

# BOSS VIP PICK SYSTEM®

*Basic Order Selection System Verified Item Picked*

## MANUAL for The News Group

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System Overview .....	1
Terminology .....	2
General System Information .....	3
<b>Logging onto the System</b> .....	4
<b>Logging off of the System</b> .....	4
<b>Receiving Program Updates</b> .....	5
<b>Password Protection</b> .....	6
System Configuration Overview .....	7
<b>RS6000 System Setup</b> .....	7
<b>VIP PC System Setup</b> .....	7
<b>EFTP - Add/Update FTP Parameters</b> .....	7
<b>P04 - Maintain Bin Definition Table</b> .....	8
<b>Pick System Logins</b> .....	8
<b>Multiple Screens on the Control Center Terminal (Facet Term)</b> .....	8
<b>P35 - Pick System Maintenance</b> .....	10
<b>Option 1 - Zone/Tote Flow Optimization</b> .....	10
<b>Option 2 - Pick System Configuration</b> .....	11
<b>Option 3 - Picking Zone Diagnostics</b> .....	19
<b>Option 4 - Hardware Diagnostics</b> .....	21
<b>Option 5 - Station Definition</b> .....	24
<b>P72 - Import Zone Configuration Data</b> .....	25
Bin Address Table Setup .....	27
<b>P45 - Import CSV Bin Address</b> .....	27
<b>P42 - Bin Number Table</b> .....	27
<b>P41 - Bin Number Display/Print</b> .....	28
Operations .....	29
<b>RS6000 System</b> .....	29
<b>Code 173 - Step 2 of Invoice Run (Create Pick File Directory and Callins)</b> .....	29
<b>P25 - Load Customer / UPC Files</b> .....	29
<b>VIP PC System</b> .....	31
<b>P57 - Get Invoice from Mag System</b> .....	31
<b>P25 - Create Retailer and UPC Index Files</b> .....	32
<b>P44 - Print VIP Exception Report</b> .....	32
<b>P22 - Title Issue Weight Add/Update</b> .....	33
<b>P23 - Weight File List</b> .....	34
<b>P58 - Create Invoice Picking File</b> .....	35
<b>Verifying Bundle Count</b> .....	36
<b>P55 - Merge VIP Files</b> .....	36
<b>P50 - Set Session Disposition</b> .....	37
<b>P87 - VIP Select Invoice and Print Label</b> .....	39
<b>Walgreens Tote Labels</b> .....	42

Pick Processing .....	43
<b>P82 - Boss Pick Processing</b> .....	44
<b>P88 - Verify Items Picked</b> .....	46
<b>P53 - Add/Delete Bins From File</b> .....	49
Printing VIP Invoices .....	50
P90 - Check Reweigh File .....	50
P90 - Printing VIP Invoices When Scales Are Down .....	52
P90 - UPS File Create .....	52
804 - Print VIP Invoices .....	52
Small Retailers with Galley Titles Only .....	54
Tote Numbers on the Invoice .....	54
Invoice Summary List .....	55
Tote Box Charge .....	55
804 - Print VIP Invoices - Pull Line by Invoice/Special Invoice Run .....	57
801 - Print VIP Invoices .....	59
P34 - VIP A/R File List (RS6000) .....	60
AR58 - Delivery Verification Report (RS6000) .....	61
P95 - Purge VIPAR Data (RS6000) .....	61
874 - Print Total Pick Data (RS6000) .....	61
X875 - Purge Operator Data (RS6000) .....	61
Pick File Statistics and Reports .....	62
<b>P27 - Schedule File Maintenance</b> .....	62
<b>P26 - Zone Name Maintenance</b> .....	63
<b>P68 - Display Picking Statistics</b> .....	63
<b>P63 - Picking Error Report</b> .....	64
<b>P69 - Bin View Summary Display</b> .....	64
<b>P24 - Create ASCII Pick Stat Data</b> .....	65
<b>P29 - Purge VIP Stat Data</b> .....	66
<b>P78 - Totals for P88A Log</b> .....	66
<b>P71 - Invoice Log Inquiry</b> .....	67
<b>P73 - Invoice Log Purge</b> .....	67
<b>P74 - P88B F4 Weight Change Report</b> .....	67
<b>P76 - P88 F4 Log Purge</b> .....	67
Pick File Maintenance .....	68
<b>P52 - Display Invoice Files (PC)</b> .....	68
<b>P51 - Delete Invoice Files (PC)</b> .....	68
<b>P51 - Delete Picking File (RS/6000)</b> .....	68
<b>P53 - Combine Pick Download Files</b> .....	69
<b>P75 - Weight Totes</b> .....	69
Quick Reference Guide .....	70
Pick Processing - Reorder Line .....	71
<b>P89 - Display Invoice Status</b> .....	71
Stand Alone Line Controller Diagnostics .....	72

Replacing a Line Controller ..... 73  
**Penn Scale - Communications Setup** ..... 75



## System Overview

Data Processing Services' Basic Order Selection System is an automated picking system that increases the speed and accuracy with which invoices are filled. The system is made up of digital displays positioned at each bin which show the quantity to be picked. Pickers move down the line more rapidly because they are not distracted from their picking effort by having to repeatedly glance down at the invoice. The pick quantity is always displayed right at the bins, allowing picking personnel to concentrate on picking units.

The BOSS is made up of a control unit and displays connected to a PC. Each bin has a separate display. A group of displays (a picking zone) is controlled by a zone master display. Each picker is responsible for a picking zone (a certain number of bins) or an invoice over the whole line. The display shows the quantity to be picked in copies or bundles/copies with a red beacon that lights up only on those displays with a quantity to pick. The bundles will appear in the first two positions on the display, and copies will appear in the last two positions with a colon separating them.

## Terminology

### **BIN DISPLAYS**

The displays at the bin location. This is where the quantity to be picked displays.

### **LINE CONTROLLER**

The device that sends data to the bin displays. One line controller runs up to 30 bin displays.

### **ZONE MASTER CONTROLLER**

The first line controller in the pick zone.

### **ZONE MASTER DISPLAY**

The first display attached to the Zone Master Controller which identifies the pick-ID number.

The Zone Master display has a delta character in the left corner of the display. The delta character resembles a triangle. This is where the last four digits of the invoice number displays. All 7777's display when there is no invoice scanned for the zone to pick.

### **PICK-ID**

This is used to identify what displays in the zone master display. This will be the last four digits of the invoice number.

### **PICKING SESSION**

This identifies the data being picked and refers to an invoice file name.

## General System Information

Full screen processing gives you a more visual interface to the system. The full screen mode of operation provides you with a full screen of data and the cursor will be stationed at the first data field to either add new or change existing data. Move the cursor to the field you want to add/change, key the data, and press the enter key. You can move the cursor from field to field by pressing the enter key, the arrow keys, or the tab keys. If you press the enter key without having keyed in any data, the field will remain unchanged. When you have completed the screen, press F9 to implement the changes.

Cursor movement is controlled by:

- Down Arrow Will move the cursor down one line on a screen with multiple records. If it is a scrolling screen, when the cursor is on the bottom line and the down arrow is pressed, the lines will all be moved up one and a new Line will display. If it is not a scrolling screen, after the last line displays, the cursor will jump to the first line.
- Up Arrow Moves the cursor up one line and acts just the reverse of the down arrow.
- Tab Key The forward tab key will move the cursor forward one data field at a (Right Arrow) time. When it gets to the end of a line it will go to the next line.
- Back Tab The back tab key will do the reverse of the (Left Arrow) forward key.
- Enter Key Same as Tab Key.

Screen movement is controlled by function keys:

- F1 Go backward one screen.
- F2 Reserved.
- F3 Reserved.
- F4 Reserved.
- F5 Scroll data up/forward one page.
- F6 Scroll data up/backward one page.
- F7 Scroll data to the right.
- F8 Scroll data to the left.
- F9 Process the data entered or end code.
- F10 Reserved
- ESC Cancel a screen without processing.

**Logging onto the System**

The terminal will be at the login prompt. The login name and password are always entered in lowercase letters.

Login:

Password:

The screen will bring up the DPS main menu. Press the Caps Lock key to activate uppercase letters.

**Logging off of the System**

At any of the DPS menus, type EXIT. The terminal will return to login.

## Receiving Program Updates

The following procedure should be used to receive programs from DPS.

Key DPS at the Main Menu.

1 - Start remote file transfer.

The system will ftp the programs on your transmit queue at DPS.

2 - Review transmitted files.

The review will display the status of the transmission. There are 3 different status messages.

Talking - indicates that the remote file transfer is still in progress.

Transmission Successful - indicates that the file transfer is complete. The programs that were received will be listed on the screen. Use #3 to accept the received programs.

3 - Accept received files

Use this only after the review displays 'Transmission Successful.'

## Password Protection

Password protection for the BOSS VIP Picking System is based on the login name of the operator. After the operator logs on to the system, each time he enters a code, the program will check the Password File to verify that his user login is approved for entry into the code he is trying to access. If the operator is approved, he will go right into the code. If the operator is not approved, a message will display denying access, and he must press enter to return to the menu.

Using the code Pass, set up all codes you want password protected, delete any existing operator password, add/delete any codes set up as password protected for the operator, or add new operator passwords and set up codes the operator can request.

Step	Enter	Digits	Comments
	Code PASS		
1	Set up security?	1	Y/N

If you answer yes, the following headings will display. Pick System Programs and Pick System Miscellaneous. Press enter on the heading of your choice to display all the codes within that heading. You can password protect the codes by placing a 'Y' next to the code description. Press F9 when you are finished.

2	Add/Change a password for a user?	1	Y/N (Enter defaults to yes)
3	Password	6	Use up to 6 characters

Enter the first password and press enter. Key in the operator's password again and the name of the operator. All codes that were flagged in 'Set Up Security' will display and allow you to setup security for the individual operator. Place a 'Y' next to the codes you would like the operator to have access to.

You are also given the option to delete an existing operator.

Press F9 when you are finished. Enter the next operator password or F9 to end. You will then be prompted:

4	Do you want a status list?	1	Y/N
5	Print protected codes only?	1	Y/N

The status list is a report showing all codes and whether or not they are password protected. If you select Y to print protected codes only, the status list will only print the codes that have been password protected.

## System Configuration Overview

### RS6000 System Setup

1. Use Code 321 - Client Record Maintenance to set the following flags in the General Options and General Options 2 screen.

VIP System = Y (General Options Screen)

IPD Pick System = N (General Options 2 Screen)

2. Use Code 120 - Add/Update Warehouse Record to update the field, VIP Scale, to an F for each warehouse location that has the VIP pick system.
3. If there is a separate bundle line, update the Code 120 field, Bundle Line, to a 'Y' for the main warehouse number.
4. EFTP setup for the RS6000
  - Code - /path
    - a. p91ftp - /u/dps/vip/data01
    - b. p92ftp1 - /u/dps/vip/data01
    - c. p92ftp2 - /u/dps/vip/data01
    - d. p92ftp3 - /u/pcdrv/agentek
    - e. 804 - /u/dps/vip/data01
    - f. 804CMP - /u/dps/vip/data01
    - g. 804UPS - /u/dps/vip/export/ups
    - h. 804REO - /u/dps/vip/data03

### VIP PC System Setup

In P35, select Menu Option 2 - Pick System Configuration to set up the VIP pick system flags.

#### EFTP - Add/Update FTP Parameters

This code is used to enter and maintain the FTP parameters for sending and receiving data from the host to the VIP PC. Press F4 at client number to display the client number and code currently set up. This is usually a one time set up and would not need to be accessed unless there are changes on the host or VIP systems that would require the information to be changed.

#### EFTP - ADD/UPDATE FTP PARAMETERS

```
CLIENT NBR   :168
DPS CODE     :P57
MACHINE ID   :riscXXX
LOGIN ID     :
PASSWORD     :
FILE PATH    :/dps/mag/data/savpck
DELETE (N/Y) :
```

<b>Client Nbr</b>	Enter the DPS client number (168).
<b>DPS Code</b>	P57 is the DPS code that will be using the FTP parameters.
<b>Machine ID</b>	This is the host name assigned to identify the RS6000. That name is 'risc168'.
<b>Login ID</b>	Enter the login to be used by the FTP process to access the machine ID. (pfive7)
<b>Password</b>	Enter the password to be used by the FTP process to access the machine ID (123456)
<b>File Path</b>	Enter the path to the RS6000 directory that Code P57 will use to pull down the invoice file to the VIP PC (/dps/mag/data/savpck).

#### **P04 - Maintain Bin Definition Table**

This code creates a table to be used by Code P58 to know what bin numbers do not have lights. All bin/station data needs to be set up in this table. This will include the reorder bin numbers in station A. The bins/stations that do not have lights will have the PTL Active flag set to an 'N'. The bins/stations that do have lights will have the PTL Active flag set to a 'Y'. The bin numbers in stations V-Y (8100-9499) that will be used for the new store titles pulled from the Save Billing File during the invoice run have to be added to the P04 table. Enter the from and to bin numbers with the station and update 'PTL Active' to an 'N'. When Code P58 runs, the table will be read and any bin numbers in the table flagged as 'N' for "PTL Active" will be assigned to bin 1. This will allow the PTL file to be created and allow QC to be done for the bins that do not have lights.

To set up the table, enter the from and to bin numbers, station number and set the PTL Active flag to 'Y' for bins that have lights and set the PTL Active flag to 'N' for bins that do not have lights. To delete the table and rekey, key zero at the 'From Bin' field and press F9.

#### **Pick System Logins**

Logins for the pick system are set up as follows. The logins are setup to correspond with a specific function (code) and are done on the terminal set up for that function.

<b>Login</b>	<b>Password</b>	<b>Function (Code)</b>
pck	123456	P82 - Boss Pick Processing and all P81's - Start Scanning Stations
pck2	123456	P82 - Bundle
pck3	123456	P82 - Reorder
label	123456	P87 - VIP Label Print
scanner	123456	P81 - Start Scanning Stations
label2	123456	P87 - VIP Label Print (Bundle line)
label3	123456	P87 - VIP Label Print (Reorder line)
scale1	123456	P88 - Verify Items Picked (Main Scale)_
scale2	123456	P88 - Verify Items Picked (QC Station Scale)
scale3	123456	P88 - Verify Items Picked (QC Station Scale)
scale4	123456	P88 - Verify Items Picked (Reorder)
scale5	123456	P88 - Verify Items Picked (Reorder)
invprtr	123456	P90 - Check Reweigh File
admin	123456	Used to login to the linux desktop

## P35 - Pick System Maintenance

For customers with more than one pick line (main line and bundle line), P35 must be done for each pick line.

### P35 - PICK SYSTEM MAINTENANCE

1. ZONE/TOTE FLOW OPTIMIZATION
2. PICK SYSTEM CONFIGURATION
3. PICKING ZONE DIAGNOSTICS
4. HARDWARE DIAGNOSTICS
5. STATION DEFINITION

ENTER OPTION 0

### Option 1 - Zone/Tote Flow Optimization

This is used to decide which zones to include in picker allocation for tote optimization. The zone numbers and picker ID's set up in Option 3 - Picking Zone Diagnostics, Option 3 - Zone Master Setup, will display. Enter Y for the zones that will use Tote Flow Optimization. The default is "blank" (N) and indicates the zone is not to use Tote Flow Optimization.

If N, totes will be filled within a zone before moving to the next zone. If you do not want items such as paperbacks to be mixed in many totes, key 'N' for that zone. This keeps these products in their own totes.

If Y, the first title in first zone will be picked. If the tote is not full, the tote moves to the next Y zone and so on until the tote is full. This allows all pickers to be picking continuously.

If P82 is running, the message "P82 is running - cannot process selection" displays.

### P35 - ZONE/TOTE FLOW OPTIMIZATION

ZONE NBR	PICKER	TOTE FLOW
1	1	Y
2	2	Y

## Option 2 - Pick System Configuration

If P82 is running, the screen can be viewed. However, no updates can be made. If F9 is used, the message "P82 running - update not allowed" displays.

If you are running on a DOS PC, reboot the PC if any changes are made to Com Port or Baud Rate fields.

