

## Computac Book Interface Programming and Procedures

This writeup describes the programs and procedures that are used to interface the Computac Book System with DPS.

### Book System Process:

1. Daily - EOD procedures
  - a. Import Files from Computac
    - i. Code X904 - Import New Book Adds
    - ii. Code X905 - Import Book System A/R
      - 1) Adds data to the A/R Tran file
      - 2) Adds data to the Unsigned Invoice file
    - iii. Code X906 - Import Book EDI Data
      - 1) Adds data to the Save Edi file
      - 2) Adds data to the Cancel Invoice file (pick check file)
  - b. Export files to Computac
    - i. Code DMPDLR - export retailer adds/edits to computac
    - ii. File BKDPSRET - exports book returns data. Created by EOD3 - Create Files From Credit Memos
2. Other changes
  - a. Code 825 - does not display the message "shortage made net minus" for titles 20000 to 29999. This is because Computac book system is not update the DPS O/R records.
3. VIP PTL @ GP to Computac Book System Interfacing
  - a. Code P25CMP - Creates DLR download file for the VIP PTL. Note -Computac passes the UPCD download file to the RS6000 (/u/dps/mag/data). On the VIP PC, they still run P25 to pick up both files.
  - b. Code 804CMP
    - i. Calls a new script p91cmp to copy the WGTADJ file from the pick system
    - ii. Calls a new script p92cmp to remove the WGTADJ from the pick system
    - iii. 804CMP copies the WGTADJ file (with time/date stamp) to /u/dps/work/DPS/DPSIN
    - iv. 804CMP makes a backup copy in the /u/dps/mag/back/wgtadj directory, purged in 30 days
    - v. 804CMP renames the WGTADJ file as WGTADJ.YYMMDD.HHMM

All import files are read from the directory /u/dps/work/DPS/DPSOUT

All export files are written to the directory /u/dps/work/DPS/DPSIN

### Program Descriptions

**Code DMPDLR** - Retailer file export program

This program reads the Retailer File (Code 500) and several other files in order to create 6 different output files - **NACUST**, **NAADDR**, **NAINVSEQ**, **PSCUSTPC**, **PSCUSTFE**, and **PSCUSTSP**.

This program is run automatically during the EOD process.

### **Code X904 - Import New Book Adds**

This program adds new books to the book master file, and updates the book master file if the record already exists. This program is run automatically during EOD, and can be run in standalone mode from the main menu. This program looks for a file named 'BOOKIN.DAT' in the directory /u/dps/work/DPS/DPSOUT. After all records are processed, a time and date stamp is added to the input. The naming convention is named BOOKIN.YYMMDD.HHMM

A report prints listing the titles that were added and if there were any errors. The report lists the ISBN Pub & Title, Title name, discount type, disposition code, product number, product name, full isbn, update message, upc number, and item number. The item number for adds will be zero. The item number for updates will print the entry in the book master file, if there is one.

If the record is already in the book master the following fields are updated: UPC Number, Book Name, Author Name, Discount Type, Retail, Price, Disposition, Category, and EAN Number. 99999 is loaded as a default value for the ND and Publisher number. O/R number defaults to 20000. Errors will be listed for the following reasons: 1. The book discount type is not valid (a default of "B" is loaded), 2. The disposition is not valid (a default of '5' is loaded), 3. The category number is not valid (a default of 200 is loaded), 4. Duplicate Title (the record is skipped).

Disposition - If computac passes an 'H', we update the B00 with disposition code 3. If computac passes an 'S', we update the B00 with disposition code 2. All else is updated as disposition code 5.

### **Code X905 - Import Book System A/R**

This program is run automatically during EOD and can be run in stand-alone mode from the main menu. This program looks in the directory /u/dps/work/DPS/DPSOUT for any files named 'ARxxxxxx.DAT' where xxxxxx are any numeric numbers. The files are copied to .SAV extension, processed and then deleted from the system. The backup copy of the input file is made for diagnostic purposes.

The AR data is added to the AR Tran file and sales data is added to the detail sales file. The A/R Description file is read for the proper post code. The Unsigned Invoice file is also updated, depending on the retailer's flags being set. Note that if there is already a record in the Unsigned invoice file that matches retailer/ref# in the AR.dat file, then x905 will skip that record when adding to the unsigned invoice file.

AR data is added as batch number "54MMDD". An audit report prints that lists the data that was added, and if there are errors the message 'errors found'. The message 'errors found' will display next to any records where the retailer number, product number, or A/R description number are not found. \*Note that while the errors found message may display next to only one record for an invoice, the system will skip every record for that invoice. The 'errors found' records will need to be resolved, then input manually.

### **Code X906 - Import Book EDI Data**

This program is run automatically during EOD and can be run in stand-alone mode from the main menu. This program looks in the directory /u/dps/work/DPS/DPSOUT for a file named DPSEDI.DAT. The input file is read and the data is added to the Save Edi file. A time and date stamp is added to the input file for archival purposes. The format is DPSEDI.YYMMDD.HHMM.

The Cancel Invoice file is also updated, depending on the retailer's flags being set. After all records are processed the file is cleared. An audit report prints the data that was added, and the add status code number.

