

POS SYSTEM MANUAL

February 5, 2007

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Update of Consignment Fields for POS Accounts

In the Retailer File are fields for retail, price and cost for anything that gets billed out to or returned by a POS retailer. In the Product Sales File are the same values by product code and year along with the quantity. The following chart details how each process updates these fields.

Process	Consignment Value
Code 179 Invoices	debit
Code 165 Reorder Invoices	debit
Code E205 POS Invoices (POS Sales)	credit
Code E220 Returns	credit
Code E220 Return Chargebacks	debit
Code 800 returns (POS sales type T)	credit

The consignment fields in the Retailer and Product Sales Files are defined to the Query System so that reports, file exports and/or screen displays/updates can be used to track POS dollars.

The invoice dollars added to the Retailer File and the Product Sales File for the invoice run print on the 179 - Detail Sales Listing under Consignment Debits.

The invoice dollars added to the Retailer File and the Product Sales File for 165 reorder invoices print on the EOD Detail Sales Listing under Consignment Debits.

The invoice dollars added to the Retailer File and the Product Sales File for the E205 POS invoice run print on the EOD Detail Sales Listing under Consignment Credits.

The E220 POS return dollars added to the Retailer File and Product Sales File print on the EOD Detail Sales Listing under Consignment Credits. E220 return chargeback dollars print on the EOD Detail Sales Listing under Consignment Credits.

For POS retailers flagged as POS sales type T, the code 800 return dollars added to the Retailer File and Product Sales File print on the EOD Detail Sales Listing under Consignment Credits.

POS Processing for CSV/852 Files

Client 101 - Processing Overview

Retailer's flagged as 'P' print invoices with no extensions. No A/R or sales are created when Code 179 - Accept Invoice is run. A record is added to the POS File for every title, issue that goes out. Code 179 updates the consignment quantity in the POS File with the draw amount that was added in the O/R File. The POS File retail, price and cost are updated from the Bulk File. No other codes update the POS File retail, price and cost.

The invoice dollars added to the Retailer File and the Product Sales File for the invoice run print on the 179 - Detail Sales Listing under Consignment Debits.

Retailer Setup

Use Code 500 to flag the retailer and chain master numbers as 'P' for save EDI Data. No extensions will print on the invoice. No A/R or Sales will be created for the retailer when 179 is run. Retailers flagged with 'P' for 'Save EDI Data' will not generate a record to the Unsigned Invoice file. A record will be added to the POS File for every title, issue that goes out.

Office Max

The exception to this is the Office Max chain that sends an 852 file but is not a POS chain. The Office Max chain master must have the code 500 field,, POS type, set to a T for E205 to read the 852 file. The 852 file named as mail_in.new is read from diskette with Code E205 by using the E205 POS (P) Option and selecting (G)eneric, N to update.

CSV File Layouts

Following are the file layouts for the various .csv imports that Code E205 handles. The field numbers listed are the only ones that E205 reads. Data in the fields not listed is ignored. If no price and retail are in the file, the price (checks price discount file) and retail from the bulk issue are used. If SKU number and retail are in the file, a matching record has to be found in the SKU file. Each retail price for a title has to be setup with a separate SKU number.

Movie Gallery

Field Number	Length
1 Date	10 xx/xx/xx
4 Store Nbr	5 numeric
7 SKU Nbr	7 numeric
10 Quantity	5 numeric
15 Price	5v4 numeric
18 Retail	5v4 numeric (E205 drops it down to 5v2)

Funco

Field Number	Length
1 Date	10 mm/dd/yy (plus 2 blanks)
4 Store Nbr	5 numeric
7 UPC Nbr	15 numeric (requires - between UPC Mfg and UPC Item)

10 Quantity	5 numeric
14 Price	5v4 numeric
18 Retail	5v4 numeric (E205 drops it down to 5v2)
2,3,5,6,8,9,11,12,13,15,16,17	Not used. Enter (,).

Gart

Field Number	Length
1 Date	10 xx/xx/xx
4 Store Nbr	5 numeric
7 SKU Nbr	7 numeric
10 Quantity	5 numeric
15 Price	5v4 numeric
18 Retail	5v4 numeric (E205 drops it down to 5v2)

Video Update

Field Number	Length
1 Date	10 xx/xx/xx
2 Store Nbr	5 numeric
4 UPC Nbr	13 numeric
5 Quantity	5 numeric

E205 - Create POS Data

This code reads a file containing POS sales from the chain's point of sale system. If the screen displays the message 'Chain Not Setup in 321 for POS', contact DPS to set the chain POS flag. The following codes cannot be run at the same time: 165, 175, 379, or 173/174/179.

Client 101

Code E205 looks for the .csv POS File name EDI.CSV in the mag/data directory. For Office Depot, the file name has to be EDI852 and be put in the mag/data directory. Office Max uses the Generic format and the POS File name is read from diskette and must be named mail_in.new.

Client 135

Code E205 looks for the POS File name EDI.CSV in the mag/query directory.

The POS Sold Quantity in the DPS POS File is updated with the quantity sold. The Last Posted Date in the DPS POS File is updated with the date sold from the retailer's POS File. An audit trail report prints listing all of the items that were in the file and any errors that may have occurred during processing.

When the 'P' option is selected, the ISA vendor ID sent from the VAN is compared to the vendor ID in Code E500 for the chain number entered. Any records that do not match are skipped.

The program that assigns the invoice numbers in Code E205 will display the message "Record Lock Encountered On File Client. Press Enter to Retry" if Code 321 - Client Record Maintenance is open. Code 321 must be ended before E205 can continue.

There is an internal table that allows up to 10,000 retailers to be processed. If that limit is exceeded, an error message will display and the file will not be processed.

Step	Enter	
	Code E205	
	Type(Batch/CSV/POS)(B/C/P):	B for Batch file C for CSV File P for 852 EDI F1 to create reverse POS data (csv file only)
	If B is entered, screen displays:	
	Update POS Files (N/Y)?	Y or N. If N, the audit trail prints and the POS File is not updated. If Y, the audit trail prints and the POS File is updated.
	Batch Nbr:	Enter the batch number to be processed. Press F4 to display batch numbers from E203.
	Chain	Enter chain number, or press F4 to look up.
	If P is entered, screen displays:	Select Valid POS Type (G)eneric (R)ogers (C)omp-USA (S)A (E)ckerds (O)ffice Depot
	If C is entered, screen displays:	POS Option To Do: (M)OVIE
	Update POS Files (N/Y)?	GALLEY/(F)UNCO/(G)ART/(V)IDEO: Y or N. If N, the audit trail prints and the POS File is not updated. If Y, the audit trail prints and the POS File is updated.
	If P or C is entered for type of file, the following may display depending on the DPS client number.	CREATE 997 DATA? (N/Y) N = Do not create a 997 functional acknowledgment to be transmitted to the chain. Y = Create a 997 functional acknowledgment to be transmitted to the chain.
	If F1 is used, screen displays:	Post as Negative (N/Y)?
	Chain	Enter chain number, or press F4 to look up.

Update POS Files

N allows you to review the file for errors before updating the POS File. The audit trail prints listing any errors that will occur when the update takes place. Reviewing the audit trail ahead of

time allows you to correct UPC numbers, title numbers, prices, or store numbers on the RS6000 data so that you have a clean file.

Y updates the POS File with the POS data from the retailer and prints the POS Audit Report listing any errors that occurred during processing. The grand total sold, grand total on hand, total extended retail and total extended price print at the end of the report. Invoices will print and EDI will be created if the 'Print Invoice/Create EDI' flag in E500 is set to 'Y'.

The invoice dollars added to the Retailer File and the Product Sales File for the POS invoice run print on the EOD - Detail Sales Listing under Consignment Credits.

Create Reverse POS Data

To back out POS sales that posted in error or more than once, Code E205 can be used to take any input file and treat the quantities as a minus number. The negative quantities post based on the POS flag. The POS flag is set to a 'P' if it was a 'Y'. The input files are the M, F, G and V .csv formats. You can run in non-update mode to review the postings.

Client 101 Exceptions

'Over Sale Qty' prints on the report as information only. No O/R or Bulk File updating takes place. If POS data is not found, the sale is recorded as a POS Post Quantity Sold with the POS Bulk Posted Flag set to a 'P'. Consigned and POS Sales Quantity are set to 0 since no record was found. When E220 is run, this POS Post Quantity Sold then moves to the POS Sale Quantity and the POS Bulk Post Flag is changed to a 'Y'. This quantity then adjusts the OR accordingly (by increasing the amount sold by this quantity) and a negative return is sent through on the affidavit. The consigned quantity is not updated by E205 or E220.

E220 - Post POS File Returns

This code reads the POS File to calculate returns for the POS chain and posts them to the O/R and Bulk Files. The return quantity for each title/issue is calculated by subtracting the POS Sold Quantity posted with Code E205 from the Consignment Quantity (updated by Code 179 - Accept Invoice Run). If there is no Consignment Quantity in the POS File, this field is updated with the draw from the O/R file for the title/issue when Code E220 runs.

The program prompts for a chain number and process date. The chain's last process date from E500 will display. Enter a date to post returns for all titles/issues with an off-sale date equal to or less than the process date entered. If the date entered is greater than the system date, the screen displays "Date is Past Today - Continue? (N/Y). The default is N. If the date entered is correct, key Y to continue. If the date entered is not correct, key N to return to POS Process Date. The titles/issues are flagged as posted in the POS File (POS Post Flag = Y) and E500 is updated with the process date.

This code has the ability to be restarted after an abnormal end of job. The restart record is updated to reflect the processing step and a message is displayed indicating the restart point.

E220 - POST POS FILE RETURNS

CHAIN:

POS PROCESS DATE:

DATE IS PAST TODAY - CONTINUE? (N/Y) : N

If POS sales for a title/issue are added from Code E205 after Code E220 is run, the POS Post Flag is changed from Y to P.

When Code E205 is run, if the POS Post Flag is Y, the quantity sold from the Code E205 being run is added to POS Post Quantity. The POS Post Flag is changed to P.

When Code E220 is run, all titles/issues with a POS Post Flag of P, have the POS Sold Quantity and the POS Post Quantity added together. The POS Sold Quantity is updated with this number. The POS Post Quantity is set to zero. The POS Post Flag is changed to Y.

Returns in the O/R and Bulk Files for the titles/issues that had a POS Post Flag of P are reduced by the amount in POS Post Quantity. If the bulk returns have already gone to an affidavit, the quantity prints on the 814 Affidavit Recap Report in Excessive Publisher Returns.

POS File Flag	E220 Status	E205 Action
N	This means that Code E220 has not been run on the title/issue yet.	If the flag is a N, the quantity sold gets added to the sold quantity.
Y	This means that Code E220 has been run on the title, issue.	If the flag is a Y, the flag gets set to a P and the quantity sold gets added to the post quantity.
P	This means that Code E220 has been run on the title, issue and then E205 has posted a quantity sold.	If the flag is a P, the quantity sold gets added to the post quantity.

E509 - Find Missing Not Posted POS Data

This code is used to find returns for title/issues in the POS File that got updated when E220 ran but did not update the Bulk and O/R files. This can happen if an error occurs while E220 is running.

This code can be run in update and non-update modes. It should be run in non-update mode first to determine if there have been any errors. E509 prints a report listing the Dealer, Title, Issue, POS returns, O/R returns, and Net Returns.

If it is necessary to run this code in update mode, you must have all users log off the system and create a 990 back up tape before proceeding. When run in update mode, whatever is listed in the Net Returns column will be posted to the return field in the O/R and Bulk files.

POS Processing for POS Sales Type 1, 2, 3 and P

Invoice Processing Overview

POS Sales - Type 1

Type 1 POS account invoices print with no extensions. When Code 179 is run to accept the invoice run, the bulk file, O/R file, POS File, Save EDI file, Save Billing File and archiving are updated. No A/R or sales is created. Type 1 POS accounts do not print on the 179 - X014 - A/R Transaction Batch Proof Register. The total invoice dollars print under the consignment chain totals on the 179 - Detail Sales Listing. The consignment fields in the Retailer File and the Product Sales File are updated with the invoice amount and print under Consignment Debits on the 179 - Detail Sales Listing.

