

## **Oracle® Retail Merchandising**

Batch Schedule

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# Preface

This batch schedule document details the integrated cyclical processing schedules for the Oracle Retail Merchandising applications:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Allocation

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**Note:** Although Oracle Retail Allocation is a Merchandising application, it is not represented in this batch schedule because it does not have any batch programs to run. All Allocation processing is online processing.

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This guide describes the periodic and ad hoc phases of batch processing, as well as pre- and post-processing dependencies.

## Audience

The audiences for this guide are as follows:

- Systems analysts and system operations personnel who need information about Merchandising processes, internally or in relation to systems across the enterprise
- Integrators and implementation staff who have the overall responsibility for implementing the Merchandising applications in their enterprise

## Related Documents

For more information, see the following documents for the Oracle Retail Merchandising products:

- Oracle Retail Merchandising Implementation Guide
- Oracle Retail Merchandising System Operations Guide
- Oracle Retail Price Management Operations Guide
- Oracle Retail Invoice Matching Operations Guide
- Oracle Retail Data Warehouse Operations Guide
- Oracle Retail Predictive Application Server documentation
- Oracle Retail Demand Forecasting documentation

## Customer Support

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When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

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**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

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This is a code sample  
It is used to display examples of code

A hyperlink appears like this.



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# Introduction to Merchandising Batch Processing

This chapter is a brief introduction to Oracle Retail batch processing. It defines basic terms and concepts, describes batch processing phases, and explains how to interpret the batch schedule diagram and program list.

## Batch Processing

Batch processing is the execution of a group of batch programs (jobs). The results are returned without user intervention. Batch programs are commonly used for the following reasons:

- To process large volumes of transaction data
- To interface with external systems
- To perform internal maintenance

Batch programs can process very large quantities of data quickly and efficiently. Batch programs can perform some updates that could be performed through online transactions, but much more quickly and with less impact on system performance. Batch processing is usually scheduled for times when systems are idle or least busy.

Batch programs can be run automatically using batch scheduler software. The batch scheduler allows batch jobs to be set up in a specific order, with restrictions attached to any program as needed. If an error occurs with a batch program, an administrator must correct the error and manually rerun the batch program that failed.

## Types of Batch Programs

Oracle Retail batch programs are of several types:

- Upload programs bring data from external systems into the Oracle Retail database. For example, the `posupld` program uploads daily transactions that occur at the point of sale (POS) for processing by the Oracle Retail Management System (RMS).
- Download programs extract data from RMS and format it so it can be used by external systems. For example, the `posdnld` program extracts new and changed information about an item/location for downloading to the point of sale.
- System maintenance programs perform tasks such as updating the system date. For example, the `dtesys` program increments the system date at the end of each batch cycle.
- Functional maintenance programs process data specific to a functional area. For example, the `storeadd` program updates a number of tables to create entries for a new store.

## Batch Window

Because of the impact on production systems, it is not always possible to run batch programs during business hours; however, there is a window of opportunity during each day or night when online systems are not being used. This time frame is the *batch window*. For example, a retailer with stores throughout the continental U.S. might require its online systems to be available from 8 AM Eastern Standard Time, when its East Coast offices open, until 9 PM Pacific Standard Time, when its West Coast stores close. This allows an eight-hour batch window for processing all batch jobs.

## Batch Schedule and Phases

Order is critical when running batch programs. Some tasks need to be performed before others. A batch schedule ensures that every time batch processing is performed, the correct tasks are performed in the proper order.

The batch schedule is a diagram that represents all batch programs and how they are sequenced. For each individual user, the schedule is a suggested starting point for the installation. Some programs are specific to products that may not be installed, so these programs may not be used at all.

The total batch schedule is divided into phases. Each phase must be completed before the next phase can begin. Within a phase, there may also be programs that depend on the completion of another program within that phase, so programs within each phase may need to be run in a particular order.

## Merchandising Batch Schedule

The integrated Merchandising batch schedule combines the batch schedules of all Merchandising applications into a single schedule diagram. The diagram (later in this document) shows the batch dependencies among the Merchandising applications.

The integrated Merchandising batch schedule combines the batch modules for the following applications:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Price Management (RPM)

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**Note:** Although Oracle Retail Allocation is a Merchandising application, it is not represented in this batch schedule because it does not have any batch programs to run. All Allocation processing is online processing.

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## Program List

The columns of the program list provide details about each batch program, as follows:

| Column                     | Description  |
|----------------------------|--|
| Program name               | Name of the program or script  |
| Functional area            | Functional area of the application for which the batch program is run      |
| Threaded                   | Whether the program is threaded (Y/N)                                      |
| Driver                     | Program driver   |
| Phase                      | Phase during which the program is run (see the batch schedule diagram)     |
| Pre-dependency             | Programs that must be completed before the program can be run              |
| Post-dependency            | Programs that must be run after the program completes successfully         |
| Timing                     | How often the program is run (for example, daily, weekly, monthly, ad hoc) |
| Restart/Recovery           | Whether the program uses restart/recovery (R=Yes, N=No)                    |
| Run Parameters for Program | Command syntax to run the program  |

For example, the following shows the information in the program list about an RMS phase 3 program named dealday:

|                  |  |
|------------------|--|
| Program Name     | dealday                                |
| Functional Area  | Deals                                  |
| Threaded         | Y                                      |
| Driver           | Location                               |
| Phase            | 3                                      |
| Pre-dependency   | dealinc, dealfinc, prepost dealday pre |
| Post-dependency  | prepost dealday post, salmnth          |
| Timing           | Monthly                                |
| Restart/Recovery | R                                      |
| Usage            | dealday userid/passwd                  |

The program list is grouped in the following order:

- RMS, RTM, and ReSA programs
- RPM programs
- ReIM programs
- RMS extracts for Retail Predictive Application Server (RPAS)
- RMS extracts for Retail Data Warehouse (RDW)

The extracts for RPAS and RDW are programs that are part of the RMS application.

## Batch Schedule Diagram

The batch schedule diagram illustrates the program list pre- and post-dependency details. The layout and notations of the diagram also illustrate required sequences and other processing details. Executing the Merchandising batch processing in the manner diagrammed ensures that all critical dependencies are met.

For ease of setting up a schedule at client site, and also based on logical application dependencies, the diagram is divided into three main sections:

- RMS, RTM, ReIM
- ReSA
- RPM

Later chapters of this document show data flow diagrams for other batch processes:

- Chapter 4 shows the Retail Extract, Transform, and Load (RETL) data flows for the extracts from RMS to RPAS.
- Chapter 5 shows the RETL dimension and fact data flows for the extracts from RMS to Retail Data Warehouse (RDW).
- Chapter 6 shows the RETL data flow for the Promotion dimension extract from RPM to RDW.
- Chapter 7 shows the RETL data flow for the Supplier Invoice Cost dimension extract from ReIM to RDW.

### RMS, ReIM, RTM Section

The first section diagrams the RMS, ReIM, and RTM programs and their dependencies. This section is further divided into phases 0 through 7, ad hoc, and date set batch.

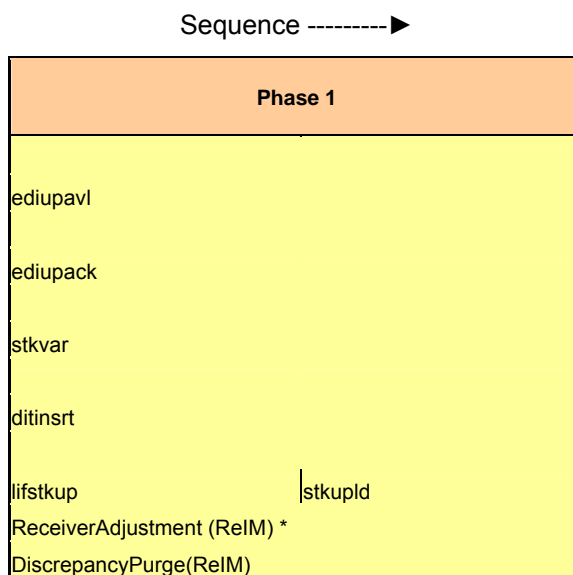
Each phase must be completed before the next phase can begin. Also, a phase may contain programs that depend on other programs within the phase. Programs within each phase may need to run in a particular sequence.

The following are brief descriptions of the Merchandising batch processing phases. Depending on your implementation, some programs and phases may not apply.

| Phase   | Description   |
|---------|---|
| Phase 0 | The first phase performs essential table maintenance including: <ul style="list-style-type: none"> <li>▪ Daily purges</li> <li>▪ Updates to currency exchange rates</li> <li>▪ Updates to value-added tax (VAT) data</li> </ul> |
| Phase 1 | This phase prepares the tables for interfacing with external systems in Phase 2. Among other programs, the stock variance (stkvar) batch program is run to update stock counts.   |
| Phase 2 | During this phase, information is uploaded from external interfaces, including point of sale (POS) data (posupld batch program).  |
| Phase 3 | In this phase, the main RMS processing programs are run for purchasing, ordering, stock ledger, deals, and replenishment.   |

| Phase    | Description  |
|----------|--|
| Phase 4  | This phase pushes data to external sources. Changed system information is rebuilt. Open to buy (OTB) data is updated. Information is sent to the forecasting system.   |
| Phase 5  | This phase consists of ReIM process upload programs.   |
| Phase 6  | This phase consists of ReIM process roll-up programs.  |
| Phase 7  | This phase consists of ReIM process download programs.   |
| Ad Hoc   | Ad hoc batch programs can be run at any time. The ad hoc programs have no phase dependencies.  |
| Date Set | The Date Set phase increments the system date and updates other calendar dates.<br><b>Note:</b> The date set phase should be the very last phase to run. Even the ad hoc programs should be run before the date set program. |

Read the batch schedule diagram from left to right. In the following example, any of the programs (ediupavl, ediupack, stkvar, ditinsrt, lifstkup, ReceiverAdjustment, DiscrepancyPurge) can start at the same time; however, the stkupld program cannot start until the lifstkup program is successfully completed.



## ReSA Section

This section diagrams the ReSA programs and their dependencies.

## RPM Section

This section diagrams the RPM programs and their dependencies.

## Notations in the Batch Schedule Diagram

### Pipes

Pipes are vertical bars ( | ) that represent the dependencies within a phase. Reading left to right, a pipe indicates that one or more programs to the right depend upon completion of one or more programs to the left.

In the following example, the stkupld module depends on the lifstkup module; that is, the stkupld module can be run only after successful completion of the lifstkup module.

|                 |                |
|-----------------|----------------|
| <b>lifstkup</b> | <b>stkupld</b> |
|-----------------|----------------|

In the following example, both of the modules cntnrddb and reqext are dependent on ociroq. Neither cntnrddb nor reqext can be run until the ociroq module has completed successfully.

|               |                                  |
|---------------|----------------------------------|
| <b>ociroq</b> | <b>cntnrddb</b><br><b>reqext</b> |
|---------------|----------------------------------|

In the following example, the ibcalc module is dependent on both ibexpl and cntprss. The ibcalc module cannot be run until both ibexpl and cntprss have completed successfully.

|                                 |               |
|---------------------------------|---------------|
| <b>ibexpl</b><br><b>cntprss</b> | <b>ibcalc</b> |
|---------------------------------|---------------|

### Abbreviations

In the diagram, abbreviations in parentheses that follow program names have the following meanings:

| Abbreviation     | Meaning   |
|------------------|---|
| (perl)           | The module is a Perl script.                                      |
| (FIF)            | The module is related to the Financials application.              |
| (sqlldr)         | There is a sqlloader process to load/ftp the output files.        |
| (rebuild all)    | There is a rebuild process inside the application.                |
| (IM)             | The module is related to Invoice Matching but owned by RMS.       |
| (RMS)            | The module belongs to RMS.  |
| <b>(RMS)</b>     | (Bold type) The RMS module is executed externally to that phase.  |
| (ReSA)           | The module belongs to ReSA.                                       |
| <b>(ReSA)</b>    | (Bold type) The ReSA module is executed externally to that phase. |
| (ReIM)           | The module belongs to ReIM.                                       |
| (RTM)            | The module belongs to RTM.  |
| (Weekly)         | The module is executed weekly.                                    |
| (Monthly)        | The module is executed monthly.                                   |
| (Forms Auditing) | This is an online forms auditing process related to ReSA.         |

## Footnotes

Footnote symbols (\*, \*\*, †, ‡) refer to footnotes that appear below that phase or section of the diagram.

## prepost Program

The prepost program facilitates multi-threading by allowing general system administration functions (such as table deletions or mass updates) to be completed after all threads of a particular program have been processed. The prepost program must be run before, after, or both before and after, programs that require specific processing to run or complete successfully.

In the batch schedule diagram, the prepost program is indicated by “pre” and “post” entries, as in the following examples.

In the following example, pre-processing is required before running the ociroq program.

|            |               |
|------------|---------------|
| <b>pre</b> | <b>ociroq</b> |
|------------|---------------|

In the following example, pre-processing is required before running the stkupd program. Also, post-processing is required after successful completion of the stkupd program.

|            |               |             |
|------------|---------------|-------------|
| <b>pre</b> | <b>stkupd</b> | <b>post</b> |
|------------|---------------|-------------|

In the following example, post-processing is required after successful completion of the sccext program.

|               |             |
|---------------|-------------|
| <b>sccext</b> | <b>post</b> |
|---------------|-------------|



## Modifications to the Batch Schedule

The integrated Merchandising batch schedule shows the dependencies for all the programs that *could* be run by a retailer. Based on many factors, there will always be some programs that a retailer does not run. Determining which programs, or groups of programs, are not required is a job that should be performed at implementation time.

One major factor involves the applications that the retailer has purchased and wants to install:

- For example, a retailer may have purchased RMS, but not ReIM; in this case, the ReIM programs would not be run.
- Another example is that a retailer may not want to use some functionality within an application. Perhaps a retailer purchased RMS but did not purchase the RDW application. In this case, the retailer may not want to run the programs that extract RMS data to be used later by the RDW application.

