS2232010		1.00
1	1004-A	A1	FGS2242010		1.00
1	1004-A	A1	FGS2262010		1.00
1	1004-A	A1	FGS2282010		1.00
1	1004-A	A1	FGS2292010		0.00
1	1004-A	A1	FGS2302010		0.00
2	1004-A	A1	FGS2252010		1.00

1 of 1

OK Cancel Header

Enter the item counted

OVR

You can also click on the item summary button on the toolbar to see in summary format the perpetual on hand quantity and the total quantity scanned.

**View detail itmddl**

File Edit Navigation Help

Item Code	Qty On Hand	Count Qty	Variance
1004-A	12.000	10.000	-2.000

OVR

**Resolve Scan Differences** - this program is option (c) on the Update Counts submenu. Any item where the scanned quantity is different than the perpetual quantity must be assigned a resolution code before the results can be posted and the on hand quantities updated.

User will do a Find and enter the count sheet number.

Line	Item Code	Bin Loc	Serial No	Lot No	Qty On Hand	Count Qty	Adjust Qty	Entered By	Disposition	Warehouse
1	1004-A	A1	FGS2172010		1.00	1.00	0.00	bettyb	No Action	
2	1004-A	A1	FGS2192010		1.00	1.00	0.00	bettyb	No Action	
3	1004-A	A1	FGS2192010		1.00	0.00	-1.00		Remove from Stock	
4	1004-A	A1	FGS2202010		1.00	1.00	0.00	bettyb	No Action	
5	1004-A	A1	FGS2212010		1.00	1.00	0.00	bettyb	No Action	
6	1004-A	A1	FGS2222010		1.00	1.00	0.00	bettyb	No Action	
7	1004-A	A1	FGS2232010		1.00	1.00	0.00	bettyb	No Action	
8	1004-A	A1	FGS2242010		1.00	1.00	0.00	bettyb	No Action	
9	1004-A	A1	FGS2262010		1.00	1.00	0.00	bettyb	No Action	
10	1004-A	A1	FGS2282010		1.00	1.00	0.00	bettyb	No Action	
11	1004-A	A1	FGS2292010		1.00	0.00	-1.00		Remove from Stock	
12	1004-A	A1	FGS2302010		1.00	0.00	-1.00		Remove from Stock	
13	1004-A	A1	FGS2252010		0.00	1.00	1.00	bettyb	Add to Stock	

There are five possible dispositions codes:

**No Action**- no action required as the perpetual and scanned quantities match.

**Remove from Stock** – item was short so quantity on hand will be reduced. Any items short will default to this disposition code.

**Move to Warehouse**- item was short but further investigation as to why is warranted. This disposition will reduce the quantity on hand in the count warehouse and move to an alternate warehouse of your choosing.

**Add to stock** – overage so quantity on hand will be increased. Any items found or where quantity scanned exceeds perpetual will default to this disposition code.

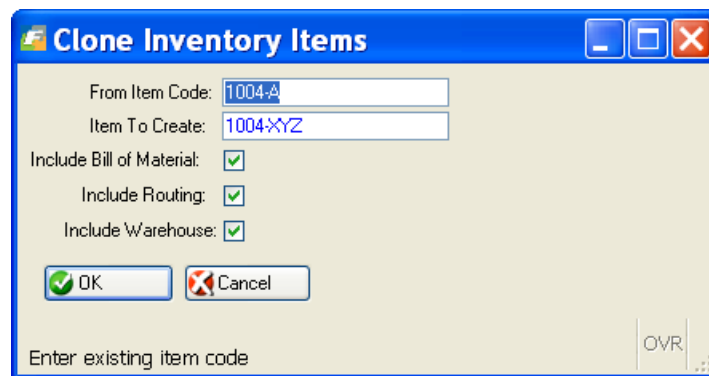
**Move from Warehouse** – item was found or scanned quantity exceeded perpetual quantity. Use this option if this overage was a result of moving the item from an alternate warehouse to the count warehouse.

Once all disposition codes have been set correctly, user may run the edit and post programs.

## FR2038 – Clone inventory items utility

This program allows you to create a new item from an existing one and have all the information associated with the existing item transferred to the new item.

Input screen:



**From Item Code** – enter an existing item code.

**Item To Create** – enter the new item code you are creating.

**Include Bill of Material** – check this box if you want the new item to have its bill of material cloned from the existing item.

**Include Routing** - check this box if you want the new item to have its routing cloned from the existing item.

**Include Warehouse** - check this box if you want the new item to have its inventory information (standard cost, list price, etc.) cloned from the existing item

## FR2040 – Item rename utility

This program converts an item code from one value to a new value in the item master and changes the associated entries in all application tables where the original item code is used.

Input Screen:



**From Item Code** – enter the existing item code that will be renamed.

**To Item Code** – enter new name for existing item code.

## FR2041 – Item merge utility

This program is option (r) on the Inventory Maintenance menu. This program allows you to merge all of the information for one item code (quantity on hand, serial numbers, sales activity, etc.) into that of another existing item code. The average weighted cost will also be updated.

Input screen:

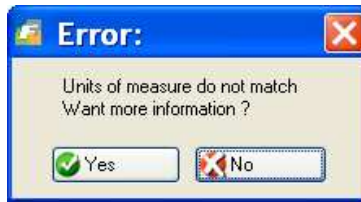


**From Item Code** – enter the existing item code that will be merged and then deleted.

**To Item Code** – enter existing item code you are transferring information to.

There are two checks in place:

1. If the two items do not have the same units of measure you will receive this error message and the merge cannot take place:



2. If the two items do not have the sale serial/lot flag setting in item master you will receive this error message and the merge cannot take place:



## FR2064 – Display item notes in sales order entry

A new check box has been added to the Update Inventory Control screen labeled “ Display Item Notes in OE”. If this box is checked notes entered at the item code level will display in Sales Order Entry program after you enter the item code.

 A screenshot of a software window titled "Default". It contains various input fields and checkboxes. On the left side, there are checkboxes for "Allow B.O.?", "Display Item Notes in OE?", "Taxable?", "Terms Disc?", "Trade Disc?", "Setup Complete?", "Batch Adjustments?", and "Require Approval to post?". On the right side, there are input fields for "Cost Method:", "Count Cycle:", "Item Class:", "Ret Days:", "Comm Code:", "Doc No:", "Post No:", and "Approval Code:". Some fields have values entered, such as "F" for Cost Method, "NON" for Item Class, "120" for INA Days, "60" for Ret Days, "STD" for Comm Code, "318" for Doc No, and "368" for Post No.

## FR2152 - Multiple pricing discount levels at item level.

Instead of using the special pricing functionality already in Fitrix you can now use the five new pricing discount levels we’ve added at the item level. It could be that for your retail customers you offer a 5 % discount but you offer a 10% discount to your wholesale customers, hence two different pricing levels. These discount percentages may not be across the board meaning your retail customers get 5% on some items but 10% on others so we’ve made these pricing levels item specific.

Five new fields have been added to the item master screen:



Price Levels

Discount Level 1:	2.00
Discount Level 2:	5.00
Discount Level 3:	10.00
Discount Level 4:	15.00
Discount Level 5:	20.00

Once you've set up your discount percentages you then enter the discount level on the OEINFO screen in the customer master:

Extension oeinfo

File Edit Help

Order Entry Information

Discount/Customer Class:

Salesperson: TM  TOM MACK

Pay.Method: AR

Ship Terms:

UPS Account:

Route Code:

Residential: N

Ship Complete: N

Discount Level:

OK Cancel

Valid values are 1 through 5.

OVR

In the example above this customer would received a 20% discount off list for this item since their discount level is 5.

## ORDER ENTRY

### FR1253- Lot number selection in order entry

You can now select the lots you want to ship when entering sales orders. If the item is lot number controlled this screen displays:

**Add on detail lot**

File Edit Navigation Help

Qty This Order:  On PO:

Bin Location	Lot No.	Serial No.	Qty Avail	Qty To Order	Expiry Date	Landed Cost
A1	222		8.000	5.000		1.0000
A1	222		20.000			2.0000

OK Cancel PO Details

Enter the quantity to order - Zoom to PO Detail.

OVR

The lots will be display in lot number order unless they have expiration dates associated with them. If they do, they will display in oldest expiration date first order.

## FR1297 – Sales Order cloning

There is new field on the Update Customer Orders screen labeled “Multiple Orders” and this defaults to N. If you want to create multiple sales orders, change this value to Y. For the initial sales order you enter, enter the total quantity for all purchase orders you want to create from this purchase order. In the example below, 4 orders with a quantity of 250 each will be created.

**Update Customer Orders**

File Edit View Navigation Tools Actions Options Help

Quit Print OK Cancel Cut Copy Paste Zoom Notes U Fields To Do View Detail Next Page Previous Page Insert Row Delete Row Technical status Help

Ship Dtl Nonstock Lines Alias Summary Defaults Credit Check Recalc Customer Ship-To Price Sales Invoice ItemMaster Loc/Lot Screen Tracking Make To Order

Find Prev Next Add Update Delete Browse Options

**Customer**

Customer:  Name:  Customer PO:  Contract:

**Ship To**

Ship To:  Ship Via:  Ship/Return Date:  Required Date:  Ship Complete: ☐

**Order**

Type:  Description:  Order Number:  Document:  Order Date:  Multiple Orders: ☒ Status:  Stage:  Currency:  Discount Code:  Order Total:

**Credit/Debit/RMA**

Reason:  Description:  Base Doc No:  RMA Ref Doc No:  Default Type:  To Be Invoiced: ☐

**Line Items**

Ln	Type	Stg	Item Code	Description	UM	Quantity	Price	Net Amount	CRM Rsn	BKO Ref
1	STK	ORD	12104	SCM A SERIES MULSTRIKE	EA	1000.000	1.2500	1250.00		
2	NEW									

OK Cancel Header

Enter the line type.

OVR

**Prompt**

Enter number of sales orders to create:

## FR1298 – Shipment tracking screen

Every time a sales order is entered in the database an entry is in the Shipment Tracking table. This screen program enables you to enter information relevant to your shipment that will aid you in tracking its progress.

**Shipment Tracking**

File Edit View Navigation Tools Actions Options Help

Quit Print OK Cancel Cut Copy Paste Zoom Notes U Fields To Do Technical status Help

Accounting Screen

Find Prev Next Update Browse

**Sales Contract Info**

Contract #  Status

SO

Customer

Consignee Name

Consignee Address

Notify Party Name

Notify Party Info

Terms

Destination

Product

Price

**Logistics Info**

Forwarder Name

Forwarder #

Booking #

Carrier

Container Size

Container Number

Seal Number

Load Location

Loading Date

Port of Exit

Vessel

Voyage

Trucking BOL #

Ocean BOL

Proof BOL Received

Send Original Docs

Docs send to customer

Release Requested

Release Received

Cut Off Date

ETD

ETA

**Purchase Contract Info**

Vendor

PO

Buyer/Trader

Gross  Lbs  MT

Net  Lbs  MT

Tare  Lbs  MT

**Transshipment Info**

Port	Trans No	Vessel	Voyage	ETA	ETD
<input type="text" value="PORT 1"/>	<input type="text" value="TRANS 1"/>	<input type="text" value="VESSEL 1"/>	<input type="text" value="VOYAGE 1"/>	<input type="text" value="02/25/2010"/>	<input type="text" value="02/25/2010"/>
<input type="text" value="PORT 2"/>	<input type="text" value="TRANS 2"/>	<input type="text" value="VESSEL 2"/>	<input type="text" value="VOYAGE 2"/>	<input type="text" value="02/26/2010"/>	<input type="text" value="02/26/2010"/>
<input type="text" value="PORT 3"/>	<input type="text" value="TRANS 3"/>	<input type="text" value="VESSEL 3"/>	<input type="text" value="VOYAGE 3"/>	<input type="text" value="02/27/2010"/>	<input type="text" value="02/27/2010"/>
<input type="text" value="PORT 4"/>	<input type="text" value="TRANS 4"/>	<input type="text" value="VESSEL 4"/>	<input type="text" value="VOYAGE 4"/>	<input type="text" value="02/28/2010"/>	<input type="text" value="02/28/2010"/>
<input type="text" value="PORT 5"/>	<input type="text" value="TRANS 4"/>	<input type="text" value="VESSEL 5"/>	<input type="text" value="VOYAGE 5"/>	<input type="text" value="03/01/2010"/>	<input type="text" value="03/01/2010"/>

3 of 1,228

The information that displays on this screen comes from the following sources.

**Sales Contact Info:**

**Contract #** - this is a display only field that displays the contract number assigned to the sales order when it was entered.

**SO** – customer sales order number.

**Status-** display only sales order status. Possible values are:

ACT – active

PST – posted

CAN - cancelled

**Customer** – display only field for the customer’s business name.

**Consignee and Notify Information** – this information is entered on the order summary screen when you enter the sales order but it can be modified here. Any modifications made here automatically transfer to the sales order summary screen.

There has also been a field to the summary screen where you can enter the deposit amount required from your customer before the order will ship. This amount displays on the Shipment Tracking screen accounting screen .

**Terms-** customer payment terms on the sales order.

**Destination** – from the sales order summary screen.

**Product** – if the sales order has only one item code, the item code will display here. If there are multiple item codes, the word “multiple” will display here.

**Price** - if the sales order has only one item code, the item code’s price will display here. If there are multiple item codes, the word “multiple” will display here.

**Purchase Contract Information:**

If the sales order has an order type of DIR or DRW4 meaning it is shipping directly from your vendor to your customer, a vendor PO is automatically created when the sales order is stored. The vendor business name, vendor purchase order number, and buyer/trader code will display in this section of the screen.

The weights that display here are the weights entered when the Vendor purchase order was received. If the shipment is an out of warehouse shipment the weights that display will be the weights entered prior to the Packing List being printed.