### P35 - PICK SYSTEM CONFIGURATION

DROP BIN NUMBER : XXXXXXXX	EXPORT DATA (Y/N) : N
SLOW DOWN RATE : 150	SCANNER USED (Y/N) : N
DOWNLOAD COM PORT : 2	UPLOAD EVERY NBR MINUTES : 0
DOWNLOAD BAUD RATE : 5	VIP SYSTEM (Y/N/S) : Y
PICK SYSTEM COM PORT : 1	WEIGHT AUDIT REPT (Y/N) : Y
PICK SYSTEM BAUD RATE : 5	ACTUAL TOTE BOX WEIGHT : XX.XX
CLEAR EACH DISPLAY (Y/N) : N	ACTUAL TOTE BOX VOLUME : XXXX.XX
STARTING CNTLR ADDRESS : 1	MAX TOTE WEIGHT VARIANCE : XX.XX
SAVE STAT DATA (Y/N) : N	MAX TOTE VOLUME VARIANCE : XXX
LEAD PICKER OPTION (Y/N) : Y	TYPE A AREA : XXX
LOG PICK DEBUG (Y/N/P/V) : N	TYPE B AREA : XXX
EOP DISPLAY OPTION (Y/N) : N	TYPE C AREA : XXX
REQUEST LAST INVC (Y/N) : Y	TYPE D AREA : XXX
SKIP PICKD INVC (Y/N/S) : Y	TYPE E AREA : XXX
PICK BACKWARDS (Y/N) : N	TYPE F AREA : XXX
SKIP NO PICKS (Y/N) : N	TYPE G AREA : XXX
VERSION 3.08 (Y/N) : Y	TYPE H AREA : XXX
DECREMENT QTY (Y/N) : N	MORE: *

### P35 - PICK SYSTEM CONFIGURATION - MORE\*

MAIN LINE : XX	SCAN CTRL PCK FLAG (Y/N): N
BUNDLE LINE : XX N/Y	WAREHOUSE LOCATION:
REPRINT INVOICES : N	P88A LOG FLAG (Y/N):
LAST GALLEY BIN : XXX	P82A LOG FLAG (Y/N):
CONTROLLER TIMEOUT : X.XXX	P86 TO LIGHTS FLAG (Y/N):
P88 SCAN TIMEOUT :	P86 REORDERS FLAG (Y/N):
LABEL NAME :	P88A INVC LOG (Y/N):
STARTING SEQ NBR :	P88B AUTO UPDATE (Y/N):
BUNDLE LINE SCALE : N	P88B DEFAULT PRINTER:
ACCEPTABLE ERROR % : XXX	P88B WEIGHT % LIMIT:
MIN SPLIT COPIES : XX	P88B WEIGHT % CHANGE:

ACCEPT SHORT COPIES: N  
 REWEIGH SCANNER 1 : 00  
 REWEIGH SCANNER 2 : 00

TOTE WEIGHT ENTRY SCALE : N/Y

UPS FILE OUTPUT: N/Y

TOTE LABEL TYPE: A/B

**DROP BIN NBR** Used in code P58 to drop titles/bins when creating the picking file. The Drop Bin Number cannot be zero or a valid bin number on the bin table. For any titles that are in bins up to the last galley bin number entered, P58 will automatically update New Bin with the drop bin number.

**SLOW DOWN RATE** An internal function used by DPS for different PC processing speeds. Default is 150.

**DOWNLOAD COM PORT** Identifies the port on the PC that is used to communicate with the host system for file transmission. Default is 2. Not used in UNIX system.

**DOWNLOAD BAUD RATE** Identifies the transmission speed from the host to the PC for file transmission. Default is 5.

CODE	RATE
0	300
1	600
2	1200
3	2400
4	4800
5	9600

**PICK SYSTEM COM PORT** Identifies the port on the PC that is used to communicate with the pick system. Default is 1. Not used in UNIX system.

**PICK SYSTEM BAUD RATE** Identifies the transmission speed from the PC to the pick system. Default is 5.

**CLEAR EACH DISPLAY** If this is a Y, the picker has to clear each bin (press the button after the pick) that has a pick before the next invoice will be transmitted. If the picker requests the next invoice and all picks haven't been cleared, the system will display 7777 in the zone master display. Default is N.

**STARTING CNTLR ADDRESS** Identifies the first line controller address on the pick line. The default is 1. If the first line controller address is not 1, enter that address.

**SAVE STATISTICAL DATA** If Y, statistical data is saved on disk from P82. This data is saved by running code P62 after an invoice is completely picked and reports are printed using code P64. Default is N.

**LEAD PICKER** If Y, all zones have to follow the lead zone by picking invoices in the

OPTION	same sequence that the lead zone did. If “Lead Picker Option” is Y, the system will go into a follow the leader mode and will not allow a zone to advance to the next pick-ID until all previous zones have advanced to that pick-ID. Default is Y.
LOG PICK DEBUG	This option is only used with the assistance of DPS programming department and should be set to N unless working with DPS. Default is N.
EOP DISPLAY OPTION	If Y, the system will display 9999 in the next Bin Display after the last pick for each zone to indicate there are no more picks in that zone. This option cannot be changed during a Picking Session. A change will become effective only after P58 is run. Default is N.
REQUEST LAST INVOICE	If option is ‘Y’, by pressing the first bin display after a zone master display, P82 will allow the picker to go back to the previous invoice if skipped by pressing zone master display twice. This option cannot be used when “Clear Each Display Option” = Y. Line controller version must be 3.06 or higher. Default is Y.
SKIP PICKED INVOICES	If Y, invoices are flagged as they are picked so they will not be displayed again on the tie line. This is nice to use if you jump around in the invoice and advance the lead picker at the beginning of the invoice to pick specific retailers first and then pick the remaining retailers by route.  If the option is set to S, the picker must press the button on the 2nd display after from the controller to have it not display again. Default is Y.
PICK BACKWARDS	This option allows you to have the controller addresses go from high to low and is used with an auxiliary zone master. Default is N.
SKIP NO PICKS	This option determines whether or not a retailer will be displayed in the Zone Master display if the zone has no picks for that retailer. Default is N.
VERSION 3.08	Enter ‘Y’ if your line controllers are Version 3.08. Enter ‘N’ if your line controllers are Version 3.07 or lower.
DECREMENT QTY	Y allows the displayed pick amount to be reduced to what is actually available in the bin. An FTP file is created for the number of units picked. Options to Request Last Invoice and Clear each Display have to be N if this option is Y. Default is N.

- EXPORT DATA** Enter 'Y' to create a host export file. The FTP file created is named ASSSSSSS in the /u/dps/pck/data01 directory. The file always starts with A, SS= sequence number (0000001, 0000002, etc.). Default is N.
- SCANNER USED** Enter 'Y' to scan tote labels in P82. Tote labels can be scanned one at a time and picked or multiple labels can be scanned to build a picking sequence table from the download file. Default is N.
- UPLOAD EVERY NBRE** Enter the number of minutes FTP is to use to poll and upload the export pick file to the HOST. One minute would be keyed as 1. When P82 - Start BOSS Pick Processing is ended, the export pick file sitting in the /u/dps/pck/data01 directory will be closed out and sent to the host. Each time a file is exported, the /u/dps/pck/data01 directory file is deleted and saved in SAVEAS400 along with an FTP log. P82 will also display the message "Problem Exporting Pick Data" if there is no response from the host. This message will not stop the pick process. If the host is going to be down for an extended period, it is recommended that this option be changed to 9999 so that P82 does not receive the problem with export message. When the host is up, change this option back to the standard export time.
- MINUTES**
- VIP SYSTEM** Enter N if you are using the BOSS System.  
Enter Y if you are using the 'VERIFIED ITEMS PICKED' BOSS System. Enter S if you are using the 'VERIFIED ITEMS PICKED' BOSS System for one line and the BOSS System for another. Enter S on the BOSS System PC. Enter Y on the 'VERIFIED ITEMS PICKED' BOSS System.
- WEIGHT AUDIT REPORT** If this is a Y, P58 will generate a Tote Usage Report that goes on hold in the spool file on the pick system. This is a detailed report listing each sequence number, retailer number, invoice number, bin, tote number, title, issue, title name, number of bundles, number of loose copies, bundle weight, copy weight, copy volume, extended volume and extended weight. This report is useful to see how the computer is going to pack the totes.
- ACTUAL TOTE BOX WEIGHT** Enter the weight of a standard tote box. This is used as a default weight if the system cannot find the actual box weight from Code P75.
- To print a tote charge on the retailers invoice for each tote that you ship, place the value in the RS6000 retailer file in miscellaneous 3 service charge.
- ACTUAL TOTE BOX VOLUME** Enter the volume of a standard tote box (length X width X depth).

MAX TOTE WEIGHT Enter the acceptable variance.  
VARIANCE

MAX TOTE VOLUME Enter the acceptable variance.  
VARIANCE

TYPE A-H AREA Assign a type to each size of magazine/book. Enter the area for each type to be used (length X width).

MAIN LINE Enter the number for the main pick line as assigned by DPS, usually 01.

BUNDLE LINE Enter the number for the bundle pick line as assigned by DPS, usually 02. If you do not have a bundle line, leave blank. Immediately to the right hand side there is a display only field. This field is either Y(yes) for titles on the bundle line or N(no) for no titles on the bundle line. This display only field is updated during the P58 run .

REPRINT INVOICES For now all clients put an "N" in this field.

LAST GALLEY BIN If you have galley titles assigned to bin numbers over 99, enter the last bin number used for the galley titles. Enter the last bin number for the first zone set up in P01 if this zone is for galley titles. Enter 0 (zero) if you are not using P01 to set up galleys.

CONTROLLER TIMEOUT Look in the configuration at "SLOW DOWN RATE" and "UPLOAD EVERY NBR MINUTES". If "UPLOAD EVERY NBR MINUTES" has a number other than 0 or 8224, divide it by 1000 and enter it in CONTROLLER TIMEOUT. Otherwise take the "SLOW DOWN RATE" multiply it by 2 and divide by 1000 for the CONTROLLER TIMEOUT.

P88 SCAN TIMEOUT All clients put 3 here except client 150 who should put 0. In the future, when all the totes are labeled with a serial number, we will put a real value here.

LABEL NAME Put the name to print on the tote label here. Center it in the field, if you want it centered on the line on the label.

STARTING SEQ NUMBER For client 150, enter the starting PO number for the invoice run. This number will display in P82 as the tote sequence number and print on the box label. All other clients leave blank.

BUNDLE LINE SCALE	Enter Y if the bundle line has a scale. Enter N if the bundle line does not have a scale.
ACCEPTABLE ERROR %	This percent will determine if the color monitor line for a zone displays in red or green for bad and good picking. P82 must be stopped when this field is updated.
MINIMUM SPLIT COPIES	Enter the minimum level for the acceptable split. This will force all titles up to the minimum level into the tote with no exceptions if also within maximum volume limitation. If number is within minimum split but exceeds maximum volume size, all copies of the title will go to next tote.
MAXIMUM VOLUME SIZE	Enter the maximum volume to allow in tote. Works in conjunction with minimum split copies. If this field is not zero, the volume entered here will be used in the calculations in P44 and P58.
ACCEPT SHORT COPIES	The default setting is "N". Change this setting to "Y" to allow the operator to use the F7 - Accept Short Copies option in Code P88. With the setting set to "N" the operator will be forced to correct the short/overage by either adding the missing copies or removing the over copies. No one can be in codes P82 or P88 when this flag is updated. It is not necessary to run P58 again if the flag is changed in the middle of a pick session.
REWEIGH SCANNER 1	If a scanner is being used at the re-weigh station for the scale designated by the login, scale1, enter the terminal ID for that station so the system will recognize the scanner.
REWEIGH SCANNER 2	If a scanner is being used at the re-weigh station for the scale designated by the login, scale2, enter the terminal ID for that station so the system will recognize the scanner.
TOTE WEIGHT ENTRY SCALE	The default setting is "N". Change this setting to "Y" if you use a scale at the beginning of the tie line to weigh the totes as they are introduced to the tie line. If this setting is "Y" then the option "P88 Scan TimeOut" must be set to "0".
UPS FILE CREATE	The default setting is "N". If 'Y', when P90 is run to process, an export file for UPS will be created in the /u/dps/pck/export/ups directory.
TOTE LABEL TYPE	Type 'A' labels are the original format label. Type 'B' labels are Barcode format labels.
SCAN CTRL PCK FLAG	This flag must be a Y for Client 135 and for Client 168 Reorder

	Line. Indicates that boxes are monitored by scanner instead of by sequence during the pick process. The system gets data by invoice number depending on position in the pick process.
WAREHOUSE LOCATION	Identifies the warehouse by the location number set up on the RS6000 in Code 120 - Add/Update Warehouse Record.
P88A LOG FLAG	This must be set to a 'Y' to create log files for Code P78 and P89 to use.
P82A LOG FLAG	This must be set to a 'Y' to create log files for Code P78 and P89 to use.
P86 TO LIGHTS FLAG	This is set to a 'Y' if only one scanner is being used (at Station B) to introduce boxes into the line.
P86 REORDERS FLAG	Set to 'N' to not have P86 prompt for reorder printer number and print the reorder pick list.
P88A INVC LOG	Select 'Y' to have the ability to use Code P71 to go back and check an invoice's weights (Calculated and Scaled). Must be set before P58 is run for that particular invoice.
P88B AUTO UPDATE	<b>INACTIVE</b> If this flag is set to 'Y' P88B will make marginal changes to a title's weight without notifying the user. These changes in weight will appear on the P74 report as being done by user 'AUTO'. If the flag is set to 'N' P88B will not make these marginal changes in weight automatically.
P88B DEFAULT PRINTER	Enter the default printer number to be used in Code P88B for printing shortage tickets. If a 1-99 is entered then the user will not be prompted for printer number. If the field is zero (or blank) then the user will get a prompt for the printer number.
P88B WEIGHT % LIMIT	Enter a percent that will determine if in Code P88B we are to change a weight and what the maximum change is to be. For example, if 35% is entered into this field and the original title weight is 1 lb, the maximum weight allowed would be 1.35 lbs. The weight will only be changed if the difference between what we expect the weight to be and what the scale reports the weight to be is at least a change of 35% from the original weight (over 1.35).
P88B WEIGHT % CHANGE	This field will determine the amount of the weight change we are actually going to make if an automatic weight change is needed because it passed the test established by the percent set up in the field, P88B Weight Limit. For example if 25% is entered into this new second field and the title has a weight in P22 of 1 lb and the scale reports back 1.5lbs, then we will make a weight change of .087lbs, making the new weight 1.087. The

change is calculated using the difference between the original weight of 1 lb and the maximum weight of 1.35 times the 25% entered in the P88B Weight % Change field. The weight will be adjusted only up to the percentage allowed (P88B Weight Limit). Once that limit is reached, the original weight will be replaced with the calculated maximum weight. For our example, the original weight of 1 lb would be replaced with the maximum calculated weight of 1.35 lbs. Now, all weight differences will be calculated from the new weight of 1.35 lbs.

### Option 3 - Picking Zone Diagnostics

This option handles diagnostics and processing in terms of zones, not line controllers.

If P82 is running, the message "P82 is running - cannot process selection" displays.

#### P35 - PICKING ZONE DIAGNOSTICS

1. TEST BIN DISPLAYS
2. COUNT DISPLAYS PER ZONE
3. ZONE MASTER SETUP
4. DISPLAY BIN NUMBER
5. DISPLAY TITLE NUMBER
6. DISPLAY BUNDLE QUANTITY

ENTER OPTION 0

### Option 1 - Test Bin Displays

This option tests display functions. All bin displays for the specified zone(s) light up displaying every segment with 8888's, delta, colon, periods, and the red LED beacon light. This allows someone to walk the line, checking all bin displays to ensure that they are all functioning properly. Enter a specific zone master number, or key \*\* for all zone masters.

ENTER ZONE NUMBER : 0

### Option 2 - Count Displays Per Zone

This option shows on the PC how many bin displays are assigned to each picking zone. The count includes the zone master display. Key the specific number assigned to the picking zone to be counted.

ENTER ZONE NUMBER : 0

Displays:

ZONE NUMBER = 0001, ZONE STATION COUNT = 0022

### Option 3 - Zone Master Setup

This option is used to setup the picking system zone configuration. Each picking zone is added with the number of bins in each zone. Anytime the configuration is changed, V to verify must be run. If the verify process encounters any error, the screen displays the message "Zone Setup Not Verified - Restoring Old Configuration". (See Code P72 for instructions to import a CSV file to populate this table)

#### P35 - ZONE MASTER SETUP

SEQ	ZONE	NBR	ZONE	NBR	LINE	NBR	LINE	NBR
NBR	MASTER	PCKR	ADVN	BINS	CNTRLR	BINS	CNTRLR	BINS

A - ADD/INSERT A ZONE

D - DELETE A ZONE

V - VERIFY HARDWARE      REQUEST ACTION:

### **A - ADD/INSERT A ZONE**

This selection is used to define the picking zones. Enter the zone number, a picker identification, the maximum advances and the number of bin displays in a zone. Do not include the zone master display in the count. The maximum advances indicates how far the zone can get ahead of the previous zone but not the lead picker (i.e. 0 = no advances, 2 = 2 advances ahead). If maximum advances is entered as 9999, then that zone can go as far ahead of the lead picker as he wants, but when he gets ahead of the lead picker, all zones after that zone will no longer follow the lead picker.