These major configuration choices also affect whether some programs are used:

- Whether the Retail Integration Bus (RIB) is used  
For more information about configuring the RIB for Merchandising applications, see “Configuring RPM without the RIB” in the “Backend System Administration and Configuration” chapter of the Retail Price Management Operations Guide.
- Whether full-featured or simplified Retail Price Management (RPM) is used  
For more information about configuring simplified RPM, see the “Backend System Administration and Configuration” chapter in the Retail Price Management Operations Guide.
- Whether full-featured or simplified RTM is used  
For more information about configuring simplified RTM, see the “Oracle Retail Trade Management Batch” chapter in Volume 1 of the Retail Merchandising System Operations Guide.



| RMS,RTM,ReSA Program Dependency and Scheduling Details |                                      |          |            |          |  |   |               |                       |  |
|--|--------------------------------------|----------|------------|----------|--|---|---------------|-----------------------|--|
| Program Name   | Functional Area                      | Threaded | Driver     | Phase    | Pre-dependency   | Post-dependency   | Timing        | Uses Restart/Recovery | Run Parameters for Programs  |
| auditprg   | Audit                                | N        | N/A        | N/A      | N/A  | N/A   | daily         | N                     | auditprg userid/passw  |
| auditsys   | Audit                                | N        | N/A        | ad hoc   | N/A  | N/A   | daily         | N                     | auditsys userid/passw  |
| batch_orpos_extract.ksh                                | Point of Sale Interface              | Y        | Store      | 4        | If RPM pricing info is reqd then run after extraction script | prepost poscdnid post   | daily         | N                     | batch_orpos_extract.ksh [-p <no. of threads>] userid/passwd [DIR - location where extracts are to be generated]                                  |
| ccprg  | Costing                              | N        | N/A        | ad hoc   | 'RPMtoORPOSPublishExport.sh'                                 | prepost poscdnid post   | monthly       | N                     | ccprg userid/passwd  |
| cednid   | Trade Management                     | Y        | Broker     | 2        | N/A  | N/A   | daily         | R                     | cednid userid/passwd broker file_name  |
| cmpprg   | Pricing                              | N        | N/A        | ad hoc   | N/A  | N/A   | daily         | N                     | cmpprg userid/passwd   |
| cmpupld  | Pricing                              | N        | N/A        | ad hoc   | N/A  | All RPM batch modules   | ad hoc        | R                     | cmpupld userid/passwd input_file reject_file   |
| cntrmain   | Contracting                          | N        | N/A        | 0        | N/A  | All Replenishment modules   | daily         | R                     | cntrmain userid/passwd   |
| cntrordb   | Contracting                          | Y        | Contract   | 3        | rpjadj   | prepost cntrordb post   | daily         | R                     | cntrordb userid/passwd   |
| cntrprss   | Contracting                          | Y        | Dept       | 3        | rpjext   | rpjbid  | daily         | R                     | cntrprss userid/passwd   |
| costcalc   | Deals                                | Y        | Supplier   | 2        | dtnsrt   | prepost costcalc post   | daily         | R                     | costcalc userid/passwd supplier (May use the batch_costcalc.ksh for launching this program as it is created based on performance considerations) |
| cremhierdy   | Reclassification                     | N        | N/A        | 4        | precostcalc  | recdsly   | daily         | R                     | cremhierdy userid/passwd   |
| dealact  | Deals                                | Y        | Deal Id    | 3        | salstage   | N/A   | daily         | R                     | dealact userid/passwd  |
| dealcis  | Deals                                | N        | N/A        | 3        | prepost dealact_sales pre                                    | N/A   | daily         | R                     | dealcis userid/passwd  |
| dealday  | Deals                                | Y        | Location   | 3        | dealinc  | prepost dealday pos   | monthly       | R                     | dealday userid/passwd  |
| dealex   | Deals                                | Y        | Deal Id    | 3        | precostcalc  | salrmth   | daily         | N                     | dealex userid/passwd   |
| dealfct  | Deals                                | Y        | Deal Id    | 3        | dealinc  | recdsly   | daily         | R                     | dealfct userid/passwd [Y/N - EOM processing ind]   |
| dealfnc  | Deals                                | Y        | Deal Id    | 3        | prepost dealfct pre  | dealfct   | weekly/ad hoc | R                     | dealfnc userid/passwd  |
| dealinc  | Deals                                | Y        | Deal Id    | 3        | dealfct  | dealday   | monthly       | R                     | dealinc userid/passwd [Y/N -EOM processing ind]  |
| dealprg  | Deals                                | N        | N/A        | ad hoc   | salrmth (if monthly)   | N/A   | monthly       | R                     | dealprg userid/passwd  |
| dealupld   | Deals                                | Y        | File-based | 0        | prepost dealinc pre  | (All other deals programs)  | daily         | R                     | dealupld userid/passwd input_file reject_file  |
| dfrtbd   | Item Maintenance                     | Y        | Dept       | 3        | (This program is the first one in Deals batch                | (SQL*Load the output file)  | daily         | R                     | dfrtbd userid/passwd outfile   |
| discoctbply  | OTB                                  | Y        | OTB        | 4        | information is uploaded into Oracle Retail)                  | orddsct   | daily         | R                     | discoctbply userid/passwd  |
| distrocpub   | Pricing/Transfers/Allocation Publish | Y        | Store      | 3        | PriceEventExecutionBatch(RPM)                                | N/A   | daily         | R                     | distrocpub userid/passwd   |
| dtnsrt   | Deals                                | N        | N/A        | 1        |  | costcalc  | daily         | R                     | dtnsrt userid/passwd (P or S) (supplier/partner).  |
| dyprg  | Maintenance                          | N        | N/A        | 0        |  | orddsct   | daily         | N                     | dyprg userid/passwd  |
| docclose   | Receiving                            | N        | N/A        | ad hoc   | N/A  | (All other batch programs)  | daily         | R                     | docclose userid/passwd   |
| dtesys   | Calendar                             | N        | N/A        | date_set | (This program should run at the end of the batch cycle)      | prepost dtesys post   | daily         | N                     | dtesys userid/passwd [ndate-YYYYMMDD format]   |
| dummysctn  | Receiving                            | N        | N/A        | ad hoc   | N/A  | N/A   | daily         | N                     | dummysctn userid/passwd  |
| edidfiact  | Maintenance                          | N        | N/A        | ad hoc   | N/A  | N/A   | ad hoc        | N                     | edidfiact userid/passwd ediddd_output ediddd_catalog   |
| edidcon  | Contracting                          | N        | N/A        | ad hoc   | N/A  | N/A   | ad hoc        | N                     | edidcon userid/passwd edidcon_outfile  |
| edidlinv   | Invoice Matching                     | Y        | Location   | 4        | N/A  | N/A   | daily         | R                     | edidlinv userid/passwd output_filename   |
| edidord  | Ordering                             | N        | N/A        | 4        | ordrev   | N/A   | ad hoc        | R                     | edidord userid/passwd filename   |
| edidprd  | EDI Interface - Sales and Inventory  | N        | N/A        | 4        | (and after replenishment batch)                              | prepost edidprd pos   | daily         | R                     | edidprd userid/passwd filename   |
| ediprg   | EDI Interface - Purge                | N        | N/A        | ad hoc   | prepost edidprd pre  | N/A   | monthly       | R                     | ediprg userid/passwd   |
| ediupadd   | Maintenance                          | N        | File-based | 2        | (Towards the end of the batch cycle)                         | N/A   | daily         | N                     | ediupadd userid/passwd input_file reject_file  |
| ediupack   | EDI Interface - ordering             | N        | N/A        | 1        | N/A  | N/A   | ad hoc        | R                     | ediupack userid/passwd data_file reject_file   |
| ediupavl   | EDI Interface - Contracts            | N        | File-based | 1        | N/A  | N/A   | daily         | R                     | ediupavl userid/passwd input_file reject_file  |
| ediupcat   | EDI Interface - Suppliers            | N        | File-based | ad hoc   | N/A  | N/A   | daily         | R                     | ediupcat userid/passwd ed_data_file error_file   |
| fcstprg  | Forecasting                          | Y        | Domain Id  | ad hoc   | prepost fcstprg pre  | prepost fcstprg posi  | daily         | N                     | fcstprg userid/passwd domain   |
| fcstbrld   | Forecasting                          | Y        | Domain Id  | 3        | N/A  | prepost fcstbrld post   | weekly        | R                     | fcstbrld userid/passwd   |
| fcstbrld_sbc   | Forecasting                          | Y        | Domain Id  | 3        | prepost fcstbrld post  | salstage  | weekly        | R                     | fcstbrld_sbc userid/passwd   |
| filgldn1   | Financial Interface                  | Y        | Dept       | 3        | prepost filgldn1 post  | salapnd   | daily         | R                     | filgldn1 userid/passwd   |
| filgldn2   | Financial Interface                  | Y        | Dept       | 3        | salstage   | salapnd   | daily         | R                     | filgldn2 userid/passwd   |
| filgldn3   | Financial Interface                  | Y        | Store/Wh   | 3        | salrmth  | N/A   | monthly       | R                     | filgldn3 userid/passwd   |
| finvsnrid  | Planning System Interface            | N        | N/A        | ad hoc   | N/A  | N/A   | ad hoc        | R                     | finvsnrid userid/passwd  |
| gcupld   | Misc Interface - Taxgeocode          | N        | N/A        | ad hoc   | N/A  | N/A   | ad hoc        | R                     | gcupld <username>password@environment> <infile> <outfile>  |
| genpreiss  | Ordering                             | Y        | Supplier   | ad hoc   | N/A  | N/A   | ad hoc        | R                     | genpreiss userid/passwd  |
| gradupld   | Forecasting                          | N        | File-based | ad hoc   | N/A  | N/A   | ad hoc        | R                     | gradupld userid/passwd input_file rej_file   |
| hstbld   | Sales                                | Y        | Location   | 3        | posupld  | prepost hstbld post   | weekly        | R                     | hstbld userid/passwd level(weekly/rebuild)   |
| hstbld_diff  | Sales                                | N        | N/A        | ad hoc   | hstbld   | N/A   | ad hoc        | N                     | hstbld_diff userid/passwd  |
| hstbldmth  | Sales                                | Y        | Dept       | 3        | posupld  | prepost hstbldmth post  | monthly       | R                     | hstbldmth userid/passwd level(monthly/rebuild)   |
| hstbldmth_diff   | Sales                                | N        | N/A        | ad hoc   | N/A  | prepost hstbld post   | ad hoc        | N                     | hstbldmth_diff userid/passwd   |
| hstmthupd  | Sales                                | Y        | Location   | 3        | (The program should be run on the last day of the month).    | (Run SQL*Loader using the control file hstmthupd.ctl to load data from the output file written by HSTMTHUPD.PC for non-existent records on ITEM_LOC_HIST_MTH) | monthly       | R                     | hstmthupd userid/passwd (out_file)   |
| hstprg   | Sales                                | N        | N/A        | ad hoc   | N/A  | N/A   | monthly       | N                     | hstprg userid/passwd   |
| hstprg_diff  | Sales                                | N        | N/A        | ad hoc   | N/A  | N/A   | weekly        | N                     | hstprg_diff userid/passwd  |
| hstwkupd   | Sales                                | Y        | Store/Wh   | 3        | N/A  | Run SQL*Loader using the control file hstwkupd.ctl to load data from the output file written by HSTWKUPD.PC for non-existent records on ITEM_LOC_HIST         | weekly        | R                     | hstwkupd userid/passwd (out_file)  |
| htsupld  | Trade Management                     | Y        | File-based | ad hoc   | Hts240_2400 (perl script)                                    | N/A   | ad hoc        | R                     | htsupld userid/passwd input_file reject_file country_id ; perl hts_240_2400 inputfile outfile ; perl ushts2rms inputfile rejectfile              |
| ibcalc   | Investment Buy                       | Y        | Dept       | 3        | prepost htupld pre   | rpjbid  | daily         | R                     | ibcalc userid/passwd   |
| ibexpt   | Investment Buy                       | N        | N/A        | 3        | replext  | ibcalc  | daily         | N                     | ibexpt userid/passwd   |