#### **Logistics Information:**

All the information in this section is entered using the Shipment Tracking screen program with the following exceptions:

**Trucking BOL #** - this is a display only field and this number is automatically assigned when the sales order is entered. The beginning truck bill of lading number you want to use for your company is entered in the Update Order Entry Defaults screen program

**Docs Send to Customer** – this is a display only field and displays the date entered in the Order Entry summary screen.

**Container #** - if this is a DIR/DRW sales order and therefore has a vendor purchase order associated with it, the container number entered with the purchase order displays here. A field for the container number has been added to the Update Purchase Orders header screen. The number entered must be 3 4 alpha characters followed by 7 numeric.

#### **Trans-shipment Information:**

All the information in this section is entered using the Shipment Tracking screen

#### **Accounting Screen:**

There is an icon on the Shipment Tracking screen labeled “Accounting Screen”.

**Deposit Required-** this is a display only field that displays what was entered on the Order Entry summary screen.

**Deposit Amount Paid** – this is a display only field that displays the deposit received from the customer posted through Update AR Cash Receipts.

**Ocean Marine Insurance** - this is a calculation. A field has been added to the Update Purchasing Defaults program where you can enter your ocean marine insurance rate per \$. The calculation is:

(total cost of merchandise on the order) /100 x ocean marine insurance rate.

## FR1299 – Export Shipping Forms

A suite of export forms has been added to order entry. Though the submenu these programs reside on is labeled Export Forms, these forms can also be used for shipments out of your warehouse.

For REG or out of warehouse shipments you must run both the Print Picking Ticket and Update Picked Quantities programs before you can print:

- Packing List
- Bill of Lading
- Commercial Invoice
- Provisional Invoice

For DIR/DRW shipments from your vendor to your customer you must first receive the vendor purchase order using the Update Receipts program before you can print:

- Packing List
- Bill of Lading
- Commercial Invoice
- Provisional Invoice

For both REG and DIR/DRW shipments you must enter shipment weights before printing the Packing List. See Feature 1300 in these release notes for how shipment weights are entered.

For both REG and DIR/DRW shipments you must run the Update Invoices/Memos program before printing the Final Invoice.

## **FR1300 – Assignment of Shipping Units**

A new screen program has been added where you can assign shipping units and weights to your shipments. This information will then print on the various export/shipping documents (see Feature 1299).

Prior to running this program you must first print a picking ticket and then run Update Picked Quantities program to update the quantities that were picked for the outgoing shipment. Once you've done this, select Update Weight Information program, do a (F)ind and enter the customer order number. Then go into (U)pdate mode and click on the Weight Screen icon on the toolbar to enter the shipping units and weights for each item on the order.

In this example, the customer order is for 100 lbs of widgets and they are shipping in two boxes; one weighing 60 lbs and the other weighing 40 lbs.

Unit	UOM	Gross	Tare	Net
1	BX	62.00	2.00	60.00
1	BX	41.00	1.00	40.00

## FR1304 – Unlinking direct purchase orders and customer sales orders

We've added the ability to unlink the purchase order from the sales order so it can be linked to another sales order. This is needed in the event the original customer cancels their order.

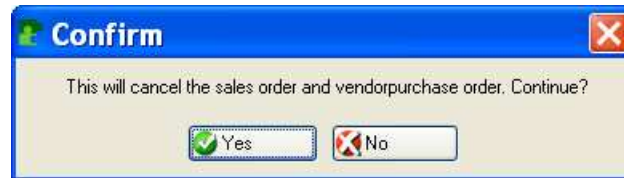
If you delete a customer sales order that has an order type of DIR or DRW you will receive the following prompt:

If you select yes the program will null out the customer code, ship to code, order number and document number and put you in update mode. You can then enter new customer and ship-to codes. When the order is saved, a new order number, document number, and contract number will be assigned; the vendor PO will be updated with the new order information; the shipment tracking table will be updated with the new information; and the original sales order will be cancelled. The field labeled "Orig Cust Doc



No” on the Update Vendor Purchase Orders screen will be set to the order number that was cancelled as an audit trail.

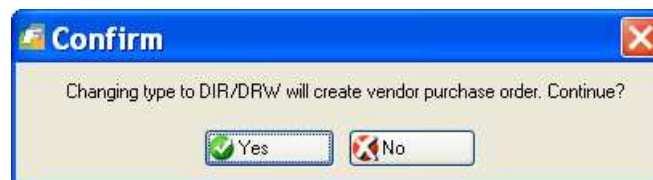
If you select no, you will receive this prompt:



If you then select yes, the sales order and vendor purchase will both be cancelled and the record for the sales order will be removed from the Shipment Tracking screen program. If you select no, there are no changes made and the original sales order and purchase order are retained intact.

### **FR1305 – Change DIR/DRW sales orders to REG sales orders**

The sales order is initially created with a REG order type (ship out of the warehouse order) and it not linked to a purchase order. You later determine that you want to ship the order directly from your vendor to your customer. The Order Entry logic has been change so that you can now change the order type from REG to DIR/DRW. When you do this you will be prompted as follows:



If you select yes:

A vendor purchase order will be created for the primary vendor for every item on the sales order.

The sales order's order type will be set to DIR/DRW and it will be linked to the purchase orders created.

The purchase order information for each purchase order created will display in the tracking screen for this sales order.

## FR1307 – Change DIR/DRW sales orders to REG sales orders

If you initially enter the sales order with a DIR order type but then decide you want to ship it from your warehouse you now have the ability to change the order type from DIR to REG. When you do this you will be prompted for the warehouse you are going to ship the merchandise from:



Once you click on OK or press Enter to continue, the following updates will take place:

1. For any items where there is not sufficient quantity on hand to fill the order the back order screen will display so that you may then either reduce the quantity on the order or decide to backorder the item.
2. The order type will be changed to REG .
3. The vendor purchase order that was linked to the sales order will be cancelled.
4. The vendor information on the Shipment Tracking screen will be updated accordingly.

## FR1397 – Increased size of order number

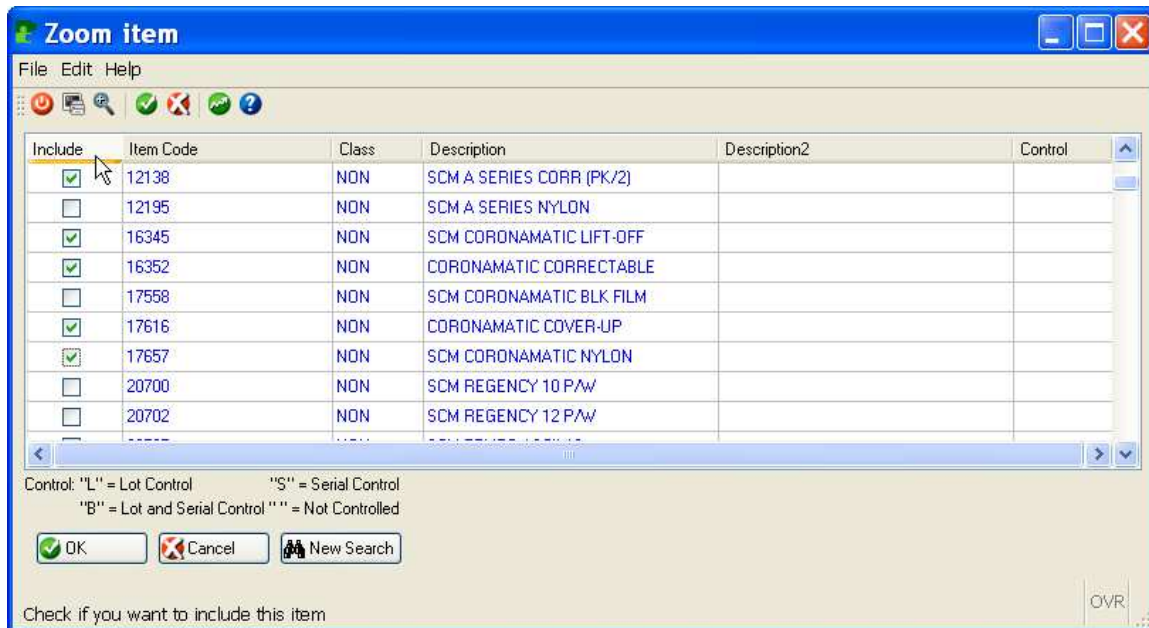
Both the customer sales order number and vendor purchase order number have been increased to 20 alphanumeric characters.

## FR1363 - Ability to post one sales order at a time

You now have the ability to post individual sales orders rather than posting a batch of sales orders.

## FR1537 - Selection of multiple item codes

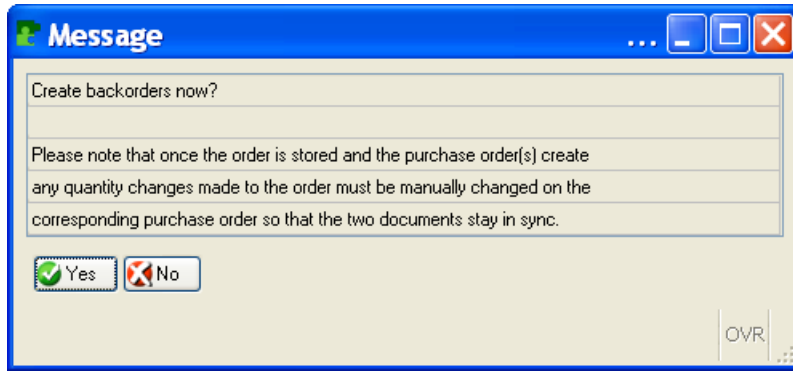
We've added the ability for the user to select multiple items from the item code zoom screen when entering customer orders. Simply check the new check box to select the item you want. When you click on OK all items selected will display in the detail section of the sales order. You then enter the quantities the customer wants to order.



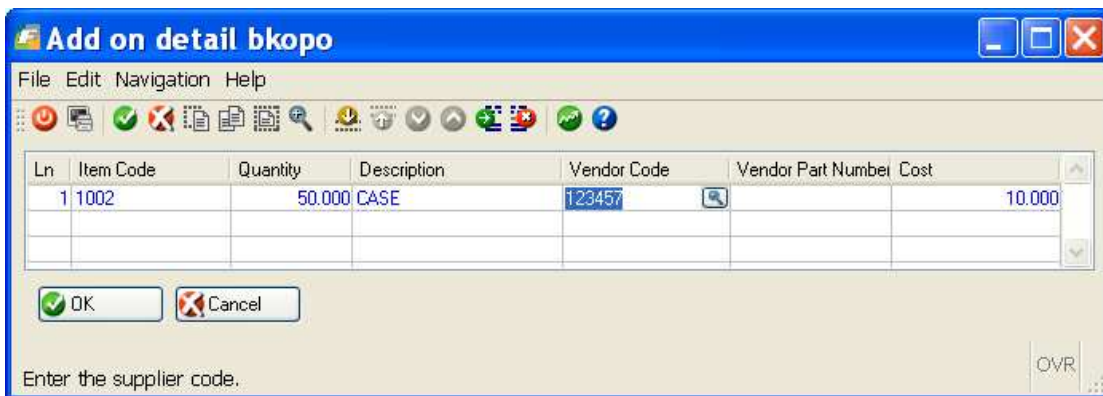
## FR1538/1904- Auto creation of purchase orders

Functionality has been added so that you can now create purchase orders while in the order entry program for all items that are backordered on the sales order instead of using the Purchasing Requisition programs.

When the order is stored this prompt will display if there are any part numbers with a line stage of BKO:



Select yes if you want to create purchase orders. When you select yes this screen will display:



The vendor selected is the primary vendor found in the item catalog (if one exists).

If you want to select all vendors in the catalog or a vendor that is not in the catalog click on the magnifying glass or press control Z to receive this prompt:



If you answer yes, all vendors found in catalog only will display. If you answer No all vendors will display. If you change the vendor code and this vendor is not in the item catalog: you will received this prompt



If you will be purchasing this item from this vendor again select yes.

When the vendor PO is received the sales order number it is linked to will print on the PO receipts report and the line stage on the sales order will change from BKO to ORD.

## FR1539 – Shipment routing codes in order entry

New fields have been added to the customer master screen OE Info screen and the ship-to screen so that a shipment routing code can be enter. The Order Entry program has been modified to first look at the ship-to code to retrieve the routing code and if not found there look at the customer record to retrieve the routing code. The routing code selected is then inserted into the Order Entry summary screen.

The picking ticket print program has been modified to first print all picking tickets with no routing code and then group subsequent picking tickets by routing code. By doing this all orders that are to be shipped on the same route will print together and this enables you to group these shipments on the same outbound truck.

You may also print picking tickets by routing code by entering the code in the picking ticket selection criteria screen.

**Select whse**

File

Picking Document Warehouse Selection

Warehouse:

Customer:

Order Date:

Order Number:

Order Document Number:

Route Code:

Ship Date:

OK Cancel

Enter warehouse codes (blank selects all). OVR

## FR1600 – GL distribution on nonstock items

The GL distribution for orders and purchase orders for nonstock items (NON/DRN) was incorrect. The nonstock screen that displayed in order entry initially defaults the GL acct # in the Update Order Entry Defaults sales account number. This account # then populated the sales order's sales account number and the purchase order's cost of sales account number. The net affect when the PO was posted to Accounts Payable was this:

Debit    AR for SO amount (OK)  
Credit   AP for PO amount (OK)  
Debit    Sales for PO amount (should be a cost of sales account)  
Credit   Sales    for SO amount (OK)

Basically what was recorded to the GL and shown on the income statement is a sales amount net of cost instead of the gross sales amount and then a separate cost of sales amount.