### **D - DELETE A ZONE**

This selection is used to remove a zone from the picking line. The delete starts with the last zone number entered. This should not be done in the middle of picking an invoice. If it is necessary to do, then P58 has to be run again for that invoice file.

### **V - VERIFY HARDWARE**

This selection configures the system by using the data that was keyed to add or delete zones. It allocates each defined zone in turn to the next available line controller as the zone controller and defines the first display as the zone master display. It then reserves as many controllers and displays it needs to create the zones specified. If the system doesn't have enough line controllers and displays to reserve the number of bin displays requested, the screen displays the message "Zone Setup Not Verified - Restoring Old Configuration".

### **Option 4 - Display Bin Number**

All boxes display the bin number as set up in P42.

### **Option 5 - Display Title Number**

This option displays the title numbers for the invoice file on the bin displays. This can be used to verify that each bin has the correct title stacked below the displays. Code P58 must be run for the invoice file first before title numbers can be displayed.

The zone masters and any bin with no title assigned displays "----".

Displays:

PICK FILE NAME :

Enter the pick file name.

### **Option 6 - Display Bundle Quantity**

This option displays the bundle count for the invoice file in the bin display for the title (if one was entered). This allows you to run Code P58 for the invoice file and verify the bundle count before running Code P55 - Merge VIP Files. If an incorrect bundle count is found, run Code P58 again to enter the correct bundle count or to zero out the bundle count and not use one. After the bundle counts have been verified, Code P55 - Merge VIP Files can be done. You can still display the bundle counts after P55 is done but if there are corrections to be made, the invoice file has to be deleted and you start all over again at P57.

The zone masters and any bin with no title assigned displays "----". Any bin with a title that has no bundle count displays "0".

Displays:

PICK FILE NAME :

Enter the pick file name.

### Option 4 - Hardware Diagnostics

This option handles hardware diagnostics in terms of line controllers, not zones.

If P82 is running, the message "P82 is running - cannot process selection" displays.

When ENTER LINE CONTROLLER displays, key a specific line controller address or key \*\* to specify all line controllers. The system must have had the Zone Master Setup configuration run and verified before \*\* will work. Selections 4, 5, 6, and 8 do not allow \*\*.

#### P35 - HARDWARE DIAGNOSTICS

1. DISPLAY HARDWARE ADDRESSES
  2. DISPLAY COUNT
  3. DISPLAY ALL 8's
  4. COUNT BIN DISPLAYS
  5. REASSIGN LINE CONTROLLER ADDRESS
  6. SEND TEST DATA TO A BIN DISPLAY
  7. SHOW PARAMETERS
  8. FIND BAD BIN DISPLAY TEST
  9. POLL LINE
- ENTER OPTION 0

### Option 1 - Display Hardware Addresses

This option displays the line controller hardware address and the bin display hardware address. The addresses display in this format: 01:00, 01:01, 01:02, (line controller:bin display). Enter a line controller number or \*\* for all.

ENTER LINE CONTROLLER :

### Option 2 - Display Count

This option activates the bin display count mode. The bin display will show 0000, 1111, 2222, 3333, ..., 9999, sequentially. It will loop through 0-9 continuously until you press the button on the zone master display. Enter a line controller number or \*\* for all.

ENTER LINE CONTROLLER :

### Option 3 - Display All 8's

This option tests display functions. All bin displays light up displaying every segment with 8888's, delta, colon, periods and the red LED beacon line. This allows someone to walk the line, checking all bin displays to ensure that they are all functioning properly. Enter a line controller number or \*\* for all.

ENTER LINE CONTROLLER :

### Option 4 - Count Bin Displays

This option shows on the PC how many bin displays are assigned to each line controller. The count includes the zone master display. Key the specific address of the line controller to be counted. This is a must run test to determine if a line controller is good or bad.

ENTER LINE CONTROLLER :

Enter the line controller number.

Displays:

LINE NUMBER = 0001, LINE STATION COUNT = 0026

### **Option 5 - Reassign Line Controller Address**

This option allows a line controller address to be changed. This is used in the initial installation of the system and in replacing failed line controllers. All new/repaired line controllers arrive from the manufacturer with an address of 99. If you are unsure of the address, put the line controller in the line and run the Stand Alone Line Controller Diagnostics on the controller to display the address. Key the address of the line controller to be changed and then the new address to be assigned.

ENTER LINE CONTROLLER :

ENTER NEW CONTROLLER

### **Option 6 - Send Test Data to a Bin Display**

This option tests the display function for a specific bin display by receiving and displaying data you key.

ENTER LINE CONTROLLER :

Enter the line controller number.

Displays:

ENTER DISPLAY NUMBER: 0

ENTER DATA TO SEND : 0

Enter the hardware address to receive the data. Then, enter the data to send.

### **Option 7 - Show Parameters**

This option displays the baud rate, system software version and the number of displays for each line controller and the number 2. Press the button on the zone master display to automatically run diagnostics to display hardware addresses, display 8's and display sequential count. Enter the line controller number or \*\* for all.

ENTER LINE CONTROLLER :

**Option 8 - Find Bad Bin Display Test**

When a problem occurs on the picking system, this option is very effective in finding the problem component(s).

Enter the line controller number.

Do not press the button on the zone master display. Press the button on the first bin display after the zone master display and then each subsequent bin display.

The address of the display that was cleared shows on each display in the zone. For example, when the button on display 13 is pressed, 13 displays which means that displays 1 through 12 are working properly. If 13 is pressed and does not display, then either display 12 or the cable coming out of it and going into 13 is faulty.

**Option 9 - Poll Line**

This is a test where the P/C polls every line controller and displays a response back. This is recommended when you are having trouble with the line and cannot find it. Enter a line controller number or \*\* for all.

ENTER LINE CONTROLLER :

The screen displays:

```
POLL AND ANSWER FOR 0001 FOR BUTTON  
POLL AND ANSWER FOR 0002 FOR BUTTON  
POLL AND ANSWER FOR 0003 FOR BUTTON  
POLL AND ANSWER FOR 0004 FOR BUTTON
```

### Option 5 - Station Definition

This option displays and maintains the station definition file. Press F4 at STATION ID to display what is currently set up. Up to 10 zones can be entered for a station and must be entered consecutively ((for example, 1-2-3). A zone can only be defined once and cannot be repeated for another station.

#### P35 - STN DEFINITION

STATION ID :

#### F4 to Display Current Setup

ID	TRM	DESCRIPTION	START ZONE	END ZONE
----	-----	-------------	---------------	-------------

TERM-ID :

DESCRIPTION:

ZONE :

DELETE: N

### P72 - Import Zone Configuration Data

This code is used to import the Zone Configuration table, usually entered via P35. The file that is used to input this data must be in CSV format. The file must be named ZONELD.csv and placed in the /u/dps/vip/dataXX directory (XX = the data directory the setup is in).

There are 2 types of records:

'1' - for the zone master

'2' - optional, 1 to 50 allowed, for each associated Line Controller/Bin Setup.

\*For instance there can be one zone with 9 controllers. The setup file would then reflect this with one '1' record and eight '2' records.

The "1" record is defined as follows:

Zone Nbr	numeric	4 positions
Record Type	numeric	should be 1
Picker	alpha	4 positions
Advance	numeric	4 positions
Nbr of bins (total)	numeric	4 positions
Zone Controller (1st Cntrlr)	numeric	4 positions
Nbr of bins (# of bins on Zone Controller)	numeric	4 positions

The "2" record is defined as follows:

Zone Nbr	numeric	4 positions
Record Type	numeric	should be 2
Line Controller	numeric	4 positions
Nbr of bins	numeric	2 positions

## Bin Address Table Setup

### P45 - Import CSV Bin Address

This code is used to import the bin address table in a .csv file instead of adding (keying) the data with Code P42 - Bin Number Table. Doing the import deletes the current bin number table and replaces it with the table in the import file. If the import file has any errors, the screen displays the error message on the screen and stops the import. Correct the error and import the file again. The file is not deleted from the import directory when the code aborts or when it finishes successfully. The number of records added to the bin address table displays on the screen.

#### Error Messages

ZERO BIN NUMBER INVALID - FIX INPUT  
 CONTROLLER ZERO INVALID - FIX INPUT  
 DISPLAY ADDRESS OVER 31 - FIX INPUT  
 TABLE ENTRIES EXCEED 750 - FIX INPUT

VIP Pick System users put the file into the /u/dps/vip/import directory. Non-VIP Pick System users put the file into the /u/dps/pck/import directory. The file can be named whatever you want. The .csv file layout is bin number (max of 7 digits), controller number (max of 2 digits) and display address (max of 2 digits). Use Code P42 - Bin Number Table (U - Update) or P41 - Bin Number Display/Print to view the table.

### P42 - Bin Number Table

This code is used to add or update the bin address table.

This code cannot be run while Code P82 is running. If you try to run P42 while P82 is running, you will receive the following error "P82 is Running, Press F9 To End".

The screen prompts for A (Add) or U (Update). Keying an A displays a screen with the following columns:

BIN	CONTROLLER	DISPLAY
NUMBER	NUMBER	ADDRESS

Enter the data as required.

Keying a U displays update screen. Title Number and Title Name are automatically updated every time P58 - Create Invoice Picking File is processed.

BIN	CONTROLLER	DISPLAY	TITLE	TITLE	DELETE
NUMBER	NUMBER	ADDRESS	NUMBER	NAME	Y/N

Press the enter key or the arrow keys to move the cursor to the data to be changed. Key in the new data and press enter. Press F9 when you are done to process the changes to end the code. Press ESC to end the code without making changes. Press F5 to advance to the next page of data or press F6 for the previous page.

This code is also used to add additional bin displays to a zone which serves the same function as the zone master, to display the pick-ID number. This allows the picker to call up the next customer/invoice from more than one location within the zone. To activate this function, enter the bins to the bin table sequentially beginning with number 9999900 through 9999999. The additional display bins must be wired into the master zone controller for the zone.

### **P41 - Bin Number Display/Print**

This code displays or prints the Bin Number Table for the invoice file name entered.

STEP	ENTER	DIGITS	COMMENTS
	P41		
1	Invoice File Name	8	MMDDYYSS
2	Display or Print Bin Info? (D/P)	1	D= Display P= Print
*	Select Order to List By:	*	Displays
*	1-List by Bin Number	*	Displays
*	2-List by Bin Dsply Addr	*	Displays
3	List By	1	1 or 2

## Operations

### RS6000 System

#### Code 173 - Step 2 of Invoice Run (Create Pick File Directory)

When code 173 is run on the RS6000, it creates a directory within the /u/dps/mag/data/savpck directory for the invoice run based on the invoice date, a two digit suffix and a two digit location. The two digit suffix number starts with 00 and is incremented by one each time 173 is run for the same invoice date and location.

A directory and files are only created when the VIP scale flag in Code 120 is an 'F' for the warehouse. The bin numbers on the invoice have to be set up in Code P03.

The V174 - Bin Error Report will print with each invoice run listing any duplicate bin numbers and bin zero number. The report prints title, version, location, issue, title name and bin number. The message 'No Download - Bin Zero!!' for titles with bin zero means that the title will not be put into the download file. Use Code 171 to key in a bin number for the title/issue/location and run Code 173 again.

#### Example Directory After Code 173

```
/u/dps/mag/data/savpck>
0127040001
```

```
/u/dps/mag/data/savpck/0109040001
01270400.01 BLNG
```

#### P25 - Load Customer / UPC Files

Code 173 must be run to create the invoice file before this code can run. This code gathers all the files needed for the invoice going to the VIP system and creates a download file in the invoice file directory within the savpck directory.

To create new files, enter the invoice file name. That is the invoice date plus the suffix number (00, 01, 02, etc).

The warehouse location number will default to 'location 1 - Grand Prairie'

If Code 173 has not been run to create the invoice file, the message 'Invoice has not been run yet' displays after the enter key is pressed at the 'Location' prompt.

You can press F4 at Invoice File Name to display the available files.

#### F4 Display

P	INV DATE	SEQ	LOC	WHSE	DATE	TIME	TIE
*	11/26/04		2	2	11/19/04	22:46:25	1031
	11/26/04	01	1	1	11/22/04	21:59:51	1032

11/26/04	01	2	2	11/22/04	21:59:51	1032
----------	----	---	---	----------	----------	------

An asterisk (\*) in the P column indicates that P25 has been run on the file.

P25 - LOAD CUSTOMER / UPC FILES

DO YOU WANT TO CREATE NEW FILES (Y/N)? : Y

INVOICE FILE NAME : 11260401

LOCATION : 1

PRESS ENTER TO CREATE FILES

CUSTOMER FILE COPIED

UPC RECORDS ADDED : 1,932

The files are gathered up and compressed into an export file (invoice file name + tar +Z). The files used to create the export file are listed within the savpck invoice file directory.

6090600.01	INVCTRL	SHIPHUBA.idx	TERMSA.idx
0609060001.tar.Z	NTITLE	SHIPMAST	TIESHIPB
ARDESC	NTITLE.idx	SHIPMAST.idx	TIESHIPB.idx
ARDESC.idx	PRODUCT	SKU	UPCD
BLNG	PRODUCT.idx	SKU.idx	WAREHOUSA
CLIENT	RETAILRC	SUPCIDXB	WAREHOUSA.idx
CURCODE	RETAILRC.idx	SUPCIDXB.idx	WKTIESHP
CURCODE.idx	SHIPHUBA	TERMSA	
WKTIESHP.idx			

## VIP PC System

### P57 - Get Invoice from Mag System

This code gets the invoice files that were gathered together by Code P25 on the RS6000 system and moves them to the VIP PC system.

You designate which company data area to receive the file from by keying 'I' for IPD or 'P' for Primary Source.

Reorder Line - You have the option to assign a session number to the invoice file so that it can be merged with other invoices in a session. This allows multiple invoice runs to be assigned to the same session number and merged into one file as long as there are no duplicate bin assignments. You can also bring down the invoice file without a session number and pick by invoice file name.

We suggest using the Julian week number to assign the session number but any number scheme can be used. The description gets assigned when a new session number is entered. This description can be changed in Code P50 - Set Session Disposition. To figure out what the Julian week is divide the Julian day number by 7. If there is a remainder, add 1. This is the Julian week number.

If the current working session number is entered, the screen displays the message 'This Invoice Will Be added To A Pick Session In Progress'. The session description displays from Code P50 - Set Session Disposition and can be changed.

If a new session number is entered, the screen displays the message 'This Invoice Starts a New Pick Session'. You can enter a description to identify the session number.

If no session number is entered, the screen displays the message 'This Invoice Will Not Be Merged With Any Other'.

### P57 - GET INVOICE FROM MAG SYSTEM

CLIENT NUMBER:

Enter the DPS client number set up in Code EFTP.

INVOICE FILE NAME:

Press F4 to display the invoice files available to download from the RS6000\* or key in the invoice file name. If the message 'Missing EFTP Record' displays, the client number entered is not set up in Code EFTP.

PICK SESSION NBR : \_\_\_      DESC : \_\_\_\_\_

Press F4 to display any 'working' session numbers. You can enter a 'working' session number or start a new

session number. After entering the session number, press F9. If you do not want to assign a session number and pick by invoice file name, just press F9 at the 'Pick Session Nbr' prompt.

\*A maximum of 15 invoice file names display when F4 is done. Once that maximum is reached you will get the message that Code P51 needs to be run on the RS6000 to delete old files.

### **P25 - Create Retailer and UPC Index Files**

This code must be run for each invoice file to update the UPC file for the scanners and must be run before running Code P58.

STEP	ENTER	DIGITS	COMMENTS
	CODE P25		
1	INVOICE FILE NAME	8	MMDDYYSS
2	DEFAULT MAX TOTE WGT	4	XXX.0
3	DEFAULT WGT VARIANCE	4	XXX.0

### **P44 - Print VIP Exception Report**

This code must be run for each new invoice file before running P58 to create the picking files. This code checks all of the titles in the invoice file for copy weights and generates a report showing titles with missing weights and other error/warning messages. All titles on the line must have a weight entered or P58 will not process the invoice file. In addition, P44 will compute the bundle weight for bundle titles if no weight is in the download file. It takes the title weight times the number of copies in the bundle to compute it.