Save EDI Update protocols:

**PSR 8611**

The Save EDI file is updated with the product number and the category number from the book master record.

UPC codes in the Save EDI are updated via the following protocol:

**PSR 8109**

If bookmaster product number = 270,

Then save edi upc is computed as 9780000 + Isbn Pub + Book master Item number

If bookmaster product number is not equal 270,

Then the save edi is computed as book master UPC MFG + book master Retail

**PSR 8965**

If there is no matching bookmaster record found for the record in the input file, and if the retailer is a HEB retailer, then the Save EDI file will be updated with the UPC code sent in by Computac.

**\*\* ERROR CODE DEFINITIONS \*\***

- 0. ADD SUCCESSFUL
- 1. DUPLICATE EDI
- 2. NO DEALER
- 3. NO TITLE
- 4. NO AR DESCRIPTION
- 5. NO BOOK MASTER

**EOD3 - Create Files From Credit Memos**

This program runs automatically during EOD. This program creates and/or adds data to a file named BKDPSRET in the directory /u/dps/work/DPS/DPSIN. This file contains book returns data processed with Code 800, book overage data processed with Code 165\*, and book shortage data processed with Code 825. A file called BKDPSRET.sav is also created/appended to.

\*When processing Code 165 reorders, only transactions input as A/R Desc #38 are added to the BKDPSRET file.

01 OBOOK-REC.	
03 OSTB-BOOK-RESPONSE	PIC X
03 OSTB-QTY	PIC S9(7) COMP-3.
03 OSTB-PRICE	PIC S9(5)V99 COMP-3.
03 OSTB-PROD-CAT	PIC S9(3) COMP-3.
03 OSTB-DISCOUNT	PIC S9(3)V99 COMP-3.
03 OSTB-ISBN-GROUP	PIC S9(3) COMP-3.
03 OSTB-ISBN-PUB	PIC S9(7) COMP-3.

03 OSTB-ISBN-TITLE	PIC S9(7) COMP-3.
03 OSTB-ISBN-CKDIGIT	PIC 9.
03 OSTBXISBN-CKDIGIT REDEFINES OSTB-ISBN-CKDIGIT.	PIC X
03 OSTB-WS	PIC X(3).
03 OSTB-CUSTOMER	PIC 9(5).
03 OSTB-REFER-NBR	PIC 9(8).
* DATE IS MMDDYY	
03 OSTB-SLIP-DATE	PIC 9(6).
03 OSTB-RECORD	PIC X

## X904 INPUT FILE LAYOUT

03 OBOOK-ISBN-GROUP	PIC S9(3) COMP-3.
03 OBOOK-ISBN-PUB	PIC S9(7) COMP-3.
03 OBOOK-ISBN-TITLE	PIC S9(7) COMP-3.
03 OBOOK-ISBN-CKDIGIT	PIC X.
03 OBOOK-UPC-MANF	PIC S9(7) COMP-3.
03 OBOOK-UPC-TITLE	PIC S9(5) COMP-3.
03 FILLER	PIC X.
03 OBOOK-TITLE	PIC X(30)
03 OBOOK-BINDING	PIC X.
03 OBOOK-RESPONSE-CODE	PIC X
03 OBOOK-TYPE	PIC X(2).
03 OBOOK-PROD-CAT	PIC S9(3) COMP-3.
03 OBOOK-RETAIL	PIC S9(7) COMP-3.
03 OBOOK-UPC-PRICE	PIC S9(7) COMP-3.
03 OBOOK-RESPONSE-B-CODE	PIC X.
03 OBOOK-ALLOW-CUST-RETNS	PIC X.
03 OBOOK-EAN	PIC 9(13).
03 OBOOK-AUTHOR	PIC X(30)

**X906 (EDI) input file layout**

FD BOOK-FILE.	
01 OBOOK-REC.	
03 X-DLR	PIC 9(5).
03 X-INV-NUMBER	PIC 9(8).
* DATE IS CCYYMMDD	
03 X-INV-DATE	PIC 9(8).
03 X-INVOICE-TYPE	PIC X.
03 X-MODEL-TITLE	PIC 9(5).
03 X-MODEL-ISSUE	PIC 9(2).
03 X-QTY	PIC 9(9).
03 X-QTY-SIGN	PIC X.
03 X-AGENCY-COST	PIC 9(4)V9(4).
03 X-RETAIL-COST	PIC 9(4)V9(2).
03 X-DEALER-COST	PIC 9(4)V9(4).
03 X-UPC-NBR	PIC 9(13)
03 X-GROUP	PIC 9(3).
03 X-PUB	PIC 9(7).
03 X-I-TITLE	PIC 9(7).
03 X-CKDIGIT	PIC X.
03 X-TITLE-NAME	PIC X(30).
03 X-DPS-AR-DESC	PIC 9(3).
03 X-PURCH-ORDER	PIC X(9).
03 X-TAX-AMOUNT	PIC 9(4)V99.
03 X-SVC-CHARGE	PIC 9(4)V99.
03 X-CRLF	PIC X(2).