The Systems House, Inc.

Dashboard - [rs6000d.tshinc.com-4508 demo.12-INV.MGMT.MENU.LITE]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Account:4508 demo.12   Port:508 Menu:INV.MGMT.MENU.LITE   Capture:On

Inventory   Management   Selector

Updates:

1. Calculate Simple Demand From SALES.2
2. ABC Ranking Update
3. Inventory Class Ranking Update
4. Compute MIN/MAX, ROP/ROQ - Simple Method
5. ROP and ROQ Proof Listing
6. Copy Manual ROP _ROQ to Actual Fields

Reports:

7. Below ROP Report
8. Purchasing Report by Vendor
9. Low Stock Report
10. Inventory Analysis Report
11. ABC Ranking Report
12. Inventory Class Ranking Report

PO   Generation:

13. Generate PO by Vendor _Reorder Point
14. Automatic Create PO's for Selected Vendors

Settings:

15. Inventory Management Parameter Maintenance
16. Inventory Management Parameters -- Report

Enter Selection or END :

| OE | CONTACTS | MAINT | DRILL | EXECINQ | REPORTS | CAPT OFF | VIEW | CRM.MENU | VRM.MENU | | |
| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Inventory Management Lite Training Guide

Inventory Management Lite is a simpler subset of a larger, more complex system available in MDS. It was developed to allow our clients to use the most important features of inventory management without much of the heavy overhead not needed by most businesses.

This is a simple, effective method which can be used to increase your purchasing efficiency. The system reviews usage, compares it to on hand / on order quantities, and recommends a purchase quantity.

The main objective to using Inventory Management Lite is to minimize your Inventory carrying costs, while maximizing your service levels.

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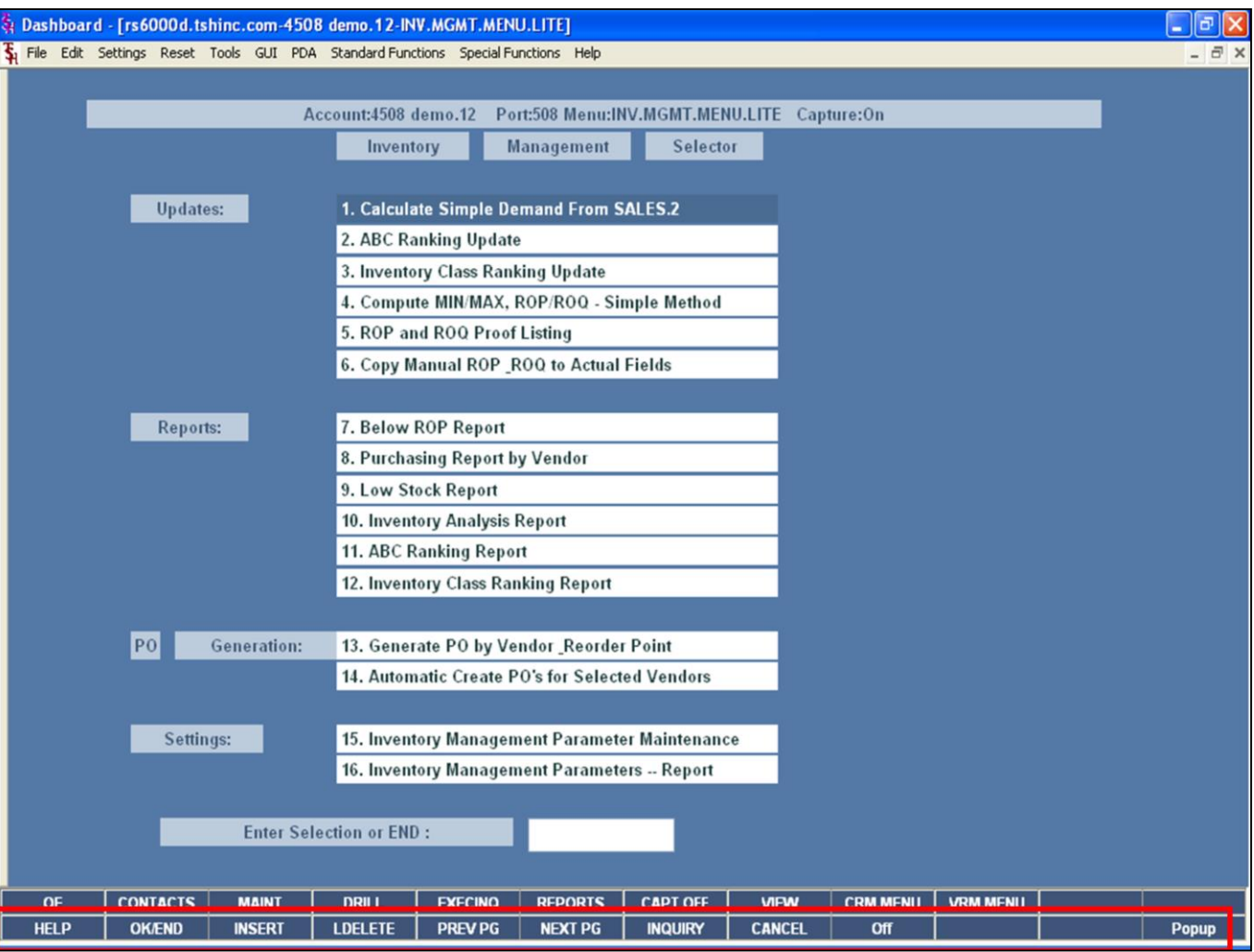
Master File Maintenance Function Keys

The first 12 function keys on your keyboard (F1-F12) are reserved for special functions in the MDS master file maintenance programs. They appear on the last line of the screen as follows:
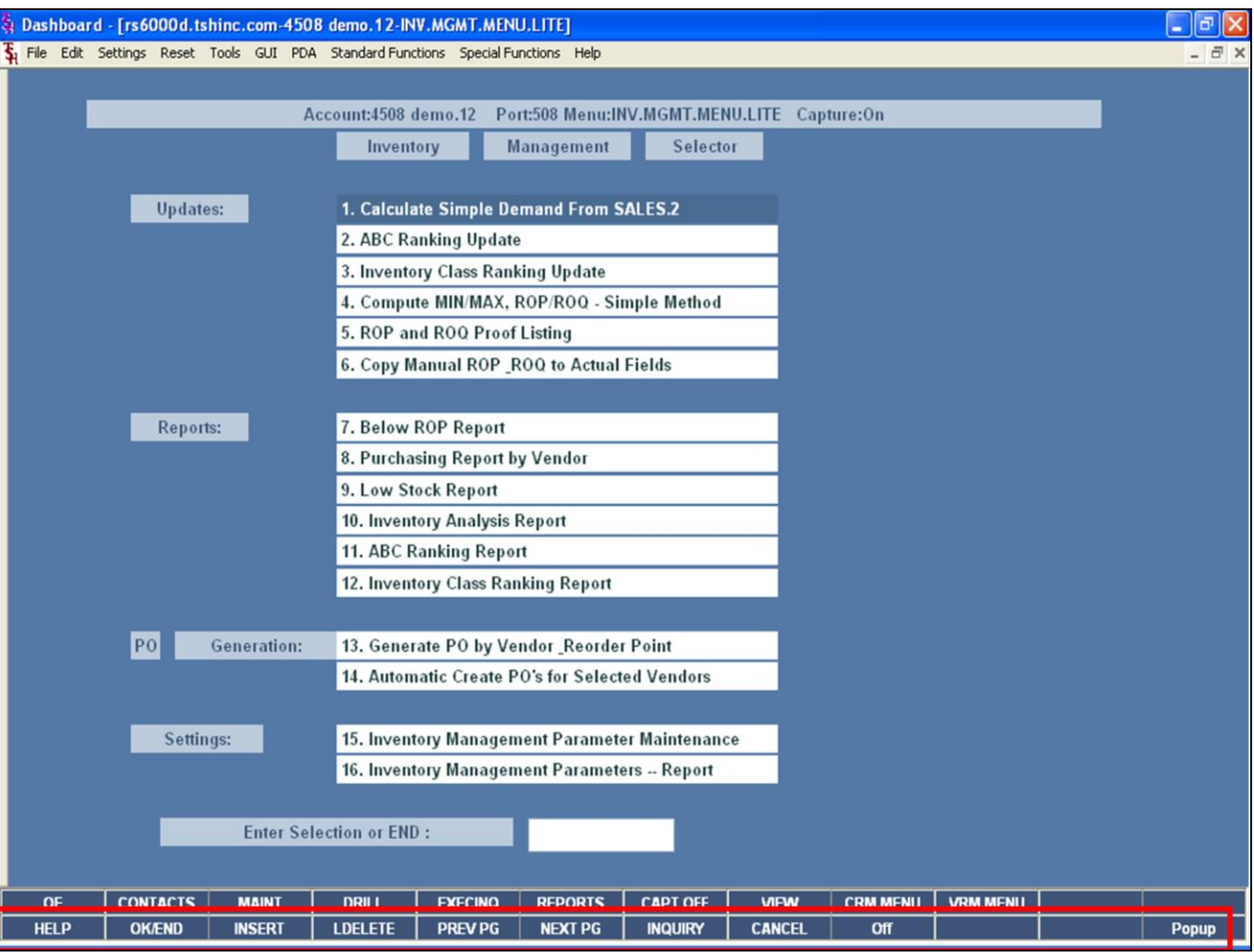
HELP - The HELP function is available by clicking on the **'HELP'** button or by pressing the 'F1' function key. Help text is setup as two layers. By pressing 'F1' at the first field on the screen, an overall description of the master file will be displayed. If 'F1' is pressed at a specific field within the master file, a detailed description of the field and its' use will be displayed.

OK/END – The OK/END function is available by clicking on the **'OK/END'** button, pressing the 'F2' function key, or by typing in the word 'END' and hitting <ENTER>. This function acts as an "accept" within a record.

INSERT – The INSERT function is available by clicking on the **'INSERT'** button or by pressing the 'F3' function key. The INSERT mode feature allows insertion of letters or numbers into existing text. For example, if in the master file and you wish to insert additional words into a description field or correct a spelling error, you may use the insert function to do so, rather than retype the text.

LDELETE – The LINE DELETE function is available by clicking on the **'LDELETE'** button or by pressing the 'F4' function key. The LDELETE function allows you to delete a line from the master file. Simply bring the cursor to the line you wish to delete, and click or press 'F4'.

PREV PAGE – The PREVIOUS PAGE function is available by clicking on the **'PREV PG'** button or by pressing the 'F5' function key. This function would be used for master files which contain multiple input screens and will allow easy paging to additional screens. This function can be used simultaneously with the PREV PG function to move back and forth between the screens.

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Master File Maintenance Function Keys

NEXT PG – The NEXT PAGE function is available by clicking on the **'NEXT PG'** button or by pressing the 'F6' function key. This function would be used for master files which contain multiple input screens and will allow easy paging to additional screens. This function can be used simultaneously with the PREV PG function to move back and forth between the screens.

INQUIRY – The INQUIRY function is available by clicking on the **'INQUIRY'** button or by pressing the 'F7' function key. This function allows the operator the flexibility to display items in the master file already entered and to display other master files used within the file being created. Example: The Product Master file. At the first prompt for product number, if the operator clicks on the **'INQUIRY'** button or 'F7' is pressed the inquiry can be made to display products on file (to eliminate duplication). If you click on the **'INQUIRY'** button or press the 'F7' function key at another field, for example, product type (which is another master file) the system will display product types on file to help the operator in selecting which product type best fits the product being created. As you can see the inquiry function can be a very useful tool when creating or maintaining master files.

CANCEL – The CANCEL function is available by clicking on the **'CANCEL'** button or by pressing the 'F8' function key. This function is used to end a program without applying changes or additions made and should only be used if you DO NOT want the changes to be updated to the file. If used, the record will be filed as it was before the operator accessed it, in other words, as though no changes were made.

Off – The Off function is available by clicking on the **'Off'** button or by pressing the 'F9' function at any menu. This function will disconnect your session from WinMDS.

Popup – The Popup function is available by clicking on the **'Popup'** button or by pressing the 'F12' function key. This function will bring up a custom menu with personally specified menu options.

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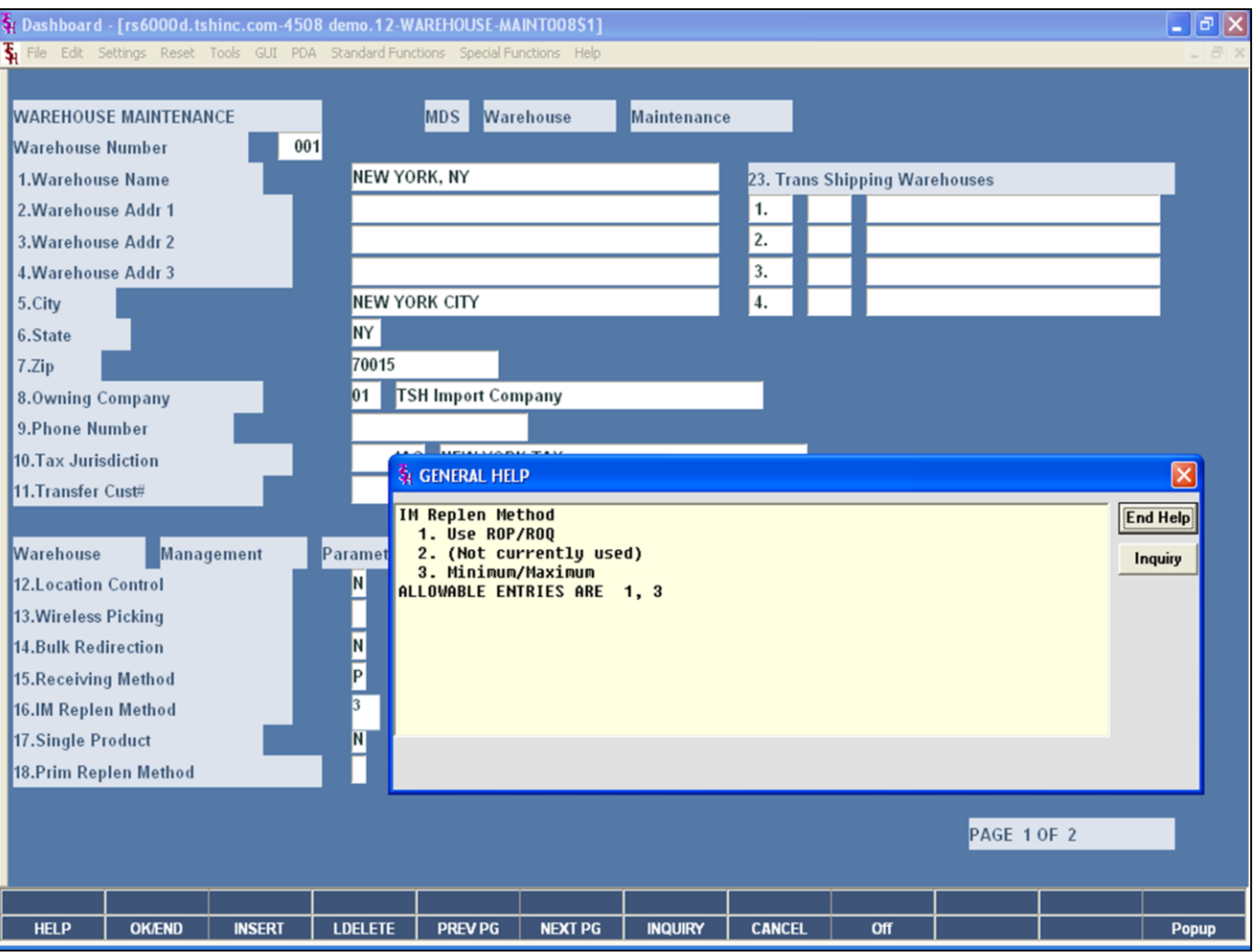
Inventory Management Lite File Setups – Warehouse

IM Replen Method – The Inventory Management Replenishment Method, to use ROP/ROQ choose option #1, or to use Minimum/Maximum's choose option #3. We will review these options later in the guide.