Any corrections can be made with Code P22 - Title Weight Issue Add/Update. Run P44 again to verify that the entries that were made in P22 are correct. P44 should be run and P22 updated until no errors are reported.

P44 should never be run for a new invoice if you are still working an old invoice.

The operator should never answer 'Y' to 'Clear The Bin Address File' if codes P87, P82 or P88 are running.

The only time an operator should answer 'Y' to 'Clear The Bin Address File', is when the operator is preparing to pick a brand new invoice. When preparing for a brand new invoice, key 'Y' at Main and Bundle line.

STEP	ENTER	DIGITS	COMMENTS
------	-------	--------	----------

CODE P44			
1	INVOICE FILE NAME	8	MMDDYYSS
2	CLEAR THE BIN ADDRESS FILE	(N/Y)	

The following are errors that may occur during P44.

**CONFIG VOLUME VAR IS > THAN TOTE VOLUME** - You probably have a bad volume size keyed

**NO BIN ADDRESS RECORD** - No Bin number was found in P42

**NO WEIGHT RECORD FOUND** - The title has no data in the P22 weight file

**TITLE IS BUNDLE BUT NO BUNDLE WEIGHT FOUND** - Title is identified as a bundle but has no weight

**NO LOOSE TITLE WEIGHT FOUND** - Title has no weight for single copy

**NO TITLE VOLUME FOUND** - Title has no volume for single copy

**THE TYPE OF MAGAZINE IS WRONG MUST BE A - H/Z** - The magazine type is invalid (not found in P35)

**BUNDLE SIZE IS MORE THAN A TOTE SIZE** - The volume for the title is probably incorrect

**TITLE SIZE IS MORE THAN A TOTE SIZE** - The volume for the title is incorrect

**TITLE VOLUME IS > 10 INCHES** - A warning message that the title volume should be double checked will display.

**TITLE WEIGHT > 10LBS** - The title weight is greater than 10 pounds and exceeds the sum of the retailer's weight (Max Tote Wgt + Wgt Tolerance) in Code P20.

#### **P22 - Title Issue Weight Add/Update**

This code can be used to update the weight/volume for a title/issue after the invoice pick file is brought over from the RS6000. Changes made will be logged and can be viewed with Code P74 or Code P23.

STEP	ENTER	DIGITS	COMMENTS
CODE P22			
1	ARE YOU USING SCALES?	1	Y/N
2	INVOICE FILE NAME	8	If using a session number and that session number is "working", enter the

session number. If using an invoice file name instead of a session, enter that invoice file name.

If you answered YES in step 1, place the first magazine or bundle on the scale now. The magazine needs to be on the scale BEFORE the bin number is entered. The screen displays the question if it is bundle weight or not. If you are weighing a bundle, place the bundle on the scale first and record the weight, then enter the same title/issue and record the individual copy weight.

3	BIN	7	
4	TITLE	5	
5	ISSUE	4	
6	TYPE (A-H)	1	A, B, C, D, E, F, G, H

If using a scale, the following is displayed:

The weight is recorded now.

7	IS THIS THE BUNDLE WEIGHT?	1	Y/N
---	----------------------------	---	-----

If 'Y' is entered, the system will update the bundle weight.

If 'N' is entered, the system will display the bundle weight, and will then update the copy weight.

If not using a scale, the following is displayed:

7A	BUNDLE WEIGHT	5	XXX.00
7B	COPY WEIGHT	5	XXX.00
8	THICKNESS	5	XXX.00

### P23 - Weight File List

This report lists differences in weight/volume and should be checked if a lot of boxes are being rejected. It prints the bin, title, issue, type, bundle size, bundle weight, copy weight and volume. Next to the volume field an "\*" prints if the volume is less than .10.

The weight and volume originally keyed for the title at receiving time print in the left hand columns. The weight that P88B is using prints in the right hand columns. These columns start out identical. The weights that display in the right hand column are updated depending on the circumstances. When the P88B - F4 Recalculate Weight option is used the P88 CTR is advanced by one. The P88 CTR is reset to 0 each time P23 is run.

After a box has been diverted, and the operator is using the F4 - Weigh That Title to verify the proper quantity of a title is in the tote, if the weight that the system has calculated differs from the actual weight, but not enough to cause an out of variance condition, we take the difference between the calculated weight and the actual weight, divide that by the number of copies. We then add the result to the original copy weight. When this occurs we do not advance the P88

counter. Examples of this will appear on the P23 report as titles with very small differences (for ex. .001 or .002) and no P88 CTR.

This weight can be different due to copies varying but there should not be a big difference. If the difference is greater than .1 or .2, you should investigate. Typically this is caused by operator error when using the P88B - F4 Recalculate the Weight option. For Example, the operator has already used the F1 - Weigh That Title option. This option has called for 10 copies. The operator mistakenly puts in 15 copies, does the F1, it tells the operator still out of variance. Assuming that the correct number of titles were placed in the box, the operator uses the F4 - recalculate the weight option. The system then takes the weight of 15 copies and divides by the 10 copies that the system thinks are in the box. This causes the copy weight of the title to be overstated. As soon as totes with that title in it start arriving at the main scale, you will start to see excessive diversion.

If you find that the P88B - F4 Recalculate Weight option has caused a title's weight to be over/understated, you can run P22 - Title/Issue Weight Add/Update for that title/issue. After keying in the session number or the invoice file name, bin number, title number, and issue number, the weight and volume that were entered originally during receiving will display. F9 to process and end the code. This will reset the weight that the system is using to the original weight.

STEP	ENTER	DIGITS	COMMENTS
	CODE P23		
1	INVOICE FILE NAME	8	If using a session number and that session number is "working", enter the session number. If using an invoice file name instead of a session, enter that invoice file name.

### **P58 - Create Invoice Picking File**

This code is used to create a VIP picking file from the invoice file downloaded with Code P57.

When Code P58 runs, the P04 table will be read and any bin numbers in the table flagged as 'N' for "PTL Active" will be assigned to bin 1. This will allow the PTL file to be created and allow QC to be done for the bins that do not have lights.

The P58 printout goes to the spool file (on hold) under printer number 2.

#### P58 - CREATE PICKING FILE

INVOICE FILE NAME		MMDDYYSS*		
BIN NBR	TITLE	TITLE NAME	NEW BIN	BUNDLE BIN

**MMDDYY** - Identifies the name of the pick file by date. The **SS** is a sequence number to keep same dated files separate.

### Verifying Bundle Count

If using the invoice file name and not a session number, and the bundle count for a title is incorrect and needs to be changed or zeroed out, the change can be made in P58. Make the change and reprocess the invoice file. This will update the bundle weight in the weight file with the number of copies/bundle times the copy weight.

If a title came down in the invoice file with no bundle count at all, you cannot use P58 to key one in.

If using a session number, the pick file has to be deleted with Code P51 and the pick file download started from the beginning with Code P57.

Before doing Code P55 to merge the pick file into the session number, you can do Code P35 to display the bundle counts in the pick file on the displays. These bundle counts can then be verified against the actual bundles stacked on the line. Then, if the bundle count for a title is incorrect and needs to be changed or zeroed out, Code P58 can be used to make the change and reprocess the file.

To display the bundle counts on the displays, do P35 and select Option 3 - Picking Zone Diagnostics. From the displayed menu, select 6 - Display Bundle Quantity.

Displays:

PICK FILE NAME :

Enter the pick file name.

The zone masters and any bin with no title assigned displays "----". Any bin with a title that has no bundle count displays "0".

### P55 - Merge VIP Files

This program will merge the downloaded invoice file into the session number that was assigned to the invoice file when it was downloaded with Code P57. After the merge is completed, use Code P50 to set the session number disposition to 'working'.

STEP	ENTER	DIGITS	COMMENTS
	CODE P55		
1	INVOICE FILE NAME	8	Enter the invoice file name.
2	DO YOU WANT TO CONTINUE (Y/N) ?:	1	Enter 'Y' to continue and merge the file. Enter 'N' to end the code and return to the main menu.

As the files are copied and merged, the file name displays on the screen. When the merge is complete, the screen displays “PROCESS COMPLETE, ENTER TO END” to return to the main menu.

### **P50 - Set Session Disposition**

This code displays the status for the downloaded invoice files. The screen displays Invoice (file name), session (session number assigned in Code P57, if any), status (F4 to display selections) and description.

The current session number you will be picking will have a status of 'Working'. Once flagged as working, different programs that prompt for invoice/session number will automatically display the current working session number.

The session description that displays can be changed by pressing enter and getting to the 'Description' column.

### **Status Definitions**

You can press F4 at 'Status' to display the status selections. If you need to change the status, use the arrow key to go to the status selection wanted and press enter.

### **Invoice**

The initial downloading of an invoice with P57 sets the status to 'Invoice'.

### **Create**

If a downloaded invoice is assigned to a new session number during Code P57, the session number will be set to 'Create'.

### **Inv Copied**

Once an invoice is copied to a session with Code P55, the status is set to 'Inv Copied'.

### **On Hold**

If a new session needs to be set to 'Working', and the previous 'Working' session is not completed, set the previous 'Working' session to 'On Hold'. Then, the new session can be set to 'Working'. Only one session at a time can be set to 'Working'.

### **Working**

When you are ready to work with a session, set it to 'Working'. Only one session can be working. The screen will display a message if there is another working session and you try to update an additional one.

NO MORE THAN ONE WORKING AREA ALLOWED  
SESSION XX IS ALREADY SET AS WORKING

1. FLAG THIS SESSION AS ON HOLD
2. FLAG THIS SESSION AS COMPLETE
3. MAKE NO CHANGES AND RETURN

ENTER OPTION (1/2/3) \_

**Complete**

Once a session is finished, set it to 'Complete'.

### P87 - VIP Select Invoice and Print Label

This code is used to print tote labels, and if setup, weigh each tote.

If you have a main and bundle line, key P87 on the printer terminal assigned to each line.

This code adds the invoice records for the retailer keyed to the picking file and prints a label for each of that retailer's totes. The retailer's name, address (address 2), route and delivery sequence print on the tote label from the retailer file on the VIP pick system. A tote sequence number prints on the tote label indicating the order in which the totes will be picked. If a retailer is set up to print return forms, then a return reference number will print on the label. The bundle line label prints the titles that are in the tote.

When a retailer is selected to print by P87, the retailer number and tote sequence numbers are flagged as processed. This is so that if P58 must be rerun to process a title addition or deletion, the retailers that have already been labeled/picked will not be reprocessed and that the tote sequence numbers are not reused.

For weekly deliveries, P87 uses the retailer's Magazine Sequence 2 and prints the day of the week that the product is to be delivered above the date. If Magazine Sequence 2 is:

- 1 - Monday will print on the label.
- 2 - Tuesday will print on the label.
- 3 - Wednesday will print on the label.
- 4 - Thursday will print on the label.
- 5 - Friday will print on the label.

STEP	ENTER	DIGITS	COMMENTS
	CODE P87		
1	INVOICE FILE NAME	8	MMDDYYSS
2	PRINT AS WEEKLY LABEL Y/N?	1	
3	RETAILER NBR	5	
	F3 - REWEIGH EMPTY TOTE		
	F4 - ROUTE/RETAILER STATUS		
	F5 - SELECT NEXT RETAILER IN LINE		
	F7 - MERGE P58 DATA		
	F8 - DISABLE/ENABLE PRINTER/SCALE		
	RETAILER SELECTED	STORE	
	1234 YOUR STORE NAME	77	
	ROUTE 26 ROUTE SEQUENCE	50	
	SEQ NUMBER 43	INVOICE NBR	2245428

### Retailer Nbr Prompt

If it is necessary to pick the totes in a different sequence than they are in the file, P87 is used instead of the P82 option, L - Advance Lead Picker. Key the retailer number and the program

will jump to that retailer. The program will then proceed to the next sequential retailer when **F5** is keyed.

If you select or enter a retailer that has already been processed or if you need to reprint labels for a retailer that has already been processed with P87, the screen displays a message.

```
THIS INVOICE IS ALREADY SELECTED           |
RETAILER 33422  INVOICE 02018469         |
DO YOU WANT TO PRINT LABELS  (Y/N):  Y   |
```

Key Y to print the labels. Key N to return to the Retailer Nbr prompt.

### F3 - Reweigh Empty Tote

If you use a scale at the beginning of the tieline to weigh totes, then this screen will display automatically after labels have been selected to print for a retailer. It will automatically display the first tote sequence number for the retailer. After the proper tote is placed on the scale, the tote's weight displays on the screen. The operator then presses the 'enter' key to save the weight for that tote. The next tote sequence number for that retailer displays. When all totes for a retailer have been weighed, you are returned to the main menu of P87.

```
WEIGH EMPTY TOTE
SEQ      NUMBER  :    117
        WEIGHT   :    5.12
```

If P87 can't find the scale, because the scale is broken or disconnected, it will display the option to "Disable Tote Weight Scale (N/Y)?". Answer "Y" to disable the scale. The system will then use the "Actual Tote Box Weight" from the P35 - System Configuration.

```
WEIGH EMPTY TOTE
SEQ      NUMBER  :    117
        WEIGHT   :    5.12
DISABLE TOTE WEIGHT SCALE (N/Y)?
```

### F4 - Route/Retailer Status

This can be used to display the pick status of the routes or to select the next route/retailer to be processed. Press **F4** to display the status of the routes. The status of each route displays on the screen. Use F5/F6 to scroll forward and back.

#### P87 - VIP SELECT INVOICE AND PRINT LABEL

RTE	START SEQ	END SEQ	NBR RTLRS	NBR TOTES	STATUS	PERCENT	COMPLETE
24	205	205	1	2	LABELED		0
25	305	340	6	7	LABELED		0
26	145	410	7	8	NOT PICKED		0

To display the detail for a route, press **F4** at that route number. The screen displays the detail by retailer for the selected route.

RTE	SEQ	RTL	INVOICE	NBR TOTES	STATUS
24	205	33422	2018649	2	LABELED

The status indicators are the same as used by P90, not picked, labeled, picked, re-weigh, and ready.

**F9** while in the first (route) screen will select the first retailer from the highlighted route for process. **F9** while in the second screen (retailer) screen will select the highlighted retailer for process. When you use the F9 option to process the highlighted retailer, the message “Route Out Of Sequence - Continue? (N/Y)” displays. This message displays to safeguard against accidentally getting out of sequence.

#### **F5 - Select Next Retailer In Line**

After P82 is entered and 8's and title numbers have been displayed on all bins for the picking file, press **F5** to automatically print labels and display the first retailer's tote in the picking file on the bins for the first picking zone (lead picker). When the first zone is finished picking the copies and is ready for the next tote, press F5 to get the next tote and press button on the zone master display to advance to the next tote and display the picks on the displays. If the button on the zone master display is pressed before **F5** is done, all 7's display.

When a route is completed and **F5** is done, the screen displays the message “**THE NEXT INVOICE IS FOR A DIFFERENT ROUTE**”. If picking is being done in the same sequence as P58, just **F5** to continue with the next route in order. If you need to skip to a different route, key in the first retailer number in that route instead of doing **F5**.

#### **F7 - Merge P58 Data**

This option is only used when P58 has been reprocessed. It is not necessary to end P87, P82, P90 or P88 to rerun P58. However, the message “**P58 HAS RECREATED A NEW FILE, PRESS F7 TO MERGE DATA**” will display at the bottom of the screen to indicate that a new file has been created. The new P58 file will not be used until **F7** has been done. The message “**MERGE IS COMPLETE**” will display when the merge has completed.

#### **F8 - Disable/Enable Printer/Scale**

This option is used when the label printer or tote weight entry scale is not working. This will allow P87 to process retailers when the label printer is not working so that they can be picked with Code P82. If the scale goes down, this allows P87 to use the “Actual Tote Box Weight” from the P35 - System Configuration. Press F8 repeatedly to scroll through the various combinations of enabled/disabled. For example, press the F8 button one time to disable the

printer and scale. Press F8 a second time, and the printer will be disabled, the scale enabled.  
Press F8 a third time and the printer will be enabled and the scale disabled

### **Walgreens Tote Labels**

Code P87 reads the Retailer File - Label Type field and if this field is 'WG' then Walgreens specific labels are printed.

These labels print an SSCC18 Barcode label.