POS Sales - Type 2 and Type P

Type 2 POS account invoices process as normal and update the POS File. When Code 179 - Accept Invoice Run is run, the POS File retail, price and cost are updated from the Bulk File. No other codes update the POS File retail, price and cost.

POS Sales - Type 3

Type 3 POS account invoices print with no extensions. When Code 179 is run to accept the invoice run, the bulk file, O/R file, POS File and archiving are updated. The consignment fields in the Retailer File and the Product Sales File are updated with the invoice amount and print under Consignment Debits on the 179 - Detail Sales Listing. No A/R or sales is created.

POS Processing Overview

Code E221 is used to import the POS sales from each POS type into the POS Hold File. A batch number is assigned from Code 321, UCS Option Screen, Last PO Batch Number. Batches can be added and/or updated with Code E222 and Code E227. To delete an entire batch use Code E229. Use code E225 to print data in the POS Hold File.

Code E205 posts the imported batches to the POS Flow File and the POS File for all POS types. The POS File is updated with the amount sold.

POS Sales - Type 1

For type 1 accounts, no invoices print or archive (Code E500, Print Invoice/Create EDI = A). Save EDI is not updated. The next tie number is assigned and prints on the POS Audit Report. The Save Billing File is updated with the batch file date as the transaction date (release date) and the system date (date E205 is run) as the invoice date.

When the next EOD is run, the DPS A/R will be updated and print on the X014 A/R Batch Proof Register with a batch number of 10 + the month and day of the invoice date (MMDD). DPS A/R sales will be updated and print on the EOD Detail Sales Listings. The total invoice dollars will update the consignment fields in the Retailer File and print under Consignment Credits on the EOD Detail Sales Listing.

POS Sales - Type 3

For type 3 accounts only, the save billing file is updated using the file date as the invoice date. If the chain is set up to save EDI, the save EDI file is updated. The next EOD prints the A/R Batch Proof for the invoice transactions created in E205 and updates the DPS A/R and Sales files. The invoice dollars added to the Retailer File and the Product Sales File for the POS invoice run print on the EOD Detail Sales Listing under Consignment Credits.

POS Returns Overview

Code E220 uses the POS sales in the POS File to create returns to be posted to the Bulk and O/R Files for type 1, type 3 and type P POS accounts. The batch created in E220 is then processed through the returns system. No A/R is created for type 1 and type 3 POS accounts. A/R is created for type P POS accounts.

Retailer Setup

Use Code 500, More Data Fields, POS Sales to update the retailer and the chain master retailer with the POS type. All other non-POS retailers are an N. As new retailers are added to a POS chain, POS will be created and saved even if you do not update the POS Sales field for the individual retailer because the chain master retailer has that field updated.

For type 1 POS accounts, use Code E500 to update the field, Print Invoice/Create EDI, for the chain master number (99xxx) to an 'A' to allow A/R to be created without printing or archiving invoices when Code E205 runs.

All POS accounts print on the 375, 376 and 377 manifest reports. Code 857 - Create Tieline Invoicing Export will not process type 1 POS accounts from the tie number assigned in code 179 but from the tie number assigned in code E205. Codes 864 - Export Hastings/Best File and 865 - Create Acme Vendor Export File process records from the tie number assigned in code 179. Code 186 - Print Invoice Letters prints Consignment Invoice on the invoice letters for POS accounts.

Invoice Process

POS Type	Print Invoice Extensions	Create A/R	Update Consign Values (Debit)
1	N	N	Y
2	Y	Y	N
3	N	N	Y

POS Processing for POS Sales Type S/Save EDI = P

B&N - Chain 1 (Client 135)

Processing Overview

POS Sales type S POS/Save EDI P account invoices print with no extensions. When Code 179 is run to accept the invoice run, type S accounts are updated in the Bulk, O/R, Save EDI and the POS file. The consignment fields in the Retailer File and the Product Sales File are not updated with the invoice amount. DPS A/R and sales are created.

Code 173 (X144) reads the Code 321 fields, Old BN Chain and BN Change Date, to determine if a title/issue (this includes new store openings) splits off on a separate invoice. It looks at the invoice date in the Bulk File and compares it to the BN Change Date keyed in Code 321. The invoice date in the Bulk File is used to apply any price discounts set up in the Price Discount File.

Code 179 (X025) reads the Code 321 fields, Old BN Chain and BN Change Date, to update the Save EDI file for all titles/issues (this includes new store openings) with an original invoice date prior to the change date. The chain number keyed in the OLD BN Chain field in Code 321 is used to add the invoice data to the Save EDI file for all titles prior to the BN Change Date. This allows a separate EDI file to be sent using the old merchandiser number for the titles invoiced prior to the change date.

Code E221 is used to import the POS sales into the POS Hold File. A batch number is assigned from Code 321, UCS Option Screen, Last PO Batch Number. Batches can be added and/or updated with Code E222 and Code E227. To delete an entire batch use Code E229. Use code E225 to print data in the POS Hold File.

Code E205 creates and prints invoices using the next invoice number from Code 321 and the system date as the invoice date. These invoices can be sent to and deleted from the Spool File. The invoices do not print a shipper/hub ID, the box type prints as YZ and no extensions print. Code E205 reads the Code 321 fields, Old BN Chain and BN Change Date, to skip all titles/issues with an original invoice date prior to the change date and not create invoices or A/R. The invoice date from the Bulk File is used to apply any discounts set up in the Price Discount File. All titles/issues processed with no error in Code E205 update the POS File. All title/issues after the switchover date will print on the E205 invoice.

'Over Sale Qty' prints on the report as information only. No O/R or Bulk File updating takes place. The consignment quantity in the POS file is updated with the amount of the over sale. If the retailer has an O/R record for an oversale title/issue but no POS record, a POS record will be added using the O/R draw/reorder quantity as the consignment quantity. If the retailer does not have an O/R record for an oversale title/issue, a POS record will be added using the over sale quantity as the consignment quantity.

When the next EOD is run, these invoices will add to archiving. No DPS A/R or Sales is created. The X014 - A/R Transaction Batch Proof Register will print the retailer E205 invoice data with the comment 'No A/R Created' with a batch number of 10 + the month and day of the invoice date (MMDD). The Chain Summary will list the total invoice dollar amount for chain 99001. The consignment fields in the Retailer File and the Product Sales File are not updated with the E205 invoice amount. The Save EDI file is not updated with the E205 invoices.

Each time Code E205 is run, summary level invoice data is added to the BARNES-SUM file in the data directory. Code E250 creates the weekly BARNES-SUM file and puts it in the query directory to be sent to B&N.

Setup for B & N Switchover to POS

These updates cannot be done until the Friday that the first switchover POS invoice is run.

1. Use Code 321 to update the Old BN Chain field to 704 and key in the switchover date in the BN Change Date field. Master chain number 99704 has already been set up with Code 500.
2. Use Code E500 to update the 99704 chain number with the old merchandiser number stored in the vendor number field.
3. Use Code E500 to update the 99001 chain number with the new POS merchandiser number stored in the vendor number field.
4. Use Code E500 to update the 99001 chain number with "Y" for the field, Print Invoice/Create EDI.
5. Use Code 501 to mass update POS Sales to an "T" for all retailers in chain 1.
6. Use Code 501 to mass update Save EDI to a "P" for all retailers in chain 1.
7. Use Code 500 to update retailer 99001 for POS Sales to a "T" and Save EDI to a "P".

823 - Maintain Chain Cross Reference

This code creates the directories and the sub-directories for the chains to import POS sales.

To relate the POS import files to the chain they are for, there is a file called XREFCHN in the POS directory. Each line in this file contains three or more comma separated fields. The first field is the type of POS account, type 1, type 2 or type 3. Type 1, type 2, type S and type T POS accounts all use 2 as the field type. The second field is the directory name that is created in /u/data/mag/pos for the chain. The third field is the chain number. If more than one chain number is assigned to a chain, enter the chain numbers followed by a comma (e.g. type1, babbages,140,169). A full three digits has to be used for the chain number. So, for example, if you are setting up chain number 88, enter it in Code 823 as '088'. Use Selection 2 to create the chain directory for POS or to make changes to an existing chain.

823 - MAINTAIN CHAIN CROSS REFERENCE

- 1) CHANGE CHAIN CROSS REFERENCE FOR RTNS
 - 2) CHANGE CHAIN CROSS REFERENCE FOR POS
- ENTER SELECTION (1/2):

type1,babbage,140,169
type2,barnes,001

E221 - Import POS Batch

This code is used to import a POS File to the POS Hold File. The files are pulled from /u/dps/mag/data/pos/typeX/chain directory. The file names should be xxxxxxxx.yyy format and no more than 12 characters in length. You can enter P next to ALL FILES to process all files displayed or enter P by each file name to process individually. To display the file name and identify the chain and from whom received, press F4 at file name. There is an internal table that allows up 10,000 retailers to be processed. If that limit is exceeded, an error message will display and the file will not be processed.

A batch number is assigned to the import. Batch number is stored and assigned from Code 321, UCS Option screen, Last POS Batch Number. For Target, the invoice number (from the original 832 file in the N9 segment) is added to the POS Hold File. An Import POS Log report prints detailing the data that was added to the POS Hold File without error (retailer, store, retailer name, date, copies and amount). An Import POS Error Dump report prints detailing the data that was added with an error (store, retailer, UPC, sequence, title, issue, title name, copies, price, retail and error description - retailer not on file, title not on file, issue not on file, retail difference, price difference, UPC code not matched). UPC code not matched adds the title number as 0.

The type 1, type 2, type T (Target) and type S (for B & N) import file uses the format, Store Number (5), UPC (12), Issue (2), Qty (8-includes + sign), SaleDate (6), PollDate (6), Invoice Number (10-DPS only uses the right most 8). The dates are in year-month-day format.

The Import POS Error Dump automatically generates a csv file named E221errors.csv that is put into the /u/data/mag/queryX directory. If a file is already there with the same name, a letter a-z gets added to the file name. A maximum of 27 error .csv files can be in the query directory. An error message 'UNABLE TO CREATE CSV ERROR FILE' 'MUST REMOVE OLD E221 FILES FROM DISK' will display and end the code if the maximum number of files is reached.

To assign the year for the issue coming in, E221 reads the Bulk File for the issue as is. If the issue is found in the Bulk File, the issue year in the Bulk File is put into the POS Hold File year field. If the bulk record is not found, E221 then uses the system year and builds the bulk issue key with that and then tries to read the Bulk File again. If found, E221 uses the issue year like before. If not found, 1 is subtracted from the year and the process of reading the bulk is repeated. If at this point, no issue is found, E221 flags the field in the POS Hold File to tell the system that the issue is not valid.

All data can be displayed and updated with Code E222 - Add/Update POS Hold File.

E221 - IMPORT POS BATCH

ALL FILES: _ P=PROCESS D=DELETE S=SKIP
_000301.DAT

FILE 000301.DAT FOR CHAIN 140 BABBAGE'S HEADQUAR FROM TYPE1

E205 - Create POS Data

The code to post the POS batches is E205. If the screen displays the message 'Chain Not Setup in 321 for POS', contact DPS to set the chain POS flag.

You select option B for batch. You are prompted to Update POS File Batch Number and Chain. If you answer N, you only get the POS Audit Report. If you answer Y, you get the POS Audit Report. The POS File and the POS Flow File are updated. Uncorrected import errors will also be added to these files.

For Code E205, the retail, price, and cost come from the Bulk file and then any price discounts are applied to come up with what amounts to bill out. When Code 179 - Accept Invoice Run (X017) is run, the POS File retail, price and cost are updated from the Bulk File. No other codes update the POS File retail, price and cost. Code E221 uses the price and retail from the Bulk File and is loaded into the POSHOLD File. The POSHOLD File does not get updated with the E205 pricing.