ROP/ROQ – Set a Reorder quantity, and X number of multiples of this quantity can be ordered until the optimum quantity set for this item is reached. The formula balances the cost of carrying inventory with the cost of going through a replenishment cycle, thereby developing the lowest possible "outgoing cost".

Minimum/Maximum – Where minimum's and maximum's are either system calculated or manually entered, and when the on hand quantity of an item falls below the minimum, the system determines the order quantity to bring it to the maximum.

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Inventory Management Lite Menu

The menu is divided into several sections.

Updates

Reports

PO Generation

Settings

The first section we will review is Settings. This section covers the initial setup of the Inventory Management Parameter file.

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INVENTORY MANAGEMENT PARAMETER FILE INPUT

Inventory Management Parameters - Basic Settings

PARAMETER   IM.PARAM

		Demand Scaling Factor - Non Seasonal	
1.ROP Months Non Seasonal	5		
2.ROP Months Seasonal	3	16.#	
3.A Item Service Level	140.00	1.	
4.B Item Service Level	104.00	2.	
5.C Item Service Level	68.00	3.	
6.D Item Service Level	0.00	4.	
7.Single Service Level	0.00	5.	
8.PO Cost Source	2	6.	
9.Default Purchasing Lead Time	2.0	7.	
10.Default Admin Lead Time	0.5	8.	
11.Alpha Constant for Lead Time	0.3	9.	
12.Purchasing Lead Time Minimum	25.00	10.	
13.Purchasing Lead Time Maximum	200.00	11.	
14.Default ROP/Min Months	0.0	12.	
15.Default ROQ/Max Months	0.0		

ENTER LINE # TO CHANGE,DELETE TO DELETE,0 TO ACCEPT :   XXXXXX   PAGE 1 OF 2

HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off			Popup

Inventory Management Lite Parameter File

ROP Months Non Seasonal – Enter the specified number of previous months for sales to use when calculating the demand, for non seasonal items.

ROP Months Seasonal – Enter a specified number of previous months for sales to use when calculating the demand, for seasonal items.

If you are using Min/Max Method #3, you can also enter the default ROP/Min Months and Default ROQ Max Months.

Note – If you are using the Min/Max Method #3, you have the option to override the default Min/Max parameter settings in the Vendor Master file.

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INVENTORY MANAGEMENT PARAMETER FILE INPUT

Inventory Management Parameters - Basic Settings

PARAMETER | IM.PARAM

		Demand Scaling Factor - Non Seasonal
1.ROP Months Non Seasonal	5	
2.ROP Months Seasonal	3	16.#
3.A Item Service Level	148.00	1.
4.B Item Service Level	104.00	2.
5.C Item Service Level	68.00	3.
6.D Item Service Level	0.00	4.
7.Single Service Level	0.00	5.
8.PO Cost Source	2	6.
9.Default Purchasing Lead Time	2.0	7.
10.Default Admin Lead Time	0.5	8.
11.Alpha Constant for Lead Time	0.3	9.
12.Purchasing Lead Time Minimum	25.00	10.
13.Purchasing Lead Time Maximum	200.00	11.
14.Default ROP/Min Months	0.0	12.
15.Default ROQ/Max Months	0.0	

ENTER LINE # TO CHANGE,DELETE TO DELETE,0 TO ACCEPT :   XXXXXX   PAGE 1 OF 2

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Notes:

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Inventory Management Lite Parameter File

The next section is how to designate Safety Stock among Service Levels.
First, let's review Safety Stock:

Safety Stock – Safety stock provides protection against irregularities or uncertainties in an item's demand or supply. It is an extra inventory to take care on unexpected events, and is the remaining inventory between the time that an order is placed and when new stock is received. If there is not enough inventory, then a shortage may occur.

The ABCD Service Level Ranking - The ABCD ranking system is to group items according to a specified ranking, in an attempt to identify the small number of items that will account for most of the volume and that are the most important ones to control for effective inventory management.

The MDS system allows this ranking to be assigned based upon:
Unit Volume
Sales Volume
Gross Profit
Cost Volume
Number of Times Ordered

A Item Service Level – Safety stock service level percentage for 'A' items.
B Item Service Level – Safety stock service level percentage for 'B' items
C Item Service Level – Safety stock service level percentage for 'C' items.
D Item Service Level – Safety stock service level percentage for 'D' items.

Single Service Level – This is the safety stock percent override. Enter this value if you want to use the single safety stock method. This value will override the use of the A,B,C,D service percentage.

PO Cost Source – This is the purchasing cost source, Enter 1 for Standard Cost (PROD.MAST 5), enter 2 for Last Cost (PROD.MAST 6), or enter 3 for

The Systems House, Inc.

Average Cost (PROD.MAST 55).

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Inventory Management Lite Parameter File

Default Purchasing Lead Time – The default purchasing lead time is only used if a lead time is not calculated by the system and placed in the Product Master record. The override for a specific product is stored in the Product Detail record. This value is stored to one decimal place in months.

Default Admin Lead Time – The default administrative lead time is a constant factor reflecting the time it takes to issue a purchase order to the vendor from the point in time a reorder notice is given. This lead time is stored in months to one decimal place.

Alpha Constant for Lead Time – A value between 0 and 1 used in statistical forecasting calculations for smoothing demand fluctuations. It defines how much weight is to be given to the most recent receipt. It is suggested that this value be in the range of .3 - .5.

Purchasing Lead Time Minimum – The purchasing lead time minimum to disqualify if it is less than X% of the old average lead time.

Purchasing Lead Time Maximum – The purchasing lead time maximum to disqualify if it is more than X% of the old average lead time.

Default ROP/Min Months – Enter the standard Reorder Point factor for the default. This is the number of months sales to set the reorder point/Minimum. The value is stored in months to one decimal place. This value is only used if the Replenishment method is set to: #3 Minimum/Maximum. This value will be used as the default, if the vendor's ROP months is not set.

Default ROQ/Max Months – Enter the number of months inventory for the Reorder Quantity (max). The value is stored in months to one decimal place. This value is only used if the Replenishment method is set to : #3 Minimum/Maximum. This value will be used as a default when the vendor's ROQ months is not set.

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Inventory Management Lite Parameter File

Demand Scaling Factor – The demand scaling factor is a way to give a higher importance to the most recent sales periods. For example, if ROP Months Non Seasonal is 5, then entering 5,4,3,2,1 in the first 5 buckets will give 5 times the weight to the most current sales period in the demand calculation. Then 4 times the weight to the month before, 3 times the weight to the period three months prior, then 2 times the weight to the period 4 months prior, and lastly 1 times the weight to the 5th month prior.

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Dashboard - [rs6000d.tshinc.com-5296 demo.12-IM.PARAMS2]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Inventory Management Parameters - Advanced Settings

17. DMD.HIGH	250.00	31. PO.MULT	10
18. DMD.MIN.UNITS	3	32. TRN.MULT	10
19. SO.DAYS	14	33. EOQ.MAX.S	10.00
20. LST.SALE	2	34. VEND.MIN	0
21. MIN.SALES	5	35. MAX.CYCLE	3.00
22. MIN.VAL	1.00	36. MIN.CYCLE	0.25
23. TREND.PCT	0.00	37. EOM UPDATE	N
24. TREND.SOURCE	I	38. PO FRAMES	1000
		39. SS FLAT%	12
25. SS.TRANSFERS			
26. SS.MONTHS	6		
27. PO.COST	5.00		
28. INV.COST	29.00		
29. EOQ.MIN	25.00		
30. EOQ.MAX	300.00	40. BRANCH SEQUENCE	

1	
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ENTER LINE # TO CHANGE,DELETE TO DELETE,0 TO ACCEPT :   XXXXXX   PAGE 2 OF 2

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Inventory Management Lite Parameter File

Trend.Pct – This figure represents the overall company sales trend percentage and is used in the computation of usage for seasonal items. This figure is calculated during the inventory management sales update.

Trend.Source – The method of computing the trend on seasonal items:

> **I –** use usage data at the item level.

> **P –** use the aggregate trend percentage from product line file, PLINE(25).

> **C –** use the aggregate trend percentage for the company as displayed on this screen, TREND.PCT.

> The aggregate trend percentages are calculated during the inventory management sales update.

> *New items will use the default in the parameter file.

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Inventory Management Lite Parameter File

PO Cost – This represents the costs of issuing a purchase order line.

Inv Cost – This represents the cost to keep inventory. For example, rent, electricity, etc.

EOQ Min – The EOQ (Economic Order Quantity) minimum of X% average monthly demand. The value is stored in months to one decimal place. This value is only used if the Replenishment method is set to: #1 ROP/ROQ.

EOQ Max – The EOQ (Economic Order Quantity) maximum of X% average monthly demand. The value is stored in months to one decimal place. This value is only used if the Replenishment method is set to: #1 ROP/ROQ.

Dashboard - [rs6000d.tshinc.com-5296 demo.12-IM.PARAMS2]

File   Edit   Settings   Reset   Tools   GUI   PDA   Standard Functions   Special Functions   Help

Inventory Management Parameters - Advanced Settings

17. DMD.HIGH	250.00	31. PO.MULT	10
18. DMD.MIN.UNITS	3	32. TRN.MULT	10
19. SO.DAYS	14	33. EOQ.MAX.S	10.00
20. LST.SALE	2	34. VEND.MIN	0
21. MIN.SALES	5	35. MAX.CYCLE	3.00
22. MIN.VAL	1.00	36. MIN.CYCLE	0.25
23. TREND.PCT	0.00	37. EOM UPDATE	N
24. TREND.SOURCE	I	38. PO FRAMES	1000
		39. SS FLAT%	12
25. SS.TRANSFERS			
26. SS.MONTHS	6		
27. PO.COST	5.00		
28. INV.COST	29.00		
29. EOQ.MIN	25.00		
30. EOQ.MAX	300.00	40. BRANCH SEQUENCE	

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ENTER LINE # TO CHANGE,DELETE TO DELETE,0 TO ACCEPT :   XXXXXX   PAGE 2 OF 2

HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off			Popup

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DATE   16 Nov 2007       ****** PARAMETER FILE LIST *****              PAGE    1

NAME              AMC       DESCRIPTION                      JUST   LEN   VALUE

M.CALC.NS         10  ENTER THE MONTHS IN THE ROP CALCULA     R      3     5
                      TIONFOR NON SEASONAL ITEMS

M.CALC            11  ENTER THE MONTHS IN THE ROP CALCULA     R      2     3
                      TIONFOR SEASONAL ITEMS (1-12)

DMD.HIGH          12  DISQUALIFY THAT MONTH'S DEMAND WHEN     R      7    25000
                       IT IS GREATER THAN X % OF THE AVER
                      AGE DEMAND AND IT IS GREATER THAN T
                      HE MINIMUM UNITS DEFINED BY FIELD :
                       DMD.MIN.UNITS

DMD.MIN.UNITS     13  DISQUALIFY THAT MONTH'S DEMAND IF I     R      6     3
                      TS TOTAL UNITS ARE GREATER THAN X %
                       OF THE AVERAGE (AS DEFINED IN FIEL
                      D:  DMD.HIGH) AND IT'S TOTAL UNITS
                      ARE GREATER THAN THE MINIMUM THAT I
                      S ENTERED IN THIS FIELD

SO.DAYS           14  DISQUALIFY THIS ITEM IF IT WAS OUT      R      4    14
                      OF STOCK MORETHAN 'X' DAYS AND IT S
                      ATISFIES THE MINIMUM SALES AS DEFIN
                      ED BY THE FIELD: LST.SALE