#### **SSCC-18 ID Number Layout for GP only (As of 10/18/06)**

X 168 12345678 12345 9

X - Identifies the warehouse

2 - GP mags

4 - GP books (Computac) *determined if the file ends with '50'*

12345678 - Invoice number

12345 - Tote number

9 - check digit (calculated)

#### **SSCC-18 ID Number Layout for SA only**

00 00 00 00 15 123456789 X

15 - SA magazines (MJ)

15 - SA books (Computac)

123456789 - Tote serial number

X - check digit

## Pick Processing

The warehouse/pick line supervisor activates the BOSS VIP Picking System. All displays pass maintenance verification (All 8's are displayed to ensure that every display is working and that a six won't be misread as a five, or an eight misread for a nine, etc.). Every title number is then displayed at each bin to verify that all titles are in the correct bin locations.

The box label is scanned at each station and as each zone master is pressed, they will display the last four digits of the invoice number. The order selector pulls the quantity indicated on each lighted bin display. The order selector must press the button on each bin display to erase the quantity as it is picked and then press the button on the zone master display. The zone master button will blank all pick boxes in his zone. The quantities for the next invoice to be picked will then display on the bin displays. If the zone master does not advance to the next invoice, this means that a bin display button was not pressed as the quantity was picked. If "7777" displays, that means no box labels have been scanned in for that station's zones.

When a box is completed, "6666" will display after the last pick within a zone and in the display right after the master in all zones after that. This indicates that there are no more picks for a box and it can be pushed off to be weighed at the main scale.

So if station B scans a box and the first and second zones have picks, the first zone will display its picks, no 6's. The second zone will display its picks with 6's in the display after the last pick. The third zone will display 6's in the first box after the master. If the box gets to station C, and beyond, all will display 6's in the first box after the master.

### P81 - Start Scanning Stations

This code activates the scanning stations so the invoice bar code label can be scanned in at each station when P82 is run. After the stations are activated, Code P82 is keyed at the menu and the invoice bar code labels are scanned.

The screen displays the date, time, scanner, scan status, invoice number, retailer and a message area for each station as invoices are scanned. The screen is in a constant update mode and data will roll off the screen as new data is scanned. You can use Code P77 to display a specific zone's scan history with as many as 5 invoices before and after the one currently displayed on the zone master.

To end P81, press enter. The screen displays the message "Do You Want to End Code (Y/N)?". Key "Y" to end code and return to the main menu. Key "N" to let the code continue.

#### P81 - START SCANNING STATIONS

STEP	ENTER CODE P81	DIGITS	COMMENTS
1	INVOICE FILE NAME	8	If using a session number and that session number is "working", the session number will automatically display. If using an invoice file name instead of a session, enter that invoice file name.
2	STATION ID	1	ALWAYS ENTER "B"
*	DESCRIPTION	*	DISPLAYS 'STATION B'
*	STATUS	*	DISPLAYS STATION STATUS
3	ACTION A/S	1	A = ACTIVATE S = STOP

### P77 - Display PkBX File

This code will display a specific zone's scan history with as many as 5 invoices before and after the one currently displayed on the zone master. The asterisk indicates the currently displayed invoice.

#### P77 - DISPLAY PKBX FILE

INVOICE FILE: 03050400 ZONE: 0001

SEQUENCER	DISPLAY KEY	INVOICE	CUSTOMER
4235	19332497	19332497	20223
4236	19332496	19332496	20223
4237	19332495	19332495	20223 *
4238	19342327	19342327	12167

## **P82 - Boss Pick Processing**

After P81 has been started, this selection will activate the picking line. The screen will display:

PICK FILE NAME.....(00000039): \_\_\_\_\_ If using a session number and that session number is “working”, the session number will display. Enter the session number displayed. If using an invoice file name instead of a session, enter that invoice file name.

### **Start a Picking Session**

If picking is started at the beginning of the invoice, the screen will display: 'PICKING IS NOW ACTIVE'.

Initially, all displays will show 8888 as a test of the LCD elements. When the button on each Active zone master is first pushed, each Bin Display will show the number of the item assigned to it as a test for correct pick line setup.

Scan the invoice bar code labels to create the picking order. The scanner will beep 2 times when a scan is successful. If the label has already been scanned successfully or if the label is not found in the pick file, the scanner will beep 4 times. If the scanner only beeps 1 time, there is either a problem with the scanner configuration or the scanner communication with the network. Check that all scanner cables are plugged in securely to the network connections. Use the group ‘A’ bar codes to reset the scanner configuration.

To start picking what has been scanned in, press the button on each zone master display. The pick-ID number will display on the zone master for the starting invoice. All bin displays with the red beacon lit will have a quantity displayed to be picked. If the item does not have a pick, the beacon will not light up. If the zone does not have a pick for the invoice scanned, "7777" displays on the zone master.

When all orders have been filled, all of the bin displays will display "DPS".

### **Restart a Picking Session**

If the picking process is being brought up to continue after being terminated through operator control, after entering the session number or pick file name, all zones will automatically be restarted with the same pick-ID they were on when the system was terminated.

## **OPERATOR CONTROL**

If picking needs to be stopped for any reason, press "Enter" on the PC to interrupt the picking processing. The following will display:

### **T - TERMINATE PICKING PROCESS**

Enter “T” to end picking process. The system will remember the Pick ID on each Zone Master display and can be restarted at any time.

**R - RESTART A ZONE AT A SPECIFIED CUSTOMER**

This will restart a zone master at a specific pick-ID number. You can use Code P77 to display the zone and the invoices scanned to determine what pick-ID number to enter.

**L - ADVANCE THE LEAD PICKER**

Not used.

**N - NEW PICKING SESSION**

Not used.

**D - DROP A ZONE**

Enter "D" to drop a zone from picking on the tie line. This will put the zone selected into stand alone diagnostics mode and allow the other zones to continue picking until the problem in the dropped zone can be corrected. This zone will have to be manually picked to keep up with the remaining zones.

**A - ADD BACK A DROPPED ZONE**

Enter "A" to add back a previously dropped zone. System will prompt for the zone number and the dealer number for that zone to start picking.

**P - PICK/NO PICK TITLE**

Enter "P" to pick/no pick a title. This option is used when Galley titles are included in the pick file but have not yet been received into the warehouse. The code will prompt for bin and title number. When this bin has picks, it will now display 0000. As picking continues, the bundle and loose copies are accumulated until the title is activated again by this option. When picking is completed for this file, use code P66 - Galley Copies Not Picked Report to determine how many bundles and copies are required for each route's deliveries for the unpicked quantities.

**S - ENTER STOP PICK ID**

Enter "S" to stop the entire line on the same pick id (i.e. At the end of the day). The system will prompt for the pick id number. When each zone has picked this dealer/title number, the zone master display will return to 'DPS'.

### P88 - Verify Items Picked

P88 is run at both the weigh scale and at the reweigh stations on the main line and at the weigh scale on the bundle line. The system is setup to let P88 know what type of station it is running on.

If the message "No Loose Weight" displays in P88, this indicates that a bin number was changed in P58 in the middle of the pick session. If it is necessary to change a title's bin after beginning to pick, process all the totes that have been displayed with P82 with P88 at the weigh and reweigh stations. End P82. Run P90 and 804 to print invoices. Use P51 - Delete Picked Invoice File to delete the invoice and import it again with P57 - Copy Picking Data. Then rerun P58 - Create Picking File and reassign the bin number.

The message "Invalid Invoice File" indicates that P87 has not been run to process any retailers yet.

If the message "All Files Are Done" displays, press enter to return to the main menu. Enter P88 to start up again.

### Main Line - Weigh Station

If P88 is running on a weigh station, all boxes get either accepted or rejected to the reweigh area. The system compares the 'Computed Weight' to the 'Actual Scale Weight' of the tote box and calculates the difference. If the 'Variance' displayed is greater than the entered 'Weight Tolerance' determined for this retailer, the 'In-Motion' tie line will stop. The tote is rejected and diverted to the reweigh area.

When P88 is started at the main scale station the prompt 'ENTER SEQ NBR' displays. The tote sequence number for the next tote in line to be weighed will display on the screen. If the tote number that displays is correct, press the enter key to start the scale. If the tote number that displays is not the next tote in line, then key in the proper tote number. The message 'XXX TOTES WILL BE SKIPPED - CONTINUE? Y/ N'. When you answer 'Y' the skipped totes will be flagged as being sent to re-weigh., and can then be verified at the re-weigh stations.

P88 - VERIFY ITEMS PICKED			
RETAILER	NAME	STORE	
1005	MANN'S MARKETS, INC.	325	
SEQ NBR 618	TOTE BOX	1 OF 5	
COMPUTED	ACTUAL SCALE WEIGHT	VARIANCE	
26.52	23.47	3.05	

### Main Line - Reweigh Station

A tote box flagged as 'OUT OF BALANCE' requires the operator at the reweigh station to enter the rejected tote box sequence number and choose the required action to correct the 'Out of

Balance' situation. As corrections are made to the magazine's actual weigh, subsequent totes that were rejected may come up in variance.

### **Bundle Line - Weigh/Reweight Station**

If a scale is set up on the bundle line, an out of variance tote is not diverted. P88 displays the menu to correct the tote immediately before the next tote can be weighed and verified.

### **P88 - VERIFY ITEMS PICKED**

RETAILER	NAME	STORE
1005	Mann's Markets, Inc.	325
COMPUTED WEIGHT	ACTUAL SCALE WEIGHT	VARIANCE
33.5	31.2	2.3
F1 - CHECK THE WEIGHT		
F2 - VIEW TITLES IN TOTE		
F6 - BY-PASS TOTE FOR RETAILER (PROCESS)		
F8 - REWEIGH TOTE		

OPTION TO DO: \_\_

#### **F1 - Check the Weight**

This option requires the tote box to be re-packed and then re-weighed. Each title/issue displays on the screen indicating what was invoiced and what the system thinks is in the box. Short and over copies display. As each title/issue is verified and put in the tote the weight is recalculated and the remaining variance for the entire tote displays. When the variance is 0, the tote is accepted.

#### **F2 - View Titles in Tote**

This option was designed especially for the bundle line but could be used on the main line for prepacked books and bundle items. The title/issues in the tote box display on the screen so that a sight verification can be made against what is actually in the tote. The correct product can be swapped in and the operator can then proceed to **Option to Do - F8**.

#### **F6 - By-Pass Tote for Retailer (Process)**

This allows the tote to be flagged as ready without being verified. The invoice will print the product as it was billed not as it was picked.

#### **F8 - Reweigh Tote**

This option allows the tote box to be reweighed after adjustments have been made (usually with **Option to Do - F2**), without having to go to the menu to do step by step.

**MOUNT EMPTY TOTE, PRESS ENTER WHEN READY**

Remove the out of balance tote box and place an empty tote box on the scale. The system will prompt the operator to key in the tote number from the label. This is done to update the P75 file with tote weights.

### P88 - VERIFY ITEMS PICKED

RETAILER	NAME	STORE	
1005	MANN'S MARKETS, INC.	325	
INVOICED	10 COPIES	WEIGHT	8 COPIES
	2 BUNDLES		2 BUNDLES
	2 COPIES SHORT		0 COPIES OVER
	0 BUNDLES SHORT		0 BUNDLES OVER
LOAD TITLE	10227 PEOPLE WEEKLY	BIN NUMBER	152
	VARIANCE LEFT		1.52
	F1 - WEIGH THAT TITLE		
	F2 - VIEW TITLES IN TOTE		
	F4 - RECALCULATE WEIGHT AND UPDATE WEIGHT FILE		
	F7 - ACCEPT SHORT COPIES		
	F8 - REWEIGH THE TOTE		

OPTION TO DO: \_\_

#### F1 - Weigh That Title

The system instructs the operator to put the quantity of the title displayed in the tote box (the last item picked; last in, first out method). When this is done, press F1 to weigh the tote with those titles placed in it. The tote box will then be re-weighed and indicates if the items' weight is in balance with the computed weight. This process is repeated until the short/over item is found and the tote box is in variance.

#### F2 - View Titles In Tote

This option is used to view all titles that should be in the tote. This feature is helpful when a picker misses multiple titles. Titles that have already been processed with the F1 - Weigh That Title option display with an asterisk (\*) in the first position. F5 & F6 can be used to scroll through the data. Press "enter" at a highlighted title to weigh that title, if the title has already been processed an error message will display. The title number, name, bin number, and expected copies will display.

#### F4 - Recalculate Weight and Update Weight File

If the tote box was picked accurately, then the weight of the magazine out of balance has changed since the initial weigh of the item. If this is the case, press F4 to recalculate the weight of the item displayed. The weight will be recalculated and the adjusted weight of the magazine will be updated to the Title/Issue weight file for the remainder of the pick process.

**F7 - Take Weight and Adjust Files**

If the tote box is actually short/over the invoiced quantity, press F7 and the invoice discrepancy will be recorded so the retailer's invoice can print correctly when Code 804 is run. If P35 - Pick System Configuration, Accept Short Copies, is set to N, the screen displays "F7 Invalid" and the short/over copies must be corrected to continue.

**F8 - Recompute the Weight**

When the tote box has been corrected with the proper quantity of items, and all items are once again in the tote box, press F8 to recompute the weight of the tote box and continue the weighing process.

**P53 - Add/Delete Bins From File**

This code is used to delete/undelete titles from the tieline. If a title needs to be taken off the pick line after picking has started, you can flag the title as deleted. Any titles that are deleted will still have their bin lit up with the number of copies. If the option to clear each display is being used, press the button to continue to the next pick. The Add/Un-Add, and Add New Bin column are not used.

P53 - ADD/DELETE BINS FROM FILE					
BIN	TITLE	TITLE	ADD	ADD	DELETE
NBR		NAME	UN-ADD	NEW BIN	UN-DELETE
001	1043	BLACK BELT			
002	1093	MODERN BRIDE			D
003	1246	COMPUTER LIFE			

**DELETE/UN-DELETE Option**

This option is used for titles that were processed in the initial P58 file create. If no more copies are available to fill the orders, go the DELETE/UNDELETE column and key D to flag the title as deleted. P58 will display five 9's (99999) under New Bin to indicate that a title has been deleted in P53.

If you need to undo the delete, you go back to the same column and key U to unflag the title as deleted.

## Printing VIP Invoices

To print VIP invoices, code P90 is run to create a file that Code 804 uses to actually print the invoices and post any adjustments made with Code P88 during the pick process to the bulk and O/R file on the RS6000.

Code P90 is only run on the main line. If P90 is keyed on the bundle line, the message "P90 Cannot Be Run on the Bundle Line" displays and returns the operator to the main menu.

Code 804 is then run on the RS6000.

### P90 - Check Reweigh File

This code allows you to select by route the totes that have been processed through the weigh and reweigh scales (status = ready) since the last time P90 was run.

Since a Status and a Percent Complete display for each route, P90 can be used to monitor pick line progress. The route display is in the same order as the P58 printout.

Code P82 and Code P88 do not have to be ended for normal P90 processing. See instructions for running P90 if the main and/or bundle line scales are down.

#### P90 - CHECK REWEIGH FILE

INVOICE FILE NAME: \_\_\_\_\_

Enter the invoice file name being picked. To process routes with a Ready status, key X in the SL column and press F9. If routes are selected and for some reason you do not want to process invoices yet, use F1 to exit the code without update.

After a retailer is picked and processed with P90, it cannot be re-picked without doing P58 again.

If just checking the tie line progress, do not enter X in the SL column. You can use F1 to exit the code. If you F9, the message "No Routes Have Been Selected" displays before returning to the main menu.

Under rare circumstances, such as P58 being run when totes are still being processed, P82 being stopped and restarted, picking out of sequence in P82, there could be stray records displaying in P90. Enter O to process these totes. **It is recommended that you contact DPS, before doing the O, to determine why there are stray records.** The **P90 - VIP Exception Report** will print the customer, reference and tote with the comment "Override not Ready" for any records that had "O" entered in P90.

The **P90 - VIP Exception Report** always prints every time completed routes are processed. If there have been no exceptions, the report will list "0 Message Lines".

P90 will display “Cannot Find The Original Bundle Line Bin” if the code determines that there are problems with the Bin Table. P90 will still create a file for 804 to process. The **P90 - VIP Exception Report** will print “Cannot Find The Original Bin for Bundle Line Bin XXX” (XXX = the bin number). If you get the “cannot find the original bundle line bin” message you should contact DPS for assistance with determining the cause. Also, the invoices should be checked carefully. If there were loose and bundle copies, then it is possible that only the loose copies will show up. If there were only bundle copies, then it is possible that they will print as galley titles, i.e. At the top of the invoice with no tote number.

