
DSCEOD End of Day Processing

<i>Overview</i>	End of Day Processing runs a series of jobs in a controlled way. The end of day processing may be carried out at different times of the day, but it is usually run outside of normal working hours.
<i>Purpose</i>	This document describes how to run end of day process and use the reports generated to verify transactions.

Explanation

The following tasks will be performed by End of Day Processing:

- The interface transactions (from other systems, Accounts Payable etc) are transferred to the General Ledger transaction files and the General Ledger balances are updated.
- The bank reconciliation file (if implemented) will be updated by all of the day's transactions.
- An audit trail listing all of the day's transactions, sequenced by company, journal type, journal number and account number.
- Automatic despatch for invoiced orders defined in TMSDS/WH-DSPCH
- End/restart XT subsystems so that users who have left their screens on will not cause locks during EOD.
- The control number increments on the system Control File.
- Retrieve Control Number and Period
- Create Daily Transactions
- Debtors Reset
- Increment Control Number
- Build Sales History from Daily file
- Customer Sales and Return update
- Credit Analysis Update
- Rebate Update
- Subscription Order Status Update
- Invoice Register
- A/R Audit Trail

- Stock Transfer Adjustments & Receipts Audit Trail
- Stock Discrepancy Report
- Allocation Error Report
- Recalculate Pick Plan Categories
- Recalculate Location Available Capacity
- Stock Balance Report
- Warehouse In Progress Reconciliation
- Stock Control Report
- Warehouse Outstanding Reconciliation
- A/R Outstanding Control Report & Fix
- Purchase Order Recovery
- Indent Confirmation Slip
- Extra User End of Day

For the preparation of the end of day process, the job date, starting date and time are determined, as well as the various sub-systems.

Websphere is only ended to ensure locks are removed prior to backup. If backup does not need exclusive access to files there is no need to end Websphere. For further information on Websphere availability during end of day refer to Web Services documentation.

Jobs run in EOD

The following jobs are run for the end of day:

DSCEODA	Parameter Passing
DSCEODB	Main Processor
DSCEODE	Terminate updater
DSCEODF	Restart updater
DSCEODG	Extra jobs with processor
DSCEODH	Extra jobs after processor
DSCEODI	Audit trails and control reports
DSCEODJ	Backup processing
DSCEODJ2	Terminate updater by library list

DSCEODK	Extra jobs at End of week
DSCEODL	Extra jobs at End of month
DSCEODM	Background jobs after main EOD processing

DSCEODA Parameter Passing

This program controls the panel. It retrieves the parameters from the control file, displays them on the panel for the user to maintain if they wish and validates the parameters. It will then submit the End of Day job and it should show immediately in WRKACTJOB with the correct start time showing in the status column.

DSCEODB Main Processor

This is the 'controlling' program. It will run some jobs itself and will call all other end of day programs in turn, like the Rebates Period End. It will also deal with Powerdown, if that option was selected.

To minimise the downtime for end of day processing, end of day tasks that do not require a dedicated system are submitted for background processing afterwards from DSCEODM. This substantially reduces the time the system is unavailable during end of day.

If BI (Business Intelligence) is active, the InfoMaster End of Day will be submitted. Program TBIA140 is used to call all other BI rebuilds.

Credit card sale will update A/R files when invoiced to do credit card payment and update A/R files.

DSCEODE Terminate Updater

Terminates the background processor for Distribution, Warranty & Service and Accounts Payable in controlled manner.

DSCEODF Restart Updater

Starts the background processor for Distribution, Warranty & Service and Accounts Payable. Email sender will be submitted if job queue is not blank in *****/EM-CFG which includes a job name only.

DSCEODG Extra jobs with processor

Extra jobs either create transactions or change their status. They are jobs that feed transactions to the queue.

ARO110	Instalments auto payment selection
DSO070	Automatic Pending Review
DSO071	Claim pending auto review
DSO100	Call PUO010 This will automatically rebalance the shipping accounting on a daily basis.
DSO476	Inter-company sales generation
DSO477	Interest charge calculation
DSO899	Suspend orders in progress

DSCEODH Extra jobs after processor

This is usually customer required jobs, such as sales reports, queries and other reports.

DSR100	Batch Document Print
EDO331	Customer Invoice Extract
DS0685	ORTRA 'L'ocked record delete
DSZ600c	Merging customers from Co A to Co B
JNO100	DSOSB journal - control program
WHO430	Daily w/h stage lead time summary
WHO460	Productivity summarisation
XAO600	EOD File transfer controller

DSCEODI Audit trails and control reports

Reconciliation reports

ARR070	Debtors Master Reconciliation
DSR231	Stock Discrepancy Report
DSR251	Stock Control Reconciliation
DSR335	Allocation Error Report
DSR710	Warehouse Outstanding/In-progress Reconciliation

DSR714	Warehouse Outstanding Transactions Reconciliation
DSR845	Daily Sales by Item/Customer
DST013	DSWH Recovery Report
DST018	DSPOD Recovery/report (INV, RCT a
DST024	DSPOH00P Report / Recovery
DSZ005	DSTR to DSWH reconciliation and c
DSZ035	Reconcile DSOSP with DSOSB & DSPOD
DSZ050	Claims Allocation Discrepancy Rep
DSZ105	Warehouse locations reconciliation
DSZ120	W/H locations in progress reconciliation
DSZ140	Held location reconciliation
DSZ160	Reserved for putaway reconciliation
DSZ680	Components amount/tax/cost recalculation
WHO270	Warehouse location volume rebuild
WHZ010	WHTRA and WHPPC reconciliation
WHZ030	Returns containers reconciliation
WHZ040	Receive stock – reconciliation
WHZ050	WHRQI, WHRQD & WHFCP reconciliation
WHZ060	WHRQI & WHTRF reconciliation
WHZ070	Serial number / SOH reconciliation

DSCEODJ Backup processing

Handles the backup processing. If the EOW or EOM month options were selected, this program calls the appropriate type of backup using the IBM backup facility. To see the backup types, type the command GO SETUPBACKUP and take opt 10. This lists the libraries and whether they are backed up Daily, Weekly or Monthly.

DSCEODJ2 Terminate updater by library list

Shut down all background processor on the system so that files are not locked and therefore not backed up correctly. This must be modified for each individual site.