P or S = program is either run for deals set up by supplier/partner is selected by

appropriate calling script and passed into program. Note: (May use the batch\_dtnsrt.ksh for launching this program as it is created based on performance considerations)

|                 |                           |   |                  |            |  |                        |         |   |   |
|-----------------|---------------------------|---|------------------|------------|--|------------------------|---------|---|---|
| invaprg         | Inventory Adjustments     | N | N/A              | ad hoc     | N/A  | N/A                    | monthly | N | invaprg user/passwd   |
| invclshp        | Invoice Matching          | N | N/A              | 2          | N/A  | N/A                    | daily   | N | invclshp user/passwd  |
| invprg          | Invoice Matching          | N | N/A              | ad hoc     | ordbrg                                     | N/A                    | monthly | R | invprg user/passwd  |
| icadnrid        | Letter of Credit          | N | N/A              | 4          | N/A  | lcm700 (perl script)   | daily   | R | icadnrid user/passwd output_file  |
| icribld         | Maintenance - Location    | N | N/A              | ad hoc     | storeadc                                   | N/A                    | monthly | R | icribld user/passwd   |
| lcmdnrid        | Letter of Credit          | N | N/A              | 4          | N/A  | lcm707 (perl script)   | daily   | R | lcmdnrid user/passwd output_file  |
| lcup798         | Letter of Credit          | N | N/A              | 2          | N/A  | lcm798 (perl script)   | daily   | R | lcup798 user/passwd input_file rej_file   |
| lcupld          | Letter of Credit          | N | N/A              | 2          | N/A  | lcm730 (perl script)   | daily   | R | lcupld user/passwd input_file rej_file  |
| lftskup         | Stock Ledger              | N | File-based       | 1          | inv_bal_upload.sh (warehouse mgmt program) | stkupld                | daily   | N | lftskup user/passwd input_file output_file  |
| likestore       | Maintenance - Location    | Y | Dept             | ad hoc     | storeadc                                   | prepost likestore pos  | daily   | R | likestore user/passwd   |
| mrt             | Mass Return Transfers     | Y | Warehouse        | 2          | N/A  | mrttrv                 | daily   | R | mrt user/passwd   |
| mrtprg          | Mass Return Transfers     | Y | Warehouse        | ad hoc     | N/A  | mrtupd                 | ad hoc  | R | mrtprg user/passwd  |
| mrttrv          | Mass Return Transfers     | Y | Warehouse        | 2          | mrt  | mrtupd                 | daily   | R | mrttrv user/passwd  |
| mrtupd          | Mass Return Transfers     | Y | Warehouse        | 2          | mrttrv                                     | N/A                    | daily   | R | mrtupd user/passwd  |
| nwppurge        | Stock Ledger              | N | N/A              | ad hoc     | N/A  | N/A                    | ad hoc  | N | nwppurge user/passwd  |
| nwpyearend      | Stock Count               | Y | Location         | 4          | N/A  | N/A                    | yearly  | R | nwpyearend user/passwd  |
| ociroq          | Replenishment             | N | N/A              | 3          | repladj                                    | N/A                    | daily   | R | ociroq user/passwd  |
| onictext        | Planning System Interface | Y | Transfer         | 4          | onorddnd                                   | onorddnd               | weekly  | R | onictext user/passwd datefil  |
| onordnrid       | Planning System Interface | Y | Store/Wh         | 4          | onictext                                   | N/A                    | daily   | R | onordnrid user/passwd   |
| onordext        | Planning System Interface | Y | Order            | 4          | onictext                                   | N/A                    | daily   | R | onordext user/passwd datefil  |
| ordautcl        | Ordering                  | N | N/A              | ad hoc     | N/A  | N/A                    | daily   | N | ordautcl user/passwd  |
| orddscent       | Deals                     | Y | Supplier         | 4          | discothapply                               | discothapply           | daily   | R | orddscent user/passwd   |
| ordbrg          | Ordering                  | N | N/A              | ad hoc     | dealcals                                   | dealcals               | monthly | N | ordbrg user/passwd  |
| ordrev          | Ordering                  | N | N/A              | 4          | eddlord                                    | eddlord                | daily   | R | ordrev user/passwd  |
| ordupd          | Ordering                  | N | N/A              | 4          | obdnrid                                    | obdnrid                | daily   | N | ordupd user/passwd  |
| otbdord         | OTB                       | N | N/A              | 4          | otbdord                                    | otbdord                | daily   | R | otbdord user/passwd output_file   |
| otbdisal        | OTB                       | N | N/A              | 4          | otbdord                                    | otbdord                | daily   | R | otbdisal user/passwd output_file  |
| otbdnrid        | OTB                       | N | N/A              | 4          | otbdord                                    | otbdord                | daily   | R | otbdnrid user/passwd output_file  |
| otbprg          | OTB                       | N | N/A              | ad hoc     | N/A  | N/A                    | monthly | N | otbprg user/passwd  |
| otbuplwd        | OTB                       | Y | File-based       | ad hoc     | N/A  | N/A                    | daily   | R | otbuplwd user/passwd input_file reject_fil  |
| otbupld         | OTB                       | Y | File-based       | ad hoc     | N/A  | N/A                    | daily   | R | otbupld user/passwd input_file reject_fil   |
| poscdnrid       | Point of Sale Interface   | Y | N/A              | 4          | poscdnrid                                  | prepost poscdnrid post | daily   | R | poscdnrid user/passwd outputfil   |
| posidnrid       | Point of Sale Interface   | Y | Store            | ad hoc     | N/A  | prepost posidnrid post | daily   | R | posidnrid user/passwd output_filename   |
| pospgdld        | Point of Sale Interface   | Y | N/A              | 4          | recldsy                                    | N/A                    | daily   | R | pospgdld user/passwd output_file  |
| posupld         | Sales                     | Y | File-based       | 2          | saexprms(ReSA)                             | prepost posupld post   | daily   | R | posupld user/passwd infile rejfile vaffile itemtile locktile  |
| precostcalc     | Deals                     | Y | Supplier         | 2          | dtinst                                     | precostcalc            | daily   | R | precostcalc user/passwd supplier (May use the batch_precostrcalc.ksh for launching this program as it is created based on performance considerations)                         |
| prepost         | Pre/post functionality    | N | N/A              | all phases | N/A  | N/A                    | daily   | N | prepost user/passwd program pre_or_pos  |
| recldsy         | Item Maintenance          | Y | Reclass no       | 4          | cremhierdy                                 | prepost recldsy post   | daily   | R | recldsy user/passwd process_mode  |
| repladj         | Replenishment             | Y | Dept             | 3          | rplatupd                                   | request                | daily   | R | repladj user/passwd   |
| replsizeprofile | Replenishment             | N | N/A              | ad hoc     | prepost replsizeprofile pre                | N/A                    | ad hoc  | N | replsizeprofile user/passwd Y/N. (Y/N indicator indicates if allocations is installed or not, if installed pre job for thi program has to be run prepost replsizeprofile pre) |
| request         | Replenishment             | Y | Partition (Item) | 3          | prepost ociroq pre                         | prepost request post   | daily   | R | request user/passwd partition_position (May use the batch_request.ksh for launching this program as it is created based on performance considerations)                        |
| rlmaint         | Replenishment             | Y | Location         | 3          | prepost request pre                        | prepost rlmaint post   | daily   | R | rlmaint username/password   |
| rplapprv        | Replenishment             | N | N/A              | 3          | storeadc                                   | repladj                | daily   | R | rplapprv user/passwd  |
| rplathistprg    | Replenishment             | N | N/A              | ad hoc     | scocext                                    | repladj                | ad hoc  | N | rplathistprg user/passwd (This batch may be run only if repl_attr_hist_retention_weeks in system_options table is set)  |
| rplatupd        | Replenishment             | Y | Location         | 3          | rplatupd                                   | repladj                | daily   | R | rplatupd user/passwd  |
| rpblld          | Replenishment             | Y | Supplier         | 3          | supcnstr                                   | request                | daily   | R | rpblld username/password  |
| rplext          | Replenishment             | Y | Dept             | 3          | repladj                                    | request                | daily   | R | rplext user/passwd dept (May use the batch_rplext.ksh for launching this program as it is created based on performance considerations)  |
| rpbrg           | Replenishment             | N | N/A              | ad hoc     | repladj                                    | request                | daily   | N | rpbrg user/passwd   |
| rpbrg_month     | Replenishment             | N | N/A              | ad hoc     | repladj                                    | request                | monthly | N | rpbrg_month user/passwd   |
| rpbrg           | Replenishment             | Y | Supplier         | 3          | repladj                                    | request                | daily   | R | rpbrg user/passwd   |
| rpmovavg        | Pricing                   | Y | Store            | 3          | repladj                                    | request                | daily   | R | rpmovavg user/passwd business_date(YYYYMMDD) store(optiona  |
| rtvprg          | RTV                       | N | N/A              | ad hoc     | repladj                                    | request                | monthly | N | rtvprg user/passwd  |
| sacrypt         | Sales Audit               | Y | Store/Day        | SA         | repladj                                    | request                | daily   | N | sacrypt user/passwd infile outfile key_file e/d (Encryption/Decryption indicato   |
| saescheat       | Sales Audit               | N | N/A              | SA         | repladj                                    | request                | monthly | R | Note: outfile generated by batch is infile for saimptlog.   |
| saexpach        | Sales Audit               | N | N/A              | SA         | repladj                                    | request                | daily   | R | saescheat user/passwd   |
| saexpgl         | Sales Audit               | N | N/A              | SA         | repladj                                    | request                | daily   | R | saexpach user/passwd  |
| saexpim         | Sales Audit               | N | N/A              | SA         | repladj                                    | request                | daily   | R | saexpgl user/passwd   |
| saexpim         | Sales Audit               | Y | Store            | SA         | repladj                                    | request                | daily   | R | saexpim user/passwd   |
| saexpim         | Sales Audit               | Y | Store            | SA         | repladj                                    | request                | daily   | R | saexpim user/passwd ; perl resa2rdw inputfile outputfil   |
| saexprms        | Sales Audit               | Y | Store            | SA         | repladj                                    | request                | daily   | R | saexprms user/passwd  |

|              |                          |   |             |          |   |   |             |   |  |
|--------------|--------------------------|---|-------------|----------|---|---|-------------|---|--|
| saexpuar     | Sales Audit              | N | N/A         | SA       | satotals<br>sarules<br>sapreexp   | N/A   | daily       | R | saexpuar userid/passwd<br>saqetref userid/passwd wastefile ref_itemfile prim_variantfile varupcfile storedayfile codesfile errorfile covall<br>storeposfile tendertypefile merchcodesfile partnerfile supplierfile employeefile bannerfile.<br>(To prevent a file from being written, place a '-' in its place. Note: Item files must all be written together).<br>saimpadj userid/passwd input_file rej_fil |
| saqetref     | Sales Audit              | N | N/A         | SA       | sastdycr  | saimptlog   | daily       | R |  |
| saimpadj     | Sales Audit              | N | N/A         | SA       | satotals<br>saprepost saimptlogin   | satotals<br>saprepost saimptlog post<br>(Use sql Loader to load data into<br>ReSA tables)                       | daily       | R |  |
| saimptlog    | Sales Audit              | Y | Store/Day   | SA       | saqetref<br>saprepost saimptlog pre   |   | daily       | N | saimptlog user/infile badfile itemfile wastefile refitemfile primvariantfile varupcfile storedayfile promfile codesfile<br>errorfile covallfile storeposfile tendertypefile merchcodefile partnerfile supplierfile employeefile bannerfile   |
| saimptlogin  | Sales Audit              | N | N/A         | SA       | saimptlog<br>savouch<br>salstage<br>fflgldn1  | satotals  | daily       | R | saimptlogin userid/passwd store_day_file   |
| salapnd      | Stock Ledger             | N | N/A         | 3        | fflgldn2  | N/A   | daily       | R | salapnd userid/passwd  |
| saldy        | Stock Ledger             | Y | Store/Wh    | 3        | salstage  | salweek   | daily       | R | saldy userid/passwd  |
| salech       | Stock Ledger             | Y | Dept        | 3        | salmth  | N/A   | half yearly | N | salech userid/passwd   |
| salins       | Sales                    | N | N/A         | 0        | N/A   | N/A   | daily       | R | salins userid/passwd   |
| salmaint     | Stock Ledger             | N | N/A         | ad hoc   | N/A   | N/A   | half yearly | N | salmaint userid/passwd pre_or_post   |
| salmth       | Stock Ledger             | Y | Dept        | 3        | pre_week<br>pre_dwl_extract.ksh(RMS to RDW RETL<br>Extract)   | prepost salmth post   | monthly     | R | salmth userid/passwd   |
| salprg       | Stock Ledger             | N | N/A         | ad hoc   | N/A   | N/A<br>saldy<br>salapnd<br>salweek<br>deallct<br>rmmovavg<br>fflgldn1<br>fflgldn2                               | daily       | N | salprg userid/passwd   |
| salstage     | Stock Ledger             | N | N/A         | 3        | posupld<br>saldy<br>stkdy<br>salapnd<br>prepost salweek pre<br>deallct<br>dealinc<br>vendinv                                |   | daily       | N | salstage userid/passwd   |
| salweek      | Stock Ledger             | Y | Dept        | 3        | vendinvf  | salmth  | weekly      | R | salweek userid/passwd  |
| sapreexp     | Sales Audit              | N | N/A         | SA       | SA audit process  | prepost salweek post<br>(Before any SA export process   | daily       | R | sapreexp userid/passwd   |
| saprepost    | Sales Audit              | N | N/A         | SA       | N/A<br>saprepost sapurge pre<br>(This program should be run as the last program<br>in the ReSA batch schedule)              | N/A<br>saprepost sapurge post<br>sapreexp<br>saescheat  | daily       | N | saprepost userid/passwd program_pre_or_post  |
| sapurge      | Sales Audit              | Y | Store       | SA       |   |   | daily       | R | sapurge userid/passwd deleted_items_file [optional list of store days to be deleted]   |
| sarules      | Sales Audit              | N | N/A         | SA       | satotals<br>(It should run before the DTESYS batch<br>program and before the next store/day's<br>transactions are received) | sapreexp<br>saescheat   | daily       | R | sarules userid/passwd store_no   |
| sastdycr     | Sales Audit              | N | N/A         | date_set | dtesys  | dtesys  | daily       | R | sastdycr userid/passwd [YYYYMMDD]  |
| satotals     | Sales Audit              | N | N/A         | SA       | saimptlogin   | sarules   | daily       | R | satotals userid/passwd store_no  |
| savouch      | Sales Audit              | N | N/A         | SA       | saimptlog (and its SQL Load process   | saimptlogin   | daily       | R | savouch userid/passwd infile rejfile tendertype_fil  |
| scocext      | Costing                  | Y | Cost change | 3        | ctsisdix.ksh (RMS to RDW RETL extract)  | prepost scocext post  | daily       | R | scocext userid/passwd  |
| schedrg      | Organizational Hierarchy | N | N/A         | ad hoc   | N/A   | N/A   | monthly     | R | schedrg userid/passwd  |
| stmain       | Item Maintenance         | N | N/A         | ad hoc   | icribld   | N/A   | ad hoc      | R | stmain userid/passwd   |
| soutndid     | Forecasting              | Y | Domain Id   | 4        | N/A   | N/A   | daily       | R | soutndid userid/passwd   |
| stkdy        | Stock Ledger             | Y | Dept        | 3        | stkvar  | salweek   | daily       | R | stkdy userid/passwd  |
| stkprg       | Stock Ledger             | N | N/A         | ad hoc   | N/A   | prepost stkprg post   | monthly     | N | stkprg userid/passwd   |
| stkschedxpld | Stock Ledger             | Y | Location    | 0        | N/A<br>prepost stkupd pre   | stkupld   | daily       | R | stkschedxpld userid/passwd   |
| stkupd       | Stock Ledger             | Y | Location    | 3        | stkupld   | prepost stkupd post   | daily       | R | stkupd userid/passwd   |
| stkupld      | Stock Ledger             | Y | Dept        | 1        | lftskup   | N/A   | daily       | R | stkupld userid/passwd input_file reject_fil  |
| stkvar       | Stock Ledger             | Y | Dept        | 1        | N/A<br>stkschedxpld   | N/A   | daily       | R | stkvar userid/passwd [ report_file_name  |
| stksxpld     | Stock Ledger             | Y | Dept        | 3        | wasteadj  | stkupd  | daily       | R | stksxpld userid/passwd   |
| stgdnld      | Stock Ledger             | Y | Dept        | 4        | N/A   | N/A   | weekly      | R | stgdnld userid/passwd input_file   |
| storeadd     | Maintenance - Location   | N | N/A         | ad hoc   | N/A   | likestore   | daily       | R | storeadd userid/passwd   |
| supcnstr     | Replenishment            | N | N/A         | 3        | rpblld  | rpblld  | daily       | R | supcnstr userid/passwd   |
| supmth       | Stock Ledger             | Y | Dept        | 3        | N/A   | prepost supmth post   | monthly     | R | supmth userid/passwd   |
| tamperctr    | Receiving                | N | N/A         | ad hoc   | N/A   | N/A   | ad hoc      | N | tamperctrn userid/passwd   |
| tkctdnld     | Maintenance              | N | N/A         | ad hoc   | N/A   | N/A   | daily       | R | tkctdnld userid/passwd filename print_online_ind days_in_advance [locator  |
| tlfposdn     | Sales Tax                | N | N/A         | 4        | trposdn   | prepost tlfposdn post   | daily       | R | tlfposdn userid/passwd output_file   |
| tranupld     | Trade Management         | Y | File-based  | ad hoc   | N/A   | N/A   | daily       | R | tranupld userid/passwd infile  |
| tsfprg       | Transfers                | N | N/A         | ad hoc   | N/A   | N/A   | monthly     | R | tsfprg userid/passwd   |
| trposdn      | Point of Sale Interface  | N | N/A         | 4        | N/A   | tlfposdn  | daily       | R | trposdn userid/passwd  |
| trrupld      | Sales Tax                | N | N/A         | 4        | N/A   | N/A   | ad hoc      | R | trrupld username/password input_file reject_fil  |
| vatdkgpl     | Maintenance - VAT        | Y | Vat Region  | 0        | N/A<br>prepost vatdkgpl post<br>deallct<br>salstage(if daily)<br>prepost vendinv pre  | prepost vatdkgpl pos<br>salweek(if weekly)<br>salmth (if monthly)<br>prepost vendinv post<br>salweek(if weekly) | daily       | R | vatdkgpl userid/passwd   |
| vendinvc     | Deals                    | Y | Deal Id     | 3        | salstage(if daily)<br>prepost vendinv pre   | salmth (if monthly)<br>prepost vendinv post<br>salweek(if weekly)   | daily       | R | vendinvc userid/passwd   |
| vendinvf     | Deals                    | Y | Deal Id     | 3        | salstage(if daily)<br>prepost vendinv pre   | salmth (if monthly)<br>prepost vendinv post<br>salweek(if weekly)   | daily       | R | vendinvf userid/passwd   |
| vrplbld      | Replenishment            | Y | Supplier    | 2        | ediupack  | prepost vrplbld post  | daily       | R | vrplbld userid/passwd  |
| wasteadj     | Stock Ledger             | Y | Store       | 3        | N/A   | stkupld   | daily       | R | wasteadj userid/passwd   |
| whadd        | Maintenance - Location   | N | N/A         | ad hoc   | N/A   | N/A   | daily       | R | whadd userid/passwd  |
| whstrasg     | Maintenance - Location   | N | N/A         | 3        | (Must be run after all replenishment batch<br>programs).  | prepost whstrasg post   | daily       | R | whstrasg userid/passwd   |