LST.SALE          15  DISQUALIFY THIS ITEM IF IT IS OUT-O     R      2     2
                      F-STOCK MORE THAN X DAYS AS DEFINED
```

Inventory Management Parameters – Report

This report lists the parameters stored in the Inventory Management Parameter file. The Inventory Management Parameter Report lists all the factors used in the Inventory Management Lite module, and also prints the current value stored on file.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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Account:5296 demo.12   Port:296 Menu:INV.MGMT.MENU.LITE   Capture:On

| Inventory | Management | Selector |

Updates:

1. Calculate Simple Demand From SALES.2
2. ABC Ranking Update
3. Inventory Class Ranking Update
4. Compute MIN/MAX, ROP/ROQ - Simple Method
5. ROP and ROQ Proof Listing
6. Copy Manual ROP _ROQ to Actual Fields

Reports:

7. Below ROP Report
8. Purchasing Report by Vendor
9. Low Stock Report
10. Inventory Analysis Report
11. ABC Ranking Report
12. Inventory Class Ranking Report

PO   Generation:

13. Generate PO by Vendor _Reorder Point
14. Automatic Create PO's for Selected Vendors

Settings:

15. Inventory Management Parameter Maintenance
16. Inventory Management Parameters -- Report

Enter Selection or END :

| OE | CONTACTS | MAINT | DRILL | EXECINQ | REPORTS | CAPT OFF | VIEW | CRM.MENU | VRM.MENU | | |
| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Inventory Management Lite Menu

Now we're back at the Inventory Management Lite menu. The menu is divided into several sections. The first section is "Updates" and these processes are generally run in the order in which they are on the menu. The first process ran is: **Calculate Simple Demand From SALES.2.**

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Inventory Management Lite   13

The Systems House, Inc.
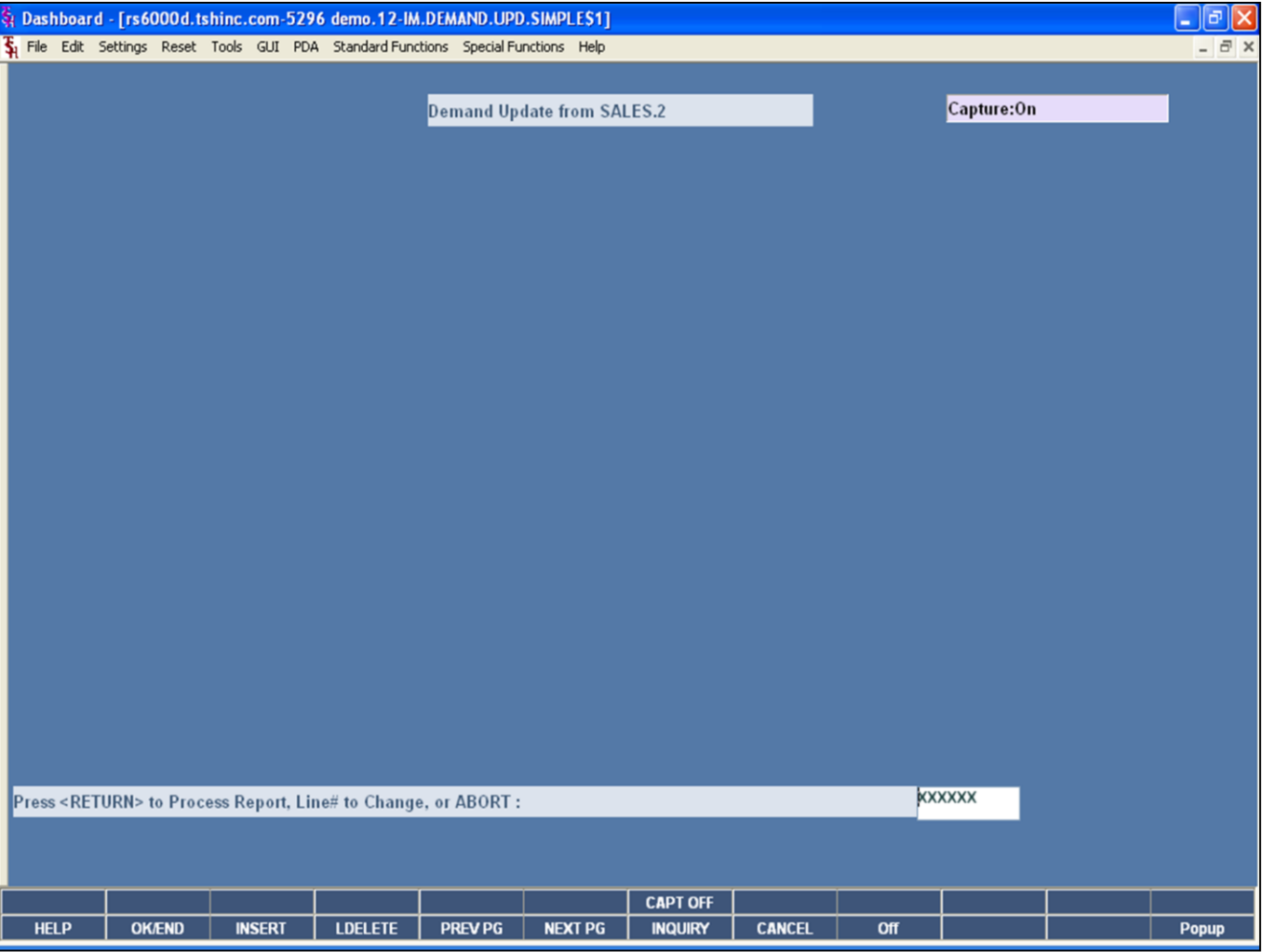
Inventory Management Lite

Calculate Simple Demand From SALES.2
Non Seasonal Items

MDS uses the past sales history to estimate future usage. MDS maintains three years of item usage history. The MDS user selects the number of months to use in the averaging via the Inventory Management Parameter file, see slide # 3.

See the below explanation to calculate the Non Seasonal Demand of an item.

For example: the ROP Months Non Seasonal in Inventory Management Parameter file is set to 5.

We are currently in Sales Month August and we will look at the 5 previous months:

Month:	July	June	May	April	March
Sales	10	8	12	10	12
	*	*	*	*	*

Scaling

Factor	5 +	4 +	3 +	2 +	1 =	15
	=	=	=	=	=	
Result	50	32	36	20	12 =	150

The calculation is:

Sales * Scaling Factor = Result

Demand = Result/Total of Scaling Factor, example below:

Demand = 150/15 = 10 Units (weighted average)

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Inventory Management Lite

Calculate Simple Demand From SALES.2
Seasonal Items

MDS uses the past sales history to estimate future usage. MDS maintains three years of item usage history. The MDS user selects the number of months to use in the averaging via the Inventory Management Parameter file, see slide # 3.

When calculating the demand of seasonal items, it is also necessary to calculate the "seasonal trend factor", or trend percent of the item. The trend percent is a calculation that expresses the anticipated increase or decrease in business from the previous year's activity.

The trend percent is based on the year to date sales.

The trend percent for new items default to the Parameter file setting.

See the below explanation to calculate the Seasonal Demand of an item.

For example: the ROP Months Seasonal in Inventory Management Parameter file is set to 3.

We are currently in Sales Month June. To calculate June's demand: (using 3 months)

Month:	March	April	May	June	July	Aug.
Last Yr:	10	10	10	20	20	20
This Yr:	15	15	15	?		

Divide this year's combined sales for the last 3 months by last year's combined sales for the same 3 months, that is your trend increase.

This year's combined sales for the last 3 months: 15+15+15 = 45

Last year's combined sales for the same 3 months:

10+10+10 = 30

See below:

45/30 = 150% trend increase (50% increase)

Now take the upcoming 3 months of sales for last year: 20+20+20 = 60

Then take the average of the 3 months: 60/3 = 20

To calculate the demand: multiply the average sales of the upcoming 3 months for last year and multiply it by the trend increase:

20 * 150% = 30

-Forecasted demand = 30 units

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Dashboard - [rs6000d.tshinc.com-5296 demo.12-IM.DEMAND.UPD.SIMPLE$1]
File  Edit  Settings  Reset  Tools  GUI  PDA  Standard Functions  Special Functions  Help
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Demand Update from SALES.2   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

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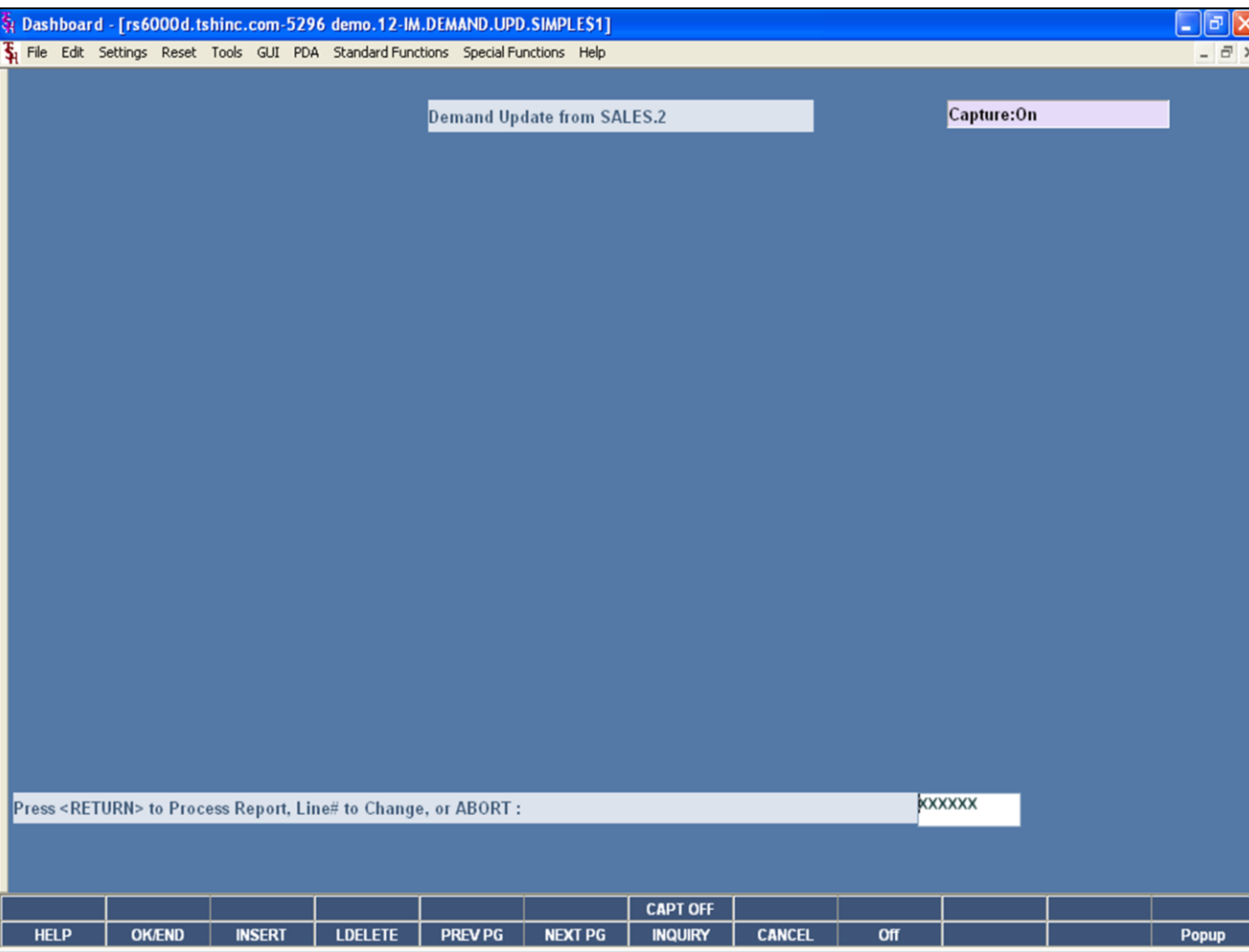
Inventory Management Lite

Calculate Simple Demand From SALES.2

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.
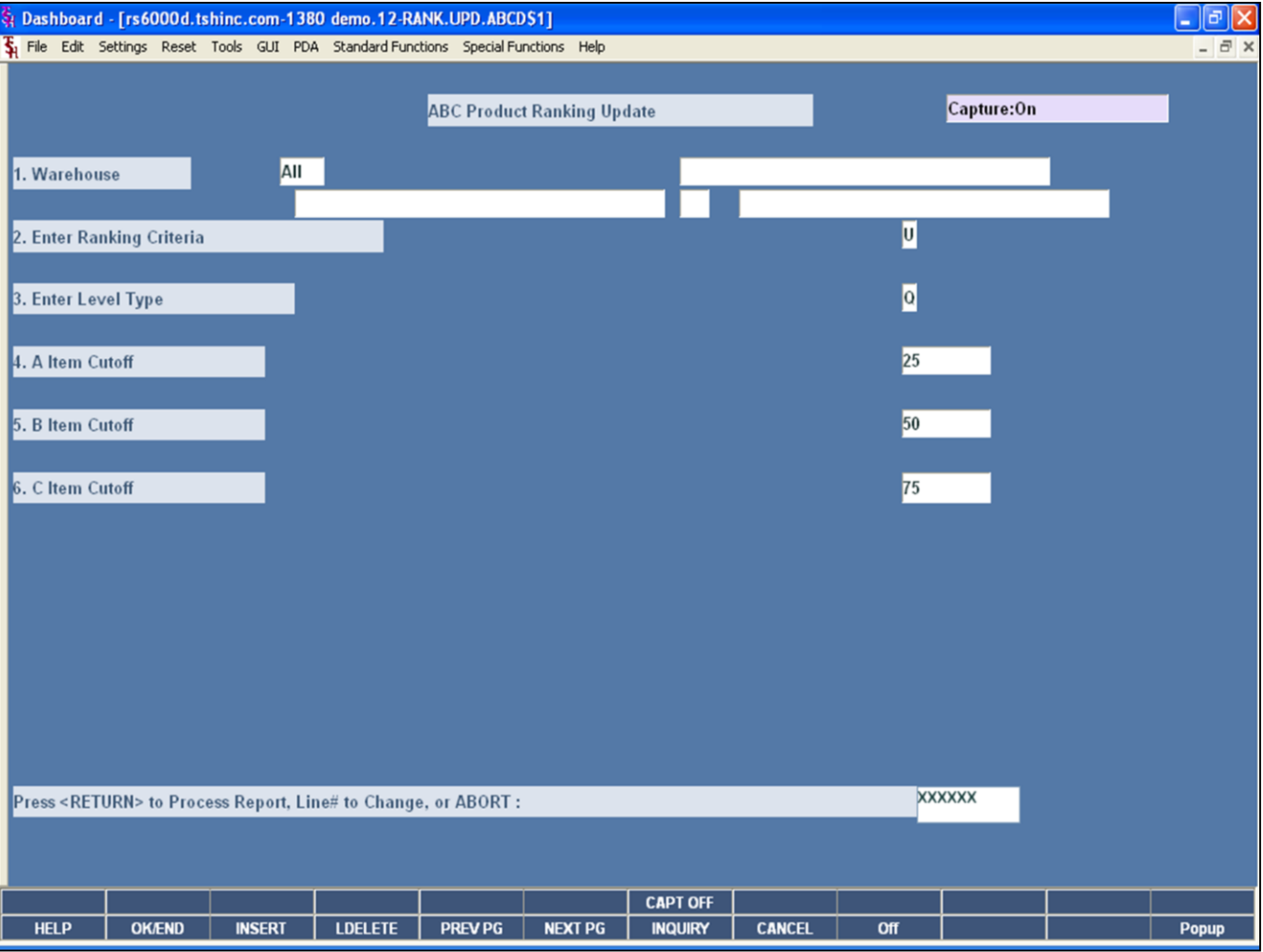
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ABC Ranking Update

Since inventory is expensive to carry, the more important the item, the higher the safety stock to be maintained. Normally. Items are categorized into A, B, C, or D items and a service level goal (percent of time inventory is in stock) established. The items coded as "A" items will be assigned a higher service level than "B" items, etc. This code is referred to as the Velocity Code.

This program allows the user to specify where the cutoff should occur, and updates the computed inventory movement code to the Product Detail record.

Warehouse – The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Enter Ranking Criteria – The operator can rank based off of 'Unit Volume', 'Sales Volume', 'Gross Profit', 'Cost Volume', or 'Number of Orders'.

Enter Level Type – The operator can choose either 'Quantity' or 'Percent for the Level Type'.

Use Quantity Level if ABC levels refer to the number of items. For example: 10 for A items cutoff, 20 for B items cutoff and 30 for C items cutoff.

Use Percent Level is ABC levels refer to the percentage of total items. For example: 10% for A items cutoff, 20% for B items cutoff and 30% for C items cutoff.

A Item Cutoff – Enter the cutoff level for A items, for example if the cutoff level is 100 then the top 100 items based on the ranking criteria will be considered A items.

B Item Cutoff – Enter the Cutoff Level for B items, for example if the Cutoff Level is 200 and the A item Cutoff is 100 then items 101-200 based on the ranking criteria will be considered B items.

C Item Cutoff – Enter the cutoff level for C items, for example if the cutoff level is 300 and the B item cutoff is 200 then items 201-300 based on the ranking criteria will be considered C items.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the "OK/END" button, or hit the "F2" function key to process the report.

The user can also enter a Line Number to make desired changes.

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Click on the "CANCEL" button or hit the "F8" function key to abort out of the process.
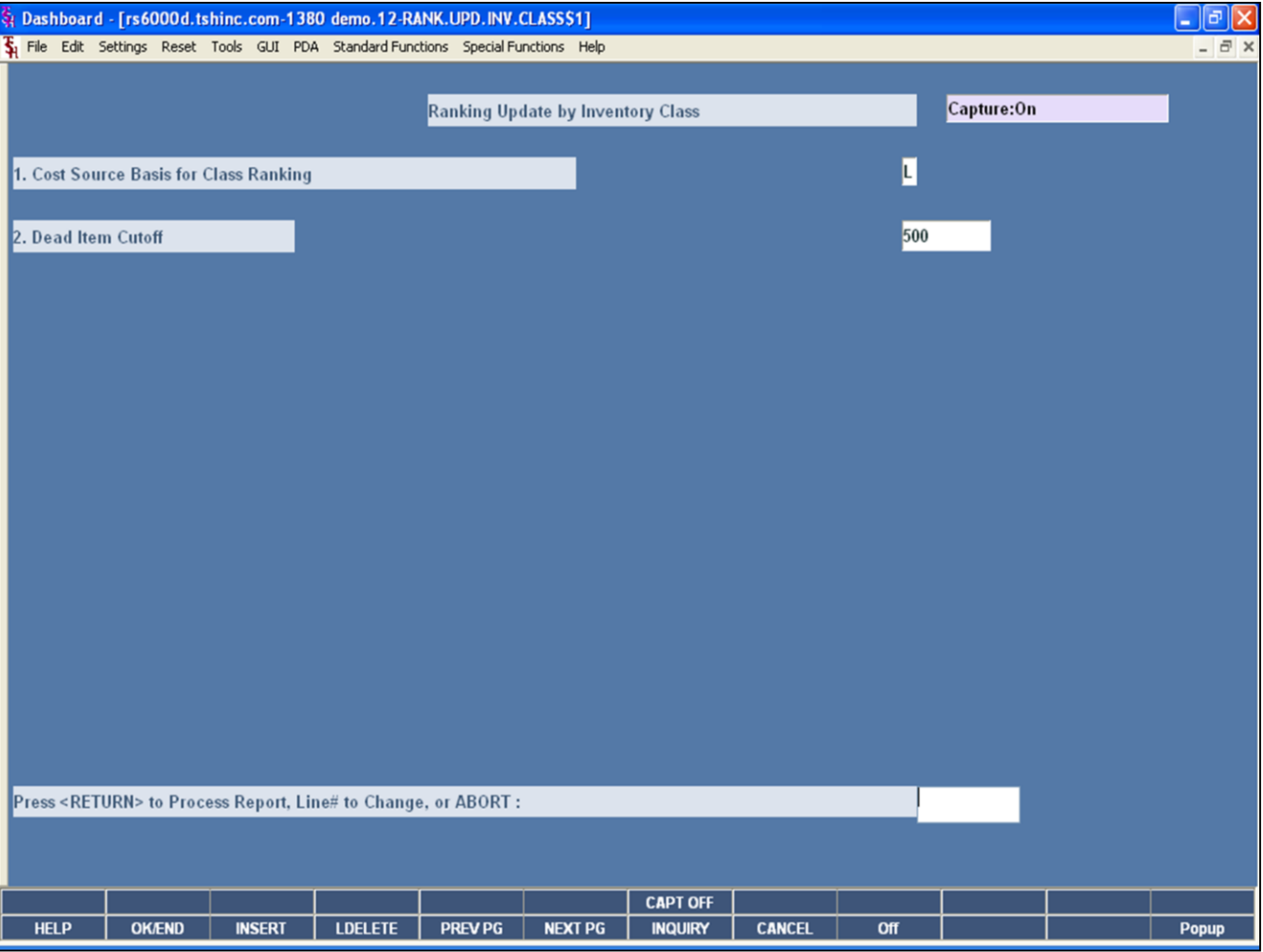
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Inventory Class Ranking Update

Ranking your items by Inventory Class is a different method than the ABC ranking approach. However, you will classify your stock items in a similar way. Unlike only being able to classify using four classes, you now must identify 13. New classes 1 and 2 sub-divide the A group. Classes 3 and 4 are a breakdown of the B group. Classes 5 through 12 establish eight levels within the group that used to be called C's. Class 13 is the same in the inventory class ranking as is ABC ranking, they are the non-movers.

Cost Source Basis for Class Ranking – Your options to choose from are: 'Standard Cost', 'Last Cost', or 'Average Cost'.

Dead Item Cutoff – Decide where the "dead" item breakpoint is. For example, any items that sells less than $500.00 at cost for a whole year is considered "D" Class (dead items).

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the "OK/END" button, or hit the "F2" function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the "CANCEL" button or hit the "F8" function key to abort out of the process.

The update program will:

1. Multiply the annual usage in units by unit cost to determine the annual dollar amount moving through the inventory for each item:

For example:

100 units sold in a year x 8.20 cost = $820.00

2. Next it will sequence all items according to the dollar movement answers. The best items with most dollars moving through the inventory are at the top of the list. Zero's are all at the bottom.