DSCEODK Extra jobs at End of week

This program is modified to call any programs that are to be run at end of week. For example, reconciliation programs that takes too long to run every day and data purging programs. The user selects the additional programs to be run.

DSCEODL Extra jobs at End of month

This program is modified to call any programs that are to be run at end of month. For example, the end of month update for sales and debtors. Users may add functions and reports to be run in addition to the standard mandatory requirements, for example, purging of data.

DSCEODM Programs run in the background at the end of EOD processing

DSR315	Credit Card Entry List
DSP155	Purge invoice print files DSPIA00P/B/C
DSP156	Purge pick print file DSPKA00P/B/C
DSP157	Purge pick summary DSPSA00P/B
ARO015	Daily debtor balance ARDM00P
DSO096	Sales history update DSSH00P
SAO005A	Build sales history SAHM00P
DIO902Z	Outbound interface
DSO250	Customer sales and returns DCSR00P
DSO435	Credit analysis
DSR210	Invoice register
ARO010A	AR audit trail
DSR800D	Transfer out audit trail
DSR800D	Transfer in audit trail
DSR800D	Adjustment audit trail
DSR800D	Receipt audit trail
DSR580A	Daily lost order
DSR484A	Daily sales by customer
DSR455B	Purchase Order Receipt Report by Control Number
DSR566	Indent Changes Confirmation Slip
DSR915C	Daily sales report
DSR735B	Price and discount exception report

DMO300	Direct mail update
DSO996	Check GUI numbers

Reports and Processes run from DSCEODB

Rebates

Rebates Period End processes (RBO000) are run if the Rebates module is active. The Rebates Period End includes the following:

- Accumulate Sales History – record the sales transactions that are rebateable.
- Calculate Total Rebates – calculates the estimated rebate earned for End of Day and the actual rebate earned for End of Month. It also totals the rebateable sales for comparison against rebate targets.
- Apportion Rebate – total rebate earned is apportioned according to rebateable sales.
- Post Rebate Accrual – accrue the rebate earned to the General Ledger.
- Load Customer Balance file – accumulated rebate earned and accrued posts to Rebate Customer Balances file.
- Interface to the General Ledger – Sales, Accounts Receivable, Rebates
- Generate and Post Payments – run in Accounts Payable EOD.

Refer to the **Rebates** Overview for details on all these Period End processes.

A/R to Bank Reconciliation Interface

This option generates General Ledger (G/L) journal records (GLIF00P) from individual or summarised Debtors payments on a Daily basis using the Transaction file.

This process runs immediately the menu option is selected. No user selection criteria required.

The purpose being to eliminate any reconciliation problems between Accounts Receivable (A/R) Receipts entered and the actual bank deposits within the Bank Reconciliation module.

This breaks down the consolidated journal back into the daily totals or batch totals. This program can be added to the End of Month (EOM) process if required. A Rebuild can be performed for selected periods.

Process Flow

- Loads A/R journal interface definitions into arrays for performance using **TMSAR/BK-JNLI**.
- Generates journals into a workfile.
- Retrieve customer details to determine Customer Company.

- Validation is performed against the Journal Type, Journal no, Source, Consolidate Billing, Company, Bank General Ledger account and Clearing General Ledger account.
- Retrieves the A/R transaction file for reference and document dates.
- Actual receipt currency is selected from A/R transactions.
- Calculate journal number (batch no or reference)
- Validate journal number to be numeric otherwise zero!
- Write bank G/L journal record to workfile.
- Write clearing G/L account journal record to workfile.
- Expands the G/L accounts into its components in preparation for the journal creation.
- Generates G/L journal records for Debtors bank reconciliation dissection.
- Generate new journal number based on journal type if required.
- Generate process number.

If errors are found, error report is generated to list, run date, run time, base and trade currency, bank, payment type, batch, process number, billing number, payee number, amount, currency and customer reference.

Reports and Processes run from DSCEODI

ARR070: Debtors Master Reconciliation

If there are no discrepancies, a GRAND TOTAL line only will show. This checks the difference between the AR Debtor master and the transactions.

If any discrepancies are found, the details for the customer in question will be shown. Then run the report in update mode, this will correct all historic differences between the two files.

Sequence of report is CONO, EXCD, DT. Report includes a summary by document for EXCD, CONO and GRAND totals.

DSR231: Stock Discrepancy Report

Details listed include:

- Stock adjustment code
- Code description
- User
- Date of entry
- Time of entry

DSR251: Stock Control Reconciliation

Comparison includes file DSWHN00P Warehouse national stock/costing.

DSWH00P	Warehouse file
DSWHC00P	Warehouse FIFO cost file

National warehouse costing is accommodated based on **TMSDS/WH-CSTB**.

The default cost method is retrieved from **TMSDS/IM-DFTCM**. A separate program DSZ105 is provided for reconciling against location quantities.

DSR335: Allocation Error Report

Include reserved for unmade systems in calculation of stock on hand available.

Check that the allocation system is in use and if not, do not run this program.

DSO557 Expired Backorders

The Expired Backorders are transferred to Lost Orders by DSO557 which is also run as part of the EOD process. The transfer process checks each backorder line against **TMSDS/CC-BOEXP** according to the customer backorder expiry classification code and ordered item's stock status and retention days. If the order has expired, it is transferred from backorder (B) to lost (X) status.

This program includes the:

- Stock Report as a Item Status code.
- last EOD date which is used for the control number selection
- excludes charge only transactions (DST-A) as they are not real lost orders

Details on the report include:

- Control number
- Process number
- Customer reference
- Customer number and name
- ISBN and Item
- Status

- Order quantity
- Delivery quantity
- Backorder quantity
- Lost quantity
- Unit Price and discount
- Lost amount
- Totals by customer

DSR710: Warehouse Outstanding/In-progress Reconciliation

This program is the warehouse in-progress and outstanding reconciliation. It incorporates previous DSR710 and DSR713.

DSR714: Warehouse Outstanding Transactions Reconciliation

This program performs a sequential match between warehouse file DSWH00P and transaction file DSTR/B to reconcile outstanding return stock. Any discrepancies are reported and optionally some balances may be automatically corrected.

DSR845: Daily Sales by Item/Customer

Reserved for unmade systems, is included in the calculation of stock on hand available.

DST013: DSWH Recovery Report

Calculation of on-board based on ship/inv.