So that the purchase order posts to cost of sales a new field for a cost of sales account number has been added to the Update Non Inventory Items screen:

**Update Non-Inventory Items**

File Edit View Navigation Tools Actions Help

Find Prev Next Add Update Delete Browse

Item Code: CPAPER811

Vendor Code: 123476 COSTCO WHOLESALE

Commodity Code:

Description: COPY PAPER 8.5 X 11

Purchasing Unit: CS

Weight: 10.000 Unit: LB

Volume:

Sales Account No: 400000000

Cost of Sales Account No: 704000000

Taxable?: N

Subject to Trade Discount: N

Item Type: N

Commission Code: STD STANDARD COMMISSION RATE

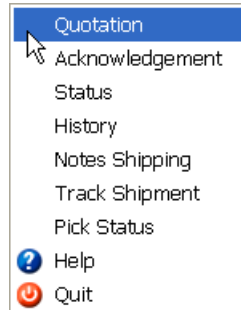
1 of 1

OVR

When setting up nonstock items this account number will initially default to the Non- stock account number in the Update Purchasing Defaults program but it can be changed.

## FR1607 – New report program for customer quotations.

This new report can be accessed from this drop down menu in order entry or it can be run from the menus for sales orders with order type QUO.



FOURTH GENERATION™ Multitask Financial & Distribution Software		Fourth Generation Software Solutions 700 Galleria Parkway, Suite 480 Atlanta, Georgia 30339 (770) 432-7625		QUOTATION		PAGE 1
Sell To:		Ship To:				
CLASSIC PARTS UNLIMITED INC 22501 72ND CLEARING POINT BUSINESS CENTER SOUTH BED IN 04494 US		CLASSIC PARTS UNLIMITED INC 22501 72ND CLEARING POINT BUSINESS CENTER SOUTH BED IN 04494 US USD				
Ship Terms: PREPAID SHIP POINT						
QUOTE NO	QUOTE DATE	CUSTOMER	SALESMAN	PURCHASE ORDER	SHIP VIA	TERMS
4321	08/02/10	12	BJ		BEST WAY	E
QUOTED	ITEM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE		
10.000	1002	CASE	75.0000	750.00		

## FR1624/1625 – Resale tax number and expiration date

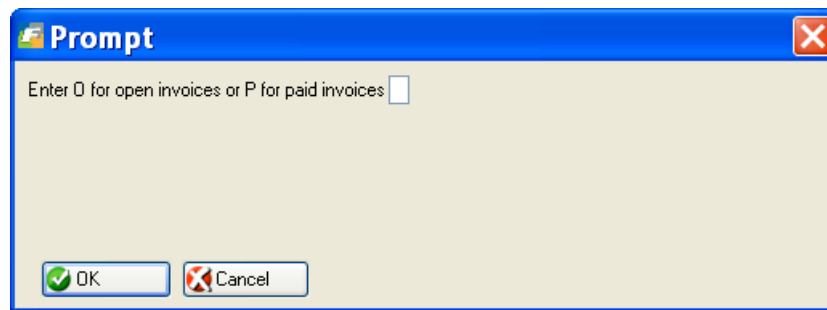
Two new fields have been added to the customer information screen to store this information and when entering sales orders this information automatically transfers to the Order Entry defaults screen.

## FR1680/1800 – Made to order logic

A new line type “MTO” has been added and should be used for items that are Made to Order. When this line type is used, a production work order is automatically created. The line stage is initially set to NEW and when the product is made and put into stock the line stage is changed to ORD. If the quantity on the sales order is greater than 1 you have the option of creating one work order for the entire quantity or an individual work order for each item.

## FR1763 – Commission report on open invoices

Previously the commission report could only be run for paid invoices. You now have the option to print it for unpaid invoices.



## FR1801 – Held sales orders

When sales orders are entered, there is now an option for them to be saved initially as ‘Held for processing’. They can then be released by an authorized user. Until they are released, they:

- Cannot have a pick list generated
- Will not allow any transactions against their associated Production Order:

No production packet or pick list

No Component Issue

No Production Receipt

Cannot allow pick entry, ship entry, or invoice entry

The order can only be changed back from ORD to HLD if the pick ticket has not been printed.



If the sales order automatically creates purchase orders, any purchase orders created will also be held until the sales order is released from hold.

There have been two new fields added to the Update Order Entry Defaults screen program.

**Initial Order Stage**- valid values are HLD and ORD. When orders are initially entered the stage will default to whatever value is found here.

**Hold Release Auth** – enter the password that must be used to change the stage on the sales order from HLD to ORD.

## FR1804 - RMA processing for returns from Customers.

The screenshot displays the 'Update Customer Orders' application window. It features a menu bar (File, Edit, View, Navigation, Tools, Actions, Options, Help) and a toolbar with various icons for file operations and navigation. The main interface is divided into several sections:

- Customer:** Fields for Customer (12), Name (CLASSIC PARTS UNLIMITED LLC INC), Customer PO, and Contract.
- Ship To:** Fields for Ship To (SHIPTO), Ship Via (BEST WAY), Ship/Return Date (06/17/2010), Required Date, and Ship Complete (checkbox).
- Order:** Fields for Type (RMA), Description, Order Number (4194), Document (4194), Order Date (06/17/2010), Multiple Orders (checkbox), Status (ACT), Stage (INV), Currency (USD), Discount Code (NONE), and Order Total (-12.50).
- Credit/Debit/RMA:** Fields for Reason (WRONG), Description (WRONG ITEM ORDERED), Base Doc No (4138), RMA Ref Doc No, Default Type (RMA), and To Be Invoiced (checkbox).
- Line Items:** A table with columns: Ln, Type, Stg, Item Code, Description, UM, Quantity, Price, Net Amount, CRM Rsn, and BKO Ref. It contains one line item: 1 STK, INV, 12104, SCM A SERIES MULSTRIKE, EA, 10.000, 1.2500, 12.50, RMA.

At the bottom, there is a 'View Detail' button and a status bar showing '103 of 109' and 'OVR'.

A new order type “RMA” has been added so that customer may return merchandise to you. This return can be associated with the original sales order as an audit trail and you can also specify the reason for the return. The item(s) will be returned to stock or scrapped and a credit memo will be created for your customer when the return is posted. Some of the functionality associated with this feature includes:

- Multiple reasons codes per return
- Ability to charge restocking fees
- Select from a list of items from the original sales order
- Reship replacement or repaired items covered by warranty and tie this shipment back to the RMA order.
- RMA history report that lists the number of RMAs issued each month by reason code and compares the total issued to prior years.

For a more detailed description of how RMAs are processed please see the Order Entry User Guide at [www.fitrix.com](http://www.fitrix.com) (click on the Support TAB and then click on the documentation link).

## ***PAYROLL***

### **FR1295/1315 – Display accrued vacation and sick time**

There have been new fields added to the Update Timecards program and the Update Payroll Entries Income Codes screen for the following:

Vacation Time Accrued  
 Vacation Time Used  
 Net Available

Sick Time Accrued  
 Sick Time Used  
 Net Available

### **FR1588 – Overflow advices for payroll checks**

This feature works very similar to the AP check remittance advice.

If the number of income codes and/or deduction codes exceeds the maximum number that will fit on the check stub:

1. Print one less than will fit on the stub. On the last line print “See attached for additional earnings/deductions”.
2. Still print grand totals on the check stub.
3. When user gets back to print redirect box, it will prompt user to print the overflow advice.

**FR1699 – Print number of checks processed on the check posting report as a cross check**

**FR1760 – Print W2 forms for individual employees instead of in batch.**

**FR1775 – Federally mandated deductions now supported by Fitrix**

**Additional Federal Tax Withholding:**

IRS Form W4 allows for the employee to enter a dollar amount to be withheld from each paycheck in addition to the Federal Taxes calculated from earnings. In addition to the flat amount on Form W4, a percentage of gross earnings will also be accommodated that would allow employees the flexibility to choose how the additional amount would be calculated. Some employees may choose to use a combination of both methods.

**Please note that even though you may have two codes in the employee record, one for federal tax withholding and one for additional withholding all taxes withheld will display under the federal tax withholding code not both. This is so the tax amount on the W2s is correct.**

**Federal Tax Calculation for Bonus Amounts paid outside of normal payrolls:**

IRS Tax law requires employers to withhold a minimum of 25% of gross wages for bonus amounts not paid at the same time as a standard payroll. Some employees may wish to withhold at a higher percentage. For system flexibility, a flat amount has been provided for in addition to the percentage.

**Federal Tax Levy (Garnishments):**

Tax Levies are imposed by the IRS to recover delinquent taxes from an employee using IRS Forms 668-W(c), 668-W(c)(DO), and 668-W(ICS). The amount of the levy will differ depending upon the IRS ruling with the employee. Three methods have been used in the past to collect the levy. Method 1 is a flat amount that is deducted from each check that the employee receives, either payroll or bonus. Method 2 is calculated as a percentage of the disposable income. Disposable income is generally defined as gross wages less any taxes and court mandated obligations. Method 3 is all wages, salary and other income except for the exempt amount found in IRS publication 1494. In effect, the IRS is dictating the amount of pay the employee will receive as the net check amount before any voluntary deductions. In addition, an employer is allowed to charge a service charge fee to the employee if the deduction is deducted on this check. These deductions take precedence over voluntary deductions and require vendor

payments. A detailed list of employees with this deduction along with identifying data is required to accompany the vendor payments.

#### **Child Support (Garnishments):**

Child Support Garnishments are payroll deductions that are mandated by state and county governments. These deductions take precedence over voluntary deductions and require vendor payments to the Attorney General or other like entities. A detailed list of employees with this deduction along with identifying data is required to accompany the vendor payments. This deduction is generally a court mandated flat amount, however, the amount of the deduction may not exceed a certain percentage (generally 50%) of the employee's disposable income. Disposable income defined for child support is gross wages minus any applicable taxes. On the garnishment deductions, there is also a field for the vendor code that is to be paid this deduction. This allows for reporting by the vendor code and also allows for the accounts payable entries to be made automatically by payroll.

For more information on how the screens and tables have changed to support these deductions please see the Fitrix Payroll Addendum at [www.fitrix.com](http://www.fitrix.com).

## ***PRODUCTION ORDER PROCESSING***

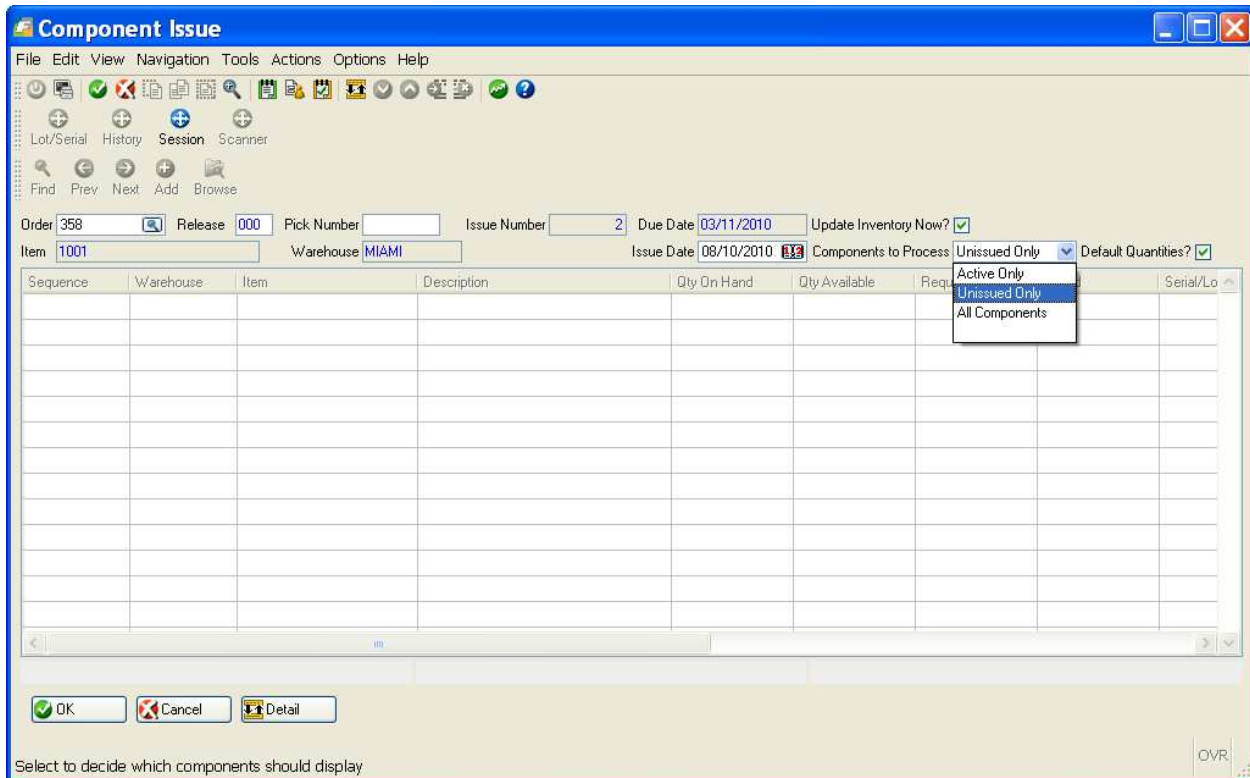
### **FR1802 – Display of components**

A new combo box field has been added to the Component Issue program "Components to Process". Valid values are:

All Components - Shows all components, regardless of quantities already issued (

Active Only - Ignores components where status = 'C' (closed)

Unissued Only - active components, where already issued is less than the total qty required



## FR1803 – Serialized components

In the Component Issue program, a new column has been added labeled Serial/Lot where use can enter a single Serial/Lot #. This is useful when production orders have a quantity of one, and typically one unit of a serialized component is issued. It prevents the display of the additional detail window where a list of serial numbers is displayed and the user has to pick from this list.

## FR2022 – Component Short screen

When entering a production work order where one or more components are short:

1. Enter a production order where one or more components is short, user clicks OK to save order, a prompt will display 'Create PO's for short components now? Select yes
2. On the next window, check multiple components, and assign to the same (or different vendors). When you click OK, prompt will display 'POs created'.
3. User can select only vendors that have the item in their catalog or do a new search and select ant vendor.

Instead of creating a separate PO for each component, the components will be consolidated by vendor code selected.

## FR2023 - Assignment of responsible party

A new screen program has been added to the Production Order File Maintenance menu.

Use this program to enter codes for responsible parties for production work orders. One code must be marked as the default and it will be this code that is assigned to production work orders that are automatically created from order entry.