3. It will then remove all "Dead Items" items from the classification process.

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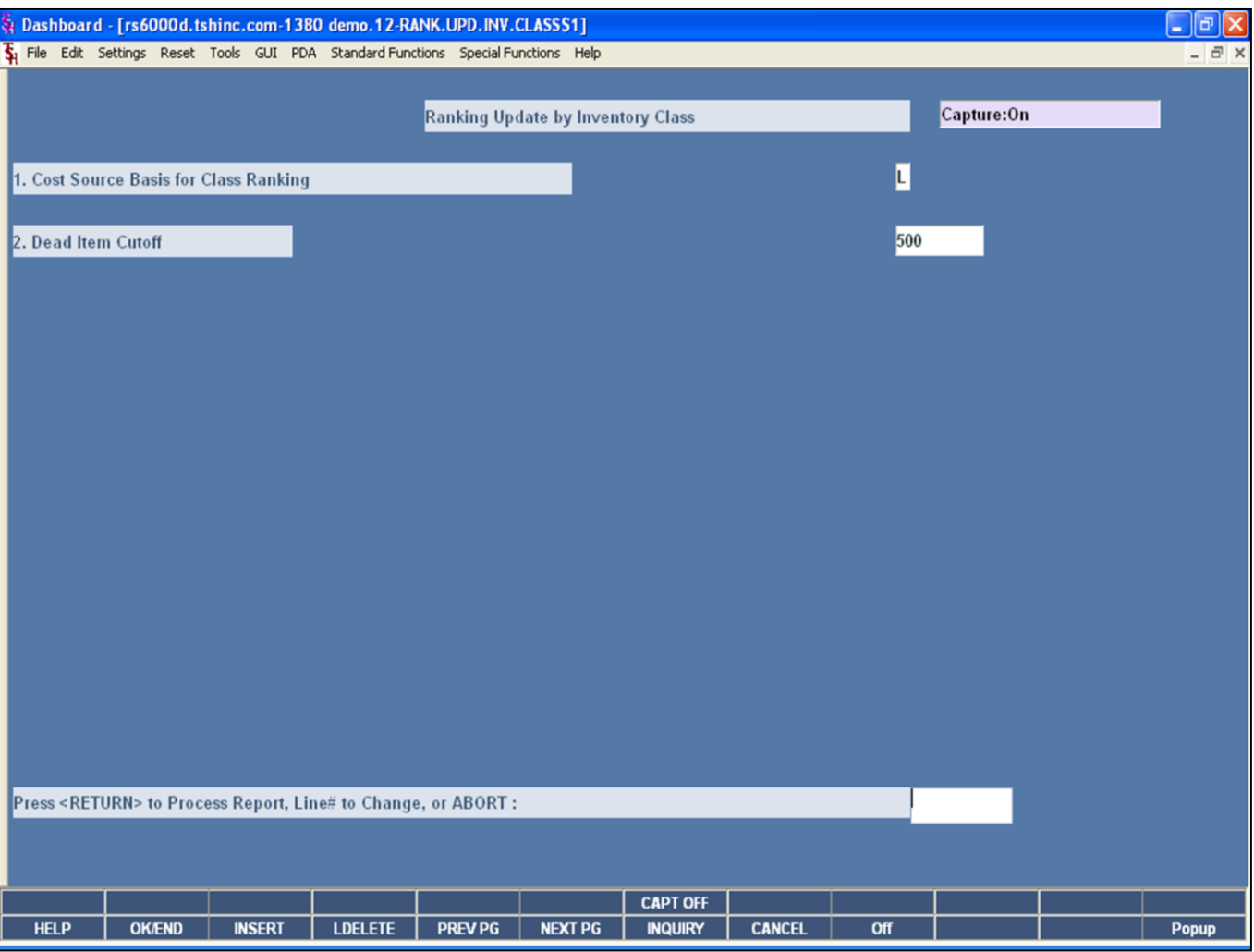
Inventory Class Ranking Update

4. Lastly, the program will assign each item (excluding dead items) an Inventory Class as below:

Top 7 ½% of the items	- Class 1
Next 7 ½ %	- Class 2
Next 10%	- Class 3
Next 10%	- Class 4
Next 8%	- Class 5
Next 8%	- Class 6
Next 8%	- Class 7
Next 8%	- Class 8
Next 8%	- Class 9
Next 8%	- Class 10
Next 8%	- Class 11
Last 9%	- Class 12

    100%

The percentages are of the total number of items on the list. If, for example, you had 5000 items remaining in the study after taking out the D's, Class 1 would have 7 ½% of 5000 or 375 items. Class 2 would also have 375. Class 3 would have 500 items, etc.

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Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

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HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off				Popup

Compute MIN/MAX, ROP/ROQ – Simple Method

MIN / MAX Calculation

The MIN/MAX Replenishment is option # 3 for IM Replenishment Method located in the Warehouse record.

After the demand is calculated, the MIN/MAX calculation may be run. This will determine the minimums and maximums using the average monthly demand arrived at earlier.

The formula to calculate the minimum is: Demand * Vendor Minimum Months (or if that was null the value would be the default from the Inventory Management Parameter file), then add the Service Level amount.

The formula to calculate the maximum is Demand * Vendor Maximum Months (or if that was null the value would be the default from the Inventory Management Parameter file), then add the Service Level amount.

Example:

Demand = 20

The ABC Item Service Level Factor for "A" Items, from the Inventory Management Parameter file is set to 50%.

The Vendor Master record has the Minimum Months set to 2.0 and the Maximum Months set to 3.0.

Minimum = 20 * 2 = 40

Calculate the service level: 40 * 50% = 20

The new Minimum will be: 40 + 20 = 60

Maximum = 20 * 3 = 60

Calculate the service level: Maximum * Service Level (in Inventory Management Parameter file).

60 * 50% = 30

Maximum is now: Maximum prior to Service Level + Service Level.

60 + 30 = 90

Notes:

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Dashboard - [rs6000d.tshinc.com-1380 demo.12-IM.ROP.UPD.SIMPLE$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

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Compute MIN/MAX, ROP/ROQ – Simple Method

MIN / MAX Calculation

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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Dashboard - [rs6000d.tshinc.com-1380 demo.12-IM.ROP.UPD.SIMPLE$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | CAPT OFF INQUIRY | CANCEL | Off | | | Popup |

Compute MIN/MAX, ROP/ROQ – Simple Method

ROP / ROQ Calculation
ROP Calculation

The ROP/ROQ Replenishment is option # 1 for IM Replenishment Method located in the Warehouse record.

After the demand is calculated, the ROP/ROQ calculation may be run. This will determine the ROP's and ROQ's using the average monthly demand arrived at earlier.

The formula to calculate the ROP is ROP = (Demand * Lead Time) + Safety Stock

First though, we will cover the calculation for Lead Time:

Lead time is made up of the following fields:

Administrative Lead Time - Located in the Inventory Management Parameter file.

Purchasing Lead Time - Located in the Product Detail record which is calculated by product based on average receipt time using alpha weighting. This is explained below. If a value is not present in the Product Detail file, then the system will use the default from the Inventory Management Parameter file.

Alpha Smoothing - A value between 0 and 1 used in statistical forecasting calculations for smoothing demand fluctuations. It defines how much weight is to be given to the most recent receipt. It is suggested that this value be in the range of .3 - .5. This value is stored in the Inventory Management Parameter file.

Alpha Smoothing = .3

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Dashboard - [rs6000d.tshinc.com-1380 demo.12-IM.ROP.UPD.SIMPLE$1]

File   Edit   Settings   Reset   Tools   GUI   PDA   Standard Functions   Special Functions   Help

Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	CAPT OFF INQUIRY	CANCEL	Off			Popup

Compute MIN/MAX, ROP/ROQ – Simple Method

ROP / ROQ Calculation

ROP Calculation

To find the Lead Time, you will first need to find the value of the Purchasing Lead Time (PLT).

PLT = Previous Lead Time * (1 – alpha smoothing) + Current Lead Time * (alpha smoothing)

PLT = 1.0 * (1 - .3) + 1.5 * (.3)

PLT = 1.15, the system rounds up to 1.2 months.

Administrative Lead Time (ALT) = .2

To find the value of the Lead Time (in months) of the item:

Lead Time = Administrative Lead Time (ALT) + Purchase Lead Time (PLT)

Lead Time = .2 + 1.2

Lead Time = 1.4 months

Now we are ready to calculate the ROP

Demand = 20   Lead Time (LT) = 1.4

The ABC Item Service Level Factor for "A" Items, from the Inventory Management Parameter file is set to 50%.

The calculation used for Safety Stock in the ROP calculation is:

Safety Stock = Service Level * (Demand * Lead Time)

Safety Stock = 50% *(20 * 1.4)

Safety Stock = 50% * 28

Safety Stock = 14

Now if we put it all together:

ROP = (Demand * Lead Time) + Safety Stock

ROP = (20 * 1.4) + 14

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ROP = 28 + 14
ROP = 42

Notes:

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Dashboard - [rs6000d.tshinc.com-1380 demo.12-IM.ROP.UPD.SIMPLE$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

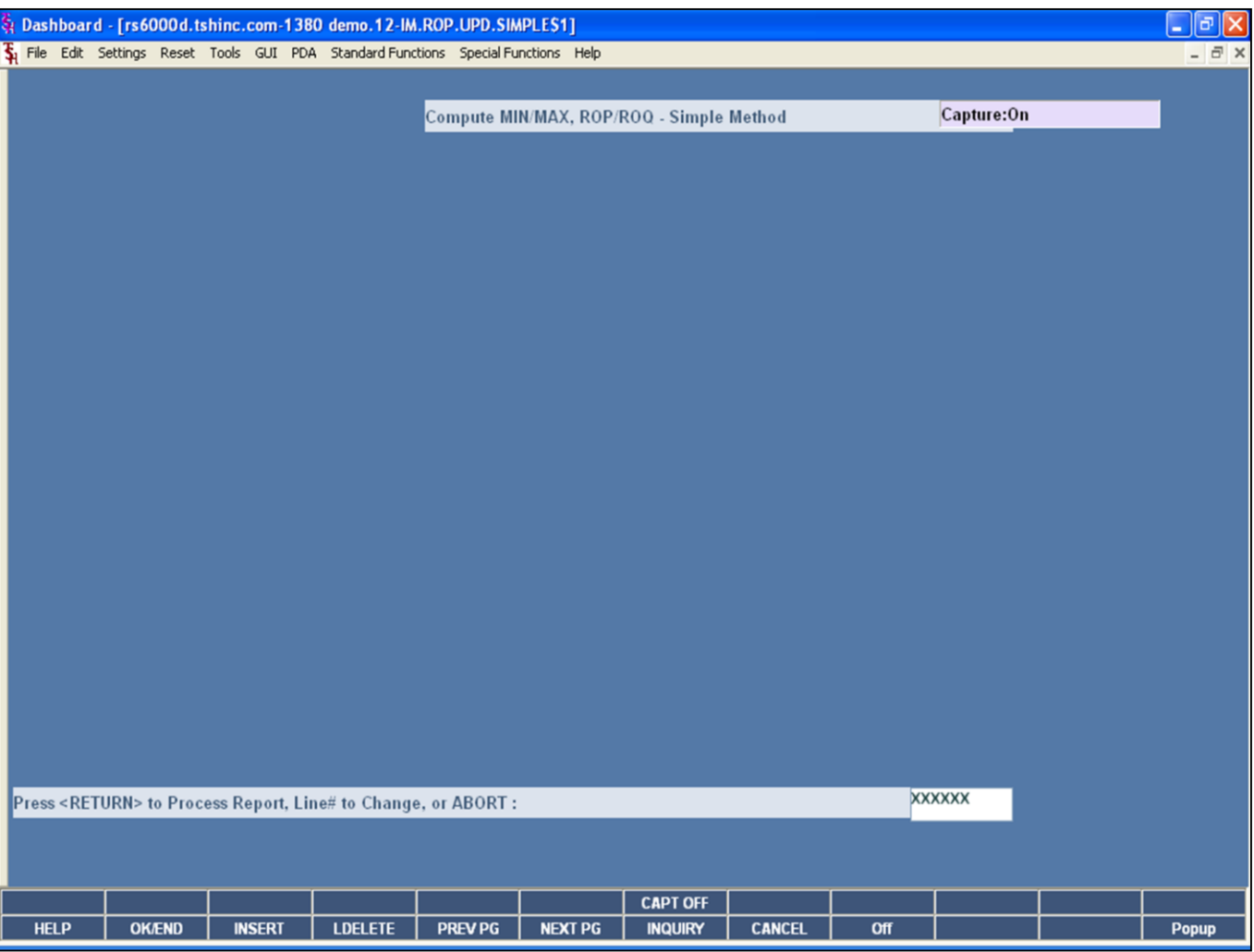| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | CAPT OFF INQUIRY | CANCEL | Off | | | Popup |

Compute MIN/MAX, ROP/ROQ – Simple Method

ROP / ROQ Calculation
ROQ Calculation

Reorder Quantity is also referred to as Economic Order Quantity (EOQ).

The calculation for EOQ is:

EOQ = square root of (2 * PO Order Cost * annual demand) / (inventory carrying cost * Unit cost)

PO Order Cost = 5.00

Annual Demand = Demand * 12

Annual Demand = 240

Inventory Carrying Cost = 29 %. This value is stored in the Inventory Management Parameter file.

Unit Cost of Item = 10.00

Now if we put it all together:

EOQ = square root of (2 * PO Order Cost * annual demand) / (inventory carrying cost * Unit cost)

EOQ = square root of (2 * 5.00 * 240) / (29%* 10.00)

EOQ = square root of (2400 / 2.9)

EOQ = square root of 827.58620689

EOQ = 28.767798089, rounded up to 29

EOQ = 29

The next check the system does is to round up the reorder quantity to the nearest purchasing multiple. This item is stocked in eaches and sold in cases. The case quantity is 10. So the new EOQ would equal 30.

EOQ = 30

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Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

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Compute MIN/MAX, ROP/ROQ – Simple Method

ROP / ROQ Calculation

ROQ Calculation

Lastly, the system checks that the EOQ is not below the Minimum EOQ Percent or above Maximum EOQ Percent stored in the Inventory Management Parameter file.

EOQ Minimum = 25%

EOQ Maximum = 300%

Demand = 20

Calculation for checking the Minimum EOQ:

EOQ Minimum = Minimum EOQ Percent * Demand

EOQ Minimum = 25% * 20

EOQ Minimum = 5

The system then compares the EOQ, which is 30, with the EOQ Minimum, which is 5.

If the EOQ is less than the EOQ Minimum, then the EOQ will be updated to use the Minimum EOQ.

Calculation for checking the Maximum EOQ:

EOQ Maximum = Maximum EOQ Percent * Demand

EOQ Maximum = 300% * 20

EOQ Maximum = 60

The system then compares the EOQ, which is 30, with the EOQ Maximum, which is 60.

If the EOQ is more than the EOQ Maximum, then the EOQ will be updated to use the Maximum EOQ.

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Compute MIN/MAX, ROP/ROQ - Simple Method   Capture:On

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	CAPT OFF INQUIRY	CANCEL	Off			Popup

ROP / ROQ Calculation

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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P/C PRODUCT/DESCRIPTION......	SELL UM.	QTY SOLD. 12 MONTHS	VEL	LEAD TIME	LST.CST..	DEMAND	SAFETY.ST	ON... HAND..	AVAIL.	ROP.....	ROQ...
001 ARS24250 RANGER.STANDARD.FLO.	EA	A	0.2	108.10	313	32	323	323	95	78
001 ARS40068 BLANKET.BAIR.FULL.	EA	C	0.2	49.40	173	4	86	146	39	43
001 ARS42268 BLANKET.UPPER.BODY	EA	A	0.2	68.40	1612	161	686	1266	483	403
001 ARS42568 BLANKET.LOWER.BODY	EA	A	0.2	68.40	533	54	307	477	161	133