DST018: DSPOD Recovery/Report

DST024: DSPOH00P Report/Recovery

This program recovers DSPOH status to R if PO already released to WHRCB00P for receiving.

Can be processed by PO Number or whole DSPOH. DSPOH can be deleted if record does not exist in DSPOD.

DSZ005: DSTR to DSWH reconciliation

This program compares movements on DSWH00P or DSWHH00P with DSTR and produces a report of discrepancies. An option is available to allow correction of the movements on **DSWH/DSWHH** based on DSTR.

Packs within pack, are catered for. The cost will now only be considered on FIRST LEVEL pack lines.

Parameters are: PERD (YYYYMM) and UPD (Y/N).

DSZ035: Reconcile DSOSP with DSOSB & DSPOD

This reconciliation program reconciles DSOSP with DSOSB & DSPOD. Any record in DSOSP with no backorder line or with no PO detail line will be deleted. It clears the link if the PO line shows that it has been received and will not be receipting more stock. If the purchase order exists but PO line status is X (cancelled), D (rejected) or C (complete) it will remove the link.

Also, if PO header status (P1PSTS) has the same value, the record will be deleted from **DSOSP**.

DSZ050: Claims Allocation Discrepancy Rep

The program checks that the return quantity (TBRTNO) balances with the calculated return quantity, found by tallying the return quantities from the allocated.

What happens where the original document that the claim/s are allocated to is not found? If original document is no longer on the system the error is ignored.

All claims are selected, not just outstanding, and rejected claims (status V) are not included.

Report details are:

Document number, Document date, ISBN, Item, Delivery quantity and Return quantity.

DSZ105: Warehouse locations reconciliation

DSZ105 is a balancing program between the inventory file and the individual locations.

The presence of any item on this report is an issue that will require investigation

Stock is always added back for complete pick requests for status A orders.

Included are Document type C status O records where the transfer from warehouse is a location controlled warehouse.

The overflow location is defaulted according to **TMSWH/ZN-OVFLW**.

Consignment returns are allowed for by ignoring the warehouse for document sub type U's (loan/consignment transfers).

Systems are not included in the reconciliation as they do not have location balances.

Existing locations for products are kept even when the stock on hand quantity falls to zero. **TMSWH/LOC-NUL** triggers the override.

The columns on this report indicate:

Inventory columns

SOHQ – inventory stock on hand

Next – stock invoiced as part of the next accounting period. This has been removed from the shelf but not yet removed from our inventory so must be allowed for in this balance.

Total – the effective total inventory we should be able to find on locations

Warehouse Columns

Total – the sum of the locations

UNP RCT – unprocessed receipts. The receiving process updates to the location immediately, and then to inventory in a subsequent process. This column allows for that time delay.

SOHQ/Location – this lists the individual locations and containers where we have found stock.

Updated – should the report be run in update mode, this will note the location and quantity we have written in order to balance the two stock figures. The location selected for this balance quantity will be the overflow location of the first zone in the warehouse.

Also note that orders at 'A' status will have removed stock from a location, but not yet from inventory. This is allowed for in this balance.

DSZ120: W/H locations in progress reconciliation

Deletes WHLOD (stock) records if all values are null.

Existing locations are kept for products even when the stock on hand quantity falls to zero.

Control files used: **TMSWH/LOC-NULL**

DSZ140: Held location reconciliation

Reserved discrepancy quantity will be reconciled.

Reconcile reserved held location

DSZ160: Reserved for putaway reconciliation

Inbound stock, from returns or receipts, is not truly available until both the goods have been placed on the shelf, and the accounting process is complete. For returns, this occurs when the credit note is printed, for receipts this occurs when background updates to the purchases and invoices are done.

Any items listed in this report show an error that should be reviewed.

Reserved for putaway includes receipted or returned containers that have not reached their FINAL location in the warehouse. Status I is not processed. This ignores components of systems.

Report columns include:

Reserved for putaway column – this is the current reserved for putaway quantity found on the inventory file.

Total – this is the calculated reserved for putaway figure.

Type – this indicates whether the transaction has been put away but not yet credited, or credited but not yet put away.

SOHQ – this is the quantity related to the incomplete transaction.

Reference – this shows the location or the receipt reference.

DSZ680: Components amounts/tax/cost recalculation

This program recalculates the value, tax and cost for each component/detail line in DSTRB00P if the sum of these values at component/detail level is not equal to the value at pack/bin/system level. The logic is to apportion the value at pack/bin/system level for each component/detail line. The unit price is recalculated at component/detail level if the calculated amount is not equal to the amount on DSTRB00P line.

WHO270: Warehouse location volume rebuild

This program loads the location master volume remaining fields based on the item dimensions held in the Item Masterfile.

WHZ010: WHTRA and WHPPC reconciliation

This program recalculates the WHPPC file from the sum of the WHPP. This should be run in update mode in the EOD.

WHZ020: Warehouse Run Reconciliation

This program has a switch which controls whether to reconcile all warehouse runs or only incomplete warehouse runs. The program loops through the Warehouse Run File and accumulates quantities on the Warehouse Transaction Header file, Warehouse Movements file and the Warehouse Movements Required file for each run. Warehouse run records are not created.

WHZ030: Returns containers reconciliation

Reconciles returns containers for writing off. This program has report/update function and should be run with caution as it will cause a temporary stock imbalance. DSZ105 will correct the stock imbalance and require the user to adjust stock that has the imbalance. The reconciliation will not write off stock on its own, it will only fix up container quantities.

WHZ040: Receive stock reconciliation

This program completes the stock updates when a receipt does not complete successfully.

WHZ050: WHRQI, WHRQD & WHFCP Reconciliation

The reserved quantity for full carton pick is reconciled in the following files: Replenishment Movement Required by item file WHRQI00P, Warehouse Movements Required file WHRQD00P, Warehouse movements file WHTRF00P and full carton pick file WHFCP00P.

Programs WHZ050 and WHZ060, reconcile files WHRQI, WHRQD, WHTRF and WHFCP

WHZ060: WHRQI & WHTRF Reconciliation

This reconciles the replenishment quantity on the Replenishment Movement Required by Item file WHRQI00P and the Warehouse Movements file WHTRF00P.

WHZ070: Serial number / SOH reconciliation

This reconciles the serial numbers in stock with the Stock on Hand (SOH) figure. When in balance, the number of serial numbers on file for each item is equal to the quantity on hand in the warehouse. The report runs over only those that are flagged to record serial numbers at receipt time.