This code can be updated in the following programs based on who is responsible for the work order at its current stage in the process:

- Order Processing (production work orders)
- Operations Close Out

## FR2025 – Components not scanned in production receipt.

In the Production Receipt program, user cannot receive the product until all components have been scanned. A warning message will display and the transaction will be cancelled. To continue MCE will either need to issue all components or go to order close out program and change component issue from partial to complete.

## FR2031 – Vendor selection on component short screen in production order entry

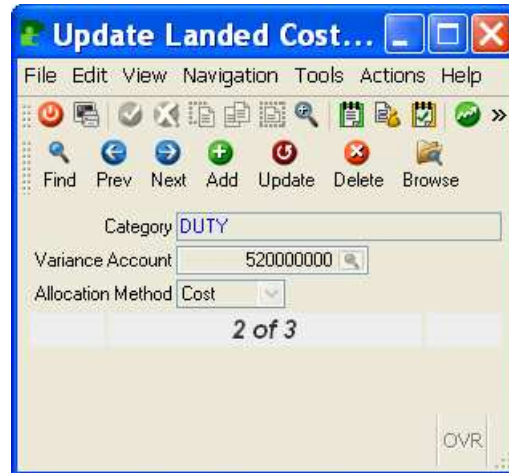
Allow user to select vendors that are not in the item's catalog.

## ***PURCHASING***

### **FR1245 – Landed Cost**

This feature gives you the ability to receive merchandise at landed cost which will be the sum of the item's cost, freight charges, broker fees, and any other costs associated with the merchandise. This will ensure that the profitability of the item is accurately reflected to include its total landed cost when sold.

The first step in using the landed cost feature is to set up your cost categories.



These cost categories are then used to enter estimated costs when the vendor purchase order is entered.

**Category** – this is a 30 character field where the name of the cost category is entered.

**Variance Account** – this field is used to enter the GL account number that any variances between estimated and actual costs will post to. See the discussion below on the Post Landed Cost Variances program.

**Allocation Method** – enter the value here to determine how additional merchandise costs such as freight should be allocated to the product when you receive the purchase order so that the item's cost is a true landed cost. Valid values are:

**W-** cost will be allocated based on the item's weight. If this method is used it is imperative that you have assigned a weight to the item when it was set up using the Update Inventory Information program. If a purchase order can have items on it with different units of measure (LB vs. OZ) then this method should not be used as there is no mechanism in place to calculate a common UOM to be used for all items when apportioning the cost.

**V** – cost will be allocated based on the item’s volume. If this method is used it is imperative that you have assigned a volume to the item when it was set up using the Update Inventory Information program.

**C** – cost will be allocated based on the item’s cost as it relates to the receipt as a whole.

**Q** – cost will be allocated based on the item’s quantity as it relates to the receipt as a whole.

**M** – cost will be manually allocated by the user.

Once you have your categories set up you can attach the category and its cost to your purchase orders. When the merchandise is received your item cost will be the cost of merchandise plus any additional costs such as duty that have been prorated to the item.

If there is a variance between the landed cost used at time of PO receipt and the cost that you are actually invoiced from your vendor, you can process that difference to the variance account assigned to the cost category.

For more information on Landed Cost, go to [www.fitrix.com](http://www.fitrix.com) and review the Purchasing User Guide.

## **FR1300 – Assignment of shipping weights**

When receiving a DIR/DRW purchase order (a shipment from your vendor to your customer) you can now enter shipping units and weights and this information will print on the various Export/Shipping forms discussed in these release notes (see feature 1299).

When you receive a DIR/DRW purchase order using the Update Receipts program you will receive the following prompt when you try to store the transaction if you have not entered shipping units and weights:



If you select yes you will must enter the detail section of the screen and click on the Weight Screen icon on the toolbar for each item code on the receipt to enter the units and weights.

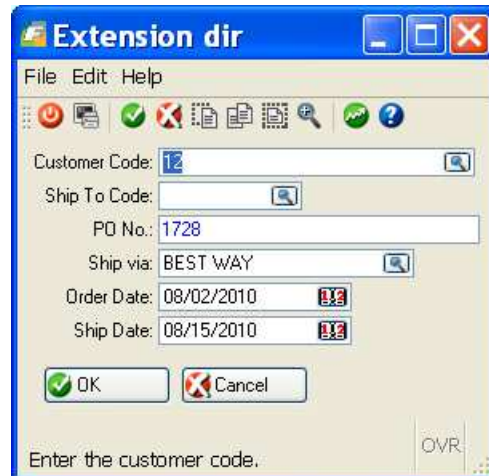


## FR1306/1742 – Change REG purchase orders to DIR/DRW purchase orders

There may be on occasion the situation where you want to lock in a price with your vendor for a shipment that will be shipped directly to your customer before the sales order from the customer is received. In this situation the vendor purchase order will be created with an order type of REG and there is no customer sales order. The Update Vendor Purchase Orders program has been modified so that you can change the purchase order's order type from REG to DIR or DRW. When you do this you will be prompted as follows:



If you select yes, you will then be prompted for the following information so that the corresponding sales order can be created:



When the purchase order is saved, the sales order will be created and an entry will be made in the Shipment Tracking screen program.

## FR1308 – Purchase Order cloning

There is new field on the Update Vendor Purchase Order screen labeled “Multiple Orders” and this defaults to N. If you want to create multiple purchase orders, change this value to Y. For the initial purchase order you enter, enter the total quantity for all purchase orders you want to create from this purchase order. In the example below, 4 orders with a quantity of 250 each will be created.

**Update Purchase Orders**

File Edit View Navigation Tools Actions Options Help

Quit Print OK Cancel Cut Copy Paste Zoom Notes U Fields To Do View Detail Next Page Previous Page Insert Row Delete Row Technical status Help

Details Status Summary Defaults Vendor Payto Print Landed Cost

Find Prev Next Add Update Delete Browse Options

Type: REG Vendor: 123457 CHAMPION  
PayTo: ATL1 Status: ACT PO No: Doc.No:  
Stage: ORD PO Date: 07/30/2010 Required Date: 07/30/2010  
Terms Code: C Terms Description: NET PAYMENT 15 DAYS  
Buyer: CATHY Ship Via: BEST WAY Order Total: 4500.00  
Warehouse: MIAMI FOB: DESTINATION  
Confirmed To: Currency: USD  
Cust Doc No: Orig Cust Doc No: Production Order:  
Confirm Date: On Board Date: Multiple Orders: Y  
Contract: Contact Name: Container:

N	Ln	Type	Stg	Item Code	PU	Quantity	Cost	Net Amount
	1	STK	ORD	12102	EA	1000.0000	4,5000	4500.00

Description: SCM A SERIES NYLON  
G/L Account: 120000000 000

OK Cancel Header

Enter the line type. OVR

**Prompt**

Enter number of purchase orders to create: 4

OK Cancel

### **FR1362 – Increase PO number size and additional attention to field.**

The purchase order number has been expanded to twenty characters on screen and report programs.

A new field has been added to the Purchase Order header screen for Contact Name. The name entered here will print in the purchase order underneath the vendor code preceded by the word "Attention".

### **FR1378 – New DRW purchase order type**

DRW stands for Direct Shipment to Warehouse. This order is used for customer orders that will be shipped directly from your vendor but first must become your property for inspection purposes, shipping arrangements etc. DRW orders work exactly like DIR orders with the following exceptions:

1. When the purchase order is received, your quantity on hand is increased (though committed to a specific customer order) and this entry is made to the General Ledger

Debit Inventory  
Credit AP Holding

2. When the purchase order is entered into Accounts Payable this entry is made to the General Ledger:

Debit AP Holding  
Credit Accounts Payable

## FR1540 – PO receipt by vendor

A new program has been added that allows you to receive purchase by vendor. Once the receipt is saved you will be prompted to post the transaction.

PO No.	Item Code	Description	Qty To Receive	Qty Received	Landed Cost	Extended Cost	Posted
1128	SONCDX4040	SONY (R) CDX-4040 AM/FM/CD	10.000	0.000	196.0000	0.00 N	
1153	3688760C1-MTG	PLATE LIGHT MTG - CUSTOMER	100.000	0.000	10.0000	0.00 N	
1361	07005	TEST	15.000	0.000	5.0000	0.00 N	

## FR1765 – Purchase Replenishment report

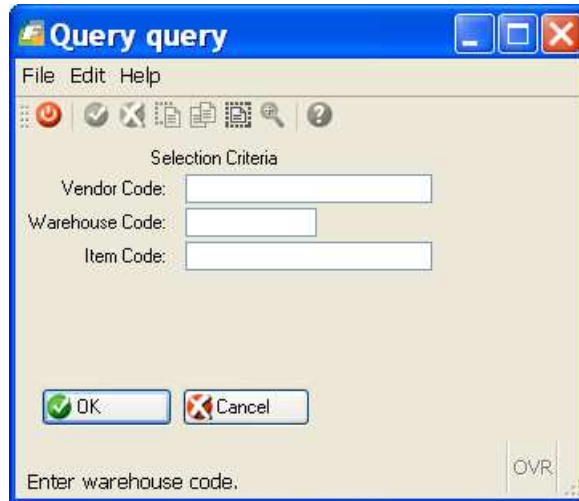
This report helps you determine what products needs to be purchased.

Please note that this report is too wide to view if you redirect to the screen so your options to view the entire report include:

1. View via PDF
2. View via Word editor
3. Export to Excel.

There are three selection criteria screens:

### Screen 1:



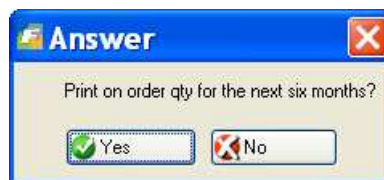
### Screen 2:

Enter the most current month/year of usage you want to print on the report and the 11 months previous usage will also print.



### Screen 3:

If you would like to see the purchase orders for each item that are due to come in within the next six months, click Yes.



The information that prints is as follows:

Primary vendor code as assigned in the item catalog  
Item code  
Warehouse code  
Unit cost charged by primary vendor  
Purchase unit of measure  
Sales usage per month  
Total Usage  
Average Usage for 12 months  
Available on hand  
On order with vendors  
Total = Available + On Order  
Months on hand = Total/Average (if average usage is 0 then Months on Hand will print "No Usage").

### **FR1804 - RMA processing for returns to Vendors.**

A new purchase order type "RET" has been added so that you may return merchandise to your vendor. This return can be associated with the original PO as an audit trail and you can also specify the reason for the return. This is in effect an entry of a negative PO. The item(s) will be removed from stock and a debit memo will be created to your vendor when the return is posted.

## FR1806 –Held purchase orders

When purchase orders are entered, you now have the option to initially save them as 'Held for processing'. They can then be released by an authorized user. Until they are released you:

- Cannot print the purchase order
- Cannot receive the purchase order
- Cannot post the PO to AP

Once the purchase order has been printed the stage cannot be set back to HLD.

Two fields have been added to the Update Purchasing Defaults screen program.

**Initial Order Stage**- valid values are HLD and ORD. When purchase orders are initially entered the stage will default to whatever value is found here.

**Hold Release Auth** – enter the password that must be used to change the stage on the purchase order from HLD to ORD.

## FR1808 – Receipts for production orders

The Expected Receipts report in Purchasing now lists the production orders waiting on the parts received. This information includes:

- Production Order number
- End Item
- Sales Order
- Sales Person
- Sales Order To Ship date
- Customer
- Total Qty Required
- Qty Issued, if any

## FR2024 – End of life date added to vendor catalog

This new field has been added to the vendor item catalog screen so that you are aware of when your vendor will discontinue the product.



**Update Vendor Catalog**

File Edit View Navigation Tools Actions Help

Find Prev Next Add Update Delete Browse

Vendor Code: 123457 CHAMPION INC Curr:

Contact: JIM M PELIN Phone: 404 265 8364

Item Code/Vend Item	Description	Item Cost	Vendor Item Code	End of Life
013381	CHASE SLIDE NON-PIVOT	12.0000		12/31/2010
017030	CBL SHLD 2M IO BOARD	0.2500		
019923	SMART UPS 22200VA RM 2U	25.0000		

1 of 1

[View Detail](#)

OVR

## FR2066 – Post individual purchase orders

You now have the ability to post individual purchase orders rather than posting a batch of purchase orders.

## ***ADDITIONAL MANUFACTURING MODULES***

Version 5.40 includes four manufacturing modules: Bill of Material , Standard Routing and Materials Resource Planning.

### **Bill of Material**

The Bill of Material module identifies a standard list of items, or components, required to produce a different, or parent, item. It defines the relationships between items being produced and the items needed to produce them. A produced item can be composed of one or more items which might be purchased, assembled, fabricated or changed in some way to create a new item. This new item may be sold directly, or used itself to make another item in a product's structure.

These bills of material are used by other modules within Fitrix to streamline business processes, provide effective planning tools, and to manufacture products in a consistent and timely manner.

- Production Order Processing – uses standard bills of material when creating production orders to manufacture products. The standard bill is copied to the production order bill as a starting point
- Material Planning – uses standard bills of material to plan strategic production and purchases, in support of a longer term production plan

### **Features/Function Highlights**

#### Item Maintenance

- Global entry option
- Departmental entry option
- 80 character description
- User-Defined units of measure
- Purchase unit of measure with conversion
- Multiple user-defined reference table entries
- Multiple user-defined fields
- Single-Level and cumulative lead-times
- Phantom items
- Inventory and non-inventory items
- Unit cost breakdown includes Material, Labor, Setup, Overhead, Outside Process
- Direct access to additional maintenance for Bill of Material, Standard Routing, Warehouse balances
- Unlimited notes for additional description

#### Bill of Material Maintenance

- User-defined component sequencing
- Multiple uses of same component with same parent
- Component links to standard routing

- Bill of material copy
- Component mass replace
- Component mass delete
- Bill of material delete
- Component effective dates
- Alternate components
- Parent component notes

#### User-Defined Reference Tables

- Product code
- Group code
- Commodity code
- Accounting code

#### EOQ Calculator

- Analyzes movement history to determine optimum order quantity

#### CMLT (Cumulative Material Lead Time) Calculator

- Analyzes indented bill of material, standard routings to determine overall time to buy/make

#### Inquiries

- Item - departmental format
- Bill of material: Single level format, Indented format, Access to notes
- Component where-used: Single level, End item

#### Reports

- Item list - departmental formats
- Sales catalog - quick reference for pricing, description
- Bill of material: Single level format, Indented format
- Component where-used: Single level, End item

## **Production Order Processing**

The Production Order Processing module controls the movement of materials during the production process. Production is managed through the use of production orders. These orders indicate the quantities and due dates of items being manufactured. They also contain lists of materials required, extracted from the standard bill of material, and expected operations, from the standard routing. Production receipts and component movement are reported here.