| RPM Dependency and Scheduling Details   |                                    |          |                        |       |  |                                   |              |                       |   |
|---|------------------------------------|----------|------------------------|-------|--|-----------------------------------|--------------|-----------------------|---|
| Program Name  | Functional Area                    | Threaded | Driver                 | Phase | Pre-dependency                                   | Post-dependency                   | Timing       | Uses Restart/Recovery | Run Parameters for Programs   |
| ItemReclassBatch  | Future Retail                      | N        | N/A                    | N/A   | recdsdy(RMS)                                     | NewItemLocBatch                   | daily/ad hoc | N                     | ItemReclassBatch.sh rpm-app-userid password   |
| NewItemLocBatch   | Future Retail                      | N        | N/A                    | N/A   | storeadd(RMS), ItemReclassBatch                  | LocationMoveBatch                 | daily/ad hoc | N                     | NewItemLocBatch.sh rpm-app-userid password [status [error-commit-count]                                   |
| LocationMoveBatch   | Zone Structure/Future Retail       | Y        | Location move          | N/A   | NewItemLocBatch                                  | PriceEventExecutionBatch          | daily        | N                     | locationMoveBatch.sh rpm-app-userid password  |
| PriceEventExecutionBatch  | Price Change/Clearance/Promotion   | Y        | Pricing event          | N/A   | LocationMoveBatch                                | PriceEventExecutionRMSBatch       | daily        | N                     | priceEventExecutionBatch.sh rpm-app-userid password   |
| PriceEventExecutionRMSBatch   | Price Change/Clearance/Promotion   | Y        | Pricing event          | N/A   | salstage (RMS)                                   | PriceEventExecutionDealsBatch     | daily        | N                     | priceEventExecutionRMSBatch.sh rpm-app-userid password  |
| PriceEventExecutionDealsBatch   | Price Change/Clearance/Promotion   | Y        | Pricing event          | N/A   | PriceEventExecutionRMSBatch                      | MerchExtractKickOffBatch          | daily        | N                     | priceEventExecutionDealsBatch.sh rpm-app-userid password  |
| PriceStrategyCalendarBatch  | Price Strategy                     | N        |                        | N/A   | N/A  | MerchExtractKickOffBatch          | daily        | N                     | priceStrategyCalendarBatch.sh rpm-app-userid password   |
| WorksheetAutoApproveBatch   | Pricing Worksheet                  | Y        | Price strategy         | N/A   | PriceEventExecutionBatch                         | MerchExtractKickOffBatch          | daily        | N                     | worksheetAutoApproveBatch.sh rpm-app-userid password  |
|   |                                    |          |                        |       | storeadd (RMS)                                   |                                   |              |                       |   |
| MerchExtractKickOffBatch  | Pricing Worksheet                  | Y        | Price strategy         | N/A   | WorksheetAutoApproveBatch                        | N/A                               | daily        | N                     | merchExtractKickOffBatch.sh rpm-app-userid password   |
| RPMtoORPOSPublishBatch.sh   | Price Change/Clearance/Promotion   | N        | N/A                    | N/A   | PriceStrategyCalendarBatch                       | N/A                               | daily        | N                     | merchExtractKickOffBatch  |
|   |                                    |          |                        |       | MerchExtractKickOffBatch                         |                                   |              |                       |   |
|   |                                    |          |                        |       | WorksheetAutoApproveBatch                        |                                   |              |                       | ksh RPMtoORPOSPublishBatch.sh <userid/passwd@sid > <log path> <error path>                                |
| RPMtoORPOSPublishExport.sh  | Price Change/Clearance/Promotion   | Y        | Location               | N/A   | RPMtoORPOSPublishBatch.sh                        | N/A                               | daily        | N                     | ksh RPMtoORPOSPublishExport.sh <userid/passwd@sid > <Numberof slots> <logpath> <error path> <Export path> |
| RegularPriceChangePublishBatch  | Regular Price Changes              | Y        | Price event (item/loc) | N/A   | WorksheetAutoApproveBatch                        | RegularPriceChangePublishExport   | daily/ad hoc | N                     | regularPriceChangePublishBatch.sh rpm-app-userid password   |
| regularPriceChangePublishExport   | Regular Price Changes              | N        | Price event (item/loc) | N/A   | RegularPriceChangePublishBatch                   |                                   | daily/ad hoc | N                     | regularPriceChangePublishExport.sh rpm-db-userid/pwd@database [export-path]                               |
| ClearancePriceChangePublishBatch  | Clearances                         | Y        | Price event (item/loc) | N/A   | WorksheetAutoApproveBatch                        | ClearancePriceChangePublishExport | daily/ad hoc | N                     | clearancePriceChangePublishBatch.sh rpm-app-userid password   |
| ClearancePriceChangePublishExport   | Clearances                         | N        | Price event (item/loc) | N/A   | ClearancePriceChangePublishBatch                 |                                   | daily/ad hoc | N                     | clearancePriceChangePublishExport.sh rpm-db-userid/pwd@database [export-path]                             |
| PromotionPriceChangePublishBatch  | Promotions                         | Y        | Price event (item/loc) | N/A   | WorksheetAutoApproveBatch                        | PromotionPriceChangePublishExport | daily/ad hoc | N                     | promotionPriceChangePublishBatch.sh rpm-app-userid password   |
| PromotionPriceChangePublishExport   | Promotions                         | N        | Price event (item/loc) | N/A   | PromotionPriceChangePublishBatch                 |                                   | daily/ad hoc | N                     | promotionPriceChangePublishExport.sh rpm-db-userid/pwd@database [export-path]                             |
| PriceChangeAutoApproveResultsPurgeBatch   | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | priceChangeAutoApproveResultsPurgeBatch.sh rpm-app-userid password  |
| PriceChangePurgeBatch   | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | priceChangePurgeBatch.sh rpm-app-userid password  |
| PriceChangePurgeWorkspaceBatch  | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | priceChangePurgeWorkspaceBatch.sh rpm-app-userid password   |
| PromotionPurgeBatch   | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | promotionPurgeBatch.sh rpm-app-userid password  |
| PurgeExpiredExecutedOrApprovedClearancesBatch                                   | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | purgeExpiredExecutedOrApprovedClearancesBatch.sh rpm-app-userid password                                  |
| PurgeUnusedAndAbandonedClearancesBatch  | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | purgeUnusedAndAbandonedClearancesBatch.sh rpm-app-userid password   |
| PurgeLocationMovesBatch   | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | daily/ad hoc | N                     | purgeLocationMovesBatch.sh rpm-app-userid password  |
| ZoneFutureRetailPurgeBatch  | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | ad hoc       | N                     | zoneFutureRetailPurgeBatch.sh rpm-app-userid password   |
| ItemLocDeleteBatch  | Purge                              | N        | N/A                    | N/A   | N/A  | N/A                               | ad hoc       | N                     | itemLocDeleteBatch.sh rpm-app-userid password   |
| priceChangeAreaDifferentialBatch  | Price Change                       | Y        | N/A                    | N/A   | N/A  | N/A                               | ad hoc       | N                     | priceChangeAreaDifferentialBatch rpm-app-userid password  |
| ReIM Dependency and Scheduling Details  |                                    |          |                        |       |  |                                   |              |                       |   |
| Program Name  | Functional Area                    | Threaded | Driver                 | Phase | Pre-dependency                                   | Post-dependency                   | Timing       | Uses Restart/Recovery | Run Parameters for Programs   |
| AutoMatch   | Invoice Matching (ReIM)            | Y        | N/A                    | 6     | N/A  | ReasonCodeActionRollup            | daily        | R                     | AutoMatch userid/passwd   |
| BatchPurge  | Invoice Matching (ReIM)            | N        | N/A                    | 0     | N/A  | ResolutionPosting                 | daily        | R                     | BatchPurge userid/passwd  |
| ComplexDealUpload   | Invoice Matching (ReIM)            | Y        | N/A                    | 5     | vendinvrc(RMS), vendinvrt(RMS)                   | AutoMatch                         | daily        | R                     | ComplexDealUpload userid/passwd BlockSize PartitionNo   |
| DiscrepancyPurge  | Invoice Matching (ReIM)            | N        | N/A                    | 1     | N/A  | N/A                               | daily        | R                     | DiscrepancyPurge userid/passwd  |
| DisputedCreditMemoRollup  | Invoice Matching (ReIM)            | N        | N/A                    | 6     | ReasonCodeActionRollup                           | ResolutionPosting                 | daily        | R                     | DisputedCreditMemoRollup userid/passwd  |
| EdiInvoiceUpload  | Invoice Matching (ReIM)            | Y        | N/A                    | 5     | eddlinv(RMS)                                     | AutoMatch                         | daily        | R                     | EdiInvoiceUpload userid/passwd "EDI input file with path" "EDI reject file with path"                     |
| EdiInvoiceDownload  | Invoice Matching (ReIM)            | N        | N/A                    | 7     | ResolutionPosting                                | N/A                               | daily        | R                     | EdiInvoiceDownload userid/passwd  |
| FixedDealUpload   | Invoice Matching (ReIM)            | Y        | N/A                    | 5     | vendinvrc(RMS), vendinvrt(RMS)                   | AutoMatch                         | daily        | R                     | FixedDealUpload userid/passwd BlockSize PartitionNo   |
| ReasonCodeActionRollup  | Invoice Matching (ReIM)            | N        | N/A                    | 6     | AutoMatch  | DisputedCreditMemoRollup          | daily        | R                     | ReasonCodeActionRollup userid/passwd  |
| ReceiptWriteoff   | Invoice Matching (ReIM)            | N        | N/A                    | 6     | AutoMatch  | N/A                               | daily        | R                     | ReceiptWriteoff userid/passwd   |
| ResolutionPosting   | Invoice Matching (ReIM)            | N        | N/A                    | 6     | ReasonCodeActionRollup, DisputedCreditMemoRollup | N/A                               | daily        | R                     | ResolutionPosting userid/passwd   |
| RMS to RPAS RETL Extracts Dependency and Scheduling Details (EXTRACTS FOR RPAS) |                                    |          |                        |       |  |                                   |              |                       |   |
| Program Name  | Functional Area                    | Threaded | Driver                 | Phase | Pre-dependency                                   | Post-dependency                   | Timing       | Uses Restart/Recovery | Run Parameters for Programs   |
| pre_rmse_rpas.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | N/A. This is a pre setup script                  | N/A                               | daily        | N                     | N/A   |
|   |                                    |          |                        |       | pre_rmse_rpas.ksh. (This is the launch script to |                                   |              |                       |   |
| rmse_rpas.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | run the extracts)                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
| rmse_rpas_attributes.ksh  | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
| rmse_rpas_daily_sales.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | saikdy   | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
| rmse_rpas_domain.ksh  | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
|   |                                    |          |                        |       | stlmain  |                                   |              |                       |   |
|   |                                    |          |                        |       | recldsy  |                                   |              |                       |   |
| rmse_rpas_item_master.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
|   |                                    |          |                        |       | recldsy  |                                   |              |                       |   |
|   |                                    |          |                        |       | dyprg  |                                   |              |                       |   |
| rmse_rpas_merchhier.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
|   |                                    |          |                        |       | dyprg  |                                   |              |                       |   |
| rmse_rpas_orghier.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |
|   |                                    |          |                        |       | stkdy  |                                   |              |                       |   |
| rmse_rpas_stock_on_hand.ksh   | Planning/Forecast System Interface | N        | N/A                    | N/A   | pre_rmse_rpas.ksh                                | Refer to RPAS Operations guide    | daily        | N                     | N/A   |