'Over Sale Qty' prints on the report as information only. No O/R or Bulk File updating takes place. The consignment quantity in the POS file is updated with the amount of the over sale. If no POS data is found, the title/issue is added to the POS file and the consignment quantity is updated with the amount of the over sale. No O/R of Bulk File updating takes place.

Type 1 and type 3 retailers add/update the POS data, add to POS flow, create save billing data and create EDI. The next tie number is assigned for the type 1 retailers only and prints on the POS Audit Report. The grand total sold, grand total on hand, total extended retail and total extended price print at the end of the report. The save billing file is updated with the batch file date as the transaction date (release date) and the system date (date E205 is run) as the invoice date. The POS invoice dollars added to the Retailer File and the Product Sales File for the POS invoice run print on the next EOD Detail Sales Listing under Consignment Credits. When EOD is run, the A/R batch proof prints for Type 1 and 3 retailers and adds the A/R to the DPS A/R transaction and A/R sales files. The DPS batch number created starts with a 10 plus the invoice date month and day (10MMDD).

Type 2 retailers add/update the POS data and add to POS flow. No billing data is created since that was done when Code 179 - Accept Invoice Run was done.

Type S retailers add/update the POS data, add to POS flow and print invoices using the next invoice number from Code 321 and the system date as the invoice date. These invoices can be sent to and deleted from the Spool File. The invoices do not print a shipper/hub ID, the box type prints as YZ and no extensions print. When the next EOD is run, these invoices will add to archiving. No DPS A/R or Sales is created. The X014 - A/R Transaction Batch Proof Register will print the retailer E205 invoice data with the comment 'No A/R Created' with a batch number of 10 + the month and day of the invoice date (MMDD). The Chain Summary will list the total invoice dollar amount for chain 99001. The consignment fields in the Retailer File and the Product Sales File are not updated with the E205 invoice amount. The Save EDI file is not updated with the E205 invoices.

This code will read aged issues (6 digits). Run in non-update mode the first time, to verify that the aged issues are updating.

A tie number will be assigned and print on the E205 - Print POS Audit Report for retailers set up as POS Type = 1. The tie number for the POS Type 1 retailers will update the tie ship file and display a 'P' under the 'Orig' column when F4 is done in codes that display the tie ship file.

The program that assigns the invoice numbers in Code E205 will display the message "Record Lock Encountered On File Client. Press Enter to Retry" if Code 321 - Client Record Maintenance is open. Code 321 must be ended before E205 can continue.

There is an internal table that allows up 10,000 retailers to be processed. If that limit is exceeded, an error message will display and the file will not be processed.

E205 Process

POS Type	Create A/R	Update Consign Values (Credit)
1	Y	Y
2	N	N
3	Y	Y
S	N	N
T	Y	Y

B&N POS Detail Export File (Client 135)

When Code E205 is run for a B&N batch, the records that get written to the B&N summary file are written to a file export called BCHXXXXXXXXX (X's are the batch number). The export file gets put into the mag/query directory. The record length is 66 and the file is comma delimited.

Export File Layout

FIELD	POSITIONS	LENGTH	COMMENTS
Store	01 - 04	4	

Comma	05 - 05	1	
UPC*	06 - 17	12	NSF (1) + MFG (5) + ITEM (5) + CK Digit (1)
Comma	18 - 18	1	
Issue	19 - 20	2	
Comma	21 - 21	1	
Quantity	22 - 29	8	Signed Field (+/-) in col 22 + 7 digit quantity
Comma	30 - 30	1	
Tran Date	31 - 36	6	B&N Transaction Date (YYMMDD)
Comma	37 - 37	1	
Cover Price	38 - 44	7	DDDD.CC
Comma	45 - 45	1	
Issue Year	46 - 49	4	YYYY
Comma	50 - 50	1	
Vendor	51 - 57	7	Vendor number from Code E500
Comma	58 - 58	1	
Process Date	59 - 66	8	B&N Poll Date (YYYYMMDD)

*A zero suppressed UPC is sent expanded with the check digit.

E250 - Create B & N Summary File

When Code E205 - Create POS Data is run for chain 1 (B&N), the daily POS data is put into a file called BARNES-SUM in the /dps/mag/dataX directory. When the weekly file is to be run, use this code to create the weekly summary file to be sent to B&N. E250 will delete the BARNES-SUM file from the /dps/mag/dataX directory and create the BARNES-SUM-YYMMDDHHMM file and put it in the /dps/mag/queryX directory. If there is no BARNES-SUM file found in the /dps/mag/dataX directory, the screen will display the message "File Creation Failed Press Enter to End".

E250 - CREATE B & N SUMMARY FILE

YOU ARE ABOUT TO CREATE B&N SUM FILE

DO YOU WANT TO CONTINUE? N

POS - Returns Processing (B&N - Chain 1, Type S)

Code 800 checks the Save EDI flag for the P and the POS Sales for an S to post the returns to the Bulk and O/R files. The return variance percent in the Retailer File is checked for these POS accounts to determine how to create the A/R. The return type is automatically entered as a 6 and A/R description is automatically entered as a 3.

For POS returns posted with Code 800, the Code 830 transaction log prints ****From POS Process**** to the right of the POS account return detail. The total POS returns print on a separate line, Totals from POS Process in the final totals summary. All POS returns are included in the Final Totals Net Copies line.

When EOD is run, the returns will update DPS A/R, DPS Sales and Save EDI. The field, **Save Return EDI (Y/N)**, in Code E500 - Add/Update Retailer EDI Options is not checked for chain 1 that is set up as Save EDI Date = P, POS Type = S. Chain 1 returns will automatically post to the Save EDI file.

E220 - Post POS File Returns

This code reads the POS File to calculate returns for type 1, type 3 and type P POS retailers and posts them to the O/R and Bulk Files. For type POS type S returns are calculated to be posted to the POS file field, Scan Rtns. E220 is not used for type 2 POS retailers. This code has the ability to be restarted after an abnormal end of job. The restart record is updated to reflect the processing step and a message is displayed indicating the restart point.

The return quantity for each title/issue is calculated by subtracting the sold quantity posted with Code E205 from the original consignment quantity. If there is no Consignment Quantity in the POS File, this field is updated with the draw from the O/R file for the title/issue when Code E220 runs.

The program prompts for a chain number and process date. The chain's last process date from Code E500 displays. Enter a date to post returns for all titles/issues with an off-sale date equal to or less than the process date entered. The titles/issues are flagged as posted in the POS File (POS Post Flag = Y) and Code E500 is updated with the process date.

A POS Returns Log prints for the batch detailing batch number, retailer number, reference number, date (POS process date keyed), document number, store number, store name, copies added, A/R amount (which is always zero) and input copies for type 1, type 3 and type S POS accounts only. The POS return dollars added to the Retailer File and Product Sales File print on the EOD Detail Sales Listing under Consignment Credits for type 1 and type 3. Type P POS accounts print an A/R amount and the return dollars are not added to the Retailer File and Product Sales File as consignment credits.

The POS return batches are then handled just like a return batch imported with Code 817. These batches can be reviewed with 808 and are posted with Code 822. The POS return copies are posted to bulk and O/R for type 1 and type 3 POS accounts. For type S POS accounts, the POS return copies are posted to the POS File field, Scan Rtns. No A/R is generated for type 1, type 3 and type S POS accounts. For the type 1 and type 3 POS accounts, a credit memo prints for the title/issues updated including any rejected returns.

For type S POS accounts, the Code 830 transaction log prints ****POS Rtlr Scanned**** to the right of the POS account return detail. The return type is 7. The total POS returns print on a separate line, Totals for Scanned POS Rtlrs. The returns total is included in the Total Physical Copies and the No A/R Copies in the final totals summary.

If POS sales for a title/issue are added from Code E205 after Code E220 is run, the POS Post Flag is changed from Y to P. When Code E205 is run, if the POS Post Flag is Y, the quantity

sold from the Code E205 being run is added to POS Post Quantity. The POS Post Flag is changed to P.

When Code E220 is run, all titles/issues with a POS Post Flag of P, have the POS Sold Quantity and the POS Post Quantity added together. The POS Sold Quantity is updated with this number. The POS Post Quantity is set to zero. The POS Post Flag is changed to Y.

A POS Returns Log prints with the input copies as a negative (the amount in POS Post Quantity). The POS return dollars added to the Retailer File and Product Sales File print on the EOD Detail Sales Listing under Consignment Debits.

When posted with Code 822, returns in the O/R and Bulk Files for the titles/issues that had a POS Post Flag of P are reduced. If the bulk returns have already gone to an affidavit, the quantity prints on the 814 Affidavit Recap Report in Excessive Publisher Returns.

E220 Process

POS Type	Update Bulk and O/R	Create A/R	Update Consign Values (Credit)*	Code 800 - Post Update Consign to POS File (No A/R)	Update Consign Values
1	Y	N	Y	Y	N
3	Y	N	Y	Y	N
P	Y	Y	N	Y	N

*Chargebacks
(Debit)

POS Processing for POS Sales Type T/Save EDI = P

Target - Chain 88 (Client 135)

Processing Overview

Type T POS/Save EDI P account invoices print with no extensions. When Code 179 is run to accept the invoice run, type T accounts are updated in the Bulk, O/R and the POS file. The consignment fields in the Retailer File and the Product Sales File are updated with the invoice amount and print under Consignment Debits on the 179 - Detail Sales Listing. No A/R or sales is created.

Code E221 is used to import the POS sales into the POS Hold File. For Target, the invoice number (from the original 832 file in the N9 segment) is added to the POS Hold File. A batch number is assigned from Code 321, UCS Option Screen, Last PO Batch Number. Batches can be added and/or updated with Code E222 and Code E227. To delete an entire batch use Code E229. Use code E225 to print data in the POS Hold File.

Code E205 creates and prints invoices using the next invoice number from Code 321 and the system date as the invoice date. For Target, the invoice number from the POS Hold File is used and the system date becomes the invoice date. If for some reason, the POS Hold File does not have a number, the next invoice number from the Code 321 screen will be used. These invoices can be sent to and deleted from the Spool File. The invoice date from the Bulk File is used to apply any discounts set up in the Price Discount File. All titles/issues processed with no error in Code E205 update the POS File.

If the retailer has an O/R record for an oversale title/issue but no POS record, a POS record will be added using the POS sale quantity as the consignment quantity. If the retailer does not have an O/R record for an oversale title/issue, no POS record is added.

When the next EOD is run, these invoices will add to archiving, the DPS A/R will be updated and print on the X014 A/R Batch Proof Register with a batch number of 10 + the month and day of the invoice date (MMDD), DPS A/R sales will be updated and print on the Detail Sales Listings, the total invoice dollars will update the consignment fields in the Retailer File and print under Consignment Credits on the EOD Detail Sales Listing. The Save EDI file is not updated with the E205 invoices. The invoices do not print a shipper/hub ID, the box type prints as YZ and no extensions print.

852 POS Processing

HEB, Target, Eckerd Drugs, Walgreens, WalMart

Processing Overview

POS retailer invoices print with no extensions. When Code 179 is run to accept the invoice run, the POS retailers are updated in the bulk, O/R and the POS File. The invoice dollars added to the Retailer File and the Product Sales File for the invoice run print on the 179 - Detail Sales Listing under Consignment Debits. No A/R or sales is created. The POS File retail, price and cost are updated from the Bulk File. No other codes update the POS File retail, price and cost.

The chain generated 852 POS Data that is sent to the VAN is picked up by the central processing agency. The 852 data is imported into the central processing agency's RISC6000 where it is broken down into individual agency POS Files. These files are then FTP'd to each agency.

The individual agency then updates the POS Hold File with the 852 data FTP'd from the central processing agency.

Code E203 is used to import the 852 file into the POS Hold File. For Target only, the invoice number in the N9 segment is added to the POS Hold File. If for some reason, that segment does not have a number, the next invoice number from the Code 321 screen will be used. A batch number is assigned from Code 321, POS Option Screen, Last PO Batch Number. Batches can be added and/or updated with Code E222 and Code E227. To delete an entire batch use Code E229. Use code E225 to print data in the POS Hold File.