The report produced from this program shows number of items, if it is in balance. If not in balance, the items are printed with the stock on hand values and the serial numbers currently in stock.

Reports and Processes run from DSCEODH

This is usually the customers required jobs, such as Sales reports, queries and other reports.

DSR100: Batch Document Print

TMSDS/PRT-AUTO provides the facility to run the Batch Document Print program as part of the EOD. It contains the sequences in which you wish the output types to print. Leave the Control File blank if you do not wish to run the Batch Document Print program as part of the EOD.

DSR104: Mail/File copy print

This program extracts the invoice details in batch mode at EOD instead of as each invoice is printed during the day.

EDO331 Customer Invoice Extract

This program extracts invoice details daily to be transmitted via EDI. This process can also be run from Order Processing, EDI Orders, ANSI X12. Refer to that section for more details.

DSO685: ORTRA 'L'ocked record delete

This program is used to clean up (delete) ORTRA records that are left in L status and will be incorporated into the EOD process (DSCEODH). An E-mail is sent to a nominated E-mail address to notify a manager that which orders have been deleted. **TMSDS/ADMINEML** is setup for appropriate email address.

DSZ600C Merging customers from co A to co B

This program updates the following files: DSCM, DSCMD, DSTRA, DSTRB, DSTRL, DSTRP, DSTRX, DSDRV, DSPOH, DSOSA, DSOSB, DSCA, DSDRA, DSDRB, DSDRV, CTRA, ARTRA, ARTR, ARTRM, ARINA, CHTR, LCSBA, LCTRA, SMSLB, SMOSA, SMOSB.

The sales history file SAHM00P should be rebuilt separately after this program updates the above files.

WHO430: Daily w/h stage lead time summary

This program updates file WHSL00P (W/H stage lead time summary) with daily lead time information for various stages of warehouse processing.

WHO460: Productivity summarization

Labour Productivity information can be stored and tracked.

Productivity is tracked by:

- From and To Zones
- User
- Device Type
- Device
- Completion Date
- Start and End Times
- Time taken for each transaction.

Also calculated is:

- Number of lines
- Number of units

- Number of cartons
- Weight
- Volume

XAO600: EOD File transfer controller

This program handles data transfer during EOD.

XAO625: Journaling

The Journal Management program is a new program to control journaling (create, change start-stop).

The Journal Management system is arranged in four parts, which are the three menu options on the Cross applications menu and placed in the End of Day.

The following functions are performed:

- Journal Setup begins the Outstanding and Creditor Masterfile Journal Management System. All changes made will be saved to a temporary journal receiver.
- Journal Capture and End stops the Outstanding and Creditor Masterfile Journal Management system and saves changes made up until this point.
- Journal End stops the Outstanding and Creditor Masterfile Journal Management System and loses all changes made from the last time the details were captured.

*******/JNL-ATTR** Journal attributes defines for each System defined attribute where to put the journals and what the journal is to be named as. This Control File acts as a receiver. The value field can be left blank or a file name can be entered when a record has been changed.

The Receiver is used to hold new changes. It receives journals and changes journals and decides how many it can hold before it becomes obsolete and creates a new receiver.

*******/JNL-FIL** is a list of those files and is used by XAO620+XAO625 when journaling is started/stopped. As a requirement for e-Commerce all files used **MUST** be journaled.

This Control File defines which file you want to start journaling. Any changes to the file are recorded.

Receive Image:

After: when it updates a record it only captures the look of the change

Both: when it updates a record it captures the look of the change before and after the change.

Process Program is used to read the journal then output in to a file with the data structure.

For example for the Customer Masterfile, it writes to a similar Customer Masterfile. It creates a journal for the Customer Masterfile, with journal day, change day and who changed it followed by the Customer Masterfile record.

JNO110 Journal processing for DSOSB00P

JNO111 Journal processing for APCM00P

JNO112 Journal processing for XACTH00P

JNO113 Journal processing for XACTD00P

Reports and Processes run from DSCEODG

ARO110: Installments auto payment selection

Selects installments, status A, to auto pay by due date range. This program will select installments to direct debit from the customer's bank account by changing the status from '0' to '1'. Status '1' installments cannot be maintained any more since they are in process of being transferred to banking media (after which they become status '2').

The selected installments are grouped by payment type and processed specifically for each payment type, e.g. if direct debit, then produce bank file, and if credit card, then do secure pay, and if manual, then produce report for bank, etc.

Scheduling is provided to run installment payment processing automatically.

Selection by:

- Payment type.

DSO070: Automatic Pending Review

This Automatic Pending Review can be run in batch mode or immediately or included in the End of Day. This Review process covers both Sales Orders pending and Claims pending.

It is essential to run this option if the Pending System Control Files have been changed. Changes that will have an effect would be for example if a new Department is added, a new user is added or deleted in a Department or the parameters for a specific Reason Code have changed. Also, if Accounts Receivable have processed any payments or claims or changed Credit Limits, the pending orders may now meet the criteria for release. Any orders found valid are approved for processing.

For changes to the pending rules to take effect, the background processor must be terminated and restarted. Auto pending review sends all orders through the pending check again.

DSO071: Claim pending auto review

See DSO070.

DSO475: Inter company sales generation

This program will generate inter company sales which consists of three transactions:

- The purchase receipt of the stock by the retailer.
- Cost of sales adjustment against the original sale.
- Sale of the stock from the publisher to the retailer.

This program can be run at the end of day or end of month depending on **TMSDS/ICS-MODE** setup.

Transfers (DT='C') are included in the process of inter company sales and a cost adjustment transaction will generate for each invoice to the transfer to-warehouse in addition to the other transactions. When generating cost adjustment, update DSWH for invoice not adjustment.

DSO477: Interest charge calculation

Interest can be calculated on overdue invoices, for selected customers. This is an optional facility which is activated by control file. Interest will be calculated on overdue invoices, based on a predefined percentage rate. There is no interest charged on the interest, only on the outstanding invoice amount or outstanding balance less interest.

Interest calculation starts from the date an invoice is due for payment, and will be calculated on a daily basis until End of Month. If the invoice remains overdue in the next month, the total number of days within this month is used for the calculation of the interest. When allocating a payment the interest will automatically be included in the outstanding amount and will be manually adjusted if it is not part of the payment.