001 ARS55501 COVER.BAIR.FULL.NEONATAL	EA	C	0.2	132.50	39	1	27	87	9	10
001 ARS90029 FILTER BLOOD RANGER	EA	D	0.2	95.00	7	0	60	60	1	10
001 ASE10-1158 METRAMIST.SPRAY.8OZ	EA	B	0.2	41.15	391	20	210	306	98	98
001 ASE10-1400 METRICIDE 14-DAY GAL	GL	B	0.2	39.50	118	6	97	113	30	36
001 ASE10-2800 PROCIDE.METRACIDE.28-DAY.	EA	D	0.2	48.50	5	0	4	8	1	8
001 ASE10-303 GLUTARALDEHYDE TEST	BT	C	0.4	77.10	4	0	6	6	2	6
001 ASP011001PBX MINI RED VESSEL LOOP	EA	C	0.2	14.47	93	2	78	78	21	50
001 ASP051003PBX BOOT SUT AID YEL (5/BX)	BX	D	0.2	10.47	10	0	25	25	2	20
001 ASP092007BBG GUARD.REG.CLR.SLD.2X9X25M	PK	C	0.1	9.97	61	1	-8	-8	7	50
001 ASP092008BBG GUARD.REG.CLR.SLD.2X16X25	PK	C	0.2	9.97	49	1	40	42	11	45
001 ASP2201 PIN SAFETY STERILE 1"	EA	C	0.2	90.97	73	2	66	66	17	18
001 ASP2202 PIN SAFETY STERILE 1-1/2"	EA	D	0.1	90.97	35	0	44	44	4	9

ROP and ROQ Proof Listing

The ROP/ROQ Proof Listing details the results of the computer calculation. If desired, these results can be manually overridden in the product detail file maintenance.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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Manual Overrides

After reviewing the ROP/ROQ Proof Listing, you may want to make a change to an item's reorder point or reorder quantity. To do this, you will need to go into the Product Detail record.

Usage Override – To override the system calculated demand amount, enter a value here.

ROP Override – To override the system calculated ROP amount, enter a value here.

ROQ Override – To override the system calculated ROQ amount, enter a value here.

Safety Stock – To override the system calculated safety stock, enter a value here.

PLT Override – A value entered here will override the purchase order lead time as calculated in the PO system. This can also be overridden in the Inventory Management Parameter file.

Reason – When overriding one of the above fields, the system will prompt for you to enter a reason for overriding. This is optional.

Date – When overriding one of the above fields, the system will prompt for you to enter the date the override was entered. This is a required field, but you can hit <ENTER> to default to today's date.

Expiration – Enter the date the override should expire. This is a required field.

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Dashboard - [rs6000d.tshinc.com-3628 demo.12-MOVE.ROP$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Copy Manual ROP _ROQ to Actual Fields   Capture:On

1. Warehouse   All

Press <RETURN> to Process Report, Line# to Change, or ABORT :   XXXXXX

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | CAPT OFF INQUIRY | CANCEL | Off | | | | Popup |

Copy Manual ROP/ROQ to Actual Fields

This option is used if any overrides were entered in the product detail records. This program simply moves the manual override data into the system live fields.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

The next step would be to run the ROP and ROQ Proof Listing again and review.

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PAGE    1                 BELOW ROP REPORT BY WAREHOUSE BY PRODUCT LINE                          DATE : 11/15/07
                                                                                                 TIME : 11:31:41am

WAREHOUSE: 001

PRODUCT NO      PRODUCT DESCRIPTION    ON   VEND   CUST  AVAIL   ROP    EOQ    ROQ   SUGG PO LAST    LAST     NEXT
                                       HAND ONORD  B/O                              ROQ  UM ORDER   RECIEPT  PURCHASE
-------------------------------------------------------------------------------------------------------------------

---------------------------------------------------
PRODUCT LINE:
---------------------------------------------------
ADV10-108       TRANSFER DEVICE        -74    0     0    -74     0      0      0      74 CS 10/11/07 10/08/07 11/05/07
ALL2D7224T      GLV PWD LX 7.5 STRL    -27    0     0    -27     0     107    107  14184 CS 10/12/07 09/11/07 11/05/07
ALL2D7297I      GLV.UF-MAX.PF.LX.(9.   -27    0     0    -27    12     15     15   1953 BX 09/21/07 04/25/07 11/05/07
ALL2D72PT85     GLV.EST.SMT.PF.SYNTH    35    0    40     -5     0      44     44   5780 BX 10/10/07 09/28/07 11/05/07
ALL30374O       DIAPER PAMPER NEWBOR  -804    0     0   -804     0     167    167  22815 CS 10/12/07 10/02/07 11/05/07
ALLK80          SUCTION TIP YANKAUER  -546    0     0   -546     0     906    906 120171 CS 10/12/07 10/05/07 11/05/07
ASP092007BBG    GUARD.REG.CLR.SLD.2X    -8    0     0     -8     7      50     50   2028 PK 10/11/07 10/04/07 11/05/07
BD365978        TUBE.MICRO.W/MICROGA     8    0     0      8    11      8      8    267 CS 10/11/07 10/09/07 11/05/07
BD372610        S*SCALP.STR.DISP.#10    92    0   100     -8     0      0      0      8 CS 10/01/07 08/10/07 11/05/07
BD381705        NDL IV ANGIO 18GX1.1  -410    0     0   -410    13     11     11   1809 CS 10/03/07 08/01/07 11/05/07
BOS1523         FRCP.RADIAL.JAW3.1.8   -15    0     0    -15     0      11     11   1434 BX 10/12/07 09/20/07 11/05/07
BOS3086         CANN.CONT.ERCP.5FR.T    -1    0     0     -1     4      12     12    929 EA 10/09/07 10/08/07 11/05/07
BOS45-413       KIT.VAXCEL.DUAL.PICC  -130    0     0   -130     0      10     10    856 EA 09/11/07 09/12/07 11/05/07
BRA0669045      INTRODUCER.MICRO.4.5F    0    0     4     -4     0      9      9    301 EA 10/05/07 10/10/07 11/05/07
BRC0270-1111-02 PROHANCE 15ML VIALS     10    0     0     10    15      7      7    830 BX 09/26/07 10/10/07 11/05/07
BUS707          DRESS TRACH 4X4 STRL    19    0     0     19    25     30     30   3867 CS 10/08/07 08/30/07 11/05/07
BXR5B9765P      SOLUTION DIANEAL ULT    -8    0     0     -8     1      1      1    174 CS 10/05/07 10/09/07 11/05/07
CNM0035040      TIP.SUCT.POOLE          66    0     0     66    64     50     50   2638 CS 10/11/07 09/20/07 11/05/07
CNM139110EXT    CAUTERY.TIP.6"BLD.EX    18    0     0     18    24     18     18   2382 BX 09/19/07 10/09/07 11/05/07
CNV324611       BODYWASH.2-IN-1.4L       0    4     4      0     1      4      4    133 CS 10/09/07 09/19/07 11/05/07
CNV325614       BARRIER.PROTECT.SENS    40  144     0    184   681     43     43   6173 CS 10/10/07 10/08/07 11/05/07
DER13930309     BINDER.XX-LG.UNIV        0    0     2     -2     1      14     14    168 EA 10/04/07 10/11/07 11/05/07
DER5015-04      SPLINT WRIST LG RT       0    0     4     -4     1      12     12    137 EA 08/28/07 09/06/07 11/05/07
DERAB2340-06    STIRRUP.ANKLE.W/PAD      5    0    18    -13     4      12     12    677 BX 09/21/07 09/06/07 11/05/07
DERNE7702-04    SLV.KNEE.NEOPRENE.LG     0    0     0      0     1      12     12    133 EA 08/28/07 09/06/07 11/05/07
DISFP9-500      PLATE 9" WHITE ENVIR   174    0     0    174  2408   2737   2737 363485 CS 10/11/07 10/02/07 11/05/07
ETCETJ496G      SU.VCR.UND.PS-2.4/0.     2    1     5     -2     0      4      4     68 BX 10/03/07 08/09/07 11/05/07
HOL9785         TUBE SUCTION ATTACH      8    0     0      8     9      20     20   1387 CS 10/11/07 09/18/07 11/05/07
HSP1196168      TUBING.IV.LS.2.CLAVE     0    0    48    -48     0      34     34   4569 CS 09/18/07 09/05/07 11/05/07
HSP1196402      BURETTE.150ML.77IN.W    39    0     0     39    47     36     36   4694 CS 10/12/07 09/12/07 11/05/07
ITCTFP1000I     LANCET.TENDERFOOT.PR   419    0  2000  -1581    55    125    125  18136 CS 10/11/07 09/21/07 11/05/07
KIM89227        DRAPE.CHEST.100X72X1     0   12    58    -46     4      12     12    677 CS 10/03/07 08/23/07 11/05/07
KND30751543     PRINTING PAPER HIGH      5   40    40      5    15      20     20   2287 BX 10/10/07 10/01/07 11/05/07
KND50007365     ELECTRODE BIOTAC FOA  -325    0  1950  -2275   421    842    842 113840 CS 10/11/07 10/12/07 11/05/07
KND8888102003   TR.CATH.STR.EXT.12F.    17    0    75    -58     1      2      2    323 BX 09/13/07 08/24/07 11/05/07
KND9251         GEL.CURAFIL.1OZ.TUBE    -2    0     0     -2     9      12     12   1364 CS 10/04/07 09/24/07 11/05/07
KNP442214       SPONGE.GAUZE.4X4IN.1 -16616   0     0 -16616    33      9      9  17870 CS 06/19/07 06/02/06 11/05/07
LSRACERVTA      PK ANT CERVICAL FUSI    35   76     0    111     0      6      6    186 CS 10/11/07          11/05/07
LSRANGIRM21B    PACK.RM21.ANGIO.        35  100     0    135     0      8      8    756 CS 10/12/07          11/05/07
LSRARTEROSA     LMH PK ARTHROSCOPY K    27   40     0     67     0      4      4    230 CS 10/08/07          11/05/07
LSRBABYKITB     KIT BABY               217  560     0    777     0     120    120  15063 CS 10/11/07          11/05/07
LSRCABGD        PACK CABG               41   89     0    130     0      6      6    563 CS 10/12/07          11/05/07
```