The POS File received from Eckerd does not get processed with Code E203. The file is processed with Code E205. The ISA08 receiver ID in code E500 for the Eckerd chain master number needs to be 6131190008 for E205 to process the file. The file name has to be EDI852 and gets put in the /u/dps/mag/import/pos directory.

Code E205 posts the imported batches to the POS File and prints invoices. The POS File is updated with the amount sold. The next EOD prints the A/R batch proof for the invoice transactions created in E205 and updates A/R, A/R Sales and archiving. The consignment retail, price and cost fields in the Retailer and Product Sales File are updated with the invoice totals and print under Consignment Credits on the EOD Detail Sales Listing. The batch number assigned to E205 invoice transactions is 10MMDD (MMDD = invoice date month and day).

Code E220 uses the POS sales in the POS File to create returns to be posted to the POS File. No A/R is created for these returns.

Central Processing Agency

Agency Store Data

For the central processing agency to breakout the 852 data received from the chain, an agency store table has to be built identifying each store in the chain, its servicing agency and a chain

number. For servicing agencies using the DPS system, this table is automatically built by importing each agency's Retailer File by specified chain via FTP (Code EFTP and Code E236). After the initial load, Retailer Files imports can be scheduled to update any new stores. If the servicing agency is a non-DPS system user, the agency store table has to be updated manually using Code E235.

EFTP - Add/Update FTP Parameters

This code is used to enter and maintain the FTP parameters for DPS system servicing agencies. Code E236 - Agency Store/Chain Update uses this file to automatically retrieve the servicing agencies' Retailer Files to update the agency store table. Press F4 at client number to display the client numbers and codes currently set up.

EFTP - ADD/UPDATE FTP PARAMETERS

CLIENT NBR :
 DPS CODE :
 MACHINE ID :
 LOGIN ID :
 PASSWORD :
 DELETE (N/Y) :

Client Nbr Enter the number assigned by DPS to identify the servicing agency.
DPS Code Enter the DPS code (i.e. E236) that will be using the FTP parameters.
Machine ID Enter the machine name assigned by DPS to identify the servicing agency. If the central processing agency is also a servicing agency enter the machine ID as 'local'.
Login ID Enter the login to be used by the FTP process to access the servicing agency machine. If 'local' was entered for the Machine ID, enter 'local' as the Login ID.
Password Enter the login password to be used by the FTP process to access the servicing agency machine. If 'local' was entered for the Machine ID, enter 'local' as the Password.

Update Store Data

When the 852 data file is imported into the system with Code E202, it reads a store table to breakout the stores and create a POS File by servicing agency. This table, identifying each store in the chain and its servicing agency, can be automatically or manually created.

If the servicing agency is a DPS system user, Code EFTP and Code E236 can be used to automatically add and update store data. To manually update a DPS servicing agency, use Code E235 to enter the store data.

E236 - Agency Store/Chain Update

This code is used to retrieve the DPS servicing agencies' Retailer Files to update the central processing agency's store table. The code uses FTP and the FTP parameters set up with Code

EFTP to retrieve and process the Retailer Files for all or specified sites. When the FTP process completes, an audit listing of records added, records skipped or files not processed prints.

E236 - AGENCY STORE/CHAIN UPDATE

CLIENT NBR : ALL

CHAIN NBR :

E236 - AGENCY STORE/CHAIN AUDIT REPORT FOR The Client Name MM/DD/YY PAGE X

CLIENT	STORE	CHAIN	MESSAGE
xxx	6	32	STORE AND CHAIN NUMBER ADDED FOR THIS CLIENT
xxx	7	32	STORE AND CHAIN NUMBER EXIST FOR CLIENT yyy - RECORD NOT ADDED
yyy	15	32	STORE AND CHAIN NUMBER EXIST FOR CLIENT yyy - RECORD NOT ADDED
yyy	0	32	RETAILER RECORD HAS ZERO STORE - SKIPPED
zzz	0		RETAILER FILE NOT FOUND FOR THIS CLIENT - SKIPPED

E236 Messages and Action to be Taken (using the above as an example)

Message: Store and Chain Number Added for This Client - the client/store/chain data added to the E235 table successfully.

Action: None

Message: Store and Chain Number Exist for Client yyy - Record Not Added - the store/chain data for client xxx is already on the E235 table for client yyy.

Action: If the client/store/chain in the E235 table is correct, do nothing. If the store/chain has switched servicing agencies, use Code E235 to delete the store/chain from client yyy and add with client xxx.

Message: Store and Chain Number Exist for Client yyy - Record Not Added - the store/chain data for client yyy is already on the E235 table for client yyy.

Action: None if the Retailer File is being retrieved for update. Only new stores are added after the initial load. However, make sure that the store number is not on the servicing agency's Retailer File under multiple retailer numbers. This will cause the POS data to be under or overstated for the retailers since only one retailer number will be used to post the store data.

Message: Retailer Record has Zero Store - Skipped - The store number for a retailer on the yyy Retailer File is zero. Store number zero is not valid for addition to the E235 table.

Action: Review and verify all store numbers for the servicing agency's Retailer File.

Message: Retailer File Not Found for This Client - Skipped - Client zzz was not found by the FTP process.

Action: Check the EFTP parameters set up for the client. Make any corrections to the parameters. Usually the machine ID or the login ID/password has been entered incorrectly.

E235 - Add/Update Agency Store Data

Enter the client number assigned to that agency by DPS. For non-DPS system users, enter a number to identify them. Then, enter the chain Store Number that goes with the servicing agent's client number.

Press F4 to display the client, store and chain numbers already on file. Store and chain number are validated against data already entered. If a store and chain number are already on file under one client number, the message 'Chain and Store Combo Exists' displays if the store and chain number are being entered with a different client number. If a store changes servicing agency, delete the old client number and then enter the store with the new client number.

E202 - Create Agency POS Files

This code reads a file with the chain's 852 POS data file named as EDI852 in the /u/dps/mag/data directory and separates the file by servicing agency using the table set up with Code E235. The individual agency files are put into the /u/dps/mag/export/pos directory. The export file is named EDI852.CCC, where CCC is the client number from the Code E235 table. Since the export file naming convention is always the same (EDI852.CCC), the export file needs to be FTP'd to the servicing agency before the next E202 is run to process another 852 file. If there is an EDI852.CCC file in the export directory, the next E202 run in update mode will overwrite the data.

You have the option to read the import file in a non-update mode and only print the POS Audit Report without creating any files. The audit report prints the date the file was created and the transaction set number. It then breaks down by each servicing agency detailing each UPC number, store number and quantity sold. The total quantity for each servicing agency prints at the end of their respective audit reports.

Any store number not found with a servicing agency in the E235 table or any other invalid data prints under client number 999. The E235 table can be updated with missing stores and/or the import file can be edited to correct any other invalid data. After corrections are made, run E202 in non-update mode to verify changes before running in update mode.

When E202 is run in update mode, the POS Audit Report prints and a file for each servicing agency is created and put into the /u/dps/mag/export/pos directory. The POS 852 data import file is deleted from the /u/dps/mag/data directory and saved in /u/dps/mag/cnsb/edisave. The export file is named EDI852.CCC, where CCC is the client number from the Code E235 table. If there is invalid POS data, a file named EDI852.999 is created and put into the export directory. This file can be edited to correct any invalid data and imported again with Code E202. The export file

EDI852.CCC is what gets FTP'd to the servicing agency and is put into the servicing agency's /u/dps/mag/import/pos directory.

CRON Setup - E202

Code E202 can be setup to run automatically with Q-Scheduler (CRON), and can also be setup, via Code EFTP, to automatically transmit the export file to the appropriate directory at the servicing agency.

1. Enter E202 at the DPS Main menu.
2. At the prompt 'Create Agency POS files (N/Y):', press the F8 function key.
3. The prompt 'RUN THIS PROGRAM AUTOMATICALLY (Y/N):' displays at the bottom of the screen. Key 'Y'.
4. The prompt will return to the E202 program, at the "Create Agency POS file (N/Y):" prompt. Key 'Y', or press enter at the 'Y'.
5. The printer selection prompt will display. Enter the printer number you want the report to print on when the program runs.
6. After you have entered these prompts, CRON is called and the following screen displays. The information is filled in to show you how you will enter the date when you set it up. Please see the Q - Scheduler section in the Mag manual for more information on CRON settings.

```

                                CRON - SETUP AUTO PROCESS
F  H  USER      PROGRAM      MINUTE  HOUR      DAY/MONTH  MONTH  DAY/WEEK
_  4  dps        E202          0_____ 23_____ *_____ *_____ 1-5_____
TERM=vt20 /u/dps/bin/cron.rc mag 4 EOD >/tmp/EOD.log 2>&1_____

```

7. Press the F9 function key to exit the CRON setup window. The message "E202 Will Run Automatically" will display.

E202 - Automatic File Transfer via CRON and EFTP

When Code E202 is run automatically via CRON, the program can transfer the export files to the appropriate servicing agency if Code EFTP is setup with the proper parameters.

Remote Machine EFTP setup example

CLIENT NBR : XXX - client number of the remote machine. This will be the same client number or numbers entered in the program E235.

DPS CODE : E202

MACHINE ID : Enter the IP Address of the remote machine or the 'host name' of the remote machine as defined in the 'hosts' table.

LOGIN ID : Enter a valid login id/password for the remote machine.
PASSWORD : Enter a valid login id/password for the remote machine.
FILE PATH : /u/dps/mag/import/pos
DELETE (N/Y) : N

Local Machine EFTP setup example

CLIENT NBR : XXX - client number of the local machine. **For E202, for the local machine setup, the only things that matter are the client number, DPS code, and the file path.
DPS CODE : E202
MACHINE ID : Enter 'local' or anything it doesn't really matter for E202
LOGIN ID : Enter 'local' or anything it doesn't really matter for E202
PASSWORD : Enter 'local' or anything it doesn't really matter for E202
FILE PATH : /u/dps/mag/import/pos
DELETE (N/Y) : N

Servicing Agency

Set Up for POS

321 - Client Record Maintenance Set Up for POS

Update the following screens and fields.

POS Options Screen

POS Batch Files = Y

Last POS Batch Number = 0 (zero)

500 - Add/Update Retailer Set Up for POS

Update the following fields for each retailer going to POS. When all retailers in the chain have changed to POS, update the Save EDI Data and POS Sales fields for the chain master retailer number. Then, as new retailers are added to the chain, POS will be created and saved even if you do not update the Save EDI Data and POS Sales fields for the individual retailer because the chain master retailer has those fields updated.

Save EDI Data = P (Retailers flagged with “P” for “Save EDI Data” will not generate a record to the Unsigned Invoice file.)

POS Sales = T (This allows Code 800 to post returns to the O/R and Bulk files and Code E220 to post returns to the POS File.)

E500 - Add/Update Retailer EDI Options

Update the chain master retailer that has POS stores.

POS Mult Batches (Y/N) - determines whether or not 'bad records' will be split into a separate batch to be researched and corrected before posting the batch with Code E205 (HEB = Y, Eckerd = N). Y creates two separate batches. N creates one batch. Code E205 will process all E203 errors except 'store not found'. 'Title not found' records will not update the POS File. Thus, no POS sale is recorded. If any of the 'title not found' records appear to be magazine UPC's, these would need to be researched and corrected by the retailer.

Use 852 POS Prices (Y/N) - determines if the bulk issue price or the 852 CTP segment price is used (HEB = N, Eckerd = Y). Y uses the 852 price. N uses the bulk issue price. 'Title/issue not founds' always use the price from the 852 CTP segment.

Print Invoice/Create EDI (N/Y/A) - If 'Y' then invoices print and EDI is created when E205 is run. If 'A', invoices print and archive. A/R is created. No EDI is created.