Production orders are the foundation supporting the ability to manage manufacturing operations. Orders are 'Released' in response to demand for an item being sold, or being used in a higher level item.

Once released, the orders are used to manage material, labor, overhead, and outside processes, with the expectation that an expected quantity will be completed within a specific timeframe. Reports and inquiries are available to analyze current production status, and act on exceptions requiring attention.

## **Features/Function Highlights**

### Order Type Maintenance

- Indicates standard bill of material, standard with changes, or manual entry
- Indicates standard routing, standard with changes, or manual

### Hold Code Maintenance

- Prevents activities for an order downstream of order entry

### Reason Code Maintenance

- Assigned to production scrap transactions, for later reporting purposes

### Accounting Code Maintenance

- User-defined codes to translate to accounting entries when interfacing to General Ledger

### Order Entry/Maintenance

- Use standard bill of material or make changes
- Use standard routing or make changes
- Uses a copy of standard bill of material and routing.
- Changes don't affect original bill or routing
- Components can be added to the order
- Component and routing standard notes are copied into the order
- Orders are created on-line; no batch processing

### Order Split

- Unlimited splits per order
- Split order is tracked separately

### Transaction Processing

- Component allocation - components can be allocated in advance of issue, by location, lot, serial number, and FIFO date
- Component issue – with default quantities, or manually entered
- Component transfer - allows transfer of issued material from one order to another
- Component scrap

- Production receipt – with optional backflush of components
- Production scrap – with assignment of a reason code

#### Inquiries

- Current order status
- Order history

#### Reports

- Current order status
- Order history
- Order component shortages
- Item shortage

## **Standard Routing**

The Standard Routing defines the non-material resources needed to support the production of items. Each produced item can be defined with one or more Routing Steps, identifying the types and amounts of production resources required. These steps identify setup and run hours required, as well as work centers, machines, departments, teams and employees to be used.

In addition, the module defines initial capacities of company resources. These capacities are used by other Fitrix modules to highlight situations where resources are over or under-utilized.

- Production Scheduling – analyzes load vs. capacity for open production orders
- Capacity Requirements Planning - analyzes load vs. capacity for open production orders, and longer term planned production orders

## **Features/Function Highlights**

#### Routing Maintenance

- User-Defined routing sequence
- Links to standard operations
- 30-character base description
- Unlimited routing step notes
- Inside or outside process
- Resource definitions for Work Center, Machine, Team, Department
- Primary and alternate steps
- Scheduling based on labor hours or machine hours

#### Work Center Maintenance

- Direct, indirect, or outside process types
- Optional grouping by department
- Shift-based capacity in hours per day
- Standard and average queue times
- Standard labor and overhead rates

#### Machine Maintenance

- Optional grouping by work center or department
- Shift-based capacity in hours per day
- Standard and average queue times
- Major and minor service intervals

#### Department Maintenance

- Shift-based capacity in hours per day
- Accounting information for interface to General Ledger
- Tracks production costs for period and year-to-date

#### Operation Maintenance

- Standard template for easier routing maintenance
- Operation notes
- Standards for: Setup hours, Run hours, Machine hours, Machine, Department, Team, Work Center

#### Alternate Resources

- Work Centers
- Departments
- Teams
- Department

#### Inquiries

- Routing steps – summary and detail
- Where-used by Machine, Work Center, Department, Team, Operation

#### Reports

- Routing step details
- Where-used by Machine, Work Center, Department, Team, Operation

# Material Requirements Planning

Material Requirements Planning uses the Master Schedule to ensure the production and purchase activities adequately meet the forecast and demand requirements. It uses planned orders from Master Scheduling, as well as requirements from forecast and demand from sales orders to generate planned orders for production and purchasing. Orders are reviewed and released to Production Order Processing.

## Features/Function Highlights

### Planning Parameters

- Set defaults for each MRP generation

### Forecast Group Maintenance

- Allows grouping of items with similar demand patterns
- Supports default forecast characteristics, such as monthly, bi-weekly, weekly forecasts, total forecast, or by time period, Forecast by amount, or quantity

### Item Forecast Maintenance

- Allows entry of forecasts for an item
- Assignment to a group to inherit group forecast characteristics
- Forecast entry by amount or quantity
- Total forecast for a range of dates, or forecast by Month, Week, Bi-week
- Supports generation of an entered forecast amount or quantity over a given period of time
- Allows forecasts to be 'layered' for multiple forecasts in the same time period

### Item Requirement Entry

- Manual entry of a requirement for an item and due date

### Period Intervals

- Define how the future is to be divided into time periods
- Multiple period intervals may be defined
- Used to display and print future materials activity by time period

### Firm Planned Orders

- User can 'firm-up' a planned order
- MRP generation will not re-plan a firm order

### MRP Generation

- Full generation
- Net change generation
- Simulation
- Separate generation for each planning warehouse
- Planning warehouse can use inventory from multiple stocking warehouses
- Detail multi-level pegging
- Include/exclude safety stock
- Include/exclude shrinkage factors
- Exclude specific inventory locations

#### Order/Review/Release

- Review/release production orders
- Review/release purchase orders
- Create new purchase orders
- Add to existing purchase orders
- Combine planned orders to a single order

#### Review/Accept Recommendations

- Analyze recommended changes to scheduled receipts, such as Defer, Expedite, Cancel
- Accept recommendations on-line, by item

#### Inquiries

- Material requirements

#### Reports

- Planning report
- Review/release report
- Order recommendation



## TECHNICAL NOTES

(For Fitrix 5.40.01.02 Build 5110)

### *Linux Distributions*

The following Linux Distributions are supported:

Distribution	Version	Kernel	Glibc
Red Hat Enterprise	4	2.6	2.3
Red Hat Enterprise	5.0-5.3	2.6	2.5
SUSE	9.1-9.x	2.6	2.3
SUSE	10.0	2.6	2.3
SUSE	10.1	2.6	2.4
SUSE	10.2	2.6	2.5
Debian	4.0	2.6	2.3

The following Linux Distributions are planned for the near future but are not supported yet:

Distribution	Version	Kernel	Glibc
Debian	5.0	2.6	2.7
SUSE	11.3	2.6	2.11

The following Windows Clients are supported:

**Windows**

95

98

2000

ME

XP

NT

Vista

Windows7

The following Other Clients are supported:

<b>Client</b>	<b>Notes</b>	
X11 on Intel	Requires WINE	Contact us for additional instructions
Mac OS X	Requires WINE/CrossOver	Contact us for additional instructions

For full system requirements, please visit:

<http://www.fitrix.com/technologyrequirements2.html>

The following technologies are used with this version:

Genero BDL: 2.21.01

Genero Client: 2.22.03

IDS Express 11.50.UC7E

### ***Temp Table issue***

Since temp tables are used in Fitrix, the method of using standard.dbs as the only database with the sample dataset in the development and training environments created an issue during program generation. We have changed the databases in each of these environments so that each environment will have a standard.dbs with the base (or standard) dataset + temp tables loaded.

### ***Pre-installed databases***

We have made some changes to the databases that are installed automatically from the Fitrix cd. Note that this also required changes to the client login profiles so that the correct database is selected.

The 'Dataset' refers to the database schema and pre-loaded data. The datasets are as follows:

- 'sample' – contains sample/training data that matches our training workbooks. Data is ready to be used for training or testing. Full schema for all Fitrix applications ready for use.
- 'standard' – Empty database ready for use for a new implementation. All application tables are empty or contain only required starter data. System tables such as help, hotkey definitions, error messages are preloaded with standard content. Full schema for all Fitrix applications ready for use.
- 'baseplustemp' – This is exactly the same as 'standard' except that it also includes all temp tables created by the Fitrix applications. The temp tables are empty but are required in the schema by the development tools. This dataset is used for developing only.

- Here is the old database/dataset chart:

Environment	Database	Dataset	Use
Development fx_dev			
	Standard	Sample	Developing and testing
Production fx_prod			
	Live	standard	'Live' production use
	Standard	Sample	Developing and testing/training
	Sample	Sample	Testing/training only
Training fx_train			
	Standard	Sample	Developing and testing/training

- Here is the new database/dataset chart

Environment	Database	Dataset	Use
Development fx_dev			
	Standard	baseplustemp	Developing only
	Sample	train	Testing only
Production			

fx_prod			
	Standard	baseplustemp	Developing only
	Live	base	'live' production use
	Sample	train	Testing/Training only
Training fx_train			
	Standard	baseplustemp	Developing only
	Student1	train	Testing/Training only
	Student2	train	Testing/Training only
	Student3	train	Testing/Training only

### ***Linux User/Group***

The Fitrix server installation process now creates the following required items:

Linux user: fitrix \ initial password: fitrix

Linux group: fitrix

Linux group: fx\_dev

## NEW TABLES

Module	Table	Column	Type
ALL	stxevtmd	event_name	char(20)
		Sequence	smallint
		msg_detail	char(60)
	stxevtmr	event_name	char(20)
		recipient	char(50)
		conditional_exp	char(80)
	stxevtms	event_name	char(20)
		status	char(1)
		description	char(50)
		msg_type	char(10)
		msg_header	char(60)
	stxcityr	country_code	char(2)
		city	char(40)
	stxckrdd	bank_code	char(10)
		branch	char(10)
		statement_date	date
		reconciled	char(1)
		doc_date	date
		orig_journal	char(2)
		doc_no	integer
		inv_chk_no	char(10)
		debit_credit	char(1)
		doc_desc	char(30)
		amount	decimal(12)

stxckrgh	bank_code	char(10)
	branch	char(10)
	statement_date	date
	gl_balance	decimal(12,2)
	not_reconciled	decimal(12,2)
	adjustments	decimal(10,2)
	difference	decimal(12,2)
	statement_amount	decimal(12,2)
stxcntry	reconciled	char(1)
stxcntry	country_code	char(2)
	description	char(40)
stxfddrd	contact	char(20)
	type	char(5)
	document	char(20)
	print	smallint
	email	smallint
	email_address	char(50)
	subject	char(50)
	fax	smallint
	fax_number	char(20)
	fax_contact	char(30)
	fax_fail_notify	char(50)
stxfddre	document	char(20)
	title	char(50)
stxmssgd		
	doc_no	integer
	line_no	smallint
stxmssgh	line_text	char(60)
stxmssgh	doc_no	serial
	eff_date	date
	prog_name	char(18)
	prog_desc	char(30)
stxmssgp		
stxmssgp	prog_name	char(18)
	prog_desc	char(30)

AR	strbnkdd	bank_deposit_id	integer
		Include	char(1)
		post_no	integer
		amount	decimal(12,2)
	strbnkdr	deposit_date	date
		bank_deposit_id	integer
		bank_code	char(10)
		branch	char(10)
		deposit_total	decimal(12,2)
		posted	char(1)
	strccard	cust_code	char(20)
		pay_method	char(6)
		card_name	char(20)
		card_number	char(20)
		acct_no	char(30)
		route_no	char(30)
		exp_mo	char(2)
		exp_year	char(4)
		first_name	char(20)
		middle_initial	char(1)
		last_name	char(30)
		address1	char(30)
		address2	char(30)
		city	char(20)
		state	char(2)
		zip	char(10)
		country	char(20)
		phone	char(20)
		email	char(50)
		fax	char(20)
		primary_card	char(1)
		trans_ref_no	char(40)
		social_security	char(20)
		license	char(20)
		license_state	char(2)
		cc_doc_no	char(20)



	strcdepr	doc_no	integer
		cust_code	char(20)
		order_no	char(20)
		order_doc_no	integer
		contract_no	char(20)
		check_no	char(10)
		deposit_amt	decimal(12,2)
		reversal_doc_no	integer
BM	intvlmast	code_mj	char(3)
		desc_mj	char(30)
	stilocap	item_code	char(20)
		warehouse_code	char(10)
		source_type	char(1)
		source_id	char(20)
		qty_min	decimal(10,3)
		qty_max	decimal(10,3)
	routcost	parent_item_cg	char(20)
		routing_cg	char(5)
		routing_seq_cg	char(4)
		cost_type_cg	char(3)
		workctr_cg	char(4)
		lbr_or_mach_hr_cg	char(1)
		suhr_std_cg	decimal(14,7)
		runhr_std_cg	decimal(14,7)
		runhr_basis_cg	char(1)
		machr_std_cg	decimal(14,7)
		machr_basis_cg	char(1)
		inside_outside_cg	char(1)
		outs_item_cg	char(20)
		dept_cg	char(3)
		team_cg	char(5)
		job_class_cg	char(3)
		operation_cg	char(4)
		desc_cg	char(25)
		machine_cg	char(4)