Below ROP Report

The Below ROP Report will print all items that are below the reorder point.

Product Line – The options for Product Line are: 'All Product Lines', 'Range of Product Lines', or 'Specific Product Line'. However, in Inventory Management Lite, Product Lines are not used.

Product – The options for product selection are: 'All Products', 'Range of Products', or 'Specific Product'.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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PAGE  196                    PURCHASING REPORT BY WAREHOUSE BY VENDOR              DATE  11/15/07

WHSE: 001
VENDOR: KND     KENDALL HEALTHCARE            MIN FREIGHT 0
```

PRODUCT NUMBER PRODUCT NO	SELL UM	ON HAND	VEND ON ORD	CUST BACKORD	AVAIL	ROP	ROQ	BUY UM	LAST ORD	LAST RECP	RECPT YTD	SALES YTD	SALES$ YTD	VALUE	QTY LY
KND2634	PK	295	0	0	295	46	52	CS	10/11	06/20	0	68	313	2114	2536
GAUZE SPONGE 4X4 12PLY NS															
KND2650SA	EA	53	0	0	53	13	30	CS	10/12	10/12	100	60	126	104	1503
CONTAINER COLLECTION SPUT															
KND2718	EA	28	0	0	28	3	12	CS	10/11	10/04	24	32	117	187	379
CATH FOLEY 18FR 5CC 3WAY															
KND2720	EA	16	0	0	16	1	12	CS	10/09	10/04	12	4	16	107	143
CATH FOLEY 20FR 5CC 3WAY															
KND2722	EA	34	0	0	34	2	12	CS	10/10	06/20	0	2	8	227	103
CATH FOLEY 22FR 5CC 3WAY															
KND2723	EA	17	0	0	17	1	1	CS	09/27	10/03	12	0	0	113	44
CATH FOLEY 24FR 5CC 2WAY															
KND2754	EA	56	0	0	56	8	10	CS	10/09	08/17	0	16	14	64	477
WEBRIL II 3"X4YDS STERILE															
KND2821	EA	14	0	0	14	0	1	CS	10/03	10/04	12	6	22	114	51
CATH FOLEY 20FR 30CC 3WAY															
KND2822	EA	30	0	0	30	3	12	CS	10/01	09/26	0	12	0	245	200
CATH FOLEY 22FR 30CC 3WAY															
KND2824	EA	24	0	0	24	1	2	CS	10/09	10/12	24	10	35	196	115
CATH FOLEY 24FR 30CC 3WAY															
KND2847	PK	111	0	0	111	23	50	CS	10/10	09/26	0	15	17	161	1160
PD UNRCST 4"X4YDS STRL															
KND2944	EA	-9	96	0	87	25	58	CS	10/12	10/05	168	140	442	-31	2665
PD UNRCST 6"X4YD STRL															
KND30015682	PK	184	0	0	184	13	20	CS	10/10	09/20	0	2	32	2208	440
8038 PAPER HOT DOT															
KND303030	BX	44	22	0	66	1	1	CS	10/05	10/12	88	44	247	225	22
CVR PROBE GENIUS II 96/BX															
KND3033	TR	1268	0	0	1268	116	131	CS	10/12	10/03	360	192	328	3363	6404
DRESS.SPONGE.4X4.12PLY.ST															
KND30592037	EA	314	0	0	314	100	114	CS	10/12	10/01	228	98	159	628	4545
GEL.AQUASONIC.8OZ															
KND30592052	BX	19	0	0	19	2	20	BX	10/12	09/20	0	4	71	354	218
GEL.AQUASONIC.5LT.(01-50)															
KND30597226	PD	1227	0	0	1227	506	422	CS	10/11	10/10	1240	800	1866	2761	20677
PAPER FETAL MONITOR															
KND3071	PK	13	0	0	13	2	12	CS	10/11	09/26	0	3	17	112	161
T.E.D. STOCKING THIGH LEN															
KND30725389	PK	56	0	0	56	10	19	CS	10/12	10/05	32	30	471	854	1026
PAPER THERM CHEM															
KND30748696	PK	362	0	0	362	18	40	CS	10/09	10/12	240	120	288	815	1198
PAPER ORANGE MONITOR															
KND30751542	RL	35	0	0	35	1	5	CS	10/11	10/04	40	5	64	564	150
PAPER.HD.ULTRASOUND.BW															
KND30751543	RL	5	40	40	5	15	20	CS	10/10	10/01	30	30	415	83	695

Purchasing Report by Vendor

The Purchasing Report by Vendor will print all items purchased from the selected vendors, or if the user chooses, just the items that are below the ROP.

Vendor# - The options for vendor selection are: 'All Vendors', 'Range of Vendors', or 'Specific Vendor'.

All Items or Items Below ROP (A/R) – Enter 'A' for All Items, or 'R' to select only the items that are below the ROP.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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The Systems House, Inc.

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PAGE   24                    LOW STOCK REPORT BY WAREHOUSE BY VENDOR                DATE  11/15/07

      WAREHOUSE: 001
PRODUCT NUMBER
    PRODUCT DESCRIPTION          SELL    ON    VEND   CUST  FUTURE AVAIL   ROP   ROQ  BUY  LAST  LAST  RECPT  SALES  SALES$  VALUE
                                 UM     HAND  ON ORD BACKORD                          UM   ORD   RECP   YTD    YTD    YTD



VENDOR: MDJ       MEAD JOHNSON
                  MIN FREIGHT 0
-------------------------------------
MDJ002002
    USE ITEM MDJ139001           EA     -96     0      0      0    -96    520   260 CS  09/07 09/10    0     0      0      0
MDJ037903
    FORMULA PROGESTIMIL          EA      40     0      0      0     40     61    69 CS  10/05 10/09   96    64     93     54
MDJ429703
    FORMULA NUTRAMIGEN           EA     -57     0    135      0   -192    103   129 CS  10/08 10/09  240   192      0      0

VENDOR TOTAL ***                       -113     0    135      0   -248                              336   256     93     54
```

Low Stock Report

The Low Stock Report will print a listing of all items that have reached the reorder point.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

1. Regular or 2. Blanket Products – The option for product selection option is '1' Regular Products, or '2' Blanket Products. The Blanket flag for an item is set in Product Master Maintenance.