For each customer a transaction is created for the total overdue balance, a journal transaction for the interest is generated. This interest journal definition must also be setup in the G/L interface. The interest journals are debited to the General Ledger Interest provision account, and credited to debtor's control.

The interest is levied on a monthly basis.

An interest charge definition code rate table has been created using Control File **TMSDS/CC-INT**. This holds a charge code and the rate to be charged. This table includes a flag to determine which outstanding amount is to be used, invoice amount or balance amount. This Control File must exist in **TMSDS/CC-TYPES** to be active.

This charge code is entered against each account by customer classification code for each customer that is to be charged interest. Any customers in the Database management without a code will not attract a charge. This code has been created using **TMSDS/INT-CHRG** and **TMSAR/BK-PAYT**.

A monthly program is used to calculate the interest charge against each outstanding customer invoice or outstanding balance. The generated interest transaction will be a journal type and will be allocated to the invoice group. When calculating the outstanding amount for an invoice all transactions allocated to the invoice will be accumulated excluding the interest journals. The above process for calculating interest relies on accounts being reconciled (payments, credits and journals are allocated to the invoices). No unallocated transactions will be included for calculation. Claims are included to reduce the outstanding amount if allocated to the invoice. When calculating the outstanding overdue balance the interest charges will be subtracted from the amount.

The payment allocation panel does not ignore interest journals when processing auto allocation. It is a manual decision to ignore or take up the interest amounts.

The interest calculation journals are accessed by the General Ledger interface and generate the appropriate journals to the accounts setup on the General Ledger interface definition.

IBS BookMaster v1.5.3, Dispatcher name:BOOKMASTER, [Q74 - BookMaster74Q], Active user:AUKEEPAD

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*Control File Maintenance

XAW005G > Control File Maintenance

Application: TMSDS Distribution System

Key: CC-INT Interest charge code

Maximum rec: 999 Last change

Allow Dup: 2 1-Yes/2-No

Position to

Interest Charge Code	Interest Charge Rate	Charge against o/s overdue
AAA	99999	A
001	00200	1

OK Cancel Exit Column Refresh

Text Print

This user defined control file holds the charge code and the rate to be charged for interest. This table includes a flag to determine which outstanding amount is to be used, invoice or balance amount. This Control file is used in conjunction with **TMSDS/CC-TYPES**, **TMSDS/INT-CHRG** and **TMSAR/BK-PAYT**.

This Interest charge code is entered against each account by customer classification code for each customer that is to be charged interest. The payment type must be setup in **TMSAR/BK-PAYT** as a journal type. This is used by program DSO477 and DSCEODG.

This control file is used with **TMSDS/CC-INT**, **TMSDS/CC-TYPES** and **TMSAR/BK-PAYT**.

IBS BookMaster v1.5.3, Dispatcher name:BOOKMASTER, [Q74 - BookMaster74Q], Active user:AUKEPAD

File Preferences Options Help

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*Control File Maintenance

XAW005G > Control File Maintenance

Application: TMSAR Accounts Receivable System
Key: BK-PAYT Payment/journal types
Maximum rec: 100 Last change: 25/11/2009 AUNATMON
Allow Dup: 2 1-Yes/2-No
Position to:

DT (0=on acct, 1=pay, 2=jnl, 3=dsc, 4=fdd) / DST (1=csh, 2=chq, 3=CC...) / Draft (1=yes, 2=no) -+--+
TR DT(G,H...) / Auto Credit Card (1=Y, 2=N) -+--+ | | |
Payment Type Description A/c val. Cur Dep | | | |
AAA bbbbbbbbbbbbbbbbbbb CCCCCCCCCC D E J F G H I Sts

ACC	Description	A/c val.	Cur	Dep	Sts
ACC	On account	N	0	2	0 1 2
ACP	Auto collection	N	G	1	1 2
ADJ	SMALL ADJUSTMENTS	N	H	2	1 2
ALC	Payment allocation	N	G	1	1 2
AMX	American Express	G	1	3	2
B/C	BANKCARD	2	1	3	2
BAD	BAD DEBT W/O	N	H	2	1 2
BGT	Budget	N	H	2	2 1 2
BKD	Banked on Sellday	N	G	2	1 1 2

OK Cancel Exit Column Refresh
Text Print

The payment type for interest charges from **TMSDS/INT-CHRG** must be added to this control file as a journal type.

General Ledger Interface program

First panel

IBS BookMaster v1.5.3, Dispatcher name:BOOKMASTER, [Q74 - BookMaster74Q], Active user:AUKEEPAD

File Preferences Help

Menu

Find

- WH Interface Re-send PS
- WH Interface Re-send Shi
- WH Interface Export WH I
- WH Interface Import WH I
- WH Interface Claim/Retur
- WH Interface Errorlog Mai
- GL Interface: Debtors
- GL Interface: Sales
- GL Interface Definitions Pr
- GL Interface Calculation
- GL Interface Unmatch Trai
- GL Interface Trans Report
- GL Interface Journals Crei

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*GL Interface: Debtors

DSM270 > G/L Interface Masterfile Maintenance > Change

Source file A/R - ACCOUNTS RECEI

Definition number PAYMENTS

Sequence number

Interface Description

G/L Account Type A/R CASH

G/L Trade	Currency	DR Account	CR Account	Particulars
Net	<input type="text" value="A"/>	<input type="text" value="000.1000"/> CASH AT BANK B/S	<input type="text" value="000.1100"/> TRADE DEBTORS B/S	CASH RECPTS
Cost	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Tax	<input type="text"/>	<input type="text"/>	<input type="text"/>	

OK Cancel Exit

Page down.

IBS BookMaster v1.5.3, Dispatcher name:BOOKMASTER, [Q74 - BookMaster74Q], Active user:AUKEEPAD

File Preferences Help

Menu

Find

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Messages

*GL Interface: Debtors

DSM270 > G/L Interface Masterfile Maintenance > Change

Source file A/R - ACCOUNTS RECEI

Definition number PAYMENTS

Sequence number C/C RECEIPTS

1=Select All 2=Select List 3=Omit List 4=Include Range 5=Exclude Range

O	Description	Value
<input checked="" type="checkbox"/>	Document type	'1'
<input type="checkbox"/>	Bank account code	
<input checked="" type="checkbox"/>	Payment type	'CC'

More

Press Enter to confirm

Other conditions to consider

Control Files

TMSAR/ARCTL	Determines the ageing calculation method
TMSAR/PERIOD	Determines the current processing period for invoices.
TMSAR/PERIODA	Determines the current processing period for payments.
TMSAR/RTN-BAL	Determines the retention months for balances, future and past due balances.
TMSDS/EXCD-BAS	Determines the currencies to be used.