POS EDI Invc (N/Y) - This indicates if the invoice number in the N9 segment of the

Target file from VIALINK is added to the POS Hold File to be used for billing

Chain Recap Setup

	HEB	Target	Walgreens	WalMart
Code 500 - Save EDI Data	P	P	P	P
Code 500 - POS Type	T	T	T	T
Code E500 - Print Invoice/Create EDI	N	Y	A	A
Code E500 Save Return EDI	N	Y	Y	Y
Code E500 - Post Date Flag	N	N	Y	Y
Code E500 - Use GLN Numbers	N	N	N	Y
Code E500 - Invoice Number Create	S	S	D	D
Code E500 - POS EDI Invc	N	Y	N	N

UPC's for Books

In order to use the Book UPC code in the POS File and post the correct price, the agency title file, Bulk File and magazine UPC file cannot have any UPC numbers entered for the book O/R distribution numbers. These files must be updated prior to posting the chain POS File.

Deleting Book O/R Number UPC's

1. Use Code 700 to update the UPC number to zero for all frequency 0, 8 and B titles.
2. Use Code 401 to mass update the UPC Nbr to zero for all frequency 0, 8 and B titles.
3. Have all terminals at the main menu or logged off the system. Key UPCT - Create New UPC Index at the main menu. The screen displays 'Are You Ready (Y/N)'. Key N to end the code. The default is Y, so to continue, press the enter key. The screen displays 'Get UPC's from Bulk File Too (Y?N)'. The default is Y, so to continue, press the enter key.

E245 - POS Days File Maintenance

This code is used to set up the number of days to subtract from the invoice date or late delivery date to calculate what issue to post the POS sale to for weekly titles when the pre-weekend delivery flag is set (split flag = E).

For the table to be used the retailer has to have the pre-weekend delivery split flag in the O/R file set to E for the title. The table is set up by route number and the number of days to subtract. The Retailer File is read for the route number. If no route entry is found in the table, the default using the bulk invoice date minus 3 will be used.

E245 - POSDAYS FILE MAINTENANCE

ROUTE :
 DAYS :
 DELETE? (Y/N) : N

E203 - Create POS Hold File

This code is used to import the 852 POS File data into the POS Hold File. The 852 file is pulled from the /u/dps/mag/import/pos directory and is named EDI852.CCC where CCC is the client number. When the import is complete, the EDI852.CCC file is deleted from the /u/dps/mag/import/pos directory and put into the /u/dps/mag/cnsb/edisave directory.

Before you run E203, you do need to check the date in the 852 ZA record. It should be CCYYMMDD (20010917). If the date is not in this format, the issue determination for that file will be incorrect.

The imported file is assigned a batch number. If there are errors in the file, these error records are added to the POS hold file with a separate batch number if POS Mult Batch in Code E500 is a Y. If POS Mult Batch is an N, error records go in the same batch as good records. Batch number is stored and assigned from Code 321, POS Options screen, Last POS Batch Number. The retail, price and issue year fields from the Bulk file are used when adding the data to the POS Hold file if the Use POS Prices in Code E500 is a N. If Use POS Prices is a Y, the price comes from the 852 file.

An 852 POS Audit Report prints detailing the batch number for the good records added and the batch number for the bad records added to the POS Hold File. The total quantity prints for each batch. The report heading prints the date sold and the EDI control number from the ISA control header from the 852 POS File. The bad records print detailing the retailer, store, UPC Mfg, UPC Item, title, issue year, issue and error .

Error codes and descriptions are as follows:

- 1 = Bad Input File
- 2 = UPC Code Not Found (UPC code not found adds the title number as 0.)
- 3 = Title Not Found
- 4 = Store # Not Found for XXXXX, where XXXXX = store number
- 5 = Issue Not Found
- 6 = O/R Issue Not Found
- 7 = No Book Master Found

E203 - Issue Number Determination - Magazines

The following is how the Code E203 logic assigns an issue number for magazines.

A DPS retailer number is assigned from the store number in the 852 file.

A title number is assigned by comparing the UPC number in the 852 file to the UPC Index File (Code 715). If the UPC is not found in the magazine UPC index, the UPC Mfg will be used to read the UPC index for the Book Master file. If any match is made, then this is a UPC number for a paperback book. The price from the UPC Item will be used as the retail. The price will come from the CTP segment in the 852 file.

If the store or UPC are not found, then an error prints on the E203 852 POS Audit Report and the next item is processed.

The O/R file is read to get what issue numbers are in the system for the title. This would be similar to doing a code 235 and seeing what the current issues are. The code starts with the most current issue in the file. This would be the last issue number distributed.

If the title is a frequency 5 (weekly), the O/R record for the retailer is read to see if the pre-weekend delivery flag is set (split flag = E).

The Bulk file is then read for the issue. If the invoice date is 0, then this means the issue has not been distributed yet. The code then goes back and gets the next oldest issue to try. This should not happen but the check is here.

After the date check has been done in the Bulk File, the UPC number in the Bulk File will be compared to the UPC in the 852 file and if they don't match, another issue number is checked to make a match. If all the issues in the O/R file are checked and no UPC match is made in the Bulk File, the oldest issue on the O/R file is used.

If a title/issue is delivered early or late, Code 400 is used to enter the changed delivery date in the Late Delivery Date field. Then, in codes E203 and E205, if this Late Delivery Date field has a date, it will be used instead of the Bulk File invoice date. If there is no date in this field, codes E203 and E205 will use the Bulk File invoice date.

If the retailer is a pre-weekend delivery (split flag = E), a work date field is computed using the bulk invoice date with the number of days set for the retailer's route number in the E245 table. If no route entry is found, the work date field will use the bulk invoice date minus 3. If the retailer is not a pre-weekend delivery, the bulk invoice date is put into the work date field.

If the work date field is not greater than the date sold (from the 852 file), that issue number is used. If not, then the next oldest issue back is tried and the compare is done again until an issue number is found or there are no more issues to look for.

E203 - Issue Number Determination - Books

For any 852 records that have the book 978 number, we will assume that the UPC Mfg item is in the POS File without the check digit. The check digit will be calculated to read the Book Master file to get the book name and use the price from the 852 record. From the 852 price, the book

retail is calculated using the retailer's book discount percent. The book O/R number will be used just to print a title/issue on the invoice.

If a UPC is not found in the magazine UPC index, the UPC Mfg will be used to read the UPC index for the Book Master file. If any match is made, then this is a UPC number for a paperback book. The book O/R number will be used just to print a name/title/issue on the invoice. The price from the UPC Item will be used as the retail. The price will come from the CTP segment in the 852 file.

If the CTP segment has something other than CTP, the code assumes that the retail is being sent and calculates the retailer price using the retailer's book discount percent.

CRON Setup - E203

Code E203 can be setup to run automatically via Q- Scheduler (CRON). When you are setting up E202/E203 to run automatically via CRON, make sure you set E203 to run at least 30 minutes later than when you have scheduled E202 to run. This is to allow enough time to for the file transfer to complete.

1. Enter E203 at the DPS Main menu.
2. At the prompt 'Continue With Update (N/Y)?', press the F8 function key.
3. The prompt 'RUN THIS PROGRAM AUTOMATICALLY (Y/N):' displays at the bottom of the screen. Key 'Y'.
4. The prompt will return to the E203 program, at the 'Continue With Update (N/Y)?' prompt. Key 'Y', or press enter at the 'Y'.
5. The printer selection prompt will display. Enter the printer number you want the report to print on when the program runs.
6. After you have entered these prompts, CRON is called and the following screen displays. The information is filled in to show you how you will enter the date when you set it up. Please see the Q - Scheduler section in the Mag manual for more information on CRON settings.

```

                                CRON - SETUP AUTO PROCESS
F  H  USER   PROGRAM   MINUTE  HOUR   DAY/MONTH  MONTH  DAY/WEEK
_  4  dps     E202      0_____ 23_____ *_____ *_____ 1-5_____
TERM=vt20  /u/dps/bin/cron.rc  mag 4 EOD >/tmp/EOD.log 2>&1_____

```

7. Press the F9 function key to exit the CRON setup window. The message "E202 Will Run Automatically" will display.

E205 - Create POS Data (Batch)

Code E205 posts the imported batches in the POS Hold File to the POS File and prints invoices. If the screen displays the message 'Chain Not Setup in 321 for POS', contact DPS to set the chain POS flag.

The date sold from the POS File becomes the invoice date. For Target, the invoice number from the POS Hold File is used and the system date becomes the invoice date. The POS File is updated with the amount sold.

If there is no consignment record found for the retailer/title/issue, that title/issue is added to the POS File for the retailer using the draw/reorder from the O/R file as the consignment quantity. The message 'POS Data Not Found' prints below and to the right of the title/issue on the E205 POS audit report.

If the POS sale exceeds the consignment quantity, the message 'Over Sale Qty' prints below and to the right of the title/issue on the E205 POS audit report as information only. The consignment quantity in the POS file is not updated with the amount of the over sale.

All E203 error codes except 'store not found' process and print on the E205 invoice. 'Title not found' records print the price from the 852 file with no retail.

'Title Not Found' and "No O/R Retailer" records do not update the POS File.

The next EOD prints the A/R batch proof for the invoice transactions created in E205 and updates A/R, A/R Sales and archiving. The invoice dollars added to the Retailer File and Product Sales File for the POS invoice run print on the EOD Detail Sales Listing under Consignment Credits. The batch number created starts with a 10 plus the invoice date month and day (10MMDD).

Select B for batch. You are prompted to Update POS File. If you answer N, you only get the POS Audit Report. No updating takes place and no invoices print. You can review the report and correct any errors with code E222 or E227.

If you answer Y to Update POS File, the screen displays Batch Nbr. Enter the batch number to be processed. You can press F4 to display the batch numbers in the POS Hold File. After batch number is entered, Chain displays. Enter the chain number for the batch number to be processed. The screen displays the prompts to print the invoices.

The program that assigns the invoice numbers in Code E205 will display the message "Record Lock Encountered On File Client. Press Enter to Retry" if Code 321 - Client Record Maintenance is open. Code 321 must be ended before E205 can continue.

There is an internal table that allows up 10,000 retailers to be processed. If that limit is exceeded, an error message will display and the file will not be processed.

Post Date

E205 will check the field, Post Date Flag, in Code E500. If set to a Y, the prompt 'Enter the Post Date' will display after the chain number is entered. If the date keyed is not a Monday date, the screen will display 'Date Non Monday, Continue? (Y/N)'. Key N to go back to the Post Date prompt and enter the correct date. Key Y to use the date that was entered. The date entered will be used as the invoice date for each store being posted. Each store will generate one invoice for the week's POS sales. The invoice number is determined by checking the Code E500 field, Invoice Number Create. This must be set to a D to create the invoice number by using store number + date sold (month and day plus the last digit of the year). The date sold will be the date entered at the Post Date prompt. Code E205 will print invoices and the E205 - Print POS Audit Report. When EOD is run, the A/R and Sales Files will be updated and the invoices will archive.

Eckerd - POS File Import and Processing

The POS File received from Eckerd does not get processed with Code E203. The file is processed with Code E205. The ISA08 receiver ID in code E500 for the Eckerd chain master number needs to be 6131190008. The file name has to be EDI852 and gets put in the /u/dps/mag/import/edi directory.

Enter code E205 and select 'P' for POS File. Then select the valid POS type, 'E' for Eckerd. You are prompted to Update POS File. If you answer N, you only get the POS Audit Report. If you answer Y, the POS File is updated and the POS Audit Report prints. Enter the chain number for Eckerd.

If no consignment quantity is found in the POS File for the title/issue, the POS Audit Report prints 'POS Data Not Found' 'Over Sale Qty'. The title/issue is added to the POS File with no consignment quantity. The POS quantity is posted to the POS Post Quantity and the Status flag is set to P.

The next EOD prints the A/R batch proof for the invoice transactions created in E205 and updates A/R, A/R Sales and archiving. The batch number created starts with a 10 plus the invoice date month and day (10MMDD). The consignment retail, price and cost fields in the retailer and Product Sales File are updated with the invoice totals and print under Consignment Credits on the EOD Detail Sales Listing.