|                                |                                    |   |     |     |   |                   |                                |       |   |  |
|--------------------------------|------------------------------------|---|-----|-----|---|-------------------|--------------------------------|-------|---|--|
| rmse_rpas_store.ksh            | Planning/Forecast System Interface | N | N/A | N/A | storeadd<br>dyprg   | pre_rmse_rpas.ksh | Refer to RPAS Operations guide | daily | N | N/A  |
| rmse_rpas_suppliers.ksh        | Planning/Forecast System Interface | N | N/A | N/A | pre_rmse_rpas.ksh   | pre_rmse_rpas.ksh | Refer to RPAS Operations guide | daily | N | N/A  |
| rmse_rpas_weekly_sales.ksh     | Planning/Forecast System Interface | N | N/A | N/A | hstwkupd<br>salweek<br>pre_rmse_rpas.ksh<br>whadd<br>dyprg        | pre_rmse_rpas.ksh | Refer to RPAS Operations guide | daily | N | N/A  |
| rmse_rpas_wh.ksh               | Planning/Forecast System Interface | N | N/A | N/A | pre_rmse_rpas.ksh   | pre_rmse_rpas.ksh | Refer to RPAS Operations guide | daily | N | N/A  |
| rmsl_rpas_forecast.ksh         | Planning/Forecast System Interface | N | N/A | N/A | pre_rmse_rpas.ksh   | pre_rmse_rpas.ksh | Refer to RPAS Operations guide | daily | N | rmsl_rpas_forecast.ksh daily or weekly                       |
| rmsl_rpas_update_retl_date.ksh | Planning/Forecast System Interface | N | N/A | N/A | After all RMS/Planning System Integration<br>RETL scripts are run |                   | Refer to RPAS Operations guide | daily | N | rmsl_rpas_update_retal_date.ksh CLOSED_ORDER or RECEIVED_QTY |

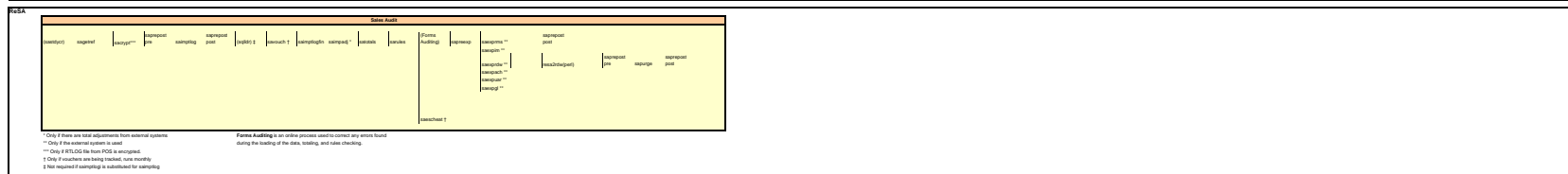
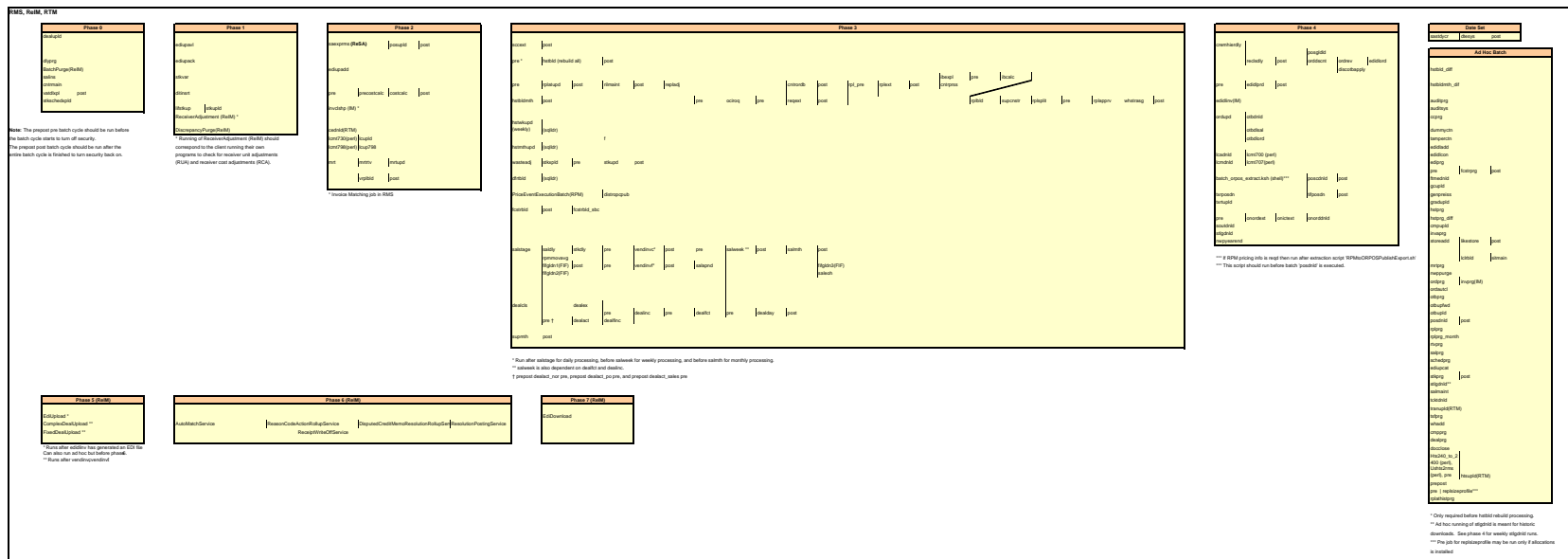
**RMS to RDW RETL Extracts Dependency and Scheduling  
Details (EXTRACTS FOR RDW)**

| Program Name     | Functional Area | Threaded | Driver | Phase | Pre-dependency  | Post-dependency               | Timing | Uses Restart/Recovery | Run Parameters for Programs |
|------------------|-----------------|----------|--------|-------|---|-------------------------------|--------|-----------------------|-----------------------------|
| cdcdlrex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| cmptrex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| cmpttrmx.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| cmprlcoex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| cmcydcex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| emplyex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgaraex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgchanex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgchnex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgdisex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orglmex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgloex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orglolex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orglmex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgltrex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgltrex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| orgrgnex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, storeadd (RMS), dyprg (RMS),<br>lcltbl (RMS)      | Refer to RDW operations guide | daily  | N                     | N/A                         |
| phasex.ksh       | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdcisex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdcmpex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prddepx.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prddifex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prddivex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdktypex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdgrpex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdislex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdtmex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdtlmex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdtlmimex.ksh   | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdtlmimex.ksh   | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdtmsmex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdpimex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdsboex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| prdualex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cremhierdly (RMS), recsltdy (RMS),<br>dyprg (RMS) | Refer to RDW operations guide | daily  | N                     | N/A                         |
| regngpex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| regnmbpex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| rsnex.ksh        | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| seasnex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| subtrantypex.ksh | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| supctrex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cntmain (RMS)                                     | Refer to RDW operations guide | daily  | N                     | N/A                         |
| supsupex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B, cntmain (RMS)                                     | Refer to RDW operations guide | daily  | N                     | N/A                         |
| suptmex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, cntmain (RMS)                                     | Refer to RDW operations guide | daily  | N                     | N/A                         |
| suptrex.ksh      | RDW interface   | N        | N/A    | N/A   | A, B, cntmain (RMS)                                     | Refer to RDW operations guide | daily  | N                     | N/A                         |
| indrtypex.ksh    | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |
| tlitypex.ksh     | RDW interface   | N        | N/A    | N/A   | A, B  | Refer to RDW operations guide | daily  | N                     | N/A                         |





### Integrated Merchandising Batch Schedule





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## Interface Diagrams for RMS and RPAS

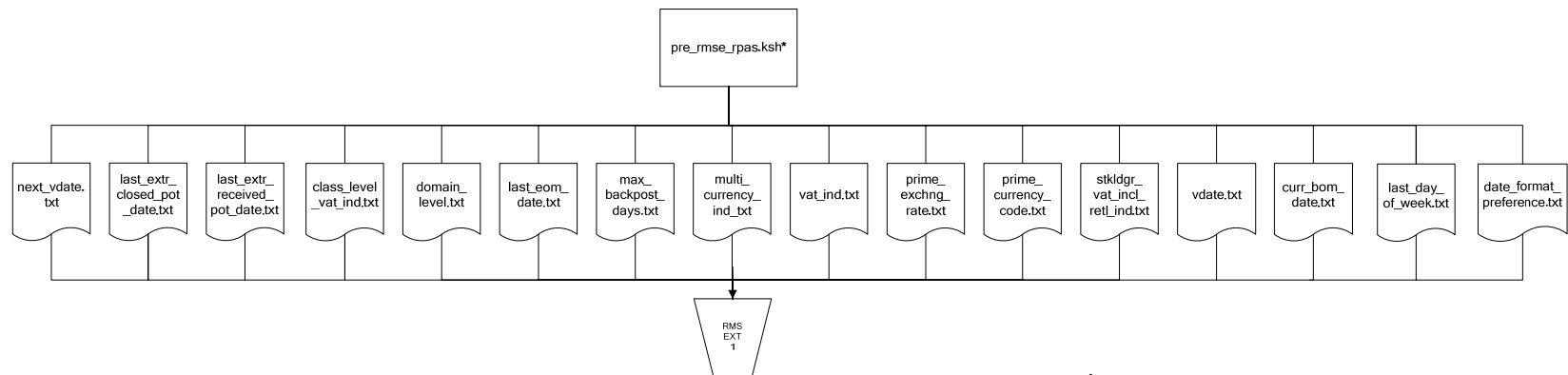
Because RMS is the retailer's central merchandising transactional processing system, it is the principle source of the foundation data needed in some of the Oracle Retail suite of products. RMS provides foundation data to RPAS, and RPAS provides planning data to RMS.

This chapter presents flow diagrams for data processing from sources. The source system's program or output file is illustrated, along with the program or process that interfaces with the source. After initial interface processing of the source, the diagrams illustrate the flow of the data.

Before setting up a program schedule, familiarize yourself with the functional and technical constraints associated with each program. Refer to the Retail Merchandising System Operations Guide for more information about these interface programs.