Vendor# - The options for vendor selection are: 'All Vendors', 'Range of Vendors', or 'Specific Vendor'.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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RUN : 15 Nov 2007          INVENTORY ANALYSIS REPORT FOR WAREHOUSE                      PAGE :   1

                                            SOLD OVER THE PAST YEAR  |    STILL IN STOCK
                                                                     |
                              UNITS SOLD                  CUMULATIVE | UNITS     VALUE     CUMULATIVE
                              IN PAST    COST PER  EXTENDED  % OF ALL | NOW IN   OF STOCK   % OF TOTAL
PRODUCT      DESCRIPTION   UM 12 MONTHS   UNIT      COST      SALES   | STOCK   AT COST    INVENTORY
----------------------------------------------------------------------|---------------------------------
HSP1194312   PIN.IS.PLUM.CONV      CS   213941   252.00  1123190.25   1.867 | 13957   73274.25      1.187
BCSVH-2000   KIT.VEIN.HARVEST.     EA      918  4015.00   737154.00   3.092 |    87   69861.00      2.320
MRCBH-1001   SENSOR LNOP ADULT     CS    51122   247.50   632634.75   4.143 |  2709   33523.88      2.863
KYPKPT2005   TRAY.XPANER.1ST.FRACT EA      162  3553.00   575586.00   5.099 |    29  103037.00      4.533
KND8881570121 SYR NACL(0.9% 10ML) PFS CS 1056460  98.00   575183.78   6.055 | 71960   39178.22      5.168
STJ610130    PLUG ANGIOSEAL 6FR VIP BX    1965  2410.00   473565.00   6.842 |   142   34222.00      5.722
HSP1196568   TUBING.PRIMARY.ADMIN.ST CS 109714   203.90   466055.93   7.617 |  6546   27806.86      6.173
BOS38970-1225 STENT.TAXUS.EXPR.2.5/12 EA   186  2395.00   445470.00   8.357 |    13   31135.00      6.678
COB082104000 PK.VENOUS.VAC.ASSIST. CS      837   529.00   442773.00   9.093 |    41   21689.00      7.029
KND8881570300 SYR NACL(0.9%2.5ML) PFS CS 832867   87.50   404865.90   9.766 | 61360   29827.78      7.512
CYTNS2000    DEVICE.NOVASURE.      CS      400  2985.00   398000.00  10.427 |    19   18905.00      7.819
MDT7426      BATTERY.IPG.SOLETRA   EA       47  8096.00   380512.00  11.059 |     3   24288.00      8.212
KND5329      SCD SLEEVE KNEE LENGTH CS    8905   204.00   363324.00  11.663 |   706   28804.80      8.679
BOS38970-1230 STENT.TAXUS.EXPR.3.0/12 EA   148  2395.00   354460.00  12.252 |     8   19160.00      8.990
MRCBH-1798   SENSOR.NEO-L.DISP.LNOP BX   23871   291.50   347919.83  12.830 |  1724   25127.30      9.397
KYPKPT1505   TRAY.XPANDER.1ST.FRACT EA      98  3523.00   345254.00  13.404 |    25   88075.00     10.824
COKG33016    FILTER.IVC.FEMORAL.TULIP. EA  382   850.00   324700.00  13.944 |    44   37400.00     11.430
DISFP9-500   PLATE 9" WHITE ENVIROFOAM CS 75566  15.55   293762.83  14.432 |   178     691.98     11.442
ROC2030365   COMFORT CURVE TEST STR BX   15239    19.23   293045.97  14.919 |  3356   64535.88     12.488
BOS38970-1630 STENT.TAXUS.EXPR.3.0/16 EA   120  2395.00   287400.00  15.397 |    10   23950.00     12.876
COB086102700 KIT.CUSTOM.PERFUSION. CS      487   585.00   284895.00  15.870 |    29   16965.00     13.151
USSVS101005  CANN/DIL W/SLV SGL-5MM BX    4556   187.53   284795.56  16.343 |   279   17440.29     13.433
HSP1209402   SET.EXT.7IN.W/CLAVE   CS   114527   124.20   284485.07  16.816 |  7252   18013.97     13.725
BOS38970-1625 STENT.TAXUS.EXPR.2.5/16 EA   118  2395.00   282610.00  17.286 |    10   23950.00     14.113
XPX1786156   SPOON.CLEAR.PLASTIC.  CS    10065    26.21   263803.65  17.724 |     3      78.63     14.115
XPX1786154   FORKS CLR SWEETHEART  CS    10002    26.21   262152.42  18.160 |  1000   26210.00     14.539
BOS38970-2425 STENT.TAXUS.EXPR.2.5/24 EA   105  2395.00   251475.00  18.578 |     4    9580.00     14.695
SEMSCVNP103  GLV EXM VNYL MED PF NS CS   74685    33.30   248701.05  18.991 |  4327   14408.91     14.928
GAMCPT1340   TRIMA.ACCEL.RBC.PLATELET. CS 1044 1394.40   242625.60  19.394 |    54   12549.60     15.132
BOS38970-1635 STENT.TAXUS.EXPR.3.5/16 EA   99  2395.00   237105.00  19.788 |     9   21555.00     15.481
XPX1786155   KNIFE CLR SWEETHEART  CS    9000    26.21   235890.00  20.180 |     3      78.63     15.482
BRC0270-1315-35 ISOVUE.300.100ML.10/CS BX 1122  206.72   231939.84  20.566 |    36    7441.92     15.603
KYPKPE1001   TRAY.EXPRESS.1-STEP.10/2 EA   63  3503.00   220689.00  20.932 |     9   31527.00     16.114
BRC0270-1316-40 MEDIA.ISOVUE.370.200ML. CS 499 440.00   219560.00  21.297 |    25   11000.00     16.292
XPX5235984   PAPER.TOWEL.M-FOLD WHT 9.5X CS 212697 16.46  218812.04  21.661 | 17668   18175.96     16.587
BOS38970-1235 STENT.TAXUS.EXPR.3.5/12 EA   91  2395.00   217945.00  22.023 |     8   19160.00     16.897
KND6153      TRAY.CATH.FOLEY.16FR.5CC CS 16936  125.15   211954.04  22.375 |   592    7408.88     17.017
CVTEP        CATH CORONARY SINUS   EA      107  1978.00   211646.00  22.727 |     5    9890.00     17.177
BRC0270-1316-35 ISOVUE.370.100ML.10/CS BX  848   249.38   211474.24  23.078 |    56   13965.28     17.404
HST1195601   ADAPTER.VALVE.CLAVE   CS   139108   151.20   210331.30  23.428 |  7139   10794.17     17.579
BRC0270-1316-98 ISOVUE 370 500ML     BX    344   610.05   209857.20  23.777 |     6    3660.30     17.638
HOW6197-9-010 CEMENT.SIMPLEX.W/TOBRAMYC BX 546 3800.00   207480.00  24.121 |    44   16720.00     17.909
BOS38970-2030 STENT.TAXUS.EXPR.3.0/20 EA   86  2395.00   205970.00  24.464 |     8   19160.00     18.219
BD367342     NDL.IV.BUTTERFLY.23GX3/4 CS 158547  250.00   198183.75  24.793 |  9797   12246.25     18.418
BOS38942     CATH.ATLANTIS.SR.PRO.3F EA   324   608.00   196992.00  25.120 |    19   11552.00     18.605
```

Inventory Analysis Report

The Inventory Analysis report is an excellent tool to analyze the percentage of inventory value versus sales generation. Using this report to analyze the sales potential and effectiveness of your inventory can help you to reduce non-moving product taking up valuable space and money.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Press <RETURN> to Process Report, Line# to Change or ABORT:

Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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The Systems House, Inc.

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PAGE   1            ABC RANKING REPORT           02:38:43pm  15 Nov 2007


WHSE ITEM NO      ITEM.DESC.................... VEL TOT.UNITS.DEM.MOS

 001 KND888157012 SYR NACL(0.9% 10ML) PFS       A        2039343
   1
 001 KND888157030 SYR NACL(0.9%2.5ML) PFS       A        1529997
   0
 001 KND888151393 SYR LUER LOCK TIP 3CC         A        1160168
   4
 001 DISFHC9-3-20 CONTAINER HING 9" 3-COMPT      A        1144650
   0
 001 ALLB1209-11  BAG LAB GUARD SBL2X69          A        1133141
 001 XPX5310974   DINEX 115/16X193/8".TEAL.      A        1064000
 001 KND888151287 SYRINGE 12CC LUER LOCK TIP     A        1028415
   8
 001 SMP4140      VENIPUNCTURE NDL DEVICE        A         777494
 001 M2M1624W     DRESS.TEGADERM1.2-3/8"X2-3/8"  A         671948
 001 DIES1H23WH-2 F,K,S WHT MOIST WIPE NAP       A         666000
   50MWFLXKIT
 001 KND888185001 NDL POLY YEL SAF 20X1          A         665325
   0
 001 MDA731-B4    TOWEL.OR.BLUE.17X26.NS         A         629480
 001 BBRR2000B    NDL.CAP.RED.654496             A         596174
 001 XPX5274044   TISSUE TOILET 500SH 2PLY       A         490557
 001 BD364815     HOLDER VACUTAIN SNGL-USE       A         465803
 001 XPX5235984   PAPER.TOWEL.M-FOLD WHT 9.5X9.1 A         451071
                  25 16 PKG/CTN 250/PKG 4000/CTN
 001 TRSLFTK9001  TOURNIQUET.1"X18".LF.          A         424742
 001 DONDSPB01C   BAG.BELONGING.CLEAR            A         423077
 001 XPX2247229   BAG ICE CLR 6X3X15 .75MIL      A         417938
 001 KND888151693 SYR LUER LOCK 6CC              A         405700
   7
 001 MEDMDS202000 APPLICATOR COTTON TIP          A         401613
 001 DISDKJ-BLU2  KIT DIET JR BLUE               A         399000
 001 HSP1194312   PIN.IS.PLUM.CONV               A         398642
 001 KND888154012 CANNULA BLUNTIP W/ACCESS       A         387403
   0
 001 HST0798309   SOL.IV.NACL.9%.1000ML          A         382856
 001 DISFP9-3-500 PLATE 9" W/3 COMPART           B         366137
 001 KND888185091 NDL.POLY.CREAM.SAF.19X1.5      B         364332
   5
 001 BD305180     NDL.BLUNT.18GA X 1-1/2".        B         362399
 001 BIL51615M    ID BAND ADULT BASIC WHITE      B         360381
 001 KND888151323 SYRINGE 3CC 22X1               B         355620
   1
 001 KND7158      UNDERPAD MEDIL.ORT 27X30       B         344277
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ABC Ranking Report

Since inventory is expensive to carry, the more important the item, the higher the safety stock to be maintained. Normally, items are categorized into A, B, C, or D items. An item that is ranked as an "A" item should be assigned a higher service level than "B" items, etc.

The service level is maintained in the Inventory Management Parameter file and can be overridden in the Product Detail file.

The ABC Ranking Report is ran after the ABC Ranking Update program is ran. This report is then reviewed to determine if a change needs to be made as to where the cutoff for the A, B, and C items should occur.

If a the Product Detail record is changed, the ABC Ranking Update should be re-ran, as well as this report.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Enter the Criteria for Ranking the Products:

1. by Volume in Units
2. by Volume in Sales Dollars
3. by Gross Profit
4. by Volume in Sales Cost Dollars
5. by Number of Times Ordered

Press <RETURN> to Process Report, Line# to Change or ABORT:
Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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PAGE    1 Inventory Class Ranking Report          03:17:03pm  15 Nov 2007

WHSE ITEM NO    ITEM.DESC.................... INV.CLASS

001 HSC4123905   CATH.THERMODILUTION              4
001 HSC4142403   THERMOSET ROOM TEMP              6
001 HSC4234102   SINGLE SPIKE FOR USE             5
001 HSC4234302   SINGLE HALF SPIKE FOR USE        7
001 HSC4235301   STOPCOCK HIGH PRESSURE          11
001 HSC4236401   TUBING 12" ARTERIAL PRESSURE     7
001 HSC4237001   TUBING 48" ARTERIAL PRESSURE    12
001 HSC4238701   STOPCOCK TUBING IV 4 STATION     7
001 HSC4241101   MONITORING SUPPORT DEVICE       12
001 HSC4122701   CATH.S-TIP.FEMOR.INSERT         13
001 HSC4258805   NEONATAL MONITORING KIT          6
001 HSC4608642   CUSTOM MONITORING KIT            2
001 HSC4608643   CUSTOM MONITORING KIT           11
001 HSC4608644   CUSTOM MONITORING (20/CS)        3
001 HSC4609212   CUSTOM.LEFT.HEART                1
001 HSC5032805   CATH.OPTI.HIGH.FLOW.8FR          1
001 HSP0654401   TUBING.ENDO.CYSTO/IRR.LF         8
001 HSP0792203   SOL.IV.DEX.5%.LC.500ML           7
001 HST0798413   SOL.IV.NACL.9%.50ML              3
001 HSP0659901   SET.Y-IRRIG.LG.BORE.NV          11
001 HST0792209   SOL.IV.DEX.5%.LC.1000ML          6
001 HST0798423   SOL.IV.NACL.9%.100ML             4
001 HSP0672903   MAGNESIUM.SUL.IN.H2O.500M        8
001 HST0792261   SOL.IV.DEX.5%.150ML.F            8
001 HST0707514   POTASSIUM.CHL.IN.H2O.50MLJ      10
001 HST0792336   SOL.IV.DEX.5%.50ML               3
001 HST0707526   POTASSIUM.CHL.IN.H2O.100M        4
001 HST0792337   SOL.DEX.5%.100ML.FILL            2
001 HSP1107548   ADAPER.UNIV.PIN                 11
001 HSP0792403   SOL.IV.05/NACL.2.500ML          13
001 HSP1914048   TUBE.DIAL-A-FLOW.EXTEN           1
001 HSP0710709   SOL.IV.D50.9.W/20.MEG.KCL        3
001 HST0792409   SOL.IV.05/NACL.2.1000ML         11
001 HSP0792603   SOL.IV.DEX.5%.1/2.SOD.LC        12
001 HSP0711109   SOL.IV.D5.R/L.W/20MEG            8
001 HST0792609   SOL.IV.D5/45.NACL                2
001 HSC0711509   POTASS.CHL.IN.0.9%SOD            8
001 HST0711807   SOL.STERILE.WATER.BULK           6
001 HSP0792909   SOL.IV.D5/LR.1000ML              4
001 HSC0712007   SOL.DEX.70%.BULK                 5
001 HST0793002   DEX.10%.INJ.250ML               11
001 HSC4304201   CANISTER SUC LIN FILTER          2
001 HSC0712107   AMINSYN.II.10%.2000ML            5
001 HSP0793003   SOL.DEX.10%.LC.500ML            11
001 HSC4320301   CANISTER SUCTION 1200CC          1
001 HSC0712207   AMINSYN.II.15%.2000ML            2
001 HSP0793009   SOL.DEX.10%.LC.1000ML           11
001 HSP0713809   SOL.IRR.SOD.CHL.W/HNG.BT         2
```

Inventory Class Ranking Report

The Inventory Class Ranking Report will print a list of all inventory items along with the inventory class ranking that was assigned when the Inventory Class Ranking Update was ran. The report excludes the number of dead items specified. The Inventory Ranking Class is consists of:

Top 7 ½% of the items	- Class 1
Next 7 ½ %	- Class 2
Next 10%	- Class 3
Next 10%	- Class 4
Next 8%	- Class 5
Next 8%	- Class 6
Next 8%	- Class 7
Next 8%	- Class 8
Next 8%	- Class 9
Next 8%	- Class 10
Next 8%	- Class 11
Last 9%	- Class 12

   100%

The percentages are of the total number of items on the list. If, for example, you had 5000 items remaining in the study after taking out the D's, Class 1 would have 7 ½% of 5000 or 375 items. Class 2 would also have 375. Class 3 would have 500 items, etc.