Southwest Concessions - POS File Import and Processing

Southwest Concessions passes back a CSV type file to the DPS system.

Southwest Concessions CSV layout:

TaxID, Dealer number, UPC, Retail, Cost, Title Description, Quantity Sold, sale date, reference number (date + store number), store number

Setup/processing Southwest Concessions POS

1. Code 500 - POS Sales = 4
2. Code 823 - Maintain Chain Cross Reference - Option 2 Change Chain Cross Reference - "type4, southwest, chain number"
3. Code E221 - Import POS Batch, this program is used to post the incoming file to the POS Hold file.
4. Code E205 - Create POS Data, is used to post the batch created with E221 and print invoices.

POS - Returns Processing for HEB and Eckerd Drugs

To setup POS accounts for scanning, use Code 500 - Retailer Add/Update to update Save EDI Data to a P. Go to the More Data Fields screen and update POS Sales to a T. When all retailers in the chain have changed to POS, update the Save EDI Data and POS Sales fields for the chain master retailer number. Then, as new retailers are added to the chain, POS will be created and saved even if you do not update the Save EDI Data and POS Sales fields for the individual retailer because the chain master retailer has those fields updated.

Code 800 checks the Save EDI flag for the P and the POS Sales for a T to post the returns to the bulk and O/R files. The return variance for these POS accounts is automatically changed to 98 in Code 800 so that no A/R or sales are created. The return type is automatically entered as a 6 and A/R description is automatically entered as a 3.

For POS returns posted with Code 800, the transaction log prints ****From POS Process**** to the right of the POS account return detail. The total POS returns print on a separate line, Totals from POS Process in the final totals summary. In addition, since no A/R is created for the POS retailers, the total POS returns are included in the No A/R Copies totals. All POS returns are included in the Final Totals Net Copies line. The credit memo will print with no A/R amount. The consignment retail, price and cost fields in the retailer and Product Sales File are updated with the return credits and print under Consignment Credits on the EOD Detail Sales Listing when EOD is run.

For POS returns posted to the ScanRtns field in the POS File with Code E220, the transaction log prints ****POS Rtlr Scanned**** to the right of the POS account return detail. The total POS returns print on a separate line, Totals for Scanned POS Rtlrs in the final totals summary and are not included in the final totals for 'Net Copies'. In addition, since no A/R is created for the POS retailers, the total POS returns are included in the No A/R Copies totals. No credit memo prints.

POS Return Processing by National Distributor

Processing Overview

For POS retailers set up as POS Type = T and Save EDI = P, you have the option to post returns created by running Code E220 - Post POS File Returns by National Distributor (Draw minus POS Sale) instead of doing Code 800. This allows returns for other National Distributors to be processed using Code 800.

The returns created from Code E220 for any National Distributor set up with this option post to the O/R and Bulk Files. The returns created from Code E220 for any National Distributor not set up with this option do not post to the O/R and Bulk Files but do update the POS field, ScanRtns, with the return quantity calculated from Code E220 (Draw minus POS Sale).

If a National Distributor is set up with the option to post returns from E220 and does have returns keyed/scanned in Code 800, the returns do not update the O/R and Bulk Files but do update the POS field, ScanRtns, with the Code 800 return quantity.

Setup

Use Code 350 - Add/Update National Distributor to update the field, E220 POS Post Flag, on the More Data Screen to a 'Y'.

E220 - Post POS File Returns

This code reads the POS File to calculate returns for the POS chain. The return quantity for each title/issue is calculated by subtracting the POS Sold Quantity posted with Code E205 from the Consignment Quantity (updated by Code 179 - Accept Invoice Run). This code has the ability to be restarted after an abnormal end of job. The restart record is updated to reflect the processing step and a message is displayed indicating the restart point.

The program prompts for a chain number and process date. The chain's last process date from E500 will display. Enter a date to post returns for all titles/issues with an off-sale date equal to or less than the process date entered. If the date entered is greater than the system date, the screen displays "Date is Past Today - Continue? (N/Y). The default is N. If the date entered is correct, key Y to continue. If the date entered is not correct, key N to return to POS Process Date. The titles/issues are flagged as posted in the POS File (POS Post Flag = Y) and E500 is updated with the process date.

You can have 3 batch numbers created when E220 runs. The first is for titles/issues for any National Distributor set up in Code 350 to use E220 to post returns to the O/R and Bulk Files. The second is for titles/issue for all other National Distributors. The third is for any titles/issues that create a chargeback due to additional POS sales after the title/issue is off sale or for POS sales that exceed consignment quantity.

A POS Returns Log prints for each batch detailing retailer number, reference number, date, document number, store number, store name, copies processed, A/R amount (which is always zero), rejected copies, A/R amount and input copies. The chargeback batch will print an asterisk

(*) next to input copies that were not processed due to consignment quantity being zero or the POS sale being greater than the consignment quantity.

The POS return batches are then handled just like a return batch imported with Code 817. These batches can be printed with Code 812 for review and are posted with Code 822. The POS return copies are posted to O/R and Bulk Files for any National Distributor set up in Code 350 to use E220 to post returns. The POS return copies for all other National Distributors are posted to the ScanRtns field in the POS file.

When Code 830 - Print Credit Memos is run, the 838 - Return Transaction Log prints *From POS Process* for the retailers that had titles/issues post to the O/R and Bulk Files for National Distributors set up in Code 350 to use E220 to post returns. For all other National Distributors' titles/issues, the report prints *POS Retailer Scanned* to indicate that the returns updated the POS File field, ScanRtns. On the final totals page, E220 copies that post to the O/R and Bulk are listed under 'Totals From POS Process' and are included in the final totals for 'Net Copies. The E220 copies that post to the POS File field, ScanRtns, are listed under 'Totals for Scanned POS Rtlrs' and are not included in the final totals for 'Net Copies'.

No A/R is generated. A credit memo prints only for the NDs' titles/issues set up to use E220 to post returns to the O/R and Bulk Files.

The POS return dollars added to the Retailer File and Product Sales File print on the EOD Detail Sales Listing under Consignment Credits.

E220 - POST POS FILE RETURNS

CHAIN:

POS PROCESS DATE:

DATE IS PAST TODAY - CONTINUE? (N/Y) : N

If POS sales for a title/issue are added from Code E205 after Code E220 is run, the POS Post Flag is changed from Y to P.

When Code E205 is run, if the POS Post Flag is Y, the quantity sold from the Code E205 being run is added to POS Post Quantity. The POS Post Flag is changed to P.

When Code E220 is run, all titles/issues with a POS Post Flag of P, have the POS Sold Quantity and the POS Post Quantity added together. The POS Sold Quantity is updated with this number. The POS Post Quantity is set to zero. The POS Post Flag is changed to Y.

Returns in the O/R and Bulk Files for the titles/issues that had a POS Post Flag of P are reduced by the amount in POS Post Quantity. If the bulk returns have already gone to an affidavit, the quantity prints on the 814 Affidavit Recap Report in Excessive Publisher Returns or a chargeback affidavit will print if using that option.

POS File Flag	E220 Status	E205 Action
N	This means that Code E220 has not been run on the title/issue yet.	If the flag is a N, the quantity sold gets added to the sold quantity.
Y	This means that Code E220 has been run on the title, issue.	If the flag is a Y, the flag gets set to a P and the quantity sold gets added to the post quantity.
P	This means that Code E220 has been run on the title, issue and then E205 has posted a quantity sold.	If the flag is a P, the quantity sold gets added to the post quantity.

POS Reports

E206 - Report POS Data

This program compares the retailer's POS File to the Order Regulation File and prints a report showing draw, reorder, return and net sale information from the O/R file and the POS net sale from the POS File. The POS Sold is the sum of the POS quantity and the POS post quantity. The report computes the shrinkage that reflects the difference between what your records show versus the retailer's POS records. The report automatically sorts by title within store number and prints the invoice date and off sale date for each issue.

The report default is to print the O/R data. You have the option to not read the O/R file to get the draw, reorder and return numbers (use select #10 - from-to range = N to N). The POS File will be used. The draw will be the POS consignment quantity (reorder = 0). The return quantity will be the POS consignment quantity - POS sold.

Select Options:

- | | |
|--------------------------|---------------------|
| 1 - RETAILER | 2 - STORE |
| 3 - TITLE | 4 - UPC NBR |
| 5 - ISSUE | 6 - CONSIGN QTY |
| 7 - SOLD QTY | 8 - EXPECTED RETURN |
| 9 - PRINT O/R DATA (Y/N) | 10 - CHAIN |
| 11 - STATUS FLAG | 12 - SHRINK |
| 13 - INVOICE DATE | 14 - OFF SALE DATE |

E213 - POS Consignment Report

This report prints consignment data from the POS file. The report details the title, issue, title name, invoice date, off sale date, chain number, store number, draw, reorder, return, POS sold (includes post quantity), net sale, consign quantity, retail, cost and consign cost. Draw, reorder and returns come from the O/R file. POS is the POS sold (includes post quantity) from the POS file. Net sale is from the O/R file (draw + reorders - returns). Consign quantity is draw + reorders - returns - POS.

Select Options:

- | | |
|--------------------------|---------------------|
| 1 - RETAILER | 2 - STORE |
| 3 - TITLE | 4 - UPC NBR |
| 5 - ISSUE | 6 - CONSIGN QTY |
| 7 - SOLD QTY | 8 - EXPECTED RETURN |
| 9 - PRINT O/R DATA (Y/N) | 10 - CHAIN |
| 11 - STATUS FLAG | 12 - SHRINK |

E218 - POS Shrink Report

The POS Shrink Report prints the calculated POS returns in the POS File (from Code E220) and the scanned returns posted to O/R (from Code 800) to determine the shrink. The report prints 'POS Test' in the report heading to indicate that the POS account is a POS Sale = T. If 'POS Test' is in the heading, shrinkage is affecting the wholesaler.

There are three parts to the report.

Sales

Within this heading are three sub-headings:

Sold Qty - POS Sales posted from Code E205.

CnSgn Qty - This is the POS Consignment Quantity.

O/R Draw - This is the O/R Draw plus any O/R Reorders.

DIFF - the difference between CnSgn Qty and O/R Draw, if any.

Expected Returns

Within this heading are three sub-headings:

POS - This is the POS Consignment Quantity minus any POS Sold (generated from E205).

O/R - These are O/R Returns.

DIFF - the difference between the two, if any.

Scanned Returns

Within this heading are three sub-headings:

Calcd POS - These are returns by POS retailers from E220.

Scanned - These are O/R returns from Code 800.

Shrink - The difference between the two. If the number is a negative, the retailer returned fewer copies than the agency expected. If the number is positive, the retailer returned more copies than the agency expected. You are always striving for zero.

E223 - POS Flow Report

This report prints data from the POS Flow File. The screen prompts for title, issue and chain. Enter an issue number to just print that issue or key zero (0) to print all issues for the title. You must key in a chain number. You cannot key 0 for all chains. The report prints bipad (title), issue (affidavit description, issue number and issue year), chain number and name, draw, number of retailers, week-end date (always Saturday date), POS quantity, cumulative sales and POS percent of sale.

E225 - POS Hold File Report

This report prints data from the POS Hold File. You can select and sort data to print by retailer, store, title, issue, off-sale, quantity, batch number, error codes, UPC Nbr, tran date, ISBN publ, ISBN title, invoice date, chain and issue year. If no sort is selected, the report default sort is by batch then sequence number. The report details batch, sequence number, retailer number and

name, UPC number, store, title, issue, transaction date, affidavit description, off-sale, qty, extended and Cd-Desc. Invalid issue error prints the Off-sale date as 0/00/00. Invalid title prints the title name as Title Not Found with Off-sale as 0/00/00. The issue number prints with the year to designate what issue the quantity will post to when Code E205 is run. Invalid St (store) prints the retailer number as 00000 and store number as 00.