## RMS Pre/Post Extract Diagrams

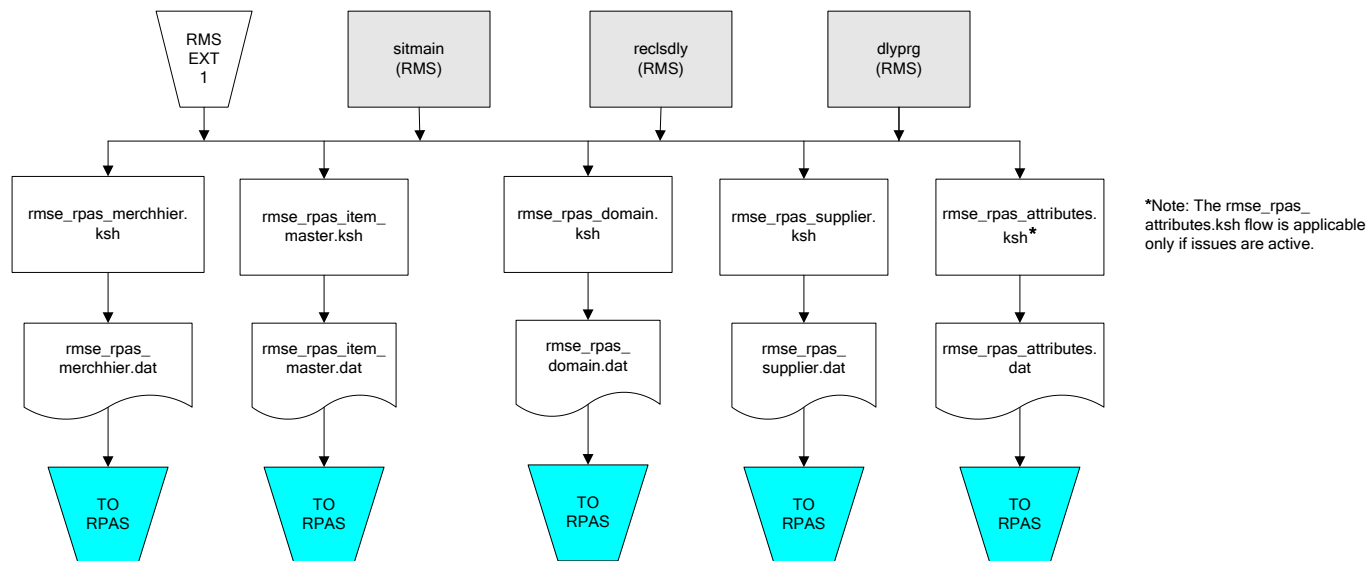
### RMS Pre RETL Extract Maintenance



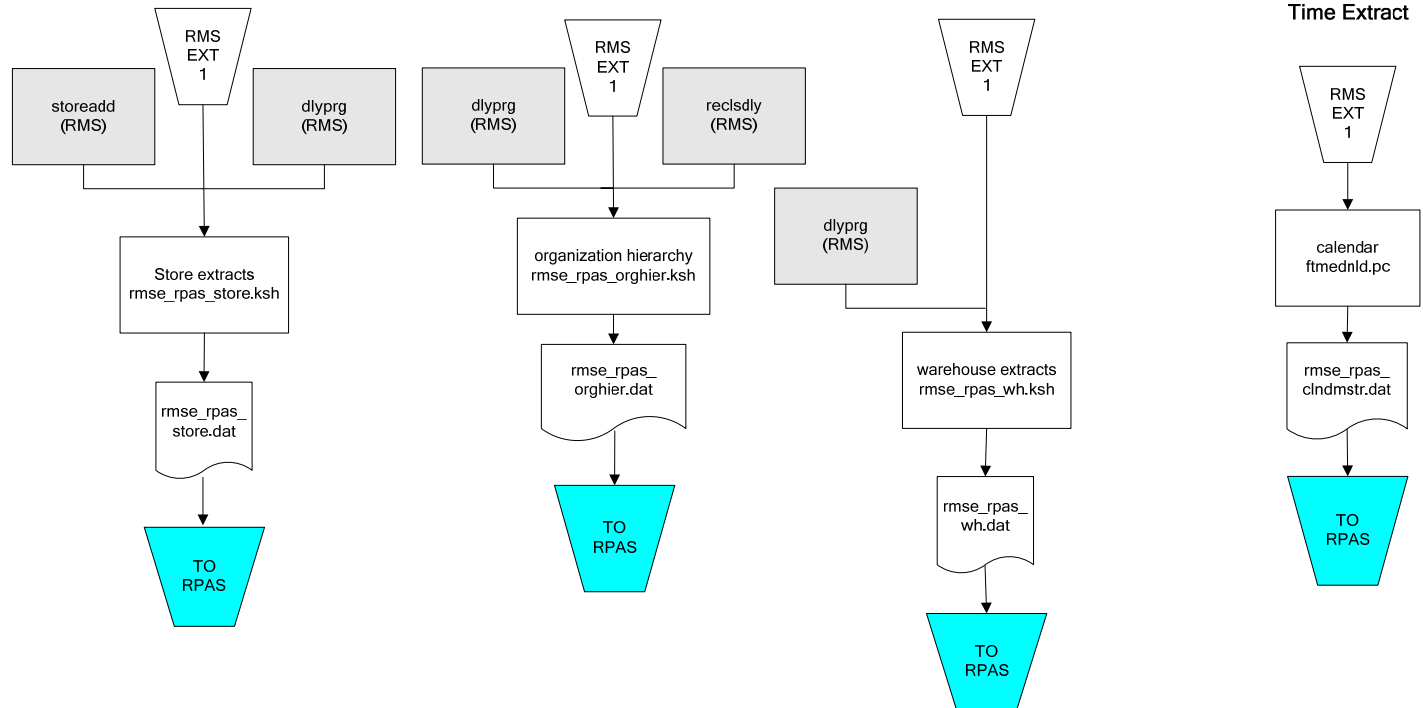
**\* Note:** The `pre_rmse_rpas.ksh` program checks for existing .txt output files. Because of this validation, retailers running the program for the first time should include an optional `-c` parameter. This parameter allows the program to run successfully without pre-existing .txt output files.

## RMS Foundation Data Extract Diagrams

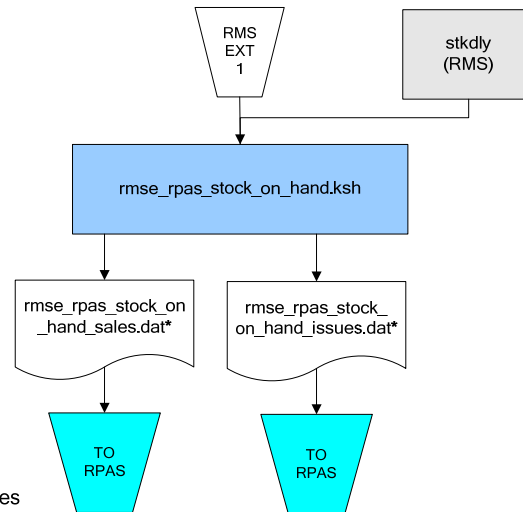
Merchandise Hierarchy for RPAS



### Organization Hierarchy for RPAS



## RMS Fact Data Extract Diagrams

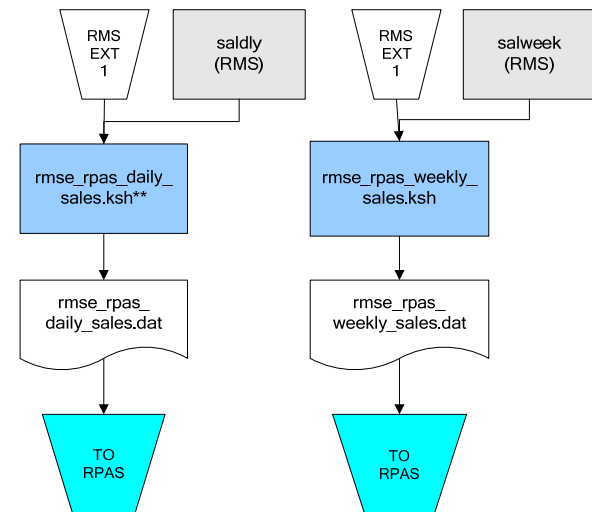


### \* Note:

If issues are active, the following two files result from the rmse\_rpas\_stock\_on\_hand.ksh flow:  
 rmse\_rpas\_stock\_on\_hand\_issues.dat  
 rmse\_rpas\_stock\_on\_hand\_sales.dat

If issues are **not** active, the following file results from the rmse\_rpas\_stock\_on\_hand.ksh flow:  
 rmse\_rpas\_stock\_on\_hand\_sales.dat

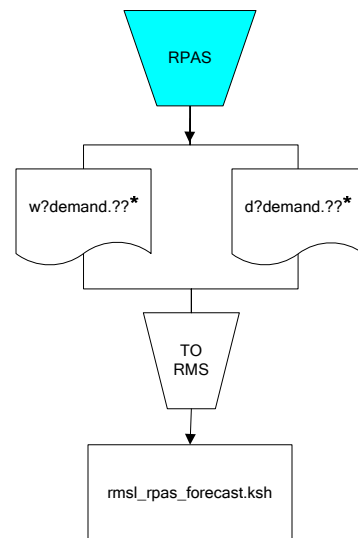
## Sales Extracts For RPAS



### \*\* Note:

Depending upon the configuration of rmse\_rpas\_daily\_sales.ksh, the data can be pulled from TRAN\_DATA\_HISTORY or TRAN\_DATA.

## RPAS-RMS Fact Load Diagram



**\*Note:**

? can represent the following:

- i (for issues)
- s (for stores)

?? represents domain 01-99.



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## Interface Diagrams for RMS and RDW

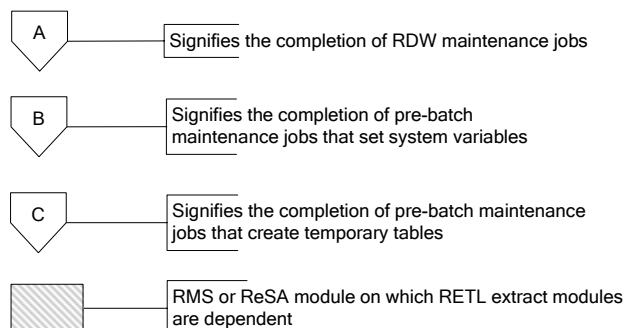
RMS works in conjunction with the Oracle Retail Extract Transform and Load (ETL) framework. ETL provides high-performance processing to extract data from Oracle Retail applications for use in data warehouses. The architecture allows database batch processes to take advantage of parallel processing capabilities.

This chapter presents flow diagrams for the ETL extraction RMS programs. The source system's program or output file is illustrated, along with the program or process that interfaces with the source. Note that the data flows are organized according to the logic (dimension data and table data) of Oracle Retail Data Warehouse (RDW), but you can use the data to suit your business needs.

For detailed information about dimensions and facts, see the Retail Data Warehouse Operations Guide.

For summary information about the configuration, architecture, and features of ETL programs utilized in RMS/ReSA extractions, see the Oracle Retail Management System Operations Guide Volume 3 – Backend Configuration and Operations. For more information about the ETL tool, see the current ETL Programmer's Guide.

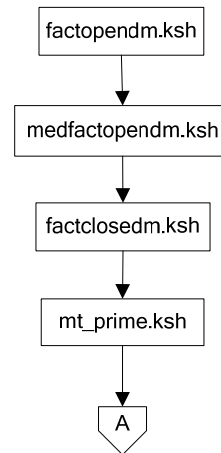
### Legend



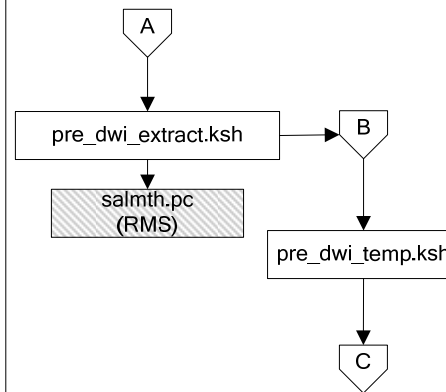
### RDW Maintenance

**Note:**

The modules in this flow are RDW RETL scripts. If the retailer uses RDW, this flow must be completed before starting the pre-batch maintenance flow. If the retailer does not use RDW, these jobs are not required.