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The Systems House, Inc.

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PAGE   1 Inventory Class Ranking Report          03:17:03pm  15 Nov 2007

WHSE ITEM NO     ITEM.DESC.................... INV.CLASS

 001 HSC4123905   CATH.THERMODILUTION              4
 001 HSC4142403   THERMOSET ROOM TEMP              6
 001 HSC4234102   SINGLE SPIKE FOR USE             5
 001 HSC4234302   SINGLE HALF SPIKE FOR USE        7
 001 HSC4235301   STOPCOCK HIGH PRESSURE          11
 001 HSC4236401   TUBING 12" ARTERIAL PRESSURE     7
 001 HSC4237001   TUBING 48" ARTEREAL PRESSURE    12
 001 HSC4238701   STOPCOCK TUBING IV 4 STATION     7
 001 HSC4241101   MONITORING SUPPORT DEVICE       12
 001 HSC4122701   CATH.S-TIP.FEMOR.INSERT         13
 001 HSC4258805   NEONATAL MONITORING KIT          6
 001 HSC4608642   CUSTOM MONITORING KIT            2
 001 HSC4608643   CUSTOM MONITORING KIT           11
 001 HSC4608644   CUSTOM MONITORING (20/CS)        3
 001 HSC4609212   CUSTOM.LEFT.HEART                1
 001 HSC5032805   CATH.OPTI.HIGH.FLOW.8FR          1
 001 HSP0654401   TUBING.ENDO.CYSTO/IRR.LF         8
 001 HSP0792203   SOL.IV.DEX.5%.LC.500ML           7
 001 HST0798413   SOL.IV.NACL.9%.50ML              3
 001 HSP0659901   SET.Y-IRRIG.LG.BORE.NV          11
 001 HST0792209   SOL.IV.DEX.5%.LC.1000ML          6
 001 HST0798423   SOL.IV.NACL.9%.100ML             4
 001 HSP0672903   MAGNESIUM.SUL.IN.H20.500M        8
 001 HST0792261   SOL.IV.DEX.5%.150ML.F            8
 001 HST0707514   POTASSIUM.CHL.IN.H20.50MLJ      10
 001 HST0792336   SOL.IV.DEX.5%.50ML               3
 001 HST0707526   POTASSIUM.CHL.IN.H20.100M        4
 001 HST0792337   SOL.DEX.5%.100ML.FILL            2
 001 HSP1107548   ADAPER.UNIV.PIN                 11
 001 HSP0792403   SOL.IV.05/NACL.2.500ML          13
 001 HSP1914048   TUBE.DIAL-A-FLOW.EXTEN           1
 001 HSP0710709   SOL.IV.D50.9.W/20.MEG.KCL        3
 001 HST0792409   SOL.IV.05/NACL.2.1000ML         11
 001 HSP0792603   SOL.IV.DEX.5%.1/2.SOD.LC        12
 001 HSP0711109   SOL.IV.D5.R/L.W/20MEG            8
 001 HST0792609   SOL.IV.D5/45.NACL                2
 001 HSC0711509   POTASS.CHL.IN.0.9%SOD            8
 001 HST0711807   SOL.STERILE.WATER.BULK           6
 001 HST0792909   SOL.IV.D5/LR.1000ML              4
 001 HSC0712007   SOL.DEX.70%.BULK                 5
 001 HST0793002   DEX.10%.INJ.250ML               11
 001 HSC4304201   CANISTER SUC LIN FILTER          2
 001 HSC0712107   AMIMSYN.II.10%.2000ML            5
 001 HSP0793003   SOL.DEX.10%.LC.500ML            11
 001 HSC4320301   CANISTER SUCTION 1200CC          1
 001 HSC0712207   AMINSYN.II.15%.2000ML            2
 001 HSP0793009   SOL.DEX.10%.LC.1000ML           11
 001 HSP0713809   SOL.IRR.SOD.CHL.W/HNG.BT         2
```

Inventory Class Ranking Report

Cost Source Basis for Class Ranking – Your options to choose from are: 'Standard Cost', 'Last Cost', or 'Average Cost'.

Dead Item Cutoff – Decide where the "dead" item breakpoint is. For example, any items that sells less than $500.00 at cost for a whole year is considered "D" Class (dead items).

Press <RETURN> to Process Report, Line# to Change or ABORT:
Press <ENTER>, click the 'OK/END' button, or hit the 'F2' function key to process the report.

The user can also enter a Line Number to make desired changes.

Click on the 'CANCEL' button or hit the 'F8' function key to abort out of the process.

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The Systems House, Inc.

Generate PO by Vendor and Reorder Point

Purchase Order Generation Selection Criteria

This program allows the user to create a purchase order for a specific vendor based on the prompts entered on the screen.

Warehouse – Enter the specific warehouse number. You may also choose a warehouse by pressing the 'F7' function key, clicking on the **'INQUIRY'** button, or clicking on the drop down arrow next to the field to display the list of warehouses to select.

Vendor Number - Enter the specific vendor number. You may also use the 'F7' function key, click on the **'INQUIRY'** button or click on the down arrow next to the field to display the lookup box. After entering your search criteria, you can select the vendor.

Prod Num – Enter 'A' for all products, 'R' for a Range of Products, or 'I' to enter an individual product number. If you enter 'A' for all products, you will skip the next three fields.

Beg Prod – If 'R' was chosen for a Range of Products, this is the starting product number for your selection. Enter the starting product number. You may also use the 'F7' function key, click on the **'INQUIRY'** button or click on the down arrow next to the field to display the lookup box. After entering your search criteria, you can select the starting product number.

End Prod - If 'R' was chosen for a Range of Products, this is the ending product number for your selection. Enter the ending product number. You may also use the 'F7' function key, click on the **'INQUIRY'** button or click on the down arrow next to the field to display the lookup box. After entering your search criteria, you can select the ending product number.

Ind Prod – If 'I' was chosen for an Individual Product, this is that specific product number. Enter the individual product number. You may also use the 'F7' function key, click on the **'INQUIRY'** button or click on the down arrow next to the field to display the lookup box. After entering your search criteria, you can select the individual product number.

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The Systems House, Inc.

Generate PO by Vendor and Reorder Point

Purchase Order Generation Selection Criteria

On or Below the Reorder Point (Y/N) – For the products chosen above, do you want to select only the items that are on or below the reorder point? If yes, enter 'Y', if no, enter 'N'.

Within percent of Reorder Point (Y/N) – Another reorder point selection option is to select only the items chosen above that are within a percentage of the reorder point. If yes, enter 'Y', if no, enter 'N'.

Percent – If "Within percent of Reorder Point" is set to 'Y', then you will need to enter a percentage amount in this field.

Show only Backordered Products? (Y/N) – This prompt offers the option to select the items chosen above that are also on backorder. If yes, enter 'Y', if no, enter 'N'.

ENTER LINE# TO CHANGE, 0 TO ACCEPT OR <ABORT> TO END PROCESS:

Enter the line number to change. Click on the 'CANCEL' button or hit the 'F8' function to exit out of the process, Enter '0', click on the 'OK/END' button, or hit the 'F2' function key to accept to the selection options and proceed.

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The Systems House, Inc.

SELECTED PRODUCTS FOR PURCHASE ORDER GENERATION							
Warehouse	1		Credit Limit	50000	Total Stock		608
	NEW YORK, NY		AP Balance	39776	Total Purch		90
Vendor	ABCO	Min$	0.00	Total $	4,632.90	Min Qty		300
	ABCO DEALERS INC		Total Wgt	608.0	Total Cube		608.0000

	Product	Avail	ROP/Min	Sis 2Mos	Sis Yr	ROQ/Max	Order Qty	
49	580536	1	1	*	0	20	2	1/ CS
	GOWNS MAUVE 50/CS							1/ CS
50	583182	15	15	*	0	212	20	5/ CS
	TABLE PAPER 18" SM 12/CS							5/ CS
51	6006	1	1	*	0	6	1	0/ EA
	BLOOD PRESS.UNIT DIGITAL							0/ EA
52	636-G	1	1	*	0	8	1	0/ BX
	SUTURE CH-GUT FS-2 3-0							0/ BX
53	66000317	0	3	*	0	130	10	10/ BX
	PRIMAPORE DRESSING 4X3							1/ CS
54	6901	4	4	*	0	12	8	4/ PK
	KLING NS 1" 24/BG							1/ CS

SALES	JAN07	FEB07	MAR07	APR07	MAY07	JUN07	YTD07
	3	4	2	3	1	3	20
	JUL07	AUG07	SEP07	OCT07	NOV07	DEC06	LYTD06
	1	3	0	0	0	2	4

Line# to Add or Change, END to Create PO(s), ABORT to Cancel :   XXXXXX

ST STATUS	INVENTORY	CST QUOTE										
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off				Popup

Selected Products for Purchase Order Generation

Header Section

All items that met the selection criteria from the previous screen will be displayed.

Warehouse – The warehouse number and name are displayed.

Vendor - The vendor number and name are displayed.

Min$ - Minimum dollar value for a purchase order, from the Vendor Master record is displayed.

Credit Limit – Credit limit that your company has with the vendor, stored in the Vendor Master record, is displayed.

AP Balance – The value of unpaid vouchers on the system for this vendor.

Total $ - The total dollar value of the purchase order generated for this vendor.

Total Wgt – The total weight of the items on the purchase order.

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The Systems House, Inc.

SELECTED PRODUCTS FOR PURCHASE ORDER GENERATION

Warehouse	1			Credit Limit		50000	Total Stock		608
	NEW YORK, NY			AP Balance		39776	Total Purch		90
Vendor	ABCO	Min$	0.00	Total $		4,632.90	Min Qty		300
	ABCO DEALERS INC			Total Wgt		608.0	Total Cube		608.0000

	Product	Avail	ROP/Min	Sls 2Mos	Sls YY	ROQ/Max	Order Qty	
49	580536	1	1	*	0	20	2	1/ CS
	GOWNS MAUVE 50/CS							1/ CS
50	583182	15	15	*	0	212	20	5/ CS
	TABLE PAPER 18" SM 12/CS							5/ CS
51	6006	1	1	*	0	6	1	0/ EA
	BLOOD PRESS.UNIT DIGITAL							0/ EA
52	636-G	1	1	*	0	8	1	0/ BX
	SUTURE CH-GUT FS-2 3-0							0/ BX
53	66000317	0	3	*	0	130	10	10/ BX
	PRIMAPORE DRESSING 4X3							1/ CS
54	6901	4	4	*	0	12	8	4/ PK
	KLING NS 1" 24/BG							1/ CS

SALES	JAN07	FEB07	MAR07	APR07	MAY07	JUN07	YTD07
	3	4	2	3	1	3	20
	JUL07	AUG07	SEP07	OCT07	NOV07	DEC06	LYTD06
	1	3	0	0	0	2	4

Line# to Add or Change, END to Create PO(s), ABORT to Cancel :   XXXXXX

ST STATUS	INVENTORY	CST QUOTE									
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off			Popup

Selected Products for Purchase Order Generation
Header Section

Total Stock – The total stocking quantity for all items on the purchase order.

Total Purch – The total purchasing quantity for all items on the purchase order.

Min Qty – The minimum quantity that should be ordered for this vendor, stored in the Vendor Master record, is displayed.

Total Cube – The total cube amount of the items on the purchase order.

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The Systems House, Inc.

Selected Products for Purchase Order Generation

Item Section

All items that met the selection criteria from the previous screen will be displayed.

Product – The product number and description are displayed.

Avail – The available quantity for the item in the warehouse is displayed.

ROP/Min – The ROP or minimum quantity is displayed. The user may manually change the ROP quantity by clicking on the field and typing in a value.

*- An asterisk displayed here indicates the item inventory is below reorder point.

Sls 2Mos – The total sales for the last 2 months is displayed.

Sls Yr – The total sales for the year is displayed.

ROQ/Max – The ROQ or maximum quantity is displayed. The user may manually change the ROQ quantity by clicking on the field and typing in a value.

Order Qty – The system calculated quantity to order is displayed. The order quantity is displayed in the stocking unit of measure and the purchasing unit of measure. The user may manually override the

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order quantity by clicking on the field and typing in a new value.

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The Systems House, Inc.

Generate PO by Vendor and Reorder Point

Selected Products for Purchase Order Generation

Sales Section

The sales quantities for each month will be displayed for the item currently highlighted. In this example, the sales information is for item# 580536.

Besides showing the breakdown of sales quantities for each of the last 12 months, the year to date sales and last year's sales figures are also displayed.

Line# to Add or Change, END to Create PO(s), ABORT to Cancel:

To add an additional line to the purchase order, type 'ADD' and hit <ENTER>. The user will be forwarded to the next available open line, where they can enter the product they wish to add to the purchase order.

To change information, such as ROP, ROQ, or Order Quantity, the user can click on the specific field for the item and type the new value and hit <ENTER>. Or the user can type the line number of the item to be forwarded to the line, then hit <ENTER> until they reach the field to change. From there, they just need to type the value and hit <ENTER>.

To create the purchase order, the user can click on the 'OK/END' button, hit the 'F2' function key, or type 'END' and hit <ENTER>.

To cancel this process, the user can click on the 'CANCEL' button, hit the 'F8' function key, or type 'ABORT' and hit <ENTER>. The system will then prompt:

Do you want to ABORT out of this entry (Y/N)?

Answer 'Y' if yes, 'N' if no. The hit <ENTER> to continue.

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Generate PO by Vendor and Reorder Point

**Selected Products for Purchase Order Generation**

Function Keys

ST STATUS - The STOCK STATUS INQUIRY function is available by clicking on the '**STOCK ST**' button or by pressing the Shift+'F1' function key. This will bring the user to the Stock Status Inquiry for the item that is highlighted.

INVENTORY – The INVENTORY INQUIRY function is available by clicking on the '**INVENTORY**' button or by pressing the Shift+'F2' function key. This will bring the user to the Inventory Inquiry for the item that is highlighted.

CST QUOTE – The COST QUOTE INQUIRY function is available by clicking on the **'CST QUOTE'** button or by pressing the Shift+'F3' function key. This will display the Cost Quote Inquiry for the item that is highlighted.

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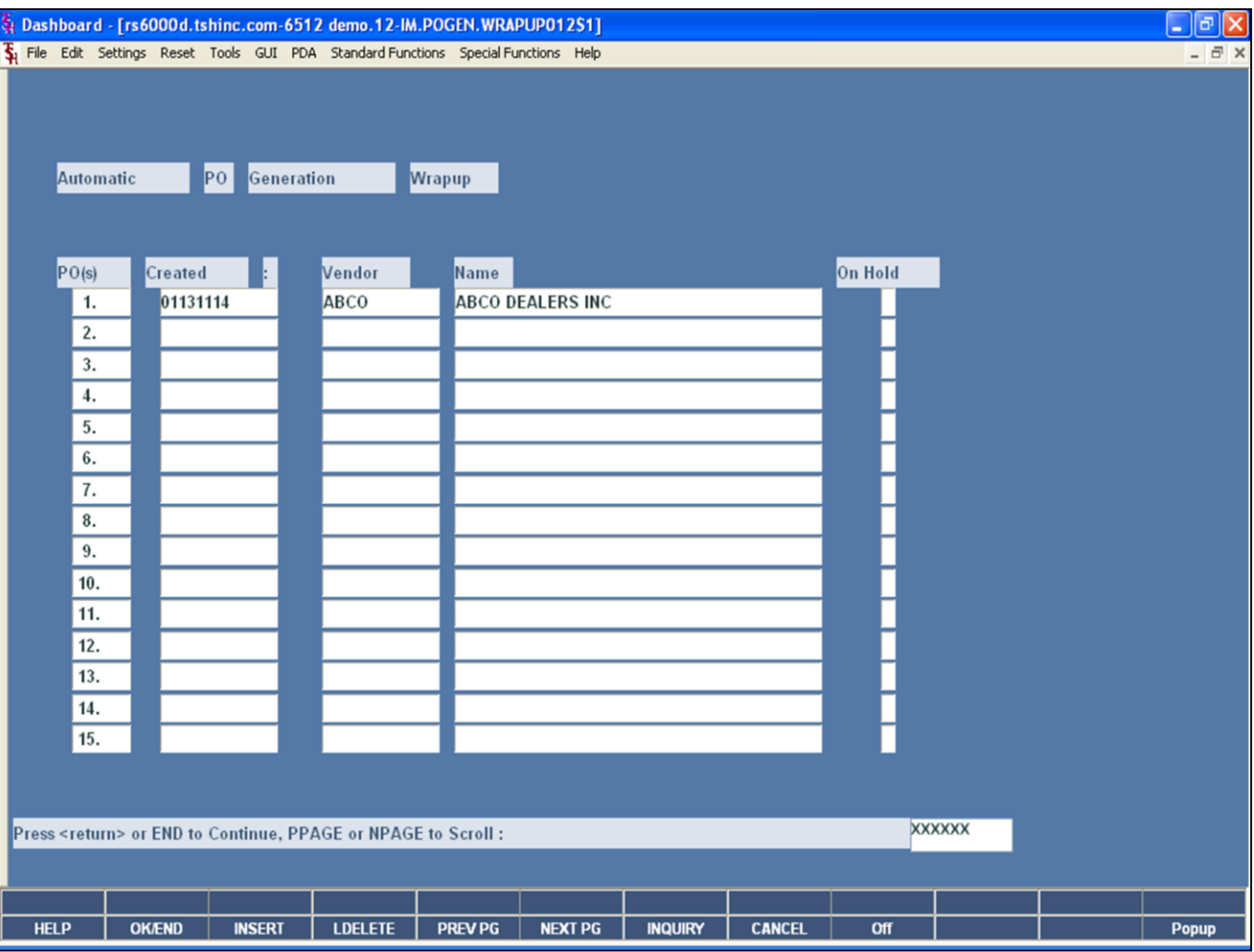
Automatic PO Generation Wrapup

Once the purchase order is created, the Automatic PO Generation Wrapup screen is displayed. This screen provides the user with the newly created purchase order number.
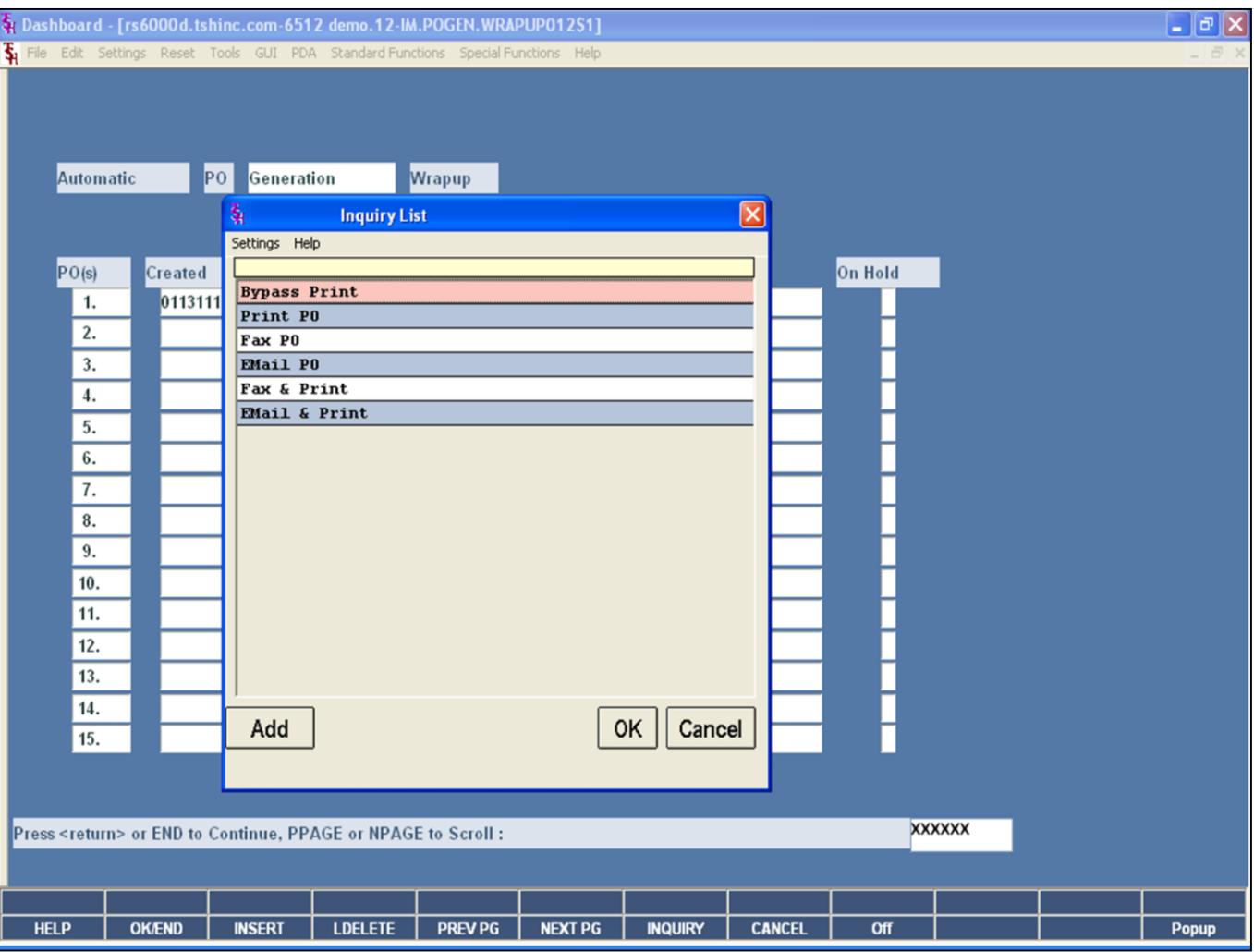
PO Created – The purchase order number is displayed.

Vendor Name – The vendor number and name for the purchase order is displayed.

On Hold – This field is only used in the Automatic PO Generation program.

Press <return> or END to Continue, PPAGE or NPAGE to Scroll:

Hit <ENTER>, click the 'OK/END' button, hit the 'F2' function key, or type 'END' to continue.

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Automatic PO Generation Wrapup

Print Options
The user is then prompted to with the print options:

Bypass Print – will not print the purchase order.

Print PO – this option will print the purchase order to the designated printer.

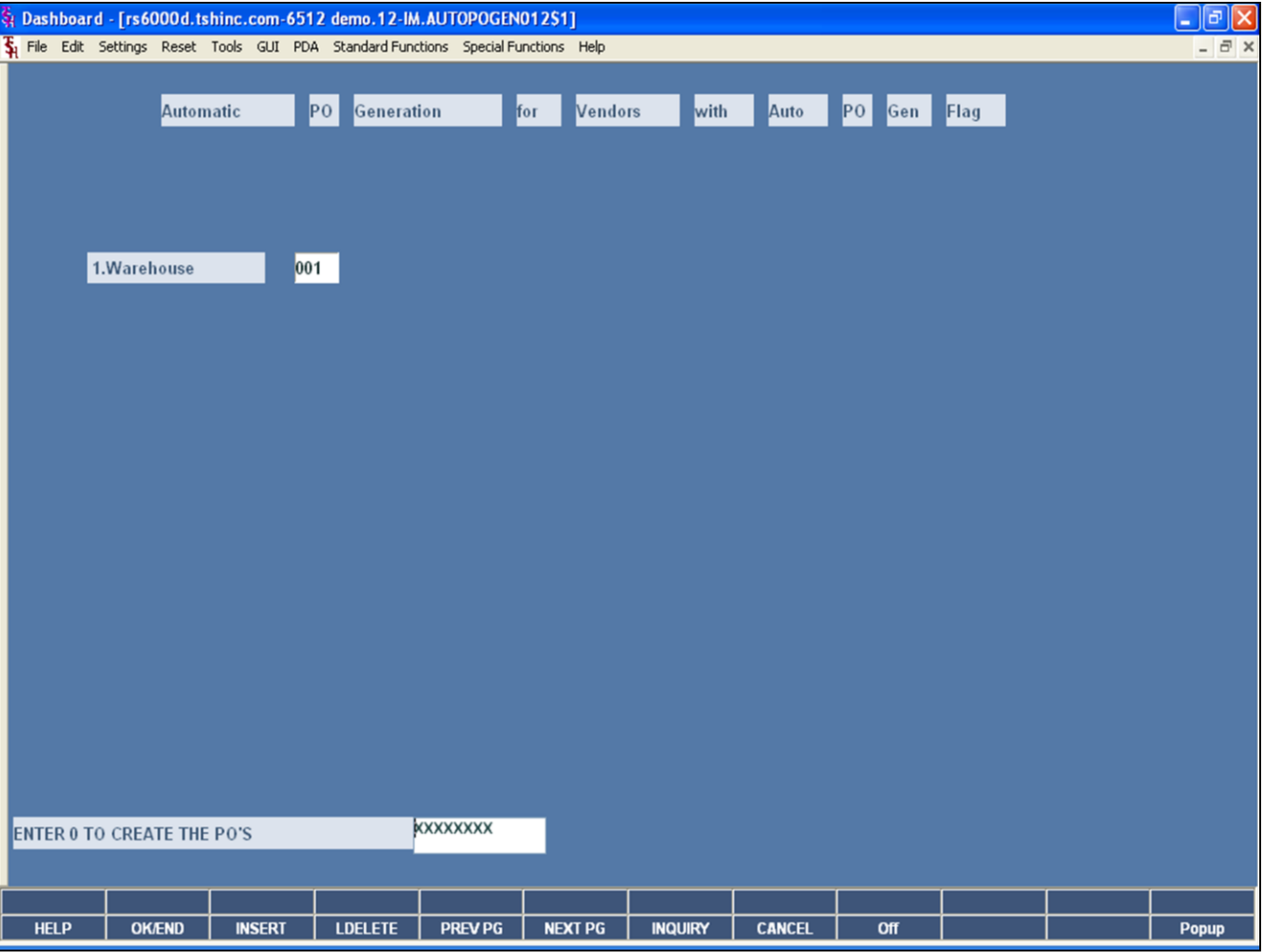**Fax PO –** this option will allow the user to fax the purchase order.

Email PO – this option will allow the user to email the purchase order.

Fax & Print – this option will both fax and print the purchase order.

Email & Print – this option will both email and print the purchase order.

After the selection is made, hit <ENTER> or click on the 'OK' button.

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Dashboard - [rs6000d.tshinc.com-6512 demo.12-IM.AUTOPOGEN012$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Automatic   PO Generation   for Vendors with Auto PO Gen Flag

1.Warehouse   001

ENTER 0 TO CREATE THE PO'S   XXXXXXXX

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Automatic Create PO's for Selected Vendors

Purchase orders will be automatically created based on the MIN/MAX's or ROP/ROQ's. For any vendor to be included in this process, the Vendor Master File Maintenance field "Auto PO Flag" must be set to 'Y', for the vendor. If the vendor is set to "N", then they will be skipped.

Warehouse - The options for warehouse selection are: 'All Warehouses', 'Range of Specific Warehouses', or 'Specific Warehouse'.

Enter 0 to Create the PO's – Type '0' and hit <ENTER>, or click the 'OK/END' button to create the purchase orders.

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Dashboard - [rs6000d.tshinc.com-6512 demo.12-IM.POGEN.WRAPUP012$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

Automatic   PO Generation   Wrapup

PO(s)	Created	:	Vendor	Name	On Hold
1.	01131118		ABCO	ABCO DEALERS INC	Y
2.	01131119		AIRCAST	AIRCAST LLC	Y
3.	01131120		ALPHAP	ALPHA PROTECH INC	Y
4.	01131121		ANDOVER	ANDOVER HEALTHCARE INC	Y
5.	01131122		ANSELL	ANSELL PERRY	Y
6.	01131123		BAKER	BAKER PAPER COMPANY INC	Y
7.	01131124		BATTERY	BATTERIES INC	Y
8.	01131125		BIRCHWOO	BIRCHWOOD LABORATORIES	Y
9.	01131126		BRAUN	B BRAUN MEDICAL INC	Y
10.	01131127		BUSSE	BUSSE HOSP DISPOSABLES	Y
11.	01131128		CONCO	CONCO MEDICAL COMPANY	Y
12.	01131129		COOPERS	COOPER SURGICAL	Y
13.	01131130		CRYO	CRYO SURGERY INC	Y
14.	01131131		CYPRESS	CYPRESS MEDICAL PRODUCTS	Y
15.	01131132		DJORTHO	DJ ORTHOPEDICS LLC	Y

Press <return> or END to Continue, PPAGE or NPAGE to Scroll :   XXXXXX

| HELP | OK/END | INSERT | LDELETE | PREV PG | NEXT PG | INQUIRY | CANCEL | Off | | | Popup |

Automatic Create PO's for Selected Vendors

Automatic PO Generation Wrapup
This screen lists all the purchase orders that were just automatically created.

PO Created – The purchase order number is displayed.

Vendor Name – The vendor number and name for the purchase order is displayed.

On Hold – All purchase orders that are created in this process are automatically placed on hold. To remove from hold, the user would need to go to Purchase Order Maintenance, click on the 'PO's/Hold' button, then select the purchase order to review. Until these PO's are removed from hold, they will not print, fax, or email.

Press <return> or END to Continue, PPAGE or NPAGE to Scroll:
Hit <ENTER>, click the 'OK/END' button, hit the 'F2' function key, or type 'END' to continue.

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Where to Get More Information

•**To contact support, call 973-777-8050 or fax 973-777-1483**

•**To access The Systems House's website: www.tshinc.com**

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