#### P90 - CHECK RE-WEIGH FILE

##### SELECT ALL ROUTES THAT ARE READY

S	START	END	NBR	NBR			
L	RTE	SEQ	SEQ	RTLRS	TOTES	STATUS	PERCENT COMPLETE
	3	308	480	6	6	NOT PICKED	[ 80 ]
	4	215	470	12	16	PICKED	[ 0 ]
	5	215	465	15	20	NOT PICKED	[..... 25 ]

The status of each route displays on the screen. Use F5/F6 to scroll forward and back. To display the detail for a route, press F4 at that route number. The screen displays the detail by retailer for the selected route.

	RTE	SEQ	RTLRS	NBR	TOTES	STATUS
	3	308	50002	1	1	READY
	3	310	50004	2	2	NOT PICKED
	3	320	53835	1	1	PICKED
	3	440	37844	1	1	RE-WEIGH
	3	470	60800	1	1	PICKED
	3	480	53860	1	1	PICKED

Press F4 at a retailer to display the detail for that retailer by tote.

	RTE	SEQ	RTLRS	TOTE	STATUS
	3	310	50004	45	NOT PICKED
	3	310	50004	50011	READY

#### P90 Status Descriptions

**Ready** - Indicates that the retailer/tote has been picked with P82 and has gone across the scales (main and/or reweigh).

**Reweight** - Indicates that the retailer/tote has been picked with P82, has been diverted from the main scale and has not gone across the reweigh scale.

**Picked** - Indicates that the retailer/tote has been picked with P82 but has not gone across the main scale.

**Labeled** - Indicates that a retailer's tote labels have been printed with P87.

**Not Picked** - Indicates that the retailer/tote has not been picked with P82.

### **P90 - Printing VIP Invoices When Scales Are Down**

There is an option that allows the operator to print invoices by tote number when the scale is down on the main and/or bundle line.

Make sure that P88 is not running on any terminal. If the scale has been down or not used, P88 should not have been keyed.

When all the totes for the last retailer picked by the lead picker have cleared the main scale, end Code P82. The pickers must not press the button to advance to This means that all totes up to and including the last retailer the lead picker did must be past the main scale before P82 is ended.

At the main scale terminal on the main pick line, key P90. At the Invoice File Name prompt, press F1. The message, "Create Data From P82 File" will display for the main line and "Create Data From Bundle P82 File" (if you have a bundle line scale). Key "Y" for yes for the line that has the down scale. P90 will create a file for code 804 to process. The **P90 - VIP Exception Report** will print "not weighed" for these retailers.

### **P90 - UPS File Create**

Set the P35 - UPS File Create flag to Y to create the UPS export file. When P90 is run to process a route, the system will create an export file named UPSxxxM\_mmddy.hhmmss, where xxx is the client number, mmddy is the system date, and hhmm is the system time. P90 reads the P35 - System Configuration Screen 2 - Warehouse location field to determine the client number; warehouse location 1 = 165 and warehouse location 2 = 168.

The export file is written to the /u/dps/pck/export/ups directory. This is a flat file with each record containing retailer number, invoice number, *invoice date*, number of totes, and SSCC-18 tote ID number. The output files must be deleted manually.

*Invoice Date - The invoice date is converted to the "Wednesday" date when written to the output file. If the day is Monday or Tuesday, the date will become the upcoming Wednesday date. If the day is Thursday, Friday, Saturday or Sunday, the date will become the prior Wednesday date.*

### **Clients 165/168**

The output of the P90 - UPS File Create function is mapped to a shared directory (/oprdata) on AIX via NFS. If the client can see the files created on the VIP PC, but are unable to see the files on the RS6000, then "RESETNFS" should be run from the menu on the RS6000.

### **804 - Print VIP Invoices**

This code is run on the RS6000 after Code P90 has been run on the VIP PC.

Code 179 - Accept Invoice must be run for the invoice date being picked **before** code 804 is run. Code 179 updates the RS6000 pickcheck file with the invoice data to be used by code 804.

The message "Code 179 Has Not Been Done" will display if Code 804 is keyed before the invoice is accepted. Code 804 compares the invoice date of the data coming back to the invoice date of the records in the 'base' file, so this message could appear if you have started a new invoice run under the same date.

Code 179 writes A/R audit register data to the VIP A/R file. Code 804 also writes A/R audit register data to the VIP A/R file. This allows you to use Code P34 to run a report that lists all retailers that have not been processed with 804.

Code 804 copies the weight adjustment file put out by code P90 via FTP to the RS6000 and processes the adjustments. The Bulk and O/R Files are adjusted and the invoices print. The POS Consignment quantity in the POS file is updated for POS retailers.

Code 804 also copies the UPS HHT files from the directory /u/dps/pck/export/ups on the pick system to the directory /u/pcdrv/agentek on the RS6000. The files are deleted from the pick system after the copy is complete.

If you get the message "Billing File in Use. Press Any Key to Return to Menu", call DPS immediately.

If you get the message "804 Already Running", press enter to return to the main menu and contact DPS immediately.

The **804 - VIP Audit Report** prints in bin number order listing any retailer whose number of copies did not match the original draw. It will list Retlr, Tote, Title, Issue, Name, Bin, number of Invoices, number Picked, Difference, and Message. This report automatically goes to printer 1 on the RS6000 system unless otherwise specified in Code 321 - Client Record Maintenance, Invoice Options 2 screen.

The message **\*\*\*Bad Data\*\*\*** indicates that the difference is due to more copies going into the tote than originally billed (overage). This overage should be manually verified by physically checking the tote for the copies.

The message "Bundle Title" indicates that the title had a bundle count keyed when it was invoiced.

The report then prints the total number of totes that went through P88 at the weigh and reweigh scales (Total Totes Processed), total totes that were diverted because of variance errors and went through P88 at the reweigh scale (Total Bad Totes Processed) and the percent of Bad Totes to Total Totes Processed. Totes Processed with P90 indicates the number of totes that were out of

variance but had not been processed with Code P88 at the reweigh scale when P90 was run. If the scale is down and F1 is used in P90 to “Create Data From P82”, Totes Processed with P90 prints the number of totes that did not go across the weigh scale. If the report prints with no numbers except for a number in Totes Processed with P90, this is from printing the split invoices that do not go across the line.

A recap prints at the end of the report breaking down the short and over picks with an error percent by pick station and the number of occurrences by title (bad title). If a title is picked incorrectly for 6 totes, the number of occurrences is 6. The P01 table is used to print the number of stations and assign the bad picks by bin number. The first entry in P01 is station 1, the second entry is station 2 and so on.

When setting up the invoices to print, the service charge and service charge 2 default to N. To print service charges on the invoice using the service charge amount set up in Code 500, enter the invoice date, the A/R description and key Y for the service charge to be used.

An A/R audit register prints showing the A/R that is going to be created when EOD is run.

EDI is updated. For Clients 165 and 168 Save EDI = P updates EDI.

When EOD is processed, A/R, sales and archiving are updated. The invoice batch number is created as 98MMDD, MMDD = month and day from the invoice date.

### **804 - Total Units Picked**

Codes 804, 804CMP and 804MJ, read the WGTADJ files coming back from the pick system to get a count of the total number of units that were picked. The total number of units picked are accumulated by day, and by the type of invoice that the user specifies. The user specifies the type of invoice, Main, Book, Weekly or Reorder, during the 804 run.

This data is recorded in the Total Picks file (query #146), and can be viewed by the reporting code, Code 874 - Print Total Pick Data. The date is recorded in the query file as CCCMMDD.

Units are not recorded when split files are processed without going over the tieline or when the F1 options are done to re-process files.

### **Small Retailers with Galley Titles Only**

Small retailers that end up not drawing any titles on the tie line but still have galley titles do not go across the main line and their invoices must be printed out with 801. Code 804 will not print them because they had no draw on the tie line.

### **Tote Numbers on the Invoice**

The tote number prints on the invoice for titles picked on the main line (and bundle line, if using). Galley titles that print on the invoice and are not picked on the tie line, print 0 as the tote number. If 999 prints for the tote number, this usually indicates that P88 was ended before all totes for the retailer went through the scales.

The split galley invoices print 998 for the tote number.

### Invoice Summary List

To print an invoice summary list by title/issue at the end of the invoice, use Code 500 - Add/Update Retailer to update the Invoice Summary List field to a Y. If the chain master number (99xxx) is updated to a Y, all retailers in that chain will print an invoice summary list. The summary lists quantity, name, title number, issue, retail, price, extended total and the 13 digit UPC.

### Call-In Notices

When the Code 321 - Invoice Options screen - Detail Callin Option is not 'N', Code 804 and 804MJ will prompt the operator to 'Print Callins? Y/N'. Please note that the operator must answer 'Y' to 'Print Callins? Y/N' during the 173/174 run in order to be able to print call-ins during 804/804MJ.

### Tote Box Charge

To print a tote charge on the retailer's invoice for each tote shipped, use Code 500 - Add/Update Retailer to update the Miscellaneous 3 Service Charge. A line prints on the invoice with the total number of totes at the dollar amount entered in Code 500 with the extended amount.

To print a tote charge on split invoices or for invoices that do not go across the pick line, the RS6000 requires that the tote information on the P02 screen be setup the same as the DPS VIP Pick System P35 screen. A dummy tote charge title number and issue have to be added to the bulk and O/R files. The dummy tote charge title number must be set in Code 321, Invoice Options 2, Tote Title Number. Use Code 500 to update the retailers' Miscellaneous Route 3 Service Charge with the tote box charge. The tote box charge in the retailer file must match the tote charge title number bulk issue price. If there are multiple tote charge amounts that differ from retailer to retailer, use Code 330 to set up the discounts for correct tote box charge calculation on the invoices. You do not have to answer 'y' to Service Charge or Service Charge 2 to print the tote charges, tote charges print whenever there is an entry in Misc 3 Service Charge.

## 804 - PRINT VIP INVOICES

STEP	ENTER	DIGITS	COMMENTS
	CODE 804		
1	INVOICE FILE NAME	8	
2	ARE THESE REORDER INVOICES? (Y/N)	1	**
2	INV TYPE MAIN/BK/WKLY/REORDER	1	M/B/W/R
3	DO YOU WANT TO CONTINUE (Y/N)	1	Y/N
4	PROCESS SPLIT FILE NOW (N/Y)	1	Y/N
5	COPY UNIX FILE NOW (N/Y) ?:		Y/N

\*\*When you answer 'Y' to 'Are these reorder invoices? Y/N', this tells the system to pull the data back from the Reorder Line data area (data area 3).

The first 6 digits of the invoice file name are interpreted as the invoice date and this date is used to determine if Code 179 has been run.

Split invoices that do not get picked on the tie line can be printed by themselves or with invoices picked on the pick system (code P90 run).

To print the split invoices by themselves or with the invoices picked on the pick system (code P90 run), key Y when the prompt "Process Split File Now" displays.

If no invoices have been picked on the pick system (no code P90 run), key N when the prompt "Copy Unix File Now" displays.

The invoice files on the RS6000 display. Enter a Y next to the split invoice file name to be processed.

#### P86 - PROCESS SPLIT INVOICES

SELECT FILE	SELECT FILE	SELECT FILE	SELECT FILE	SELECT FILE
N 06030200	N 06030201	N 06030202	N 06030203	

Press F9 after the files have been selected. The following displays after the split file(s) and any pick system file have been processed to print.

#### 804 - PRINT VIP INVOICES

```

SELECT 1-PART PRINTER
PRINT TO SCREEN USE 5 OR 6
SELECT PRINTER (1-17): 4
IS ALIGNMENT OK? (Y/N): Y
SELECT INVOICE PRINTER
PRINT TO SCREEN USE 5 OR 6
SELECT PRINTER (1-17): 4

```

-----  
TO ADD INVOICE MESSAGE OR SPECIAL A/R DESCRIPTION  
OR TAKE OFF SERVICE CHARGE FOR AN INVOICE

```

INVOICE DATE      : //
A/R DESCRIPTION   :
MESSAGE LINE 1    :
MESSAGE LINE 2    :
MESSAGE LINE 3    :
SERVICE CHARGE  (N/Y):
SERVICE CHARGE 2 (N/Y):

```

When setting up the invoices to print, the service charge and service charge 2 default to N. To print service charges on the invoice using the service charge amount set up in Code 500, enter the invoice date, the A/R description and key Y for the service charge to be used.

An A/R audit register prints showing the A/R that is going to be created when EOD is run.

EDI is updated.

When EOD is processed, A/R, sales and archiving are updated. The invoice batch number is created as 98MMDD.

### **Print VIP Invoices - Pull Line by Invoice/Special Invoice Run**

If the tie line is down or if a special invoice run is done and will not be sent to the VIP system to be picked, use this procedure to print invoices so they can be pulled manually. Make sure that any invoices that were on the tie line before it went down have been processed with Code 804.

At the menu, key 804.

804 - PRINT VIP INVOICES

INVOICE TYPE MAIN/BOOK/WEEKLY

Press F1 here

DO YOU WANT TO CONTINUE (Y/N) ? :           N

Press F1 at

DO YOU WANT TO CONTINUE (Y/N)

The screen displays the following.

804 - PRINT VIP INVOICES

DO YOU WANT TO CONTINUE (Y/N) ? :           N

REPROCESS PICKCHECK FILE (N/Y) ? :        N

Press F1 at

REPROCESS PICKCHECK FILE (N/Y).

The screen displays the following

804 - PRINT VIP INVOICES

DO YOU WANT TO CONTINUE (Y/N) ? :           N

REPROCESS PICKCHECK FILE (N/Y).           N

CREATE A/R SLS FOR REST OF DLRS (N/Y)?    N

Key Y at  
 CREATE A/R SLS FOR REST OF DLRS (N/Y)  
 and press return

804 - PRINT VIP INVOICES

DO YOU WANT TO CONTINUE (Y/N)?:           N  
 REPROCESS PICKCHECK FILE (N/Y)           N  
 CREATE A/R SLS FOR REST OF DLRS (N/Y)?   Y  
 DATE           : \_\_/\_\_/\_\_

Enter the invoice date. The screen displays the following.

804 - PRINT VIP INVOICES

SELECT 1-PART PRINTER  
 PRINT TO SCREEN USE 5 OR 6  
 SELECT PRINTER (1-17): 4  
 IS ALIGNMENT OK? (Y/N): Y  
 SELECT INVOICE PRINTER  
 PRINT TO SCREEN USE 5 OR 6  
 SELECT PRINTER (1-17): 4

-----  
 TO ADD INVOICE MESSAGE OR SPECIAL A/R DESCRIPTION  
 OR TAKE OFF SERVICE CHARGE FOR AN INVOICE

INVOICE DATE       : //  
 A/R DESCRIPTION   :  
 MESSAGE LINE 1   :  
 MESSAGE LINE 2   :  
 MESSAGE LINE 3   :  
 SERVICE CHARGE (N/Y):  
 SERVICE CHARGE 2 (N/Y):

When setting up the invoices to print, the service charge and service charge 2 default to N. To print service charges on the invoice using the service charge amount set up in Code 500, enter the invoice date, the A/R description and key Y for the service charge to be used.

Regardless of whatever A/R Description you key in, all A/R transactions created during the 804 process will post to the A/R Transaction file as a charge.

An A/R audit register prints showing the A/R that is going to be created when EOD is run.

EDI is updated.

When EOD is processed, A/R, sales and archiving are updated. The invoice batch number is created as 98MMDD.

### **801 - Print VIP Invoices**

**This code and Code 804 - Print VIP Invoices cannot be running at the same time.**

Use this code to print VIP invoices only (no updating) or to process VIP invoices and update A/R, EDI and archiving.

If N is keyed to "Do You Want to Create A/R", only invoices print.

If Y is keyed to "Do You Want to Create A/R", Code 801 prints the invoices, prints an A/R audit register and updates EDI. A/R, A/R sales and archiving are updated when EOD is run. The invoice batch number is created as 98MMDD.

Code 801 reads the cancel invoice file so if any missing invoices have been canceled with Code 806 - Cancel Invoice or have been dropped by running Code 805 - Reorg (automatically drops data by date from this file), you will not be able to get those invoices.

Code 801 does not flag anything in the cancel invoice file for the invoice numbers entered and processed. This means that code 801 could be run again on the same invoices, and if Y is keyed to "Do You Want to Create A/R", the invoice data would then be duplicated.

Invoices can be selected to print by invoice number, chain number, retailer number, invoice sequence or route number. The data is created by entering a from and to number. The from and to numbers can be the same.

A validation message "CORRECT (Y/N)" will display if the difference between the Invoice Number From/To is greater than 50, if the difference between the Invoice Sequence From/To is greater than 50, if the difference between the Retailer Number From/To is greater than 50, if the Chain From/To are not equal, or if the Route From/To are not equal.