		tool_item_cg	char(4)
	costelement	element_ce	char(20)
		desc_ce	char(40)
		cost_basis_ce	char(1)
		cost_driver_ce	char(2)
		unit_cost_dflt_ce	decimal(11,4)
		itemcostce item_ie	char(20,
		cost_type_ie	char(3)
		bill_ie	char(5)
		routing_ie	char(5),
		element_ie	char(20)
		std_unit_cost_ie	decimal(11,4)
		tl_std_cost_ie	decimal(11,4)
		ll_std_cost_ie	decimal(11,4)
	routcostce	parent_item_re	char(20)
		routing_re	char(5)
		cost_type_re	char(3)
		routing_seq_re	char(4)
		element_re	char(20)
		std_unit_cost_re	decimal(11,4)
		std_cost_re	decimal(11,4)
	fgresource	whse_md	char(10)
		resource_md	char(10)
		desc_md	char(40)
		unit_of_meas_md	char(2)
		capacity_md	decimal(10,5)
		cost_per_unit_md	money(11,4)
		add_date_md	date
		change_date_md	date
IC	stibinlr	warehouse_code	char(10)
		bin_location	char(15)
	sticadjs	doc_no	integer
		line_no	smallint

		item_code	char(20)
		warehouse_code	char(10)
		bin_location	char(12)
		serial_no	char(20)
		lot_no	char(20)
		expire_date	date
		qty_on_hand	decimal(10)
		adj_qty	decimal(10)
		count_qty	decimal(10)
		l_mod_date	date
		l_mod_time	char(8)
		l_mod_id	char(8)
		edit_ok	char(1)
		disposition	char(3)
		alt_warehouse	char(10)
	stilccat	category	char(30)
		var_acct_no	integer
		alloc_method	char(1)
	stilocap	item_code	char(20)
		warehouse_code	char(10)
		source_type	char(1)
		source_id	char(20)
		qty_min	decimal(10,3)
		qty_max	decimal(10,3)
OE	stoorwtd	doc_no	integer
		line_no	smallint
		ship_no	smallint
		po_doc_no	integer
		po_line_no	smallint
		seq_no	smallint
		unit_no	smallint
		uom	char(6)
		gross	decimal(12)
		tare	decimal(12)
		net	decimal(12)
	stoorwte	doc_no	integer
		line_no	smallint

	ship_no	smallint
	po_doc_no	integer
	po_line_no	smallint
	total_units	smallint
stormarr	rma_reason	char(6)
	rma_description	char(30)
stotrckd	contract_no	char(20)
	doc_no	integer
	line_no	smallint
	po_doc_no	integer
	fwdr_invoice	char(20)
	sales_basis	char(5)
	loadg_location	char(30)
	port_of_exit	char(30)
	gross_weight	decimal(10)
	net_weight	decimal(10)
	tare_weight	decimal(10)
	container_no	char(20)
	bill_lading	char(20)
	ocean_bol	char(20)
	booking_no	char(20)
	vessel	char(25)
	voyage	char(25)
	cutoff_date	date
	loadg_date	date
	release_date	date
	est_depart	date
	est_arrive	date
	pymt_due_date	date
	est_demurrage	decimal(10,2)
	insurance	decimal(10,2)
	relse_rqstd	date
	relse_rcvd	date
	draft_obl_rcvd	date
	consignee_name	char(20)
	consignee_addr1	char(30)
	consignee_addr2	char(30)
	consignee_city	char(20)

consignee_state	char(2)
consignee_zip	char(10)
consignee_country	char(20)
notify_name	char(20)
notify_info	char(240)
gross_mt	decimal(8,2)
net_mt	decimal(8,2)
tare_mt	decimal(8,2)
forwarder_name	char(20)
carrier	char(20)
send_docs	char(20)
container_size	char(20)
transshipment1	char(20)
vessel1	char(20)
voyage1	char(10)
eta1	date
etd1	date
transshipment2	char(20)
vessel2	char(20)
voyage2	char(10)
eta2	date
etd2	date
transshipment3	char(20)
vessel3	char(20)
voyage3	char(10)
eta3	date
etd3	date
transshipment4	char(20)
vessel4	char(20)
voyage4	char(10)
eta4	date
etd4	date
transshipment5	char(20)
vessel5	char(20)
vessel5	char(20)
voyage5	char(10)
eta5	date
etd5	date
port1	char(10)
port2	char(10)
port3	char(10)

PU		port4	char(10)
		port5	char(10)
		seal_no	char(10)
	stoupsrc	ups_account	char(40)
		ups_login	char(40)
		ups_password	char(40)
		ups_version	char(1)
	stuordrl	doc_no	integer
		category	char(30)
		estimated_cost	decimal(12,2)
		received_cost	decimal(12,2)
		invoiced_cost	decimal(12,2)
		var_acct_no	integer
		alloc_method	char(1)
		ok_to_post	char(1)
		posted	char(1)
		trans_doc_no	integer
	stuordrm	doc_no	integer
		line_no	smallint
		category	char(30)
		estimated_cost	decimal(12,2)
		received_cost	decimal(12,2)
		invoiced_cost	decimal(12,2)
	sturectl	rec_doc_no	integer
		category	char(30)
		received_cost	decimal(12,2)
	sturectm	rec_doc_no	integer
		line_no	smallint
		category	char(30)
		received_cost	decimal(12,2)
	sturecvd	doc_no	integer
		line_no	smallint
		rec_doc_no	integer
		rec_line_no	integer

	item_code	char(20)
	desc1	char(30)
	desc2	char(30)
	exp_rcv_qty	decimal(10)
	rcv_qty	decimal(10)
	rjct_qty	decimal(10)
	rjct_code	char(10)
	po_no	char(20)
	po_doc_no	integer
	po_line_no	smallint
	item_cost	decimal(14,4)
	landed_cost	decimal(14,4)
	extended_cost	decimal(12,2)
	ok_post	char(1)
sturecve	doc_no	serial ,
	vend_code	char(20)
	receipt_date	date
	batch_id	integer
	ok_post	char(1)
sturepln	item_code	char(20)
	warehouse_code	char(10)
	vendor_code	char(20)
	cost	decimal(12,2)
	purch_unit	char(2)
	sales_usg_1	integer
	sales_usg_2	integer
	sales_usg_3	integer
	sales_usg_4	integer
	sales_usg_5	integer
	sales_usg_6	integer
	sales_usg_7	integer
	sales_usg_8	integer
	sales_usg_9	integer
	sales_usg_10	integer
	sales_usg_11	integer
	sales_usg_12	integer
	sales_usg_tot	integer
	average	integer
	available	integer

		on_order	integer
		total	integer
		months_on_hand	decimal(12,1,
		on_order_month_seq	smallint
		on_order_month	char(12)
		on_order_month_qty	integer
PY	styempgpn	empl_code	char(6)
		ded_code	char(6)
		garn_no	integer not null
		begin_date	date
		garn_active	char(1)
		rec_date	date
		garn_cat	char(2)
		doc_origin	char(30)
		doc_ident1	char(40)
		doc_ident2	char(40)
		plain_name	char(40)
		plain_id	char(30)
		vend_code	char(20)
		vend_name	char(40)
		vend_addr	char(30)
		vend_city	char(20)
		vend_state	char(2)
		vend_zip	char(10)
		cr_date	datetime year to second
		cr_user	char(15)
		ch_date	datetime year to second
		ch_user	char(15)
SC	wolbrsumm	order_wa	char(7)
		order_lot_wa	char(3)
		employee_wa	char(6)
		trans_number_wa	decimal(7,0)
		tran_type_wa	char(1)
		comments_wa	char(30)
		trans_date_wa	date
		add_date_wa	date
		change_date_wa	date



	session_wa	integer
wolbrout	order_wb	char(7)
	order_lot_wb	char(3)
	employee_wb	char(6)
	trans_number_wb	decimal(7,0)
	routing_seq_wb	char(4)
	workctr_wb	char(4)
	department_wb	char(4)
	machine_wb	char(4)
	team_wb	char(5)
	compl_qty_wb	decimal(10,3)
	compl_qty_tmp_wb	decimal(10,3)
	setup_hr_wb	decimal(8,4)
	setup_hr_tmp_wb	decimal(8,4)
	labor_hr_wb	decimal(8,4)
	labor_hr_tmp_wb	decimal(8,4)
	mach_hr_wb	decimal(8,4)
	mach_hr_tmp_wb	decimal(8,4)
	setup_amt_wb	decimal(13,4)
	labor_amt_wb	decimal(13,4)
	mach_amt_wb	decimal(13,4)
	outs_amt_wb	decimal(13,4)
	status_wb	char(1)
	comments_wb	char(30)
	date_trans_wb	date
	time_trans_wb	date time hour to second
	gl_doc_number_wb	integer
lbrsession	session_lv	integer
	tran_type_lv	char(2)
	reference_lv	char(10)
	tran_date_lv	date
	user_lv	char(10)
	entry_date_lv	date
	entry_time_lv	date time hour to second
responsb	responsible	char(10)
	description	char(30)
	dflt_resp	char(1)

womisc	order_wb	char(7)
	order_lot_wb	char(3)
	element_wb	char(20)
	std_unit_wb	decimal(10,3)
	act_unit_wb	decimal(10,3)
	std_cost_wb	decimal(11,4)
	act_cost_wb	decimal(11,4)
	trans_basis_wb	char(1)
	status_wb	char(1)
wosummce	order_wu	char(7)
	order_lot_wu	char(3)
	element_wu	char(20)
	cost_driver_wu	char(2)
	std_unit_cost_wu	decimal(11,4)
	std_cost_wu	decimal(11,4)
	act_cost_wu	decimal(11,4)
	rwk_cost_wu	decimal(11,4)
wocompce	order_wl	char(7)
	order_lot_wl	char(3)
	comp_sequence_wl	char(4)
	component_item_wl	char(20)
	element_wl	char(20)
	std_unit_cost_wl	decimal(11,4)
	std_cost_wl	decimal(11,4)
	act_cost_wl	decimal(11,4)
woroutce	order_wn	char(7)
	order_lot_wn	char(3)
	routing_seq_wn	char(4)
	element_wn	char(20)
	std_unit_cost_wn	decimal(11,4)
	std_cost_wn	decimal(11,4)
	act_cost_wn	decimal(11,4)
	rwk_cost_wn	decimal(11,4)
wochgsumm	order_wv	char(7)
	order_lot_wv	char(3)

	chg_number_wv	decimal(7,0)
	omments_wv	char(30)
	chg_date_wv	date
	chg_status_wv	char(1)
	add_date_wv	date
	change_date_wv	date
	session_wv	integer
	gl_doc_number_wv	integer
wochgmisc	order_wz	char(7)
	order_lot_wz	char(3)
	chg_number_wz	decimal(7,0)
	element_wz	char(20)
	chg_qty_wz	decimal(10,3)
	chg_qty_tmp_wz	decimal(10,3)
	chg_amt_wz	decimal(9,2)
	chg_amt_tmp_wz	decimal(9,2)
	chg_status_wz	char(1)
	comments_wz	char(30)
	date_chg_wz	date
	time_chg_wz	date time hour to second
	unit_cost_wz	money(11,4)
	gl_doc_number_wz	integer
miscgltran	tran_type_gx	char(2)
	element_gx	char(20)
	misc_qty_gx	decimal(10,3)
	session_gx	integer
	user_gx	char(10)
	trn_hst_no_gx	integer
	reference_gx	char(10)
	tran_date_gx	date
	entry_date_gx	date
	entry_time_gx	date time hour to second
	post_date_gx	date
	post_time_gx	date time hour to second
	unit_cost_gx	money(11,4)
	cost_amount_gx	money(9,2)
	order_gx	char(7)
	order_lot_gx	char(3)
	reason_code_gx	char(3)

doc_no_gx	integer
debit_acct_gx	integer
debit_alias_gx	char(30)
debit_dept_gx	char(3)
credit_acct_gx	integer
credit_alias_gx	char(30)
credit_dept_gx	char(3)
ok_to_post_gx	char(1)
gl_doc_no_gx	integer
post_flag_gx	char(1)

Note: For a listing of the Standard Routing and Materials Resource Planning tables please contact [support@fitrix.com](mailto:support@fitrix.com).

## MODIFIED TABLES

Module	Table	Column	Type
ALL	stxcntrc	r_addr1	char(30)
		r_addr2	char(30)
		r_city	char(20)
		r_state	char(2)
		r_zip	char(10)
		r_country	char(2)
		country	changed to char(2)
	stxckgr	bank_code	char(10)
		bank_name	char(30)
		branch	char(10)
		branch_name	char(30)
		account_name	char(30)
		bank_address	char(60)
		bank_account_no	char(35)
	stxtranr	bank_deposit_id	integer
	AP	mailed_date	date
		stpinvce	po_no
		stpopend	po_no
		stppytor	country
		stpvendr	country
AR	strctvd	deposit	char(1)
		deposit_amt	decimal(12,2)
	strcashd	cdepr_doc_no	integer
		order_doc_no	integer

strcashe	deposit_amt	decimal(12,2)
	deposit_acct	integer
	deposit_department	char(3)
	deposit_deb_cred	char(2)
strcntrc	cc_doc_no	integer
	fin_chg	char(1)
strcustr	deposit_amt	decimal(12,2)
	route_code	char(10)
	country	changed to char(20)
	resale_no	char(15)
	resale_expiry	date
	discount_level	char(1)
strinvcd	price	changed to decimal(14,4)
strinvce	pay_method	char(6)
	card_name	char(20)
	card_number	char(30)
	auth_amt	decimal(10,2)
	auth_code	char(8)
	auth_date	date
	decline_code	char(8)
	decline_message	char(60)
	settle_decl_code	char(8)
	settle_decl_mssg	char(60)
	cc_batch_id	char(12)
	cc_batch_name	char(12)
	settled	char(1)
	trans_ref_no	char(40)
	cc_s_batch_id	char(12)
	cc_s_batch_name	char(12)
strletre	minimum_due	decimal(10,2)
stropend	sls_psn_code	char(6)
	order_doc_no	integer