Files

ARTR00P	Debtors daily transaction file
ARTRA00P	Debtors daily transaction header file
ARAGE00P	Debtors ageing file
ARMVT00P	Debtors Movements file.

PUO010 Re-Balance Shipments

This will automatically re-balance the shipping accounting on a daily basis. Parameters are:

CALL PGM(DSO100) PARM(&CTLN &PERD &DAY) and CALL PGM(PUO010A) PARM(&PERD ' ' ' ' ' ')

Reports and Processes run from DSCEODM

ARO010: Debtors Audit Trail

Debtors Daily Reconciliation **ARO012** is based on **ARO010** Accounts Receivable Audit Trail. This Reconciliation Report has a control break by Debtors Class and is sequenced by Debtors Class, Exchange Code and Document Type.

This should NOT be placed on a menu because it requires the Daily Control Number which is generated by End of Day.

DMO300: D/M Daily Update

DSR210: Invoice/Credit Register

Total cost in the invoice register is only accumulated from parent order lines and not component lines. These figures should balance with ARO010 AR Audit Trail (Credit).

DSR455: Purchase Order Receipt Report by Control Number

The report selection is:

- Date range or control number or period
- Price code
- Effective date which defaults to current system date
- Show unit cost foreign/base
- The Page Break is by Ship ID

The sequence is by Ship Ref, Supplier, Invoice No **OR** Ship Ref, Supplier, IL1, invoice number, line number.

The report shows:

- Period
- Ship reference
- Supplier
- Invoice
- Purchase order
- GRM number
- ISBN and Item
- Stock Status
- RRP
- Date
- Qty received
- Old unit cost
- Average cost
- New unit cost
- Total cost
- Invoice total

- Shipment total

DSR566: Indent Changes Confirmation Slip

This program prints an Indent Order Confirmation Form and labels to be sent to customers, requesting confirmation that they still want to receive their orders that were lost because of non-availability of stock and their not wanting backorders. The orders can then be re-entered if required.

Details on the Form are:

- Net Amount (order qty x price x discount x tax)
- Company Name and Details as per original invoice
- Ordered qty.

DSR580: Daily Lost Order Report

Lost Orders are:

- Expired Backorders
- Items not allowed to be backordered
- Customers not allowing backorders

Lost order report only selects document type 'A' = Invoice, 'C' = Transfer Out and 'E' = Adjustment.

DSR735: Price exception report

This is commented out in the End of Day DSCEODI program. This program calculates whether a gross profit figure is in the specified range according to the exception table **TMSDS/DL-GPEX**.

This control file determines the 'from and to gross profit percentages for individual Item level 1 and Item Level 2 combinations using the Item Masterfile and Transaction Header and Detail files. If the gross profit is outside specified range then a detail line is printed.

DSR800: Stock Movements Audit Trail

Our reference (TBOREF) is printed.

DSR915: The Daily Sales Report

The daily sales report displays daily and monthly sales details during a selected period. A choice can be made of seven formats to suit different levels or needs of management. Various selection criteria are available for the user to select the requested information:

- Sales period

- Range can cover all company branches or one selected company branch
- Nine different report layouts are possible
- User defined report heading
- The report detail level is by selected item classification
- At what item level to generate page breaks
- At what detail level is customer information shown

Optional selection can be made of:

- Range or records to be included
- Sales and budget summary level

The sales reports show all information by branch in item classification sequence, and depending on the report layout, various details are displayed for each listed warehouse branch.

Sub-totals are provided for each item classification type, as well as for each branch. An overall total is printed at the conclusion of each report.

TMSDS/YSR-DFT, TMSDS/YSR-EOD and TMSDS/YSR-EOM affect this report.

Report layout no 0

Sales quantity and gross sales, costs, budget values as well as the gross profit and the gross profit margin are shown on the Month-to-Date and Year-to-Date basis.

Report layout no 1

Sales quantity and gross sales, as well as the gross profit and the gross profit margin are shown on a daily and monthly basis. The monthly sales details also include values depicting average gross sales, average cost of goods sold, provision for returns, average gross and net profit and the total net profit.

Report layout no 2

This report shows daily and monthly gross sales values, returns values, before and after provision values, as well as the monthly budget and outstanding order quantity and value.

Report layout no 3

This option shows the sales quantity and gross sales as well as the gross profit and the gross profit margin, on a month-to-date and year-to-date basis. Included in the yearly sales details are also

values depicting average gross sales, average cost of goods sold, provision for returns, average gross and net profit, and the total net profit margin.

Report layout no 4

The fourth sales report shows, on a month-to-date and year-to-date basis, the gross sales values, returns, and the net values reflecting before and after provision for returns. Also included in the report are the yearly budget for each branch and the outstanding order quantity and value.

Report layout no 5

This report shows the sales quantity and gross sales on a daily, month-to-date and year-to-date basis, also included in the report are the month-to-date and year-to-date budgets and the budget variance percentages, as well as the outstanding order quantities and values.

Report layout no 6

This is a concise report which shows month-to-date figures only. For each item the sales quantity and value is shown, as well as the cost and calculated profit.

Report layout no 7

This report shows the gross sales figures on a daily, month-to-date and year-to-date basis. Also included in the report are budgets and the budget variance percentages, and the outstanding order quantity and values.

Report layout no 8

This report shows the gross sales figures on a daily, month-to-date and year-to-date basis. Also included in the report are budgets and the budget variance percentages.

Report layout no 9

This report shows the sales figures on a daily, month-to-date and year-to-date basis, by sales rep. Also included in the report are budgets and the budget variance percentages.

Possible Additional Reports and Processes

DSO090: Forward and Standing Order Release

Retrieve value that determines if an order is to be released only if the preferred deliver date is not equal to 999999.

DSO103: Daily Controls Update and Discrepancy Report

DSO103 updates file DSDLY00P with total daily movement figures for inventory, sales and debtors, and it reports on discrepancies between calculated and actual daily closing balances and is used for daily balancing of the system.