When setting up the invoices to print, the service charge and service charge 2 default to N. To print service charges on the invoice using the service charge amount set up in Code 500, enter the invoice date, the A/R description and key Y for the service charge to be used.

If a retailer is set up to print a tote charge, Code 801 will only print one tote box charge per invoice.

### 801 - PRINT VIP INVOICES

DO YOU WANT TO CREATE A/R (Y/N) ? : N  
 SELECT OPTION (I=INVOICE NBR, C=CHAIN, R=RETAILER,

S=INVOICE SEQ, T=ROUTE):

INVOICE DATE :

FROM INVOICE NBR :

TO INVOICE NBR :

FROM CHAIN :

TO CHAIN :

FROM RETAILER :

TO RETAILER :

FROM INVOICE SEQ :

TO INVOICE SEQ :

FROM ROUTE:

TO ROUTE:

#### 804 - PRINT VIP INVOICES

SELECT 1-PART PRINTER

PRINT TO SCREEN USE 5 OR 6

SELECT PRINTER (1- 17): 4

IS ALIGNMENT OK? (Y/N): Y

SELECT INVOICE PRINTER

PRINT TO SCREEN USE 5 OR 6

SELECT PRINTER (1- 17): 4

-----  
 TO ADD INVOICE MESSAGE OR SPECIAL A/R DESCRIPTION  
 OR TAKE OFF SERVICE CHARGE FOR AN INVOICE

INVOICE DATE : / /

A/R DESCRIPTION :

MESSAGE LINE 1 :

MESSAGE LINE 2 :

MESSAGE LINE 3 :

SERVICE CHARGE (N/Y):

SERVICE CHARGE 2 (N/Y):

-----

#### **P34 - VIP A/R File List (RS6000)**

This code is run on the RS6000 and prints a report that shows the A/R transactions created by 179 and the corresponding A/R transactions posted by Code 804. This report also lists the 804 date processed. You can select/sort by retailer, chain, route, reference, processed flag and transaction date.

Select/Sort by “Processed Flag (Y/N)” - From/To = No to No will display the records that have not been processed with 804.

Select by:

- |                          |                  |
|--------------------------|------------------|
| 1 - Retailer             | 2 - Chain        |
| 3 - Route                | 4 - Reference    |
| 5 - Processed Flag (Y/N) | 6 - Invoice Date |

Sort/Total by:

- |                          |                  |
|--------------------------|------------------|
| 1 - Retailer             | 2 - Chain        |
| 3 - Route                | 4 - Reference    |
| 5 - Processed Flag (Y/N) | 6 - Invoice Date |

#### **AR58 - Delivery Verification Report (RS6000)**

This program reads the Cancel Invoice file and generates a report that lists by invoice reference number the retailer number, the retailer name, the route number, the sequence number and the number of totes to be delivered for the invoice dates and routes selected. This is used to verify that the proper number of totes are delivered to each store.

#### **P95 - Purge VIP A/R Data (RS6000)**

This code is run automatically on the RS6000 during the REORG process to purge data from the VIP A/R file. It can also be run manually. If run manually, all records in the VIP A/R file will be dropped if they are older than the date keyed. During REORG this code subtracts the number of days entered in the 321 - REORG Options screen - P34 HOLD DAYS field from the system date to calculate a drop date. The system will purge any records older than the drop date from the VIP A/R file.

#### **874 - Print Total Pick Data (RS6000)**

This code is used to print a listing of data in the Total Picks file (defined to query as file #146). Enter the from/to date range of data that you want to view.

#### **X875 - Purge Operator Data (RS6000)**

This program deletes old data from the Total Picks file. The system drops all data older than or equal to the purge date. This program is run automatically during the REORG process, and uses the entry in the Code 321 - Reorg Options - X875 Hold Days field to determine the purge date.

## Pick File Statistics and Reports

### P27 - Schedule File Maintenance

This code sets up a schedule for the pick line so that codes such as P63 can report errors broken down by shifts. Up to three shifts and seven days of scheduling can be entered. Day 1 starts with Sunday and is sequential through Day 7 (Saturday). Enter the shift start (START) and end (STOP) times, total time allotted for breaks (BRK) and the number of pickers (NBR) per shift.

#### P27 - SCHEDULE FILE MAINTENANCE

DAY	SHIFT 1				SHIFT 2				SHIFT 3			
	START	STOP	BRK	NBR	START	STOP	BRK	NBR	START	STOP	BRK	NBR
6 FRI	__ :00	__ :00	__ :00	18	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
7 SAT	5:30	16:00	1:00	18	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
2 MON	8:30	16:00	1:00	18	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
3 TUE	5:45	16:00	1:00	18	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
4 WED	5:30	16:00	1:00	18	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
5 THR	5:30	16:00	1:00	5	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__
_	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__	__ :00	__ :00	__ :00	__

### P61 - Clear Picking Statistics

This code will allow for the clearing, deleting, and dropping of certain pick statistics data. Each one having a different meaning. Initially there will be a prompt for the 'Invoice Nbr' where either the invoice number or Session can be entered. Then there will be 2 more prompts 'Clear or Delete' and 'Drop Date'.

#### 'Clear or Delete' prompt:

This code will either delete the entire table or will clear the data that has accumulated in the table while picking is in progress and only applies to the VIPSTAT2 and BINSTAT files. "Copies Picked" is the cumulative number of copies picked by a zone for the invoice file currently being picked. This field is not cleared by the P61 "clear" option.

Choose "D" for delete if, A) the pick file has to be deleted with P51 after a P58 has been run and a new file has been downloaded to the pick system or B) you have made corrections and have to rerun P58 for the corrections to take effect. Delete must be done before P58 is run. This deletes the entire table.

Choose "C" to clear when you want to continue picking on the same file but want to gather fresh statistics. For example, if you are finishing up a pick started yesterday, choose clear to gather fresh statistics for the picking that will occur today.

#### 'Drop Date' prompt:

This code will drop records from the PICKERR that are less than or equal to the 'Drop Date' entered and are on the Inv File initially entered.

### P26 - Zone Name Maintenance

This code allows you to enter the name of the picker for each zone, 25 character maximum. The name entered displays in Code P68.

## P26 - ZONE NAMEMAINTENANCE

## ZONE

NBR	NAME	
1	STATION	1 _____
2	STATION	2 _____
3	STATION	3 _____
4	STATION	4 _____
5	STATION	5 _____
6	STATION	6 _____
7	STATION	7 _____
8	STATION	8 _____
9	STATION	9 _____
10	STATION	10 _____
11	STATION	11 _____
12	STATION	12 _____
13	STATION	13 _____
14	STATION	14 _____
15	STATION	15 _____

**P68 - Display Picking Statistics**

This code displays or prints the picking statistics by picker.

When you enter Code P68, the working session number or invoice file name will display at the 'Invoice File Name' prompt. Press enter to display the data or press F1 to go to printer selection to print the data. Select your printer and the cursor will return to the 'Invoice File Name' prompt displaying the working session number or invoice file name. Press enter and the data will print. The screen will return to the main menu.

Data is displayed in **red** for zones which are above the acceptable error rate, and in **green** for zones which are below the acceptable error rate. "Copies Picked" is the cumulative number of copies picked by a zone for the invoice file currently being picked. This field is not cleared by the P61 "clear" option. \*\* The message "Invalid Invoice File" will display if the P61 delete option has been done and P58 has not been rerun. \*\* The data displayed will refresh automatically every 2 1/2 minutes.

## P68 - DISPLAY PICKING STATISTICS

INVOICE FILE NAME:

If using a session number and that session number is "working", the session number will automatically display. If using an invoice file name instead of a session, enter that invoice file name.

To print the data instead of displaying, press F1.

ZONE	NAME	COPIES PICKED	PICK RATE HR	TOTE ERRORS	TITLES REQ	TTL PCK ERRORS	ERR RATE
1	Station 1	6,520	160	1	648	3	•
2	Station 2	6,391	185		910	6	*
3	Station 3	5,120	156		662	8	1

F5/F6 TO VIEW :

## Field Definitions

**Copies Picked:** Total number of actual copies picked by the zone.

**Pick Rate Hr:** Copies picked/time spent picking.

**Tote Errors:** If a tote had any errors in it (can be 1 or 100), 1 is added to this value.

**Titles Req:** Count of 1 for each bin that has a pull in it. Doesn't matter if pick is 1 or 50.

**Ttl Pck Errors:** If a box is audited and pick is wrong, whether high or low, 1 is added to value.

**Err Rate:** Ttl Pck Errors/Titles Req.

## P63 - Picking Error Report

This code reports the errors recorded in the PICKERR file by P88B. There is the option to Select/Sort on Invoice, Shift, and Bin. It will report by Invoice, Shift, and Bin the Title, Title Name, Total Errors, Total Over, Total Short, Total Over Bundles, Total Short Bundles.

## P69 - Bin View Summary Display

This code displays a summary of the picking statistics by bin.

### P69 - BIN VIEW SUMMARY DISPLAY

INVOICE FILE NAME: 09230299

BIN	BIPAD NAME	TITLE REQ	TITLE ERRORS	COPIES REQ	COPIES PICKED	UNIT ERRS	ERR PCT
145	15211 VARIETY PUZZLE GAME	40		270	252	18	7%
146	33612 VOLUPTUOUS	28		216	150	66	44%
147	49712 MEN'S EXERCISE: ABDO	20		75	58	17	29%
148	43801 CHILDREN FUN PUZZLES	21		93	82	11	13%
149	26411 ALL EASY XWORDS	26		101	79	22	28%
150	14411 GOOD TIMES XWORD(D)	26		185	162	23	14%
151	44811 HOROSCOPE	20		86	64	22	34%
152	27012 SUPER SEARCH A WORD	42		183	166	17	10%
153	30426 EASY VARIETY WORD GA	37		165	137	28	20%
154	6038 JET	111	1	937	821	116	14%
155	36439 CITY BUSINESS	7		141	83	58	70%
156	31934 FIRST-RATE VARIETY C	39	1	270	220	50	23%
157	21911 MUSCLE MUSTANGS & FA	48		226	203	23	11%
158	91040 WINE SPECTATOR	8		54	54		%

F5/F6 TO VIEW : \_

## Field Definitions

**Title Req:** This field displays the number of picks that each title has had. A "pick" is counted each time a bin lights up in a particular zone. Each time a bin is lighted in a zone, 1 will be added to this value.

**Tote Errors:** This field displays a quantity based on title errors per zone. The system adds 1 to the quantity when there are picking errors with one or more titles in a particular zone. For example, there are 5 zones, each with 5 titles. The tote is packed with all the titles from each of the zones. The tote is out of variance and diverted to the re-weigh area. When re-weighed, it turns out that the tote is short copies from 3 titles from zone 1, and all of the titles from zone 2 are over. In this case, the Tote Error will = 2; +1 for the errors in zone 1, +1 for the errors in zone 2.

**Title Error:** This displays the number of times that the quantity picked for a title does not match the quantity that the system calculated to be picked (over or short). This is updated when an over/short quantity is accepted at the re-weigh scale. This is per title, not per copy. For example, if a tote is supposed to have 10 copies of a magazine, but the tote only has 5 copies - this is counted as one error.

**Copies Requested:** This is the total number of copies that **should have been** picked. This is the sum of the "quantity to pick" that has been displayed on the Bin Display.

**Copies Picked:** This is the total number of copies that **have been** picked. When a box crosses the first scale and is in variance, the units in that tote will be added to the proper zone number. If the box is rejected, then, when the box is fixed, the units will be added then. On the reweigh scale it will add only on the first checking of the tote.

**Unit Errors:** Computed field, this is the difference between Copies Req and Copies Picked.

**Pick Rate:** (hr)This is a computed field based on time spent and copies requested.

**Error Rate %** - computed field.

## P24 - Create ASCII Pick Stat Data

This code creates three flat ASCII files by invoice file that can be imported into other applications. The files created are called ASCIIBIN, ASCIISTAT2, and ASCIERR and put into the /u/dps/pck/export directory. The number of records for VIP and Bin Stats displays on the screen.

P24 - CREATE ASCII PICK STAT DATA

INVOICE FILE NAME: 09230299

VIP STAT RECORDS : 50  
 BIN STAT RECORDS : 448

### **P29 - Purge VIP Stat Data**

This code will remove the data from the Production Status file and the Performance Monitoring file after each invoice has completed picking.

### **P78 - Totals for P88A Log**

This code displays data for the session number or invoice file name by date and time. The data that displays comes from the P88ALOG records that are added by the scale with a date and time.

All boxes that cross the first scale are counted ( reruns, reorders, all).

#### P78 - TOTALS FOR P88A LOG

ENTER FROM DATE: / / TO DATE: / /

ENTER FROM TIME: 0000 TO TIME: 0000

INVOICE FILE NAME: \_\_\_\_\_ If using a session number and that session number is “working”, the session number will automatically display. If using an invoice file name instead of a session, enter that invoice file name.

#### P78 - TOTALS FOR P88A LOG

TOTAL BOXES TO PICK	Total number of boxes to be picked from invoice file. This does not include reorder only boxes.
TOTAL BOXES PROCESSED	Total number of boxes that have gone across the main scale. (Total Accepted plus Total Rejected).
TOTAL ACCEPTED	Total number of boxes accepted at main scale and sent to packing..
TOTAL REJECTED	Total number of boxes rejected at main scale.
TOTAL INVALID SCAN	Total number of boxes rejected at main scale as ‘no reads’ (invalid scan on bar code label).
TOTAL OUT OF VARIANCE	Total number of boxes rejected at main scale as ‘out of variance’ (good scan on bar code label).
AUDIT CHECKED	Total number of boxes scanned or keyed in at the

reweigh scale. This should match or be close to the total out of variance number.

### **P71 - Invoice Log Inquiry**

This code will be used to check the Invoice Log which is created during Code P58 for all invoices if the flag in P35 - P88A INVC LOG is set to 'Y'. This log will have the weights for each invoice initialized to zero during its creation in Code P58. Then, each time the invoice passes the Main Scale (Code P88A), the 'Calculated Weight' and the 'Scale Weight' will be updated in this log with each new pass of the Main Scale overwriting the previous pass. This program will then allow you to view the weights for an invoice by entering the invoice number at any time until the invoice data is manually purged with Code P73.

You can press F1 to create a .csv file, which will give you a prompt for Session Nbr. Once the .csv file is created, the path and file name will be displayed on the screen. The file will be written to the /u/dps/vip/export directory using the session number as the name. For instance, the .csv file will be named 000000XX.CSV where XX is the session number. The file will contain the fields Invoice Number, Date (Inv File Name), Calc Weight, and Scale Weight.

### **P73 - Invoice Log Purge**

This code will allow the manual deletion of data in the Invoice Log that is used in Code P71. All records will be dropped that have an invoice date equal to or less than the 'Drop Date' entered.

### **P74 - P88B F4 Weight Change Report**

Each time a weight is updated in Code P88B with the F4 options, a record will be added to a log that can be viewed with this program. Also weight changes from Code P22 will be reported in this log and will be marked as 'P' in the 'From' column. Changes made manually with the F4 option in P88B will be marked with an 'M'. Changes made where the new weight is calculated Automatically will be marked with an 'A'. See Code P88B for an explanation of these differences. The user can Select/Sort by Invoice File, Date (change was made), and/or Difference. There also times when Code P88B will make changes to a title's weight automatically for small/nominal weight changes without prompting the user. These weight changes will appear with in the report with the login showing as AUTO.

### **P76 - P88 F4 Log Purge**

This code should be run periodically to purge the P88B F4 log. All records with a transaction date equal to or older than the date entered will be dropped from the log.

## Pick File Maintenance

When picking is completed for all files for an invoice date, those files should be deleted from the VIP PC system and the RS6000 system . This will keep the directories cleaned up so that space is not wasted storing completed files.

### VIP PC System

#### P52 - Display Invoice Files (PC)

This code is used to display Invoice Files currently on the PC. Use Code P51 to delete the Invoice Files already picked.

#### P51 - Delete Invoice Files (PC)

This code is used to delete invoice files from the VIP PC system after they have been picked. Use Code P52 to display the invoice files.

STEP	ENTER	DIGITS	COMMENTS
1	P51 INVOICE FILE NAME	8	If deleting a session number, enter the session number. If deleting an invoice file name, enter the invoice file name.
2	CONTINUE WITH DELETE?	1	Y/N

The message "No PickData01 Files Found" displays. Press enter to return to main menu.

### RS6000 System

#### P51 - Delete Picking File (RS/6000)

This code is used to display and delete Invoice Files from the RS/6000 after they have been picked.