E226 - POS Flow Inquiry

This inquiry displays POS flow data. This data can also be displayed with Code 412 - Bulk Inquiry. The total draw is the total O/R draw for the type 1, 2, P or T POS retailers in the chain.

E226 - POS FLOW INQUIRY

ISSUE YEAR :
 TITLE :
 ISSUE :
 CHAIN : TOTAL DRAW: % SALE:

DATE QUANTITY CUMULATIVE DATE QUANTITY CUMULATIVE

E228 - POS Inventory & Distribution Report

This report prints data from the POS File, O/R file and Bulk file to analyze POS inventory and distribution. The report can be selected to print by retailer, title, issue, national distributor, chain, class of trade, publisher and year. The exclude feature allows a specific retailer, title, issue, publisher number to be skipped. To use, make your selection and press return at from/to data. The cursor will be in the exclude column. Enter the number to exclude. Screen parameters can be set for the selection entered. Issue prints issue year from the Bulk File plus the two digit issue code.

Parameter	Description
Store Inventory Level	Print net sale less than or equal to quantity entered. Default = 0. Net sale calculation P = calculate based on POS sales POS% Sale = POS/Draw (draw + reorders)
Include Only Sales Above	Print only if percent sold is greater than or equal to number entered. Default = 0. Percent Sold Calculation P = calculate based on POS sales POS% Sale = POS/Draw (draw + reorders)
Print Report Headings	Default = Y N = print headings on first page, no headings or page breaks after that.
Include Titles Offsale After	Default = no date Print titles only if the offsale date is after the date entered.
Active Dist Only	Default = N Y = print only if base in O/R file is >0.
Active Retailers Only	Default = N Y = print active retailers only

E253 - POS Flow/POS Compare Report

This report will print for the issue/chain keyed, all POS flow activity for all issue years on the POS flow file. The POS quantity will print for the issue/chain entered. If the POS flow total does not match the POS quantity, that could mean that some of the POS flow was posted to the wrong issue year. Listing all the POS flow activity by issue year will help in identifying bad POS flow records.

E254 - Compare POS to POSFlow

This report will compare the POS data to the POS Flow data for the title/chain/on sale date (Bulk File release date) entered. The E254 - Compare POS to POSFlow report will print any differences between the POS and POS Flow Files listing chain number, title number, issue number, issue year, POS quantity, POS Flow quantity and difference.

P274 - POS Retailer Unit Sales Analysis

This POS report lists the total units sold by title, projected annual sales and the current issue information for a retailer for an on sale date or off sale date period. The number of issues per year prints instead of the frequency code. The Projected Annual Retail calculation uses the frequency code not the number of issues per year. The report defaults to printing all titles with an O/R base (not distributed and no POS sales). To print only titles currently distributed, select the "Currently Distributed Only = Y" field on the Select Screen and enter Y in for From and To Data. To print only titles with POS sales, select the "POS Sales Only (Y)" field on the Select Screen and enter Y in for From and To Data.

You can also request the report in a chain summary format, which means it will list combined store totals for each title that the chain receives as a whole. The Class of Trade select option will work only if the report is selected in the chain summary format (when 99CCC is entered at retailer number).

For titles on a split invoice, an X will print next to the title number to indicate a regular split, an E indicates an extra split, and H indicates a hold split (1, 2, 3 or 4).

Enter each retailer that you want to print. You can request up to 15 retailers at one time to print. If you want to print a combined chain report, enter 99CCC (CCC = chain number). Press F9 after you have entered the all of the retailers that you want to appear on the report.

The number of issues that prints for the title is the number of issues that the retailer drew for the time period entered.

Under Avg Units, Dlr Draw equals draw (from Total Units Draw)/number of issues/number of dealers. POS Iss Sale equals POS sale (from Total Units POS Sale)/number of issues/number of dealers).

POS File Maintenance

E207 - Purge POS Data

This program drops old POS data from the POS File. Enter a date. The system will drop all records with a date less than or equal to the date entered.

In Code 321, Reorg Options, the field 'E207 Hold Days' can be set up to automatically purge data when Code 805 - Reorg Magazine Files is run. If you leave the field as a zero, E207 will not automatically run during the 805 - Reorg. If you set the field to any number not equal to zero, E207 will run during Reorg and drop any data with a 'Posted' date older than the number of days entered.

If the code is run from the main menu, the screen will display the number of records dropped.

This code has an internal table that allows up to 20,000 POS retailers. If that number is exceeded, the screen will display a message that the table has been exceeded.

Step	Enter	
	Code	E207
1	Date	Enter date

DATE: (Displays Drop Date Keyed)
 DATE RECORDS DROPPED :
 BULK RECORDS DROPPED :
 DEALER RECORDS DROPPED :
 TITLE RECORDS DROPPED :

E209 - Purge POS Hold Data

This program drops old POS data from the POS Hold File. Enter a date. The system drops all records with a transaction date less than the drop date keyed. Any records that have a bad month in the transaction date will be dropped.

In Code 321, Reorg Options, the field 'E209 Hold Days' can be set up to automatically purge data when Code 805 - Reorg Magazine Files is run. If you leave the field as a zero, E209 will not automatically run during the 805 - Reorg. If you set the field to any number not equal to zero, E209 will run during Reorg and drop any data with a transaction date older than the number of days entered.

E211 - Delete POS by Chain

This code deletes all POS data for the chain number entered from the POS Flow and POS File. You are prompted to select transactions for deletion with a date either equal to or less than the date keyed (B) or equal to or greater than the date keyed (A). The number of records deleted from the POS Flow and POS File displays on the screen.

E211 - DELETE POS BY CHAIN

CHAIN:

DATE:

DO YOU WANT TO DROP POS RECORDS

BEFORE OR AFTER THIS DATE? (B/A): A

ARE YOU SURE (Y/N)? :

E219 - Unflag POS Hold Data

If for any reason Code E205 does not finish and does not update the POS file but does flag the batch as processed, this code will now allow you to 'unflag' the batch data and run Code E205 again.

At the prompt 'Process Batch' enter the starting and ending batch number to be unposted. The number of POS Hold records updated displays on the screen. This number is the total number of records that were originally in the batch and were flagged as posted by E205. This total excludes any records that had a zero quantity or an error message that kept E205 from posting it. You can get the total number of records in the batch by sequence number with E225 - Print POS Hold Report.

E222 - Add/Update POS Hold File

This code adds and/or updates POS data in the POS Hold File. The Import POS Log and the Import POS Error Dump reports from Code E221 - Import POS Batch print what was added to the POS Hold File. You can use the Import POS Error Dump report or print the batch with Code E225 to edit bad data. Enter the batch number and sequence number from the report and the detail displays on the screen. For the import error, UPC code not matched, E222 displays the error code as Title Not Found. To correct, enter the title number and the program will then read the Bulk File for the title/issue and load the UPC number from the Bulk File into the POS Hold File. In addition, the issue year from the bulk issue will be loaded into the POS Hold File for any corrected 0 title records. The error code is set by checking the retailer (valid store number), then title, then bulk, then retail difference, and then price difference. This code reads the Bulk File for aged issues and adds them from the import. This is the DPS defined aged issue in the YYYYII format where YYYY = 2000, 1999, 1998, etc. and II = the issue number (e.g. 199950).

E222 - ADD/UPDATE POS HOLD FILE

```
BATCH NBR      :
SEQ NBR       :
RETAILER      :
TITLE         :
ISSUE         :
NAME          :
YEAR          :
REFER NBR     :
RETAIL        :
PRICE         :
QTY           :
```


backed out. The data is unposted from the POS Flow file by chain, title, issue and transaction date. The data is unposted from the POS File by retailer, title and issue.

The number of records deleted from the POS Hold file displays on the screen. Based on the options selected, the number of records updated in the POS and POS Flow files displays.

E229 - DELETE POS DATA BY BATCH

BATCH NBR :

ARE YOU SURE (Y/N) ?:

UNPOST FROM POS (N/Y) ?:

UNPOST FROM POS FLOW (N/Y) ?:

E231 - Mass Update for POS/Rtnflow File

This code allows you to change a specific title number and issue number in the POS File, POS Flow File and/or the returns flow file to a different title number and issue number. You can key up to 102 titles/issues (3 full screens). When a screen fills up, you automatically go to the next screen. Use F6 to page back to a previous screen to review what has been entered. Use F5 to come back to adding more data. F9 ends the code and prompts for the files to be updated. The number of records updated for each file displays on the screen.

E231 - MASS UPDATE FOR POS/RTNFLOW FILE

```

--- - OLD --- ---- NEW ---- ---- OLD ---- ---- NEW ----
TITLE   ISS TITLE   ISS   TITLE           ISS TITLE   ISS

```

E231 - MASS UPDATE FOR POS/RTNFLOW FILE

PROCESS POS FILE (Y/N):

PROCESS POS FLOW FILE (Y/N):

PROCESS RETURN FLOW FILE (Y/N):

E507 - Adjust POS Flow Data

This code allows you to move data in the POS Flow file from one issue/issue year to another.

E508 - ADJUST POS DATA

TITLE :

CURRENT ISSUE YEAR : _____

CURRENT ISSUE NBR : _____

NEW ISSUE YEAR : _____

NEW ISSUE NBR : _____

DATE:

MAKE CHANGES BEFORE OR AFTER DATE? (B/A)

E508 - Adjust POS Data

This code allows you to move POS sales from one issue/issue year to another. Mispostings usually occur due to a bad issue year or posting old POS data after an issue has aged and the next issue with the same number has been invoiced.. The issue number in the POS file is not aged until Reorg ages the Bulk File issue. Using this code on a timely basis is imperative since the last posted date in the POS file is updated by activity from Codes 165, 800 and E205. This could significantly change the results if multiple postings have occurred since the incorrect batch data was entered. In addition, all the data posted to the old issue year/issue is moved to the new issue year/issue. Then, the old issue year/issue is removed from the POS file.

E508 - ADJUST POS DATA

TITLE :

CURRENT ISSUE YEAR : _____

CURRENT ISSUE NBR : _____

NEW ISSUE YEAR : _____

NEW ISSUE NBR : _____

Create POS Data for Non-POS Retailer

If a POS retailer has been set up as a non-POS retailer, POS data can be created from either the Save EDI file or from a csv import file.

E505 - Create POS Data from Save EDI

This code creates POS data from the Save EDI file for a retailer or chain number entered. The date entered is the transaction date (invoice date) to be used. You are prompted to select transactions for process with a date either equal to or less than the date keyed or equal to or greater than the date keyed. The code reads the Save EDI file using the E112 date field to mark the record as processed. If the POS record is not found, it will add it. If there is already a POS record on file, it is updated with the copy amount from the Save EDI file. The copies from the Save EDI file get added to the POS consignment quantity. If there is already POS data in the POS File and that same data is in the Save EDI file, the record will be added to, which could result in making the consignment quantity incorrect. If the product number is equal to the Product Number field in Code 321, Special Company Options screen, the record is skipped.

If no POS Files from the customer (type 1 or type 2) have been posted or if the files have been posted but are still available for reposting (type 2 only), it is recommended that Code E211 be used to delete all POS data for the retailer or chain before running E505. Then, after E505 is run post the POS sales again.

E505 - CREATE POS DATA FROM SAVE EDI

REPROCESS FILE FOR THIS DATE? (Y/N) : N
 INVOICES/RETURNS/BOTH? (I/R/B) : I
 RETLR NBR: 00000 NAME ALL STORE NBR

DATE : __/__/__

CHAIN:
 PROCESS BEFORE OR AFTER DATE ? (B/A)

E506 - Create POS Data from Import File

This code creates POS data from an import file named POSIMPORT.CSV in the data directory. the file must contain retailer, title, issue draw and POS sold quantity. UPC, retail, and price are added from the Bulk File. Store number is added from the Retailer File. The system date goes into posted date. Data is flagged as posted and zero goes into all other fields. The sold field in the import file updates the POS record that is added. The POS File update is based on no returns posted in the O/R file.