Only to be run by companies which do not have foreign currency transactions.

DSR359: EOM credit analysis by reason code

This program DSR359 has been enhanced with the addition of the Billing number selection from the selection panel so that the report could be printed for the selected billing number.

This program has been enhanced with the addition of a selection range for period and a search for billing number. It will also print additional claim number on the report.

DSR670: Lost Orders

Lost Orders Report shows a reason code for items being lost, together with summarized statistics by each Reason Code. In addition, the report will show Stock Availability information against each item as at the time of the lost sale. A Lost Order will include any lines on backorder and lost.

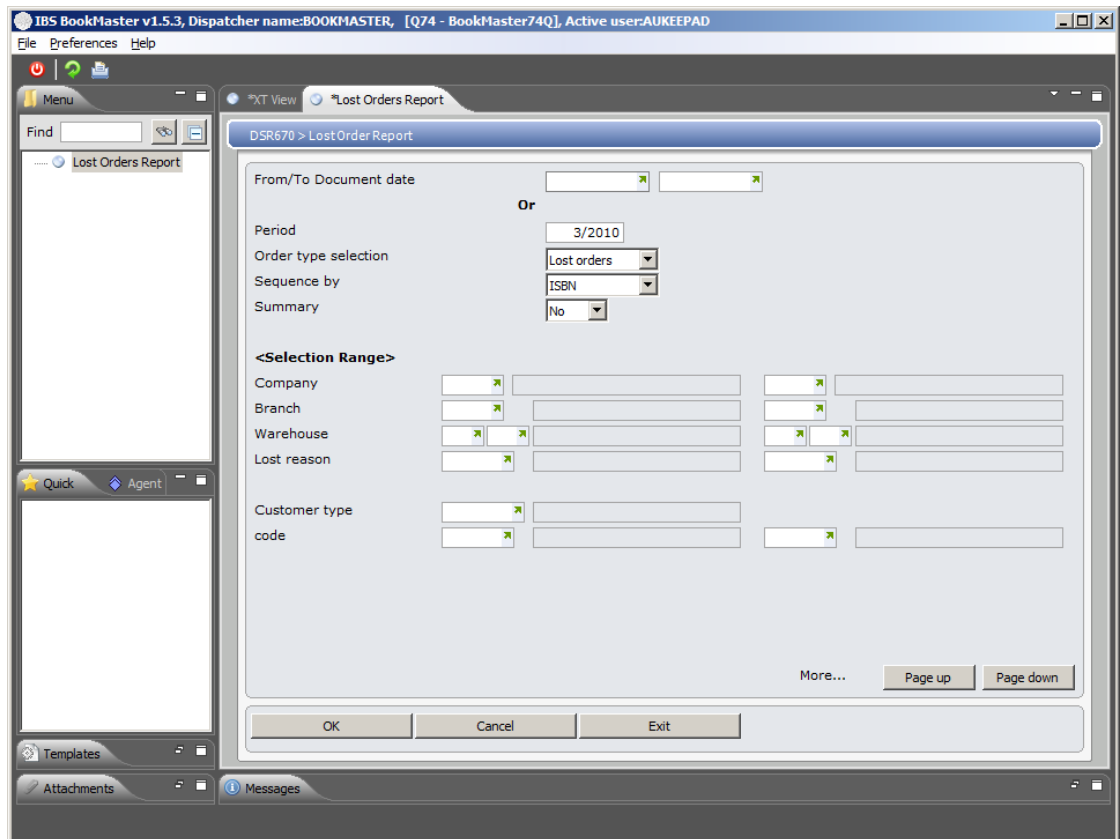
The report will be selected for either daily (by control number) EOD or monthly (by period) for MTD, with a choice of sequence either by:

- Item
- Cust Class/Customer, or
- Reason/Item
- Summary Level only

Each Report Format will print a summary breakdown by Reason Code.

Details printed on the Reports are: Item, Customer, Proc Number, Customer Reference, Stock Status, Lost Reason, Order Quantity, Lost Quantity, Unit Price, Discount %, Amount, SOHQ, SOHA, On Order and On Board.

Non-supply Reason Codes for unsupplied order lines are retrieved based on the definition in **TMSDS/NS-REAS**.



Special Instructions

Add the call to this program, DSO670, in the EOD procedure

Transfer Expired Orders to Lost – DSO557

Backorders are required to be held back for different periods of time for items at different stages if their life cycle. Most customers express their instructions in days, 30, 60, etc. A typical instruction is: Backorder out of stock items for 30 days and not yet released items for 90 days. As a result of these instructions some lines on an order might be cancelled before others.

This program should be included in the End of Day processing program on customer site. This program checks each backorder line against **TMSDS/CC-BOEXP** according to customer backorder expiry classification code and ordered item's stock status and retention days being 20, 60, etc. If the order is expired, then it is transferred from backorder (B) to lost (X) status.

TMSDS/DSO557 contains CC class that is 'CC-BOEXP'. **TMSDS/CC-BOEXP** should be properly setup with retention days for different item stock status. An entry of 'CC-BOEXP' should be in **TMSDS/CC-TYPES**.

All customers with instructions for keeping backorders for different periods of time according to ordered item stock status, should have a classification 'CC-BOEXP' and a code which exists on **TMSDS/CC-BOEXP**. This can be done through customer classification maintenance program.

Examples

This section illustrates examples concerning:

[Example 1: End of Day Processing](#)

Example 1: End of Day Processing

This example describes how to select parameters for the end of day processing.

1. Select menu option PEP End of Day Report from Base Modules> Distribution> Other> Period End Processing> Period End Processing menu.

Following panel is displayed.

Relevant Fields

Job name	This job name displays when viewing the contents of the processing queue.
Job date	The date the job is being run defaults to the current system date.
Start date	The start date defaults to the current system date and can be overridden. If for example, if end of day is to run in the early hours of the following morning.
Start time	The TMSDS/EOD code is TIME and the default entry is user defined. For example an entry of 200000 means the EOD process will start at 8pm sharp. The format is the 24 hour clock catering for minutes and seconds in addition to the hours.
End interactive subsystem	<p>In End of Day Processing the TMSDS/EOD code is ENDINTER and the default could be *NO or *YES.</p> <p>The interactive subsystem is the background processor that allows access to the system. The choices are to stop the background processor while the end of day is being run and if this is the case, an additional option is available to restart it once the end of day has successfully ended.</p> <p>The three options are therefore:</p> <ul style="list-style-type: none">-Yes to stop the background processor-No to allow the background processor to continue-Restart to restart the background processor if it was stopped while end of day was running.
Powerdown at end of job	The TMSDS/EOD code PWRDWN and the options are *NO or *YES. If once the EOD has been successfully completed the system should be shutdown or powered down the entry should be Yes.
Restart data queue at end of job	The TMSDS/EOD code is STRWSQUE and the options are *YES or *NO. This determines whether or not to start the data processing queue once the end of day has been successfully completed.