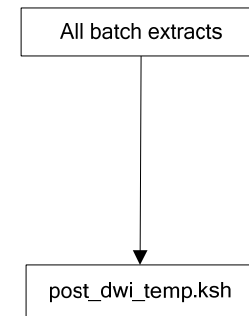
### Pre-Batch Maintenance



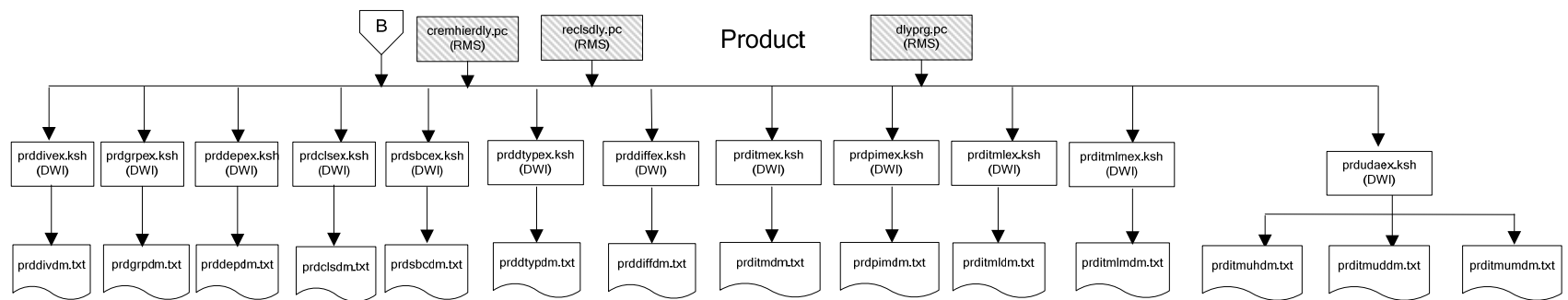
**Note:**

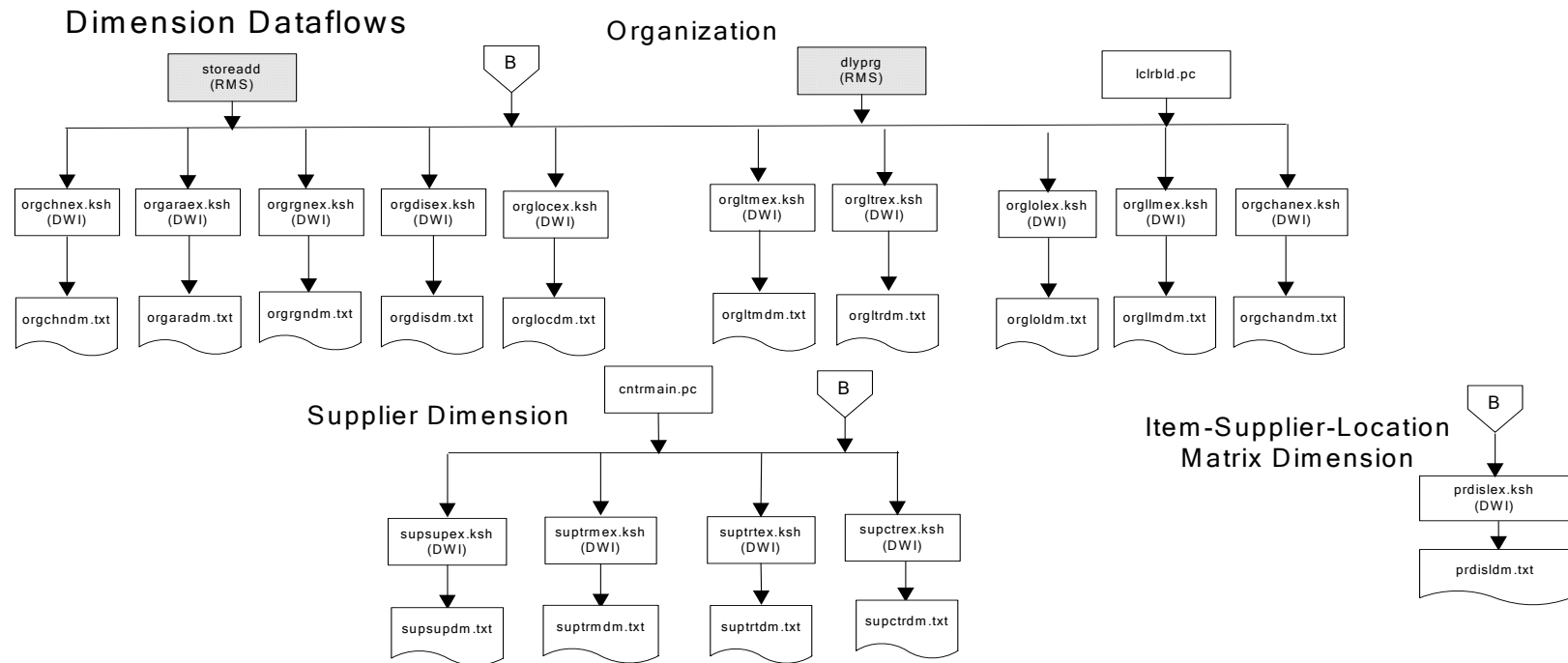
salmth.pc resets the last eom\_date. Thus, it must be run after the system indicator is extracted by pre\_dwi\_extract.ksh.

### Post-Batch Maintenance

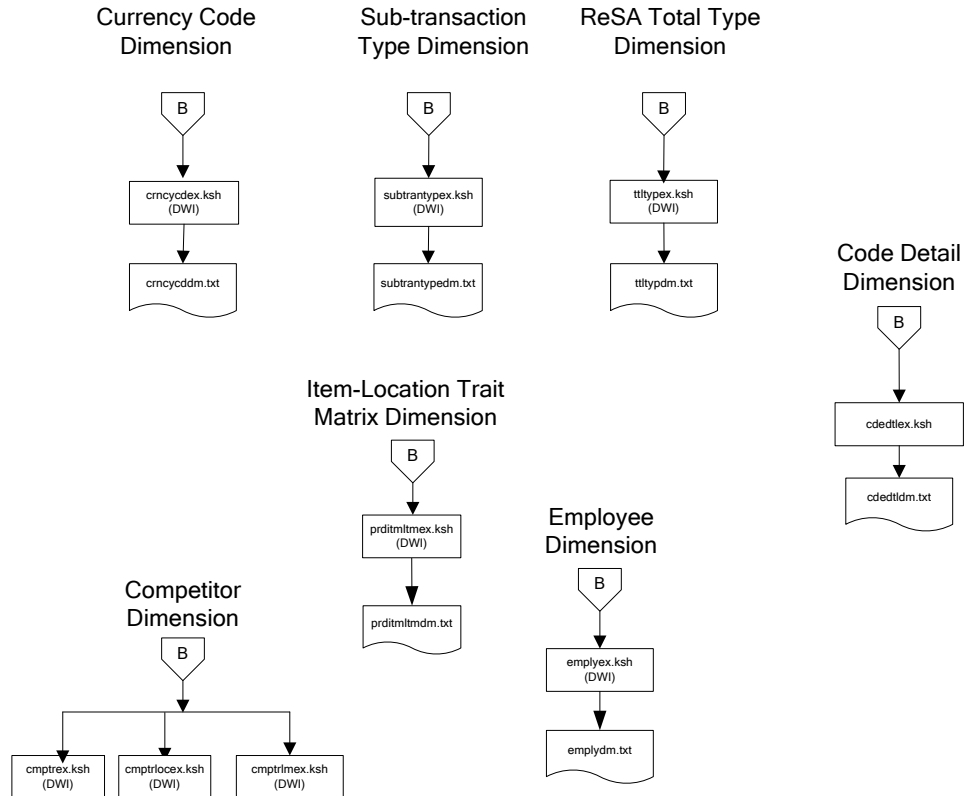


## Dimension Dataflows



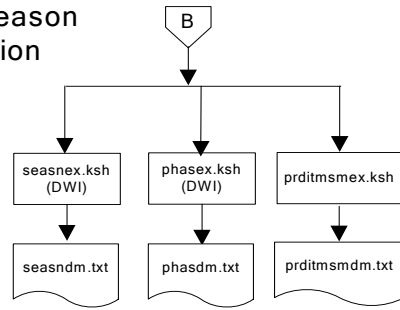


## Dimension Dataflows

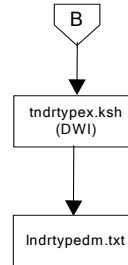


## Dimension Dataflows

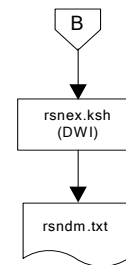
### Product Season Dimension



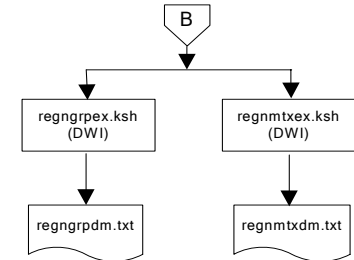
### Tender Type Dimension



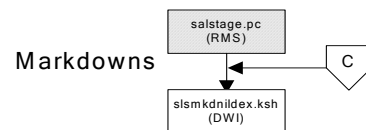
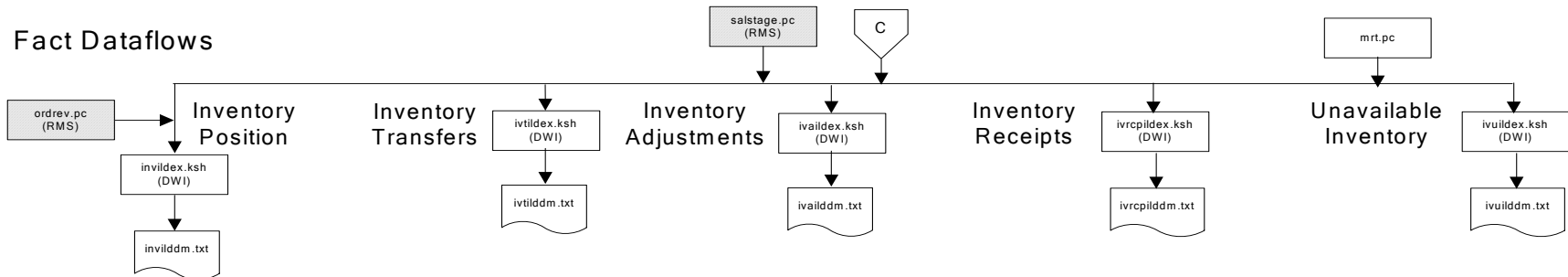
### Reason Dimension



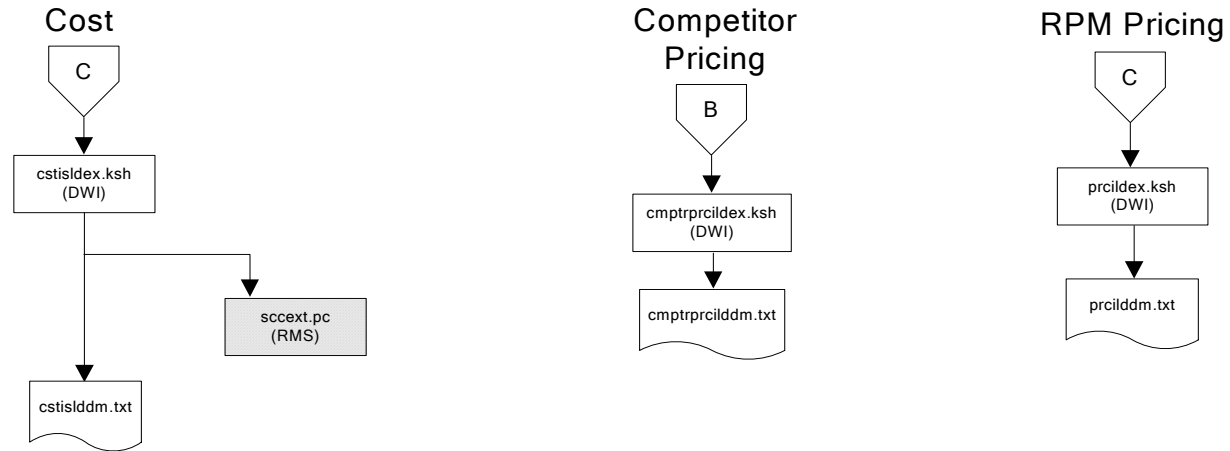
### Regionality Dimension



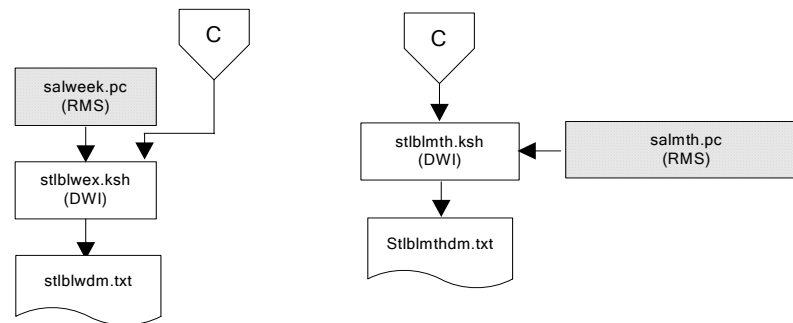
## Fact Dataflows



## Fact Dataflows



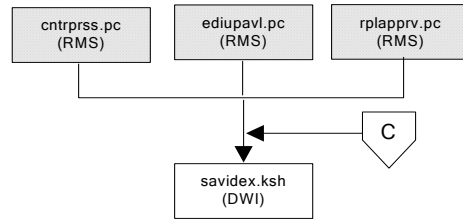
## Stock Ledger



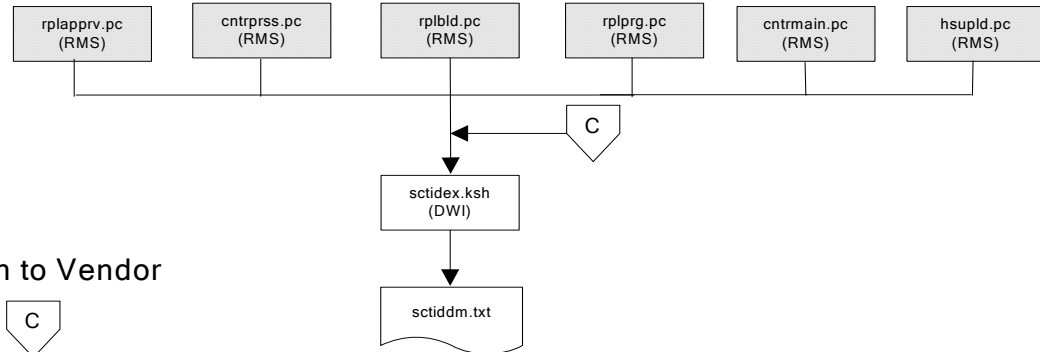
**Note:**  
Run stock ledger fact  
loads once weekly.