	strshipr	route_code country	char(10) changed to char(2)
BM	billcomp	comp_sequence_bc	changed to char(10)
	acctcd	element_ac account_ac	char(20) char(13)
	itemcost	bill_ci routing_ci std_cost_ci	char(5) char(5) decimal(11,4)
	billcost	bill_cn element_cn shrinkage_cn	char(5) char(20) decimal(5,2)
	initpc	mtl_elmt_stk_pc mtl_elmt_non_pc lbr_elmt_pc ovh_elmt_pc outs_elmt_pc	char(20) char(20) char(20) char(20) char(20)
	prodlne	whse_pd	changed to char(10)
	deptwhse	acctcd_dw	changed to char(13)
	department	acctcd_dp	changed to char(13)
	jobitem	whse_ji	char(10)
FA	stfasstr	asset_cost	decimal(14,4)
GL	stgcntrc	recalc_date	date
IC	stiactvd	cost price	changed to decimal(14,4) changed to decimal(14,4)
	stiadjmd	adj_cost	changed to decimal(14,4)

stiadjme	batch_id	integer
	lot_cost	decimal(14,4)
stiarinv	comm_code	char(6)
	type_it	char(1)
	prod_type_it	char(1)
	abc_code_it	char(1)
	product_it	char(3)
	acctcd_it	char(13)
	department_it	char(3)
	low_level_it	smallint
	revision_level_it	char(3)
	num_eng_change_it	char(6)
	date_eng_change_it	date
	eng_drawing_it	char(15)
	bill_chng_date_it	date
	rout_chng_date_it	date
	standard_cost_it	decimal(11)
	date_last_cost_it	date
	order_policy_it	char(1)
	cur_order_qty_it	decimal(10)
	eoq_order_qty_it	decimal(10)
	min_order_qty_it	decimal(10)
	max_order_qty_it	decimal(10)
	mult_order_qty_it	decimal(10)
	safety_stock_it	decimal(10)
	shrinkage_it	decimal(10)
	planner_it	char(5)
	buyer_it	char(5)
	component_count_it	smallint
	routing_count_it	smallint
	mfg_alloc_qty_it	decimal(10)
	mfg_order_qty_it	decimal(10)
	loc_control_it	char(1)
	fifo_control_it	char(1)
	lot_control_it	char(1)
	serial_control_it	char(1)
	group_it	char(3)
	cost_method_it	char(3)
	cur_suhr_std_it	decimal(10)
	cur_runhr_std_it	decimal(10)



cur_machr_std_it	decimal(10)
mrp_interval_it	char(1)
issue_method_it	char(1)
phantom_it	char(1)
cur_last_roll_it	date
days_supply_it	smallint
mrp_qty_work_it	decimal(10,3)
mfg_sched_rcp_it	decimal(10)
cost_roll_sts_it	smallint
est_annual_usg_it	decimal(10,3)
master_schedule_it	char(1)
mps_group_it	char(15)
mps_interval_it	char(2)
interval_ofst_it	smallint
auto_rsc_build_it	char(1)
rough_rsc_id_it	char(10)
rough_conv_it	decimal(8,4)
demand_source_it	char(1)
forecast_it	char(1)
fcst_group_it	char(15)
fcst_interval_it	char(2)
qty_or_amount_it	char(1)
default_bom_it	char(5)
default_rtg_it	char(5)
last_rsc_gen_it	date
rev_prod_lt_it	decimal(12,6)
fix_prod_lt_it	decimal(12,6)
var_prod_lt_it	decimal(12,6)
cumulative_lt_it	decimal(12,6)
auto_msg_prod_it	char(6)
pur_rel_type_it	char(1)
configurable_it	char(1)
config_group_it	char(15)
standard_cost_it	changed to decimal(14,4)

stiarloc	mfg_alloc_qty_iw	decimal(10,3)
	standard_cost_iw	decimal(11)
	mfg_sched_rcp_iw	decimal(10,3)
	type_iw	char(1)
	acctcd_iw	char(13)
	department_iw	char(3)

stock_uom_iw	char(2)
prod_type_iw	char(1)
lead_time_iw	smallint
cuml_lead_time_iw	smallint
planner_iw	char(5)
buyer_iw	char(5)
order_policy_iw	char(1)
cur_order_qty_iw	decimal(10,3)
eoq_order_qty_iw	decimal(10,3)
min_order_qty_iw	decimal(10,3)
max_order_qty_iw	decimal(10,3)
mult_order_qty_iw	decimal(10,3)
safety_stock_iw	decimal(10,3)
days_supply_iw	smallint
mrp_qty_work_iw	decimal(10,3)
cost_method_iw	char(3)
default_bom_iw	char(5)
default_rtg_iw	char(5)
issue_method_iw	char(1)
mrp_interval_iw	char(1)
est_annual_usg_iw	decimal(10,3)
shrinkage_iw	decimal(8,4)
master_schedule_iw	char(1)
mps_group_iw	char(15)
mps_interval_iw	char(2)
interval_ofst_iw	smallint
auto_rsc_build_iw	char(1)
rough_rsc_id_iw	char(10)
rough_conv_iw	decimal(8,4)
demand_source_iw	char(1)
forecast_iw	char(1)
fcst_group_iw	char(15)
fcst_interval_iw	char(2)
qty_or_amount_iw	char(1)
last_rsc_gen_iw	date
rev_prod_lt_iw	decimal(12,6)
fix_prod_lt_iw	decimal(12,6)
var_prod_lt_iw	decimal(12,6)
cumulative_lt_iw	decimal(12,6)
pur_rel_type_iw	char(1)
mrp_chg_flag_iw	char(1)

	configurable_iw	char(1)
	config_group_iw	char(15)
	prod_line_iw	char(5)
	loc_control_iw	char(1)
	lot_control_iw	char(1)
	serial_control_iw	char(1)
	fifo_control_iw	char(1)
	serial_auto_iw	char(1)
	next_serial_iw	decimal(10,0)
	lot_auto_iw	char(1)
	next_lot_iw	decimal(10,0)
	avg_unit_cost	changed to decimal(14,4)
	last_cost	changed to decimal(14,4)
	price	changed to decimal(14,4)
	purch_unit_cost	changed to decimal(14,4)
	standard_cost_iw	changed to decimal(14,4)
stiartat	cost	changed to decimal(14,4)
sticntrc	use_batch_adj	char(1)
	use_approve_post	char(1)
	approval_code	char(8)
	auto_serialize	char(1)
	next_ser_num	integer
	serl_prefix	char(20)
	serl_suffix	char(20)
	disp_item_notes	char(1)
sticstvr	po_no	char(20)
	rec_doc_no	integer
	receipt_date	date
	recv_qty	decimal(10)
	recv_cost	decimal(12)
	po_no	changed to char(20)
	cost	changed to decimal(14,4)
	recv_cost	decimal(14,4)
stiinvtr	type_it	char(1)
	prod_type_it	char(1)
	abc_code_it	char(1)
	product_it	char(3)

acctcd_it	char(13)
department_it	char(3)
low_level_it	smallint
revision_level_it	char(3)
num_eng_change_it	char(6)
date_eng_change_it	date
eng_drawing_it	char(15)
bill_chng_date_it	date
rout_chng_date_it	date
standard_cost_it	decimal(11)
date_last_cost_it	date
order_policy_it	char(1)
cur_order_qty_it	decimal(10)
eoq_order_qty_it	decimal(10)
min_order_qty_it	decimal(10)
max_order_qty_it	decimal(10)
mult_order_qty_it	decimal(10)
safety_stock_it	decimal(10)
shrinkage_it	decimal(10)
planner_it	char(5)
buyer_it	char(5)
component_count_it	smallint
routing_count_it	smallint
mfg_alloc_qty_it	decimal(10)
mfg_order_qty_it	decimal(10)
loc_control_it	char(1)
fifo_control_it	char(1)
lot_control_it	char(1)
serial_control_it	char(1)
group_it	char(3)
cost_method_it	char(3)
cur_suhr_std_it	decimal(10)
cur_runhr_std_it	decimal(10)
cur_machr_std_it	decimal(10)
mrp_interval_it	char(1)
issue_method_it	char(1)
phantom_it	char(1)
cur_last_roll_it	date
days_supply_it	smallint
mrp_qty_work_it	decimal(10,3)
mfg_sched_rcp_it	decimal(10,3)

	cost_roll_sts_it	smallint
	est_annual_usg_it	decimal(10,3)
	master_schedule_it	char(1)
	mps_group_it	char(15)
	mps_interval_it	char(2)
	interval_ofst_it	smallint
	auto_rsc_build_it	char(1)
	rough_rsc_id_it	char(10)
	rough_conv_it	decimal(8,4)
	demand_source_it	char(1)
	forecast_it	char(1)
	fcst_group_it	char(15)
	fcst_interval_it	char(2)
	qty_or_amount_it	char(1)
	default_bom_it	char(5)
	default_rtg_it	char(5)
	last_rsc_gen_it	date
	rev_prod_lt_it	decimal(12,6)
	fix_prod_lt_it	decimal(12,6)
	var_prod_lt_it	decimal(12,6)
	cumulative_lt_it	decimal(12,6)
	auto_msg_prod_it	char(6)
	pur_rel_type_it	char(1)
	configurable_it	char(1)
	config_group_it	char(15)
	standard_cost_it	changed to decimal(14,4)
	td_disc_allowed	char(1)
	tax	char(1)
	disc1	decimal(14,4)
	disc2	decimal(14,4)
	disc3	decimal(14,4)
	disc4	decimal(14,4)
	disc5	decimal(14,4)
stilocar	mfg_alloc_qty_iw	decimal(10,3)
	standard_cost_iw	decimal(11)
	mfg_sched_rcp_iw	decimal(10,3)
	type_iw	char(1)
	acctcd_iw	char(13)
	department_iw	char(3)
	stock_uom_iw	char(2)

prod_type_iw	char(1)
lead_time_iw	smallint
cuml_lead_time_iw	smallint
planner_iw	char(5)
buyer_iw	char(5)
order_policy_iw	char(1)
cur_order_qty_iw	decimal(10,3)
eoq_order_qty_iw	decimal(10,3)
min_order_qty_iw	decimal(10,3)
max_order_qty_iw	decimal(10,3)
mult_order_qty_iw	decimal(10,3)
safety_stock_iw	decimal(10,3)
days_supply_iw	smallint
mrp_qty_work_iw	decimal(10,3)
cost_method_iw	char(3)
default_bom_iw	char(5)
default_rtg_iw	char(5)
issue_method_iw	char(1)
mrp_interval_iw	char(1)
est_annual_usg_iw	decimal(10,3)
shrinkage_iw	decimal(8,4)
master_schedule_iw	char(1)
mps_group_iw	char(15)
mps_interval_iw	char(2)
interval_ofst_iw	smallint
auto_rsc_build_iw	char(1)
rough_rsc_id_iw	char(10)
rough_conv_iw	decimal(8,4)
demand_source_iw	char(1)
forecast_iw	char(1)
fcst_group_iw	char(15)
fcst_interval_iw	char(2)
qty_or_amount_iw	char(1)
last_rsc_gen_iw	date
rev_prod_lt_iw	decimal(12,6)
fix_prod_lt_iw	decimal(12,6)
var_prod_lt_iw	decimal(12,6)
cumulative_lt_iw	decimal(12,6)
pur_rel_type_iw	char(1)
mrp_chg_flag_iw	char(1)
configurable_iw	char(1)

	config_group_iw	char(15)
	prod_line_iw	char(5)
	loc_control_iw	char(1)
	lot_control_iw	char(1)
	serial_control_iw	char(1)
	fifo_control_iw	char(1)
	serial_auto_iw	char(1)
	next_serial_iw	decimal(10,0)
	lot_auto_iw	char(1)
	next_lot_iw	decimal(10,0)
	avg_unit_cost	changed to decimal(14,4)
	last_cost	changed to decimal(14,4)
	price	changed to decimal(14,4)
	purch_unit_cost	changed to decimal(14,4)
	standard_cost_iw	changed to decimal(14,4)
	primary_bin	char(15)
	secondary_bin	char(15)
stipurcd	purch_unit_cost	changed to decimal(14,4)
stipurce	po_no	changed to char(20)
stirrard	price	changed to decimal(14,4)
stirrare	po_no	changed to char(20)
stiselld	price	changed to decimal(14,4)
stiselle	order_no	changed to char(20)
stiserla	cost	changed to decimal(14,4)
	bin_location	char(15)
stiserld	po_no	char(20)
	rec_doc_no	integer
	receipt_date	date
	recv_qty	decimal(10)
	recv_cost	decimal(12)
	po_no	changed to char(20)
	cost	changed to decimal(14,4)
	recv_cost	changed to decimal(14,4)

		bin_location	char(15)
	stiserle	expiry_date bin_location	date char(15)
	stistatd	cost	changed to decimal(14,4)
	stitrand	unit_cost	changed to decimal(14,4)
	stihwser	location_control	char(1)
OE	stocntrc	truck_bol	char(20)
		init_ord_stage	char(3)
		rel_hld_auth	char(10)
		restock_acct_no	integer
	stoinvce	deposit_applied	decimal(12,2)
		order_no restock_fee	changed to char(20) decimal(8,2)
	stoordrd	ship_weight	decimal(14)
		ordr_qty	decimal(14)
		back_qty	decimal(14)
		commit_qty	decimal(14)
		release_qty	decimal(14)
		net_amount	decimal(14)
	stoordre	contract_no	char(20),
		multiple_orders	char(1)
		deposit	decimal(10,2),
		docs_sent	date,
		destination	char(30)
		consignee_name	char(20)
		consignee_addr1	char(30)
		consignee_addr2	char(30)
		consignee_city	char(20)
		consignee_state	char(2)
		consignee_zip	char(10)
		consignee_country	char(20)
		notify_name	char(20)