RETAILER, TITLE, ISSUE, DRAW, POS SOLD QTY
 66405,1010,1,5,1
 66405,1017,1,5,1
 66405,1019,1,5,5

66405,1096,1,5,1

66405,1792,1,5,2

Add/Update Wal-Mart Stores

E511 - Create Wal-Mart Dealer

This code will import and update the Retailer File with additions and changes for Wal-Mart stores. Wal-Mart updates their store list weekly. The store list can be downloaded from the Wal-Mart web site and formatted into a .csv file. The file does have to be updated to remove any commas that Wal-Mart may have used in the listing before formatting into a .csv file. The file must be named as DEALER.CSV and put into the /u/dps/mag/import/pos directory.

When the file is imported, the Retailer File is updated with the store name, address 2, city, state, zip, phone number, store number, chain number, Duns number and Date Acct Opened. The chain number is updated from what is keyed for chain when E511 is run. The store number adds as the DPS retailer number. The Save EDI Data field is automatically set to a P. If the store is already on the DPS Retailer File, all the fields are validated and updated if they are different. A listing of what was read from the import file prints detailing the DPS retailer number, name, address 2, city, state, zip, phone number and store number.

E511 - CREATE WAL-MART DEALER

UPDATE DEALER FILES? (N/Y) Y
CHAIN:

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

E510 - Create Hold File from 852's

This code reads an 852 file named EDI852 in the /u/dps/mag/import/pos directory and adds the POS data to the POS Hold File. You have the option to validate the 852 file UPCs against the EMS UCT file before adding to the POS Hold File. When the POS Hold File is updated, an 852 POS Audit Report prints by 852 control number detailing any errors. At the end of the report, a line prints for each batch added to the POS Hold File detailing the number of good records added, the number of bad records added and the competitor records added. Good records are titles for ND numbers in Code 350 set up as Y for Ownership. Bad records are errors for title not found and/or retailer not found. Competitor records are titles for ND numbers in Code 350 set up as N for Ownership.

AUTOMATIC POS REORDERS

The DPS system can automatically generate reorders to maintain a predetermined stock level of a title at the store. This is based on the POS Sold quantity from the POS file and the retailer's original draw as recorded in the O/R file. This function is called during EOD.

If you are using the DPS VIP System, the auto POS reorders will print invoices but not update EDI, archive invoices or update the consignment fields in the retailer and sales files.

Setup

321 - POS Options - Create POS Reorders

This field must be set to 'Y' to use the automatic POS reorders function.

500 - More Data 2 - Minimum POS Reorder

This field controls the minimum dollar value (at the retailer's price) that must be reached before an automatic reorder is generated. Enter '\$0' to prevent the retailer from receiving any automatic reorders. Enter '\$.01' to allow any automatic reorder no matter how small. An entry of '\$20' will only allow an automatic reorder if the total at the retailer's price is greater than '\$20'.

500 - More Data 2 - Reorder Delivery Days Table.

This table allows you to specify the day or days of the week that product is actually delivered to the retailer. The Automatic POS Reorder function will only create reorders for the days of the week set to 'Y' for the retailer. This is based on the system date of when EOD runs.

700 - More Data 2 - POS Reorder Days

This field controls how many days from the invoice date that the automatic reorder logic will be performed for an issue. Enter '0' and the reorder logic will not be performed for any issue.

146 - Add/Update POS Reorder Record

The automatic reorder function's goal is to maintain the stock-on-hand quantity at the store at a user defined level over a specified date range. The stock-on-hand level is based on a percentage of the retailer's original draw. The date ranges are specified as the number of days from the invoice date. This file is defined to query as file #148 - POS Reorder File.

*The final entry for PCN TDRAW/NBR DAYS is the cutoff point for performing the automatic reorder logic for an issue. In the example below, automatic reorders stop on day 20 past the invoice date.

146 - ADD/UPDATE POS REORDER RECORD

TITLE : 3744 MAXIM

RETLR NBR: 99149 TARGET CHAIN

PCNT DRAW 1 : 100

PCNT DRAW 6 :

NBR DAYS 1 6

NBR DAYS 6 :

PCNT DRAW 2 : 75

PCNT DRAW 7 :

NBR DAYS 2 : 13

NBR DAYS 7 :

PCNT DRAW 3 :	50	PCNT DRAW 8 :	
NBR DAYS 3 :	19	NBR DAYS 8 :	
PCNT DRAW 4 :		PCNT DRAW 9 :	
NBR DAYS 4 :		NBR DAYS 9 :	
PCNT DRAW 5 :		PCNT DRAW 10 :	
NBR DAYS 5 :		NBR DAYS 10 :	

DELETE (N/Y) : N

EOD - End of Day Processing

When the Code 321 - POS Options - Create POS Reorders flag is 'Y', EOD will prompt for Invoice printer selection, A/R description, Delivery Type and Special Messages. The invoice date will default to the system date of when EOD is run. EOD calls a program X801 - Create POS Reorders to perform the 'automatic reorders function'.

The following reports will be generated by X801 during EOD:

EOD X801 - POS Reorders No Fill Report

This report lists the title/issue, retailer, quantity, price and extended price for all retailers where the 'minimum pos reorder' dollar amount was not reached.

EOD X176 - Print Invoices

These are the actual invoices created by the 'automatic reorder' function.

EOD X174 - Create VIP Pick.

This reports lists any bin assignment errors. The system creates an invoice download file for the PTL, named mmddy55.

A/R and Sales will appear under 'Consignment Debits' on the X013 - Detail Sales Listing and on the X014 - A/R Tran Batch Proof Register.

Automatic POS Reorders and added to the Cancel Invoice file, so that these can be picked up by Code 804.

theory of operation -

Example of how this would work: take Maxim (title 03744) issue 01 as an example for Target chain 99149.

Issue 01 has an Invoice date of 12/14/2005. The off-sale date is 12/17/2005 even though in reality the title is going to be out on the stands for the entire month. Everyday POS data comes into the system and gets posted to the DPS POS file. You could build entries for the stores like this:

Chain: 99149

Title: 03744
 - 100% 6 days
 - 75% 13 days
 - 50% 19 days

If the O/R File for one Target store had a draw of 100 and let's say sales start to come in right away.

For days 1 through 6, the program would reorder back out enough copies to get the store back to 100 copies. For days 7 through 13, it would then create a reorder with enough copies so that they have 75% of their original draw (75 copies). For days 14 through 19, it would reorder them up to 50% of their original draw or up to 50 copies. After 20 days, no more reorders would be done. This makes the last entry the stopping point.

When EOD is run, we will look at the new flag in 321. If it is set, we will add a prompt for a reorder printer. We store the system date of when EOD starts and use that date when running the logic of building reorders. We will look at the Bulk File invoice date, the number of days for how long a reorder is allowed, and make the determination if it's OK to create a reorder or not.

The minimum dollar amount that a dealer must reach in order for the system to allow them to get a computer generated reorder is recorded in the Retailer file - More Data 2 - Minimum POS Reorder field. If 0 is in there, this will indicate that the retailer is not to get any computer generated reorders. If you would like to generate a reorder no matter how small, you would enter .01. Maybe a normal account is set to \$20.00 or whatever you want.

Code X801 makes the first pass through the Code 146 POS Reorder file, built in Code 146 above, and to check if any retailer/chains need to have any reorders created. The first pass will not post anything, but it will write the data to a work file. If the dollar amount of all potential reorders for a retailer is more than the minimum amount set up in the Retailer File, the program will go ahead and post the data, create a printed reorder, and also create a picking system download file with sequence number of 55 for the DPS picking system. That means after this job has run, any computer generated reorders will now be posted to the Bulk, O/R files, a printed reorder document will be on the printer selected in EOD, and a download file will be ready to be pulled into the picking system.

How the reorder compute program works.

- If new 321 flag is set then in EOD we will prompt for reorder printer and messages.

New code X801 has been created to do the following

- Reads through the Bulk file, skip any records that are aged.
- skip any records where the title file has new reorder days set to 0.
- skip any records where I can't find dealer 0 for the title.
- skip any records that have nothing entered into the new file using code 146. (dealer or chain, title pos percents)

- skip any bulk records where the invoice date is 0.
- take the invoice date and subtract it from the system date to get 'net days'. Example is system date is 05/22/06 and title, issue has invoice date of 5/18/06 so net days is 4.
- take invoice date and add the number of days a title always a reorder on and if that date is less than the system date I skip the record. So same example above and title has 10 set up for POS days. I add 10 to 5/18/06 and get 5/28/06 and this date is past the system date of 5/22/06 so I use it. When the system date is 5/29/06 we will no longer do reorders on that title and issue.
- then compute the in stock value for the title, issue and if this value is less than 1 I skip the record.
- Once I finally have a title, issue to process I then for the first time create a memory table of dealers.
- then find the issue in the O/R file that I'm trying to process. If the issue is not found I skip the record.
- then read the O/R file for all the dealers have something built in the new 146 file. If the record is not found I try another dealer. If the dealer is found I get there draw for the issue in question. I then read the POS file for the dealer, if its not found I skip the dealer. If I find the POS record I get the quantity sold from the file. I then read the new 146 file. First trying to read the file for the title by the dealer and if its not found I try to read by the dealers chain number. If not found I try another dealer. Once I find a 146 record, I start with the first set of numbers keyed in and take the net days number from above and compare to the first nbr days in 146. If the net days is less than that value and that value is not 0, I use that percent. If the net days is greater than the field I try the next and continue until I find a good percent to use or if not I read the next dealer.
- now compute a value called net-left which is the draw - POS sold - reorders done.
- then compute how many copies the dealer should be out by taking there draw * the percent from the 146 table.
- Then take the compute copies minus the net-left copies to see if we need to reorder any. If thus value is less than 1, I skip the dealer.
- then see if there are enough copies in stock for the copies going out. If the requested is less than the in stock value I can it to the in stock value.

Example

O/R file title 185 issue 5 for dealer 224, has a draw of 100 copies, no returns or reorders.

POS file for same record has quantity sold of 34.

146 file has record set up for dealer 224, title 185 with 20 days and 100 percent for first entry.

When I run this job it computes 34 copies to reorder back out to get them back to 100 % of there initial draw.

I then check the off price file to determine what the retail and price needs to be for this title and issue.

I add up the extended price amount for the copies being billed to determine later on if we should fill the order or not. As of this point nothing has been updated in any files. The data is written to a work file.

The work file is sorted by dealer so I can get then determine if the entire value of the order is more than what can be set up in the dealer file.

If the dealers pass's the dollar amount test then process the data calling the following codes.

X170 - Sort file
 X172 - Assign Invoice number
 X176 - Print Invoice
 X025 - Create EDI data * if 321 flag set
 X024 - Create Save billing file * If 321 flag set

I then post the O/R file for reorders, the Bulk file for reorders and the warehouse bulk file if the 321 flag is set.

Bin numbers start at 2 and go up. Need to have something in there that is in the P01 table and its a controller. The pick file will be created with seq. 55 and if its already there it adds to the number.

Automatic POS Reorders - Non POS Retailers

Certain chains, Kroger's for example, are invoiced through the normal invoicing process but capture sales data as the product is scanned at check out. This data can be used to drive the automatic POS reorder function.

The retailer or chain should be setup as
 Code 500 - General Options - Save EDI = N or I
 Code 500 - More data = POS Sales = 2
 Code E500 - Print Invoice /Create EDI = N

The chains scan data is then posted to the POS Hold file with Code E256 - Import POS batch, and posted the POS file with E205 - Create POS Data.

Code E256 - Import POS Batch

This program imports the chain's SBT data and posts the data to the POS Hold file. The input file is placed in the directory /u/dps/mag/data/pos. The file can have any name. Each chain's file layout differs, so you must specify the chain/layout of the file that you are importing.

**The input file must only contain data for the servicing agency.

This program prints two reports. The 'Import POS Log' is a listing of all 'good' records that were added. The 'Import POS Error Dump' lists all records that were added that may have a problem, such as invalid store number.