Restart W/S data
queue at end of job

In End of Day Processing the **TMSDS/EOD** code is STRWSQUE and the options are *YES or *NO. If the Warranty and Service module is not being used by the company, this entry will not/should not appear in the Control File.

The Warranty and Service system has an additional processing queue. Whether or not this Warranty and Service Update should be started once the end of day has been successfully completed is determined by this parameter.

Perform extra end
of week processing

The **TMSDS/EOD** code is EOW. The options are *NO and *YES. If there are additional functions to be performed on a weekly basis, the EOD can be instructed to call a program that will run these additional jobs.

Perform extra end
of month
processing

The **TMSDS/EOD** code is EOM. The options are *NO or *YES.

If the Distribution End of Month and Debtors End of Month are to be called once the End of Day has been run, this parameter can be set to *YES.

Run backup

This parameter determines whether or not the backups should be part of the EOD run or a separate function. The **TMSDS/EOD** code is BACKUP and can be defaulted to *NONE or *START or *END. If a backup is to be run, the option is available to run it before the End of Day is processed or once the End of Day has successfully ended.

Verify interactive
subsystem

The **TMSDS/EOD** code is INTERSBS and the default is usually QINTER. One of the parameters selected for the EOD processing is whether or not to end the interactive subsystem while running the EOD. If Yes, the system will verify that the subsystem listed in the Control File as the interactive subsystem will be the one stopped.

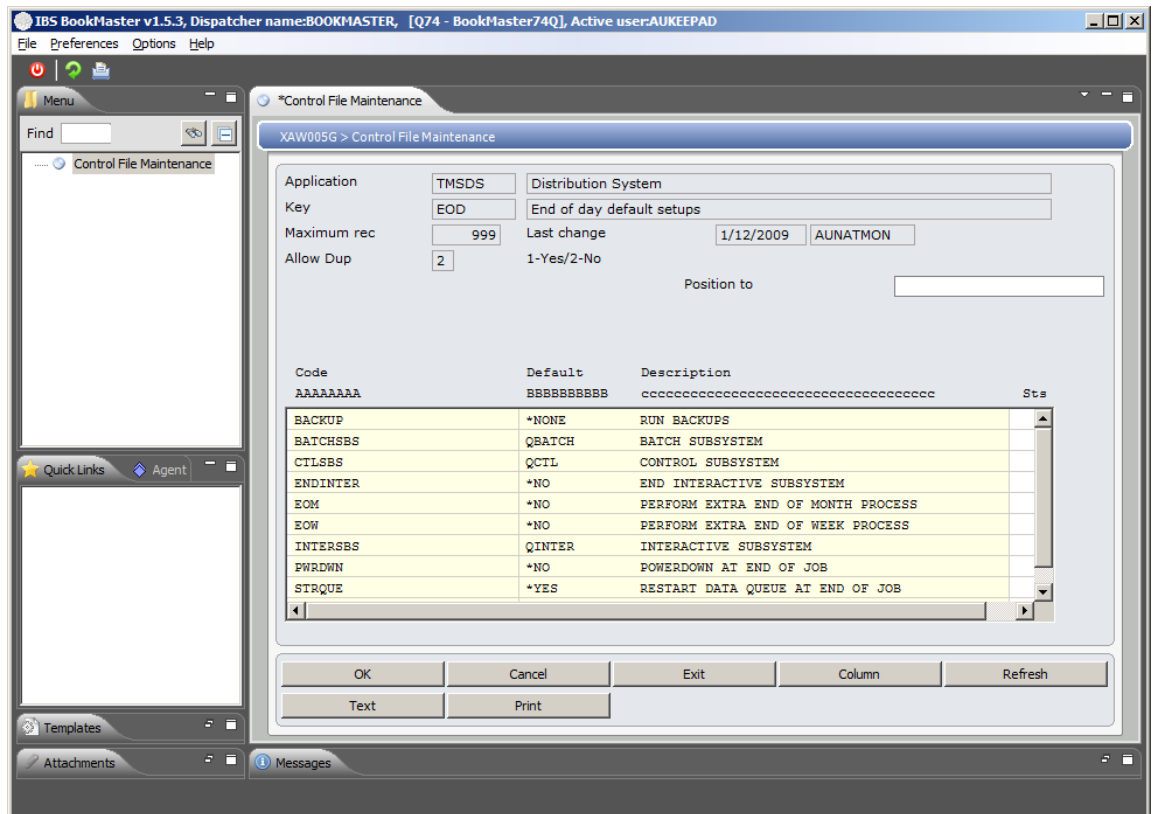
Verify batch sub
system

The **TMSDS/EOD** code is BATCHSBS and the default is usually QBATCH.

Verify control
subsystem

The **TMSDS/EOD** code is CTLSBS and the default is usually QCTL.

2. Key in all required fields and click **OK** to confirm the selection. End of day process will be started. The parameters on the end of day processing panel defaults from **TMSDS/EOD**, a sample of which is shown below.



Data Queue Processor Manager

A control file stops multiple jobs being submitted and also stops multiple jobs running if they were somehow submitted via different means or held up in a job queue.

The 'Submit Job' command, which starts the queue from the End of Day program, uses the routing class **TMSQUE**, which can be setup at a higher priority than other jobs submitted to job queue **QBATCH**. This will increase the priority of the picking slip and invoice jobs in particular, over ordinary reports and will therefore be less likely to delay shipment and delivery of goods consequently giving better service to customers.

Warehouse Queue WI-QUE

All customers using replenishments or a warehouse interface will need to make sure that the **WI-QUE** will work on their site. Other customers may modify these programs to comment out the **WI-QUE** code, if they like.

Cross Reference

- DSO000A OPB - Data Queue processor - Stage 1 (Rls 5/6)