		notify_info	char(240)
		truck_bol	char(20)
		ship_weight	changed to decimal(14)
		item_amount	changed to decimal(14)
		trd_ds_amount	changed to decimal(14)
		tax_amount	changed to decimal(14)
		frght_amount	changed to decimal(14)
		total_amount	changed decimal(14)
		order_no	changed to char(20)
		route_code	char(10)
		resale_no	char(15)
		resale_expiry	date
		rma_reason	char(6)
		base_doc_no	integer
		rma_doc_no	integer
		order_description	char(80)
		ready_to_invoice	char(1)
		required_date	date
		default_rma_type	char(3)
	stooytpr	base_sales_order	char(1)
		multiple_rma_type	char(1)
	stoshipd	ship_weight	changed to decimal(14)
		ship_qty	changed to decimal(14)
		commit_qty	changed to decimal(14)
		net_amount	changed to decimal(14)
		item_cost	changed to decimal(14,4));
		orig_price	changed to decimal(14,4));
		price	changed to decimal(14,4));
		retail_price	changed to decimal(14,4));
	stoshpar	order_no	changed to char(20)
	stoshpfr	order_no	changed to char(20)
		shp_cost	changed to decimal(14,4)
PU	stucntrc	ocean_ins	decimal(12)
		init_ord_stage	char(3)

	rel_hld_auth	char(10)
stuctlgd	cost	changed to decimal(14,4)
	obsolete_date	date
stuinvcd	item_code	char(20)
	line_type	char(3)
	cost	changed to decimal(14,4)
stuinvce	vend_code	char(20)
	po_no	changed to char(20)
stuordrd	volume	decimal(8,3)
	weight	changed to decimal(8,3)
	ordr_qty	changed to decimal(14),
	rlse_qty	changed to decimal(14),
	rjct_qty	changed to decimal(14),
	recv_qty	changed to decimal(14),
	cost_qty	changed to decimal(14),
	acpt_qty	changed to decimal(14),
	exp_rec_qty	changed to decimal(14),
	exp_inv_qty	changed to decimal(14),
	net_price	changed to decimal(14)
	cost	changed to decimal(14,4)
	return_reason	char(10)
	comp_sequence	char(10)
stuordre	contract_no	char(20)
	container_no	char(20)
	orig_order_doc_no	integer
	item_amount	changed to decimal(14)
	trd_ds_amount	changed to decimal(14)
	tax_amount	changed to decimal(14)
	frght_amount	changed to decimal(14)
	misc_amount	changed to decimal(14)
	goods_amount	changed to decimal(14)
	total_amount	changed to decimal(14)
	prepay_amount	changed to decimal(14)
	contact_name	char(20)
	po_no	changed to char(20)
	order_no_vnd	changed to char(20)

		order_ref_no	char(20)
		return_reason	char(10)
		prod_order	char(7)
	stuprche	cost_qty	changed to decimal(14,4)
		new_price	changed to decimal(14,4)
		old_price	changed to decimal(14,4)
	sturectd	item_cost	decimal(14,4)
		landed_cost	decimal(14,4)
		extended_cost	decimal(12,2)
	sturecte	po_no	changed to char(20)
PY	stycntrc	fed_amt_code	char(6)
		fed_percent_code	char(6),
		bns_percent	decimal(12)
		bns_amt_code	char(6)
		bns_percent_code	char(6)
		chd_sup_amt_code	char(6)
		garn_to_ap	char(1)
	stydedcr	ded_class	char(1)
		rate_type	char(1)
		ded_fee_amt	decimal(10)
		ded_fee_code	char(6)
	styempdd	garnishment	char(1)
		garn_cnt	smallint
		ded_fee_amt	decimal(10)
		ded_fee_code	char(6)
SC	wocompce	comp_sequence_wl	changed to char(10)
	wosumm	responsible_ws	char(10)
		type_ws	changed to char(3)
	wosummhst	type_ws	changed to char(3)

wocomp	comp_sequence_wm shrinkage_wm	changed to char(10) decimal(5,2)
woisscomp	comp_sequence_wj	changed to char(10)
woissloc	comp_sequence_wk	changed to char(10)
wopikcomp	comp_sequence_wy	changed to char(10)
woalloc	comp_sequence_wa	changed to char(10)
wocomphst	comp_sequence_wm shrinkage_wm	changed to char(10) decimal(5,2)
wosummreq	dem_whse_wq	char(20)
worout	outside_item_wr	char(20)
worouthst	outside_item_wr	char(20)
woscpsumm	ic_update_wg	char(1)
woisssumm	routing_seq_wi	char(4)
ordertypesc	type_ts	changed to char(3)

## DROPPED COLUMNS

### BM

acctcd

inventory\_ac,  
non\_inventory\_ac,  
inventory\_hold\_ac,  
cost\_sales\_ac,  
cycle\_count\_ac,  
phys\_count\_ac,  
sales\_ac,  
sales\_disc\_ac,  
sales\_tax\_ac,  
acct\_rcv\_ac,  
ar\_svc\_chg\_ac,  
ar\_cash\_ac,  
acct\_pay\_ac,  
ap\_cash\_ac,  
ap\_disc\_ac,  
ap\_tax\_ac,  
ap\_misc\_ac,  
pur\_price\_var\_ac,  
wip\_matl\_ac,  
wip\_labor\_ac,  
wip\_ovh\_ac,  
wip\_outs\_ac,  
wip\_scrap\_ac,  
wip\_rec\_ac,  
scrap\_expense\_ac,  
matl\_cost\_var\_ac,  
matl\_usage\_var\_ac,  
setup\_rate\_var\_ac,  
setup\_usage\_var\_ac,  
setup\_qty\_var\_ac,  
labor\_rate\_var\_ac,  
labor\_usage\_var\_ac,  
ovh\_rate\_var\_ac,  
ovh\_usage\_var\_ac,

outs\_rate\_var\_ac,  
outs\_usage\_var\_ac,  
prod\_scrap\_var\_ac,  
wip\_labor\_ctl\_ac,  
wip\_ovh\_ctl\_ac,  
wip\_outs\_ctl\_ac

#### stiinvtr

tl\_mtl\_std\_it,  
tl\_labor\_std\_it,  
tl\_setup\_std\_it,  
tl\_ovh\_std\_it,  
tl\_outs\_std\_it,  
ll\_mtl\_std\_it,  
ll\_labor\_std\_it,  
ll\_setup\_std\_it,  
ll\_ovh\_std\_it,  
ll\_outs\_std\_it

#### stilocar

tl\_mtl\_std\_iw,  
tl\_labor\_std\_iw,  
tl\_setup\_std\_iw,  
tl\_ovh\_std\_iw,  
tl\_outs\_std\_iw,  
ll\_mtl\_std\_iw,  
ll\_labor\_std\_iw,  
ll\_setup\_std\_iw,  
ll\_ovh\_std\_iw,  
ll\_outs\_std\_iw

#### stiarinv

tl\_mtl\_std\_it,  
tl\_labor\_std\_it,  
tl\_setup\_std\_it,  
tl\_ovh\_std\_it,  
tl\_outs\_std\_it,  
ll\_mtl\_std\_it,  
ll\_labor\_std\_it,  
ll\_setup\_std\_it,  
ll\_ovh\_std\_it,

ll\_outs\_std\_it

stiarloc

tl\_mtl\_std\_iw,  
tl\_labor\_std\_iw,  
tl\_setup\_std\_iw,  
tl\_ovh\_std\_iw,  
tl\_outs\_std\_iw,  
ll\_mtl\_std\_iw,  
ll\_labor\_std\_iw,  
ll\_setup\_std\_iw,  
ll\_ovh\_std\_iw,  
ll\_outs\_std\_iw

itemcost

tl\_mtl\_std\_ci,  
tl\_labor\_std\_ci,  
tl\_setup\_std\_ci,  
tl\_ovh\_std\_ci,  
tl\_outs\_std\_ci,  
ll\_mtl\_std\_ci,  
ll\_labor\_std\_ci,  
ll\_setup\_std\_ci,  
ll\_ovh\_std\_ci,  
ll\_outs\_std\_ci

**SC**

wocomp

std\_mtl\_cost\_wm,  
act\_mtl\_cost\_wm,  
rwk\_mtl\_cost\_wm,  
act\_scrp\_cost\_wm,  
std\_cost\_cur\_wm

wocomphst

std\_mtl\_cost\_wm,  
act\_mtl\_cost\_wm,  
rwk\_mtl\_cost\_wm,  
act\_scrp\_cost\_wm,

std\_cost\_cur\_wm

worout

std\_lbr\_cost\_wr,  
std\_mtl\_cost\_wr,  
std\_msc\_cost\_wr,  
std\_psc\_cost\_wr,  
std\_ovh\_cost\_wr,  
act\_lbr\_cost\_wr,  
act\_mtl\_cost\_wr,  
act\_msc\_cost\_wr,  
act\_psc\_cost\_wr,  
act\_ovh\_cost\_wr,  
rwk\_lbr\_cost\_wr,  
rwk\_mtl\_cost\_wr,  
rwk\_msc\_cost\_wr,  
rwk\_psc\_cost\_wr,  
rwk\_ovh\_cost\_wr

worouthst

std\_lbr\_cost\_wr,  
std\_mtl\_cost\_wr,  
std\_msc\_cost\_wr,  
std\_psc\_cost\_wr,  
std\_ovh\_cost\_wr,  
act\_lbr\_cost\_wr,  
act\_mtl\_cost\_wr,  
act\_msc\_cost\_wr,  
act\_psc\_cost\_wr,  
act\_ovh\_cost\_wr,  
rwk\_lbr\_cost\_wr,  
rwk\_mtl\_cost\_wr,  
rwk\_msc\_cost\_wr,  
rwk\_psc\_cost\_wr,  
rwk\_ovh\_cost\_wr

wosumm

std\_mtl\_cost\_ws,  
std\_lbr\_cost\_ws,  
std\_ovh\_cost\_ws,



std\_uts\_cost\_ws,  
act\_mtl\_cost\_ws,  
act\_scm\_cost\_ws,  
act\_lbr\_cost\_ws,  
act\_ovh\_cost\_ws,  
act\_uts\_cost\_ws,  
rwk\_mtl\_cost\_ws,  
rwk\_lbr\_cost\_ws,  
rwk\_ovh\_cost\_ws,  
rwk\_uts\_cost\_ws,  
std\_mtl\_unit\_ws,  
std\_lbr\_unit\_ws,  
std\_ovh\_unit\_ws,  
std\_outs\_unit\_ws,  
wip\_mtl\_acct\_ws,  
wip\_lbr\_acct\_ws,  
wip\_ovh\_acct\_ws,  
wip\_outs\_acct\_ws,  
wip\_scrp\_acct\_ws,  
wip\_rec\_acct\_ws

wosummhst

std\_mtl\_cost\_ws,  
std\_lbr\_cost\_ws,  
std\_ovh\_cost\_ws,  
std\_uts\_cost\_ws,  
act\_mtl\_cost\_ws,  
act\_scm\_cost\_ws,  
act\_lbr\_cost\_ws,  
act\_ovh\_cost\_ws,  
act\_uts\_cost\_ws,  
rwk\_mtl\_cost\_ws,  
rwk\_lbr\_cost\_ws,  
rwk\_ovh\_cost\_ws,  
rwk\_uts\_cost\_ws,  
std\_mtl\_unit\_ws,  
std\_lbr\_unit\_ws,  
std\_ovh\_unit\_ws,  
std\_outs\_unit\_ws  
wip\_mtl\_acct\_ws,  
wip\_lbr\_acct\_ws,

wip\_ovh\_acct\_ws,  
wip\_outs\_acct\_ws,  
wip\_scrp\_acct\_ws,  
wip\_rec\_acct\_ws

## SUPPLEMENTAL PATCHES AND ENHANCEMENTS

### *Accessing Fourth Generation's FTP site*

All patches and enhancements that apply to the Fourth Generation products are posted to our FTP site on the internet as soon as they are made available.

These supplements are supplied as complete program directories with the patches or enhancements fully applied to the program and tested. An 'INFO' file in each program directory will explain the changes applied.

To access our FTP site on the internet:

1. Go to <ftp.fourthgeneration.com>
2. Login: fg\_cust
3. Password: fourth9
4. Click on the directory named patches.
5. Click on the README\_patches file for general information.
6. Click on the directory of the version of the product you are running to see what patches/enhancements are available.

We highly recommend that you visit our FTP site once every month.

### *Installing Supplemental Patches and Enhancements*

#### **Naming Conventions**

**Note:** In the instructions below the version number is 5.40. If you are running version 5.20 or earlier change the instructions to use your version number

The following naming conventions are used for program and menu directories delivered on the 5.40 media:

.4gs - latest released version. If a directory named .540.x exists , the files in the .4gs directory will be identical.

.540 - version 5.40 as originally released (menu directories have no extension). This directory will only exist if patches exist for the program.

.540.a - 1st patched version of a program or menu directory

.540.b - 2nd patched version of a program or menu directory (includes any patches in .540.a version).

## Program Installation procedures

- Follow the standard installation procedures to extract **but not compile** the accounting modules (this step assumes you are installing the entire new version, if you are only installing supplements downloaded from the ftp site, proceed with the next step: )
- find all program directories with a name matching: '\*.540.\*'
- for each program directory found above:
  - if there is no '\*.540' version of the program, rename the .4gs program directory to \*.540 (if there is already a .540 version of the program, this step should be omitted) (this is to preserve the original copy just in case it is needed later, and will serve as notice that the supplement has been applied)
  - create a new .4gs program directory by making a copy of the supplement directory. If more than one supplement directory exists, use the one that has the highest letter. (i.e. if there is a *i\_cashe.540.c*, copy the entire directory to *i\_cashe.4gs*) (the supplements are cumulative, so the highest letter has all the supplements for that program, only the highest supplement letters are distributed on the media )
  - repeat the standard installation procedures, but this time **compile but do not extract** the accounting modules.

## Menu Installation procedures

- find all menu directories with a name matching: '\*.540.\*'
- for each menu directory found above:
  - if there is no '\*.540' version of the menu directory, rename the existing menu directory to \*.540 (if there is already a .540 version of the menu directory, this step should be omitted) (this is to preserve the original copy just in case it is needed later, and will serve as notice that the supplement has been applied)

□ create a new menu directory by making a copy of the supplement directory. If more than one supplement directory exists, use the one that has the highest letter.  
(i.e. if there is a *reports.540.c*, copy the entire directory to *reports*)

The supplements are cumulative, so the highest letter has all the patches and enhancements for that menu, only the highest patch letters are distributed on the media