## Fact Dataflows

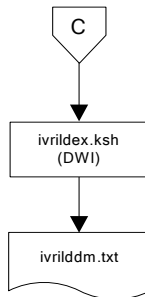
### Supplier Availability



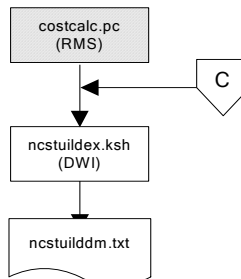
### Supplier Contract



### Return to Vendor



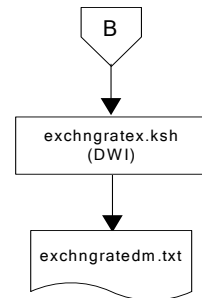
### Net Cost



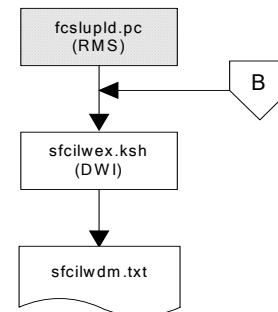


## Fact Dataflows

### Exchange Rates

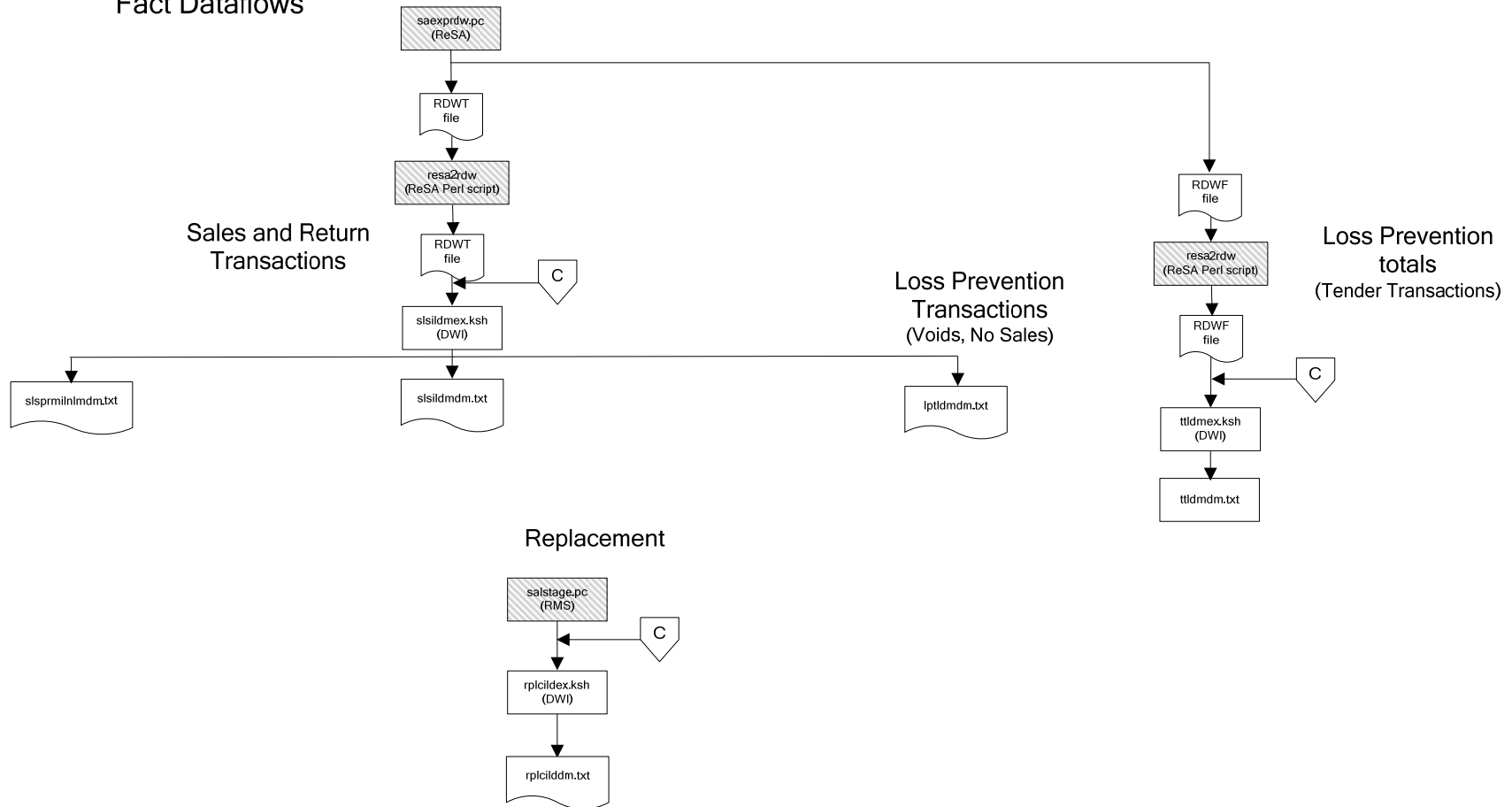


### Sales Forecasts

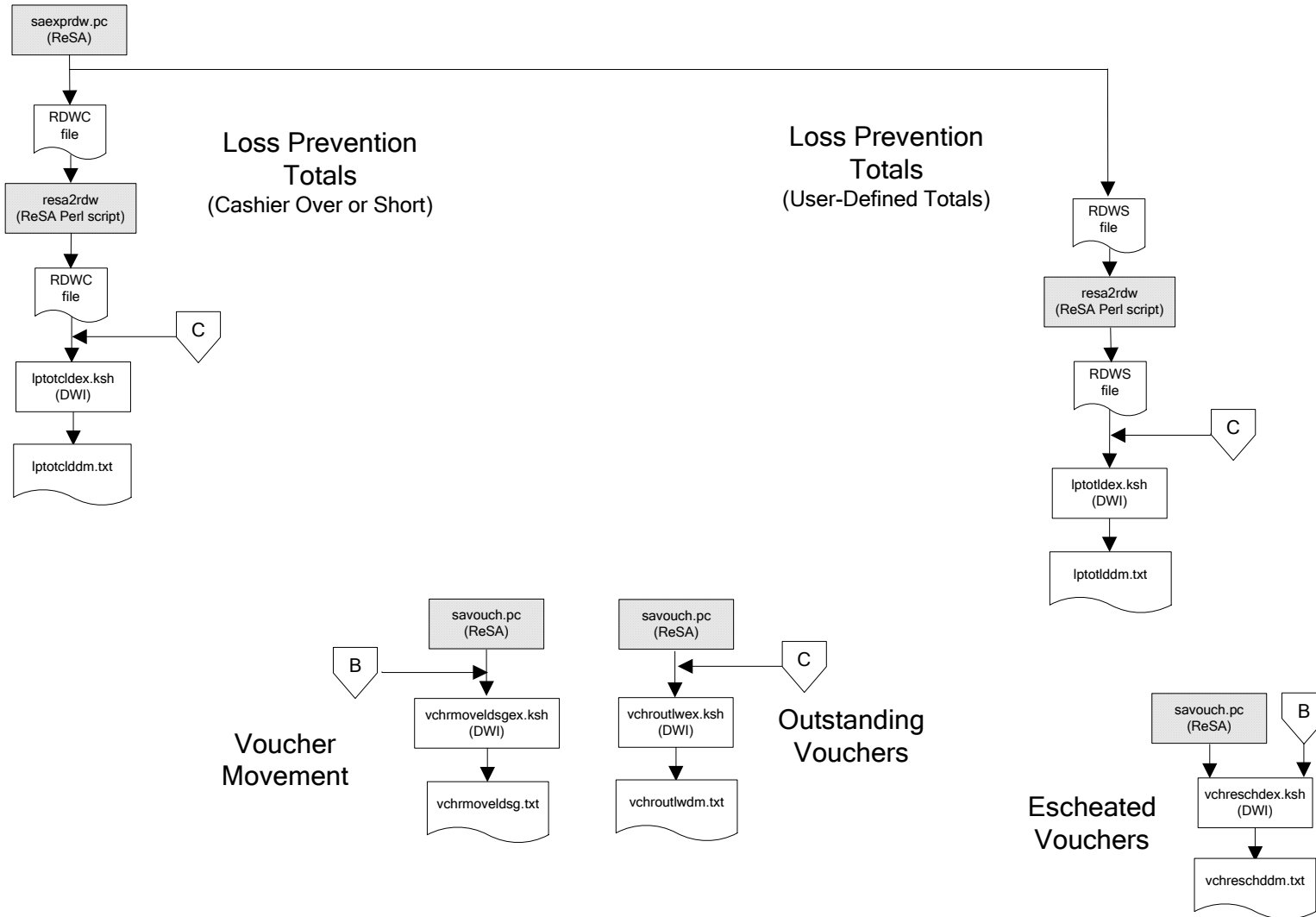


**Note:**  
Run sales forecast fact loads  
once weekly.

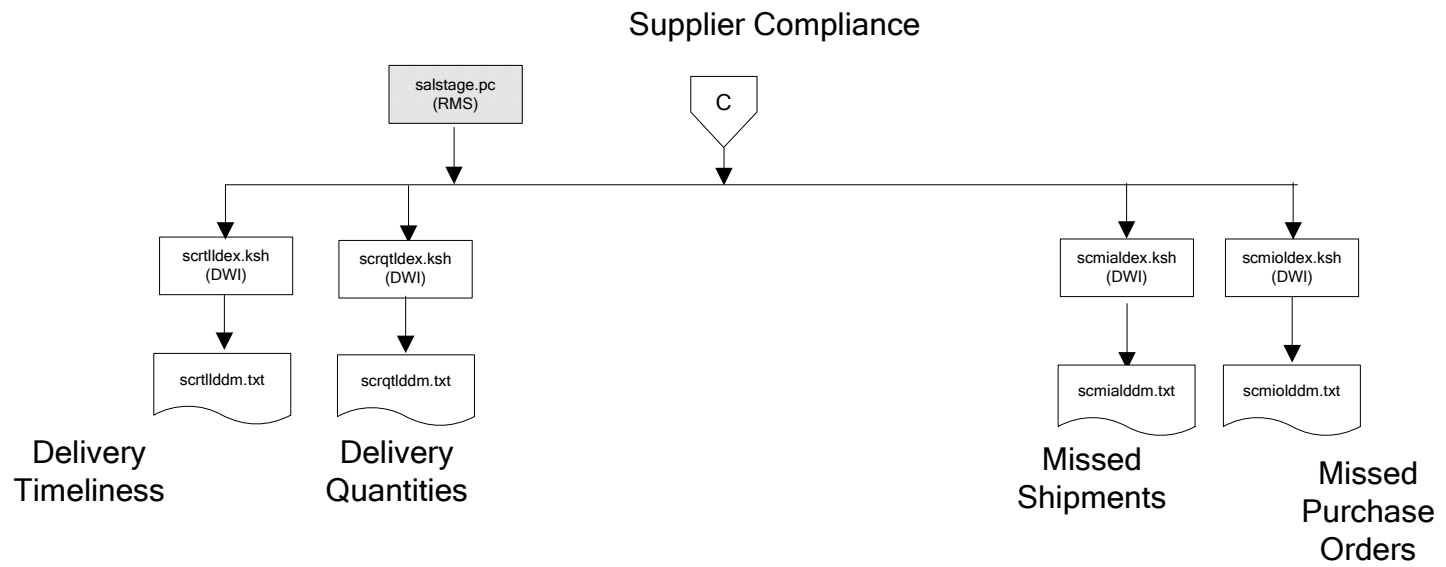
## Fact Dataflows



## Fact Dataflows



## Fact Dataflows



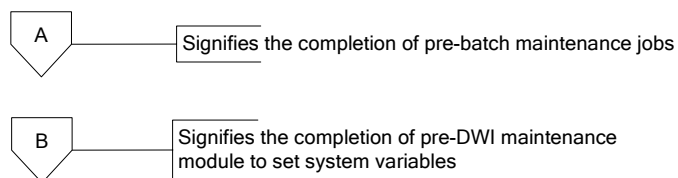
## Interface Diagram for RPM and RDW

This following program flow diagram shows the RETL extraction program that extracts the Promotion dimension from RPM through the Data Warehouse Interface (DWI). The diagram shows the output files and the scripts that interface with the source. Note that the outputs are based on the logic (dimension data and table data) of Oracle Retail Data Warehouse (RDW), but you can use the data to suit your business needs.

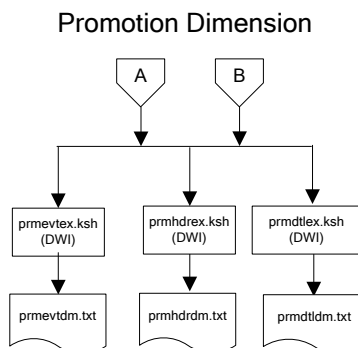
For detailed information about dimensions and facts, see the Retail Data Warehouse Operations Guide.

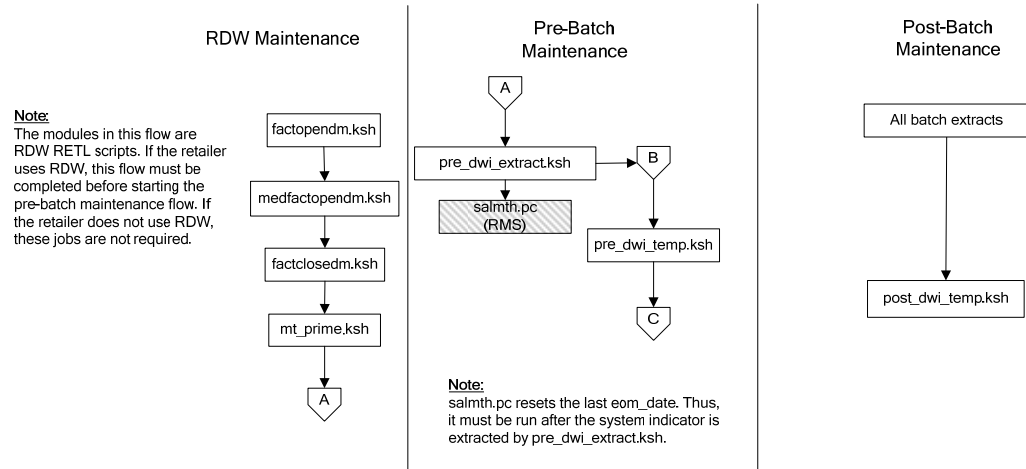
See the Retail Merchandising System Operations Guide Volume 1 – Batch Overviews and Designs for more information about the modules shown in the following diagram.

### Legend



### Program Flow Diagram





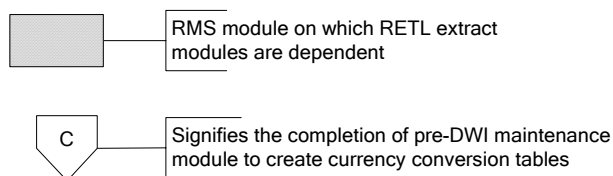
## Interface Diagram for ReIM and RDW

This following program flow diagram shows the RETL extraction program that extracts the Promotion dimension from ReIM through the Data Warehouse Interface (DWI). The diagram shows the output files and the scripts that interface with the source. Note that the outputs are based on the logic (dimension data and table data) of Oracle Retail Data Warehouse (RDW), but you can use the data to suit your business needs.

For detailed information about dimensions and facts, see the Retail Data Warehouse Operations Guide.

See the Retail Merchandising System Operations Guide Volume 1 – Batch Overviews and Designs for more information about the modules shown in the following diagram.

### Legend



### Program Flow Diagram

#### Supplier Invoice Cost