#### P51 - DELETE PICKING FILE

ENTER FILE NAME TO DELETE OR F4 TO LIST

FILE TO DELETE:           Key in file name or press F4 to display available files. Use the  
down arrow key to select a file and press enter.

#### F4 Display

P	INV DATE	SEQ	LOC	WHSE	DATE	TIME	TIE
*	11/26/04		2	2	11/19/04	22:46:25	1031
	11/26/04	01	1	1	11/22/04	21:59:51	1032
	11/26/04	01	2	2	11/22/04	21:59:51	1032

CONTINUE DELETING MMDDYYSSLL? (N/Y): Default is N. Press enter if you do not want to delete the file name displayed. Key Y to continue with the delete if you do want to delete the file name displayed.

The screen displays the message 'File Has Been Deleted'. Press enter to return to the 'File to Delete' prompt. You can select another file to delete or press F9 to end the code.

An asterisk (\*) in the P column indicates that P25 has been run on the file.

### **P53VIP - Combine Pick Download Files**

This program is used to combine PTL download files into one file. You enter the name to be used for the combined file, then select the files to be combined. If the Code 321 option is on to sort invoices you can sort the combined download file by Other Invoice Seq 1 or Other Invoice Seq 2 .

#### **P53 - COMBINE PICK DOWNLOAD FILES**

INVOICE FILE NAME: \_\_\_\_\_

INVOICE SEQ (1,2): 1

SELECT FILE	SELECT FILE	SELECT FILE	SELECT FILE
_ 06190600	_ 06190601	_ 06190602	_ 06190603
_ 06190604	_ 06190605	_ 06190655	_ 06190666
_ 07100600	_ 07100601	_ 07110600	_ 07110601

### **P75 - Weight Totes**

This code is run at the main scale and is used to build a data base with the same box ID's and weights that are set up on the RS6000 in Code 125 - Add/Update BOXWHSE record.

At the main menu on the main scale terminal, enter P75. Place the box on the conveyor before the main scale. The box will trigger the photo eye causing the scale to lift and weigh the box. The weight displays and the cursor moves to "tote number" field. Enter the box ID and press enter. You are ready for the next box. When all boxes have been weighed, press F9 to end the code.

## Quick Reference Guide

### Logins

Login	Password	Function (Code)
pck	123456	P82 - Boss Pick Processing and all P81's - Start Scanning Stations
pck2	123456	P82 - Bundle line
pck3	123456	P82 Reorder Line
scanner	123456	P81 - Start Scanning Stations Reorder Line
label	123456	P87 - VIP Label Print
label2	123456	P87 - VIP Label Print
label3	123456	P87 - VIP Label Print
scale1	123456	P88 - Verify Items Picked (Main Scale)_
scale2	123456	P88 - Verify Items Picked (QC Station Scale)
scale3	123456	P88 - Verify Items Picked (QC Station Scale)
scale4	123456	P88 - Reorder QC
scale5	123456	P88 - Reorder QC
invprtr	123456	P90 - Invoice printing
admin	admin	Used to login to the linux desktop

### Multiple Screens on the Control Center Terminal (Facet Term)

After the 'pck' login and password are entered, the terminal screen will be at the main menu. To display what screen the terminal is in, press the 'CTRL' and 'W' keys. The screen will display '>>> **FacetTerm Window 1** '?' for Help <<<'. This can be done at any time.

To go to another screen, press the 'CTRL' and 'W' keys. The screen will display '>>> **FacetTerm Window X** '?' for Help <<<'. If you are in window 1 and you want to go to window 2, key in '2' and the terminal will go to window 2.

### Download Invoice File and Create Pick File

1. P57 - Get Invoice from Mag System
2. P25 - Create Retailer and UPC Index Files
3. P44 - Print VIP Exception Report
4. P58 - Create Invoice Picking File
5. P35 - Option 3, Display Title Number
6. P35 - Option 3, Display Bundle Quantity
7. P55 - Merge VIP Files
8. P50 - Set Session Disposition

### Pick Processing

1. Go to window 2. Key in P81 - Start Scanning Stations and press enter.  
Enter the session number and press enter.

Enter 'B' at Station ID and press enter  
Then, press F9  
Screen will be in mode to display scans.

- I. Go to window 1. Key in P82 - Boss Pick Processing and press enter.  
Enter the session number and press enter.  
Pick line will come up.  
Go back to window 1 to view scan screen.

## Pick Processing - Reorder Line

1. P57 - Get Invoice From Mag System
2. P25 - Load Customer and UPC files
3. P44 - Print VIP Exception Report
4. P58 - Create Picking File
5. P55 - Merge VIP Files
6. P50 - Set Session Disposition
7. P87 - Print VIP Labels
8. P81 - Start Scanning Stations
  - Station B = zones 1 to 7
  - Station c = zones 8 to 15
9. P82 - Boss Pick Processing
10. P88 - Verify Items Picked
11. P90 - Check Reweigh File

## Check NIC Card Status (Linux Server)

The Dell Linux server is equipped with two NIC (ethernet network interface cards). When the system reboots, sometimes one of the NIC cards does not come back on-line. The following steps will allow you to check the status of the NIC cards and reactivate them as necessary.

At the linux server main console -

1. Login = root, PSWD = souper
2. In the 'applications' menu, select 'system tools', then 'network device control'
3. The 'network device control' window will display the status of the NIC Cards. Example

Status	
Active	eth1
Inactive	eth0

4. Both eth0 and eth1 should show as active, if one or the other shows as inactive then do the following.
5. In the 'applications' menu, select 'network configuration screen'
6. The 'network configuration screen' will show both eth1 and eth0. There will be a 'check' next to the active NIC cards, and nothing next to the inactive NIC cards.
7. Place a 'check' next to the inactive NIC card, then click the big, green check mark button at the top of the screen.
8. The system will display a confirmation window "Question, you have made some changes in your configuration, ....."
9. Click 'Yes'
10. Click 'OK'
11. The message 'activating' will display for a few seconds, then you will be taken back to the 'network configuration menu'. Click the 'X' exit this menu, then you should be good to go.

## Stand Alone Line Controller Diagnostics

1. Turn off the power supply box(es).
2. Remove the terminator pin at the end of the display string for the line controller to be tested.
3. Turn on the power supply box(es).
4. Displays will show "OPEN".
5. Press the button on the first display after the master display. The first four displays will show systems parameters. The master display shows system baud rate. The next shows controller version number. The next shows maximum number of displays allowed for the controller. The next shows either a 1 or a 2.
6. Press the zone master button, all displays will show their addresses. The controller address will appear in the first two positions on the display, and the display address will appear in the last two positions with a colon separating them.
7. Press the zone master button again, all displays will show "8888".
8. Press the zone master button again, all displays will show "0000".
9. Press the zone master button again, all displays will proceed to "count mode".
10. Press the zone master button again, and it will go back to step 5.
11. Turn off the power supply box(es). Replace the terminator pin.

## Replacing a Line Controller

For ease of re-addressing new line controllers, DPS recommends that each customer have a 10' cable (straight through) to go from the P/C to the new line controller and 4 spare displays with wires to connect to the controller. This way nothing else has to be disconnected and then reconfigured.

1. TURN OFF THE POWER SUPPLY BOXES.
2. Connect controller to be addressed (new or used) to the PC with a straight through cable, or you can disconnect the power and cable going to the first controller and connect to the new controller.
3. Connect 4 displays to the controller and do not place the terminator pin in the last controller.
4. Turn on the power supply box(es).
5. Displays will show "OPEN". The next 2 steps detail how to make use of stand-alone diagnostics now that you have accessed them with procedures taken so far.
6. Press the button on the first display after the master display. The first four displays will show systems parameters. The master display shows system baud rate. The next shows controller version number. The next shows maximum number of displays allowed for the controller. The next shows either a 1 or a 2.
7. Press the zone master button (first display) and all displays will show their addresses. The controller address will appear in the first two positions on the display, and the display address will appear in the last two positions with a colon separating them.
8. Go to the Pick System PC and enter Code P35.
9. Choose option '4. Hardware Diagnostics'.
10. Choose option '5. Reassign Line Controller Address'.
11. You will be prompted for 'Enter Line Controller: '. Enter line controller address currently displayed on the bin displays. The first 2 positions in the display are the controller address.
12. Next you will be prompted for the 'New Line Controller Address'. Enter the new line controller address. After you enter the new address, it should automatically display on the displays.
13. TURN OFF THE POWER SUPPLY BOXES.
14. Place new line controller into its proper place on the line and you are done.

## **Penn Scale - Communications Setup**

Depending on the model series and age of the Pennsylvania scale access to the setup mode is either through the 'cal' button which is located underneath an access panel or through the front panel ZERO, UNITS, and PRINT buttons. Setup is accessed through the front panel buttons on the more recent versions of the scale.

In both cases navigation through the setup menu is done with the ZERO, UNITS and PRINT buttons on the front of the scale. In general the ZERO and UNITS buttons are used to change the values of a parameter and PRINT is used to set the parameter and to step through the various parameters.

With all of the settings that follow, if the parameter value that is blinking is the one you want, just press the PRINT key to advance to the next parameter.

### **Recent versions -**

1. Turn on the scale (plug it in) and wait for it to go through the POST.
2. Press the PRINT key for 4 seconds. The display will start to alternately blink 'Prt 25' and 'Stable'
3. Press the PRINT key. The display will blink 'CFG 60'
4. Press the PRINT key again. The display alternately blink 'bAU 61' and the current baud rate setting. Press the ZERO key until the display shows 9600. Then push PRINT. The display will alternate blink 'bAU 61' and '9600'.
5. Press the PRINT key. This will advance the display to the next parameter. The display will now alternately blink 'LEn 62' and the current length value. Press the ZERO key until the display reads '8'. Then push PRINT. The display will now alternately blink 'Len 62' and '8'.
6. Press the PRINT key. This will advance the display to the next parameter. The display will alternately blink 'SPb 63' and the current value for stop bits. Press the ZERO key until it says 1. Then push PRINT. The display will alternately blink 'SPb 63' and '1'.
7. Press the PRINT button. This will advance the display to the next parameter. The display will alternately blink 'PAr 64' and the current parity value. Press the ZERO key until it says 'nonE'. Then press the PRINT key. The display will alternately blink 'Par 64' and 'nOnE'.
8. Press the PRINT button. This will advance the display to the next parameter. The display will alternately blink 'Ech 65' and the current echo setting. Press the ZERO key until it says 'no Ech'. Then press the PRINT key. The display will alternately blink 'Ech 65' and 'no Ech'.
9. Press the PRINT button. This will advance the display to the next parameter. The display will alternately blink 'Cdr 66' and '0', just press the PRINT key.
10. Finally the display will blink CAL 80. We are through the setup. To exit setup, press the ZERO key. The display will show '0'. Press the PRINT key. The display will alternately blink 'Save ?' and 'No'. Press the ZERO key until 'YES' displays. Press the PRINT key. The display will alternately blink 'Save ?' and 'YES'. Press the PRINT key again to exit setup. The display will return to the weight read-out.

## **Penn Scale - Communications Setup Older Versions -**

The setup on the Pennsylvania Scale is achieved by putting it in setup mode with a button inside the scale and then going through a setup menu with the ZERO, UNITS and PRINT buttons on the front of the scale. In general the ZERO and UNITS buttons are used to change the values and PRINT is used to set it. The following steps will walk you through setting the communication parameters only. Follow them closely or you can easily mess up the weight calibration.

1. Turn on the scale (plug it in) and wait for it to go through the POST.
2. Lift off the top platform. The display will blink ULULUL (Under Load).
3. Put the scale on its side.
4. Open the access panel cover to the setup button by unscrewing the bolt on the bottom of the scale. The bolt you want is on a quarter inch lip with slits on the side.
5. Put the scale back on its feet.
6. Push the setup switch inside the scale. It will now blink CAL and 20.
7. Push and release the ZERO button until it says 6.
8. Push the UNITS button once, it will display 60. Then push the PRINT button. This will select the communications setup.
9. The scale will display CFG 60 for a few seconds and the blink bAU 61 and the current baud rate setting. Push the ZERO button until it says 9600. Then push PRINT. With all of the following settings, if the parameter value that is blinking is the one you want just hit PRINT right away.
10. Now it will blink LEn 62 and the current length value. Push ZERO until it says 8 bit. Then push PRINT.
11. Now it will blink SPb 63 and the current value for stop bits. Push ZERO until it says 1. Then push PRINT.
12. Now it will blink PAr 64 and the current parity value. Push the ZERO button until it says nonE. Then push PRINT.
13. Now it will blink Ech 65 and the echo setting to which it is currently set. Push the ZERO button until it says no Ech. Then push PRINT.
14. Now it will blink Cdr 66 and 0, just push PRINT.
15. Now it will blink Pd 67 and no, just push PRINT.
16. Finally it will blink CFG 70. We are through the setup. To exit, push ZERO, it will display 0. Then push PRINT.
17. It will go through the POST and then blink ULULUL. Put the scale back on its side and replace the access panel cover.
18. Put the scale on its feet and replace the top platform. The weight should go back to zero.

## Thin Client Notes

Each of the thin client devices are setup with two users - root and oper1. Configuration changes must be made when logged in as the root user. The thin clients are setup to automatically login the oper1 user. To get to the root login - power the device on or close the current session, then when device starts to come back up, you must press the shift key, very quickly, when the login screen appears. This prevents the device from automatically logging in the oper1 user, and allows you to login as the user of your choice.

The thin client will automatically attempt to connect to the linux server as soon as it is booted. The linux login will time out if no one attempts to login in the first 60 seconds. To get back to the linux server login, all you need to do is press the 'connect' button, in the HP connection administrator panel.

\* To power off the thin client device you must login as 'root'.

\*\* Only one connection to the linux server opens automatically. Additional connections must be done manually.

1. Minimize the current session
2. Hover the mouse pointer over an empty area of the desktop, then right click
3. This opens a menu box, choose 'console'
4. This opens the 'xterm' command line interface menu
5. At the command prompt, key in 'telnet linux168'.
6. This will take you to the linux login screens, login to the linux server by keying the appropriate user name and password.

\*\*\* The backspace key does not perform as usual - to do a backspace - use the back arrow, then the delete key.

## Configuring the Thin Client

Time:

Display: 800x600@60hz, 16 colors (this is the default)

Keyboard: US English  
Numlock On

Network: Active On Boot  
Static IP: 172.16.164.x (make x=3 for one x=4 for the other)  
Host Name: TERMNLxx (xx=51 and xx=52)  
Domain: TERMNLxx (same as above)  
Gateway: 0.0.0.0

System: Network Device Description: Terminal xx

User Management: Add: oper1  
Type: Operator  
No password  
Group: users

Security: Auto Log on for oper1

Taskbar: Bottom (do this for both root and oper1)

Connection: Add:  
Type: Other  
Name: lnx168-1  
Command: xterm -fa courier -fs 12 -e telnet linux168  
Advanced:  
Select oper1 on the right side  
Select lnx168-1 on the left side  
Click on =====> arrow to give to oper1  
Check Primary and Auto  
Save

Right click open Desktop space:

Select Console  
Vi /etc/hosts  
Add the line: 172.16.168.1 linux168  
Save  
Close with <cntrl-d> or exit

Reboot

## Scanners

### MS9540

MS9540 scanners are located at the start of the two stations (station B = zones 1 to 7 and station C = zones 8 - 15). The order that boxes are scanned at the 'induction' points controls the order of picking on the PTL. Boxes can be inducted directly to station C if there are no picks in station B.

The scanner beeps:

Two beeps - good scan

4 beeps - the tote has already been scanned, or the invoice is not found in the file

1 beep - bad scan; the scanner needs to be configured, or there is a communication problem.

#### Configuration Barcodes

1. Enter/Exit Program Mode
2. Recall Defaults
3. Enable 'Code 128'
4. Enable 'BEEP On BEL' command
5. Enter/Exit Program Mode

### MS6720

MS6720 Keyboard wedge type scanners are used with the HP Thin client at the Reorder line QC stations.

\*\*From ScanSelect Scanner Programmig Guide - February 2006

#### ENTER/EXIT PROGRAM MODE

B2 - Enable Keyboard Wedge Emulation

A2 - Disable Code 93

A2 - Disable Codabar

A3 - Disable Interleaved 2 of 5 (ITF)

A4 - Disable Code 39

E8 - Enable UPC prefix

E11 - Disable Line Feed

H1 - Enable 2 Digit Supplements

H1 - Enable 5 Digit Supplements

H2 - Enable Bookland

H3 - Supplements Are Required

H4 - Enable 5 Digit Redundancy

ENTER/EXIT PROGRAM MODE