

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

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.

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 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*

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- 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

Review Patch Documentation

If you are installing the application for the first time, you install either a base release (for example, 12.0) or a later patch release (for example, 12.0.10). If you are installing a software version other than the base release, be sure to read the documentation for each patch release (since the base release) before you begin installation. Patch documentation can contain critical information related to the base release and code changes that have been made since the base release.

Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site (with the exception of the Data Model which is only available with the release packaged code):

http://www.oracle.com/technology/documentation/oracle_retail.html

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

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.”

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

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

A hyperlink appears like this.

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)

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.

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.

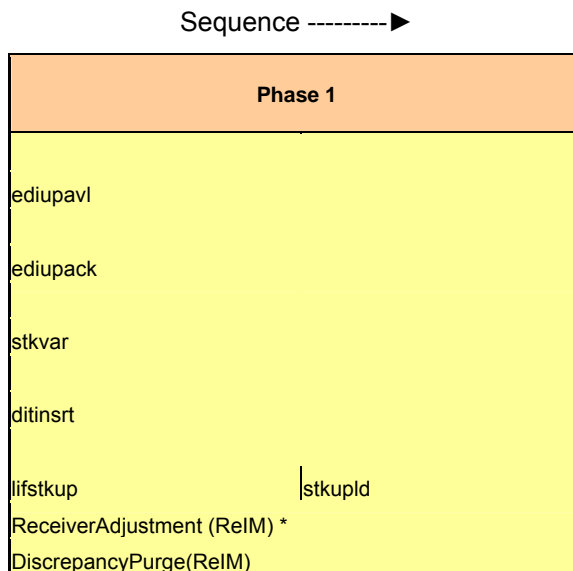
Each phase must be completed before the next phase can begin. Also, a phase may contain programs that depend on other programs within the phase. Programs within each phase may need to run in a particular sequence.

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"> ▪ Daily purges ▪ Updates to currency exchange rates ▪ Updates to value-added tax (VAT) data
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 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	Description
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. Note: 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.

lifstkup	stkupld
----------	---------

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.

ociroq	cntnrddb reqext
--------	--------------------

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

ibexpl cntrprss	ibcalc
--------------------	--------

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.
(RMS)	(Bold type) The RMS module is executed externally to that phase.
(ReSA)	The module belongs to ReSA.
(ReSA)	(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.

pre	ociroq
------------	---------------

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.

pre	stkupd	post
------------	---------------	-------------

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

sccext	post
---------------	-------------

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 Oracle 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 Oracle 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
audtprg	Audit	N	N/A	ad hoc	N/A	N/A	daily	N	audtprg userid/passwd
audtsys	Audit	N	N/A	ad hoc	N/A	N/A	daily	N	audtsys userid/passwd
batch_ornos_extract.ksh	Point of Sale Interface	Y	Store	4	extraction script	N/A	daily	N	batch_ornos_extract.ksh userid/passwd [-p <no. of threads>] [DIR - location where extracts are to be generated]
ccprg	Costing	N	N/A	ad hoc	RPMtoORPOSPublishExport.sh'	N/A	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	rpladj	prepost cntrordb post	daily	R	cntrordb userid/passwd
cntrprss	Contracting	Y	Dept	3	rplext	prepost rplbid post	daily	R	cntrprss userid/passwd
costcalc	Deals	Y	Supplier	2	dtinst	prepost costcalc post	daily	R	costcalc userid/passwd supplier (May use the batch_costcalc.ksh for launching this program as it is created based o
cremhierdy	Reclassification	N	N/A	4	precostcalc	recisdy	daily	R	cremhierdy userid/passwd
deallact	Deals	Y	Deal Id	3	prepost deallact_nor pre	N/A	daily	R	deallact userid/passwd
dealcls	Deals	N	N/A	3	prepost deallact_sales pre	N/A	daily	R	dealcls userid/passwd
dealday	Deals	Y	Location	3	dealinc	prepost dealday pos	monthly	R	dealday userid/passwd
dealex	Deals	Y	Deal Id	3	precostcalc	recisdy	daily	N	dealex userid/passwd
dealfct	Deals	Y	Deal Id	3	dealinc	prepost dealfct pre	daily	R	dealfct userid/passwd [Y/N - EOM processing ind]
dealfinc	Deals	Y	Deal Id	3	deallact	salrmth	weekly/ad hoc	R	dealfinc userid/passwd
dealinc	Deals	Y	Deal Id	3	dealact	salrmth	monthly	R	dealinc userid/passwd [Y/N -EOM processing ind]
dealprg	Deals	N	N/A	ad hoc	prepost dealinc pre	salrmth (if monthly)	daily	R	dealprg userid/passwd
dealupld	Deals	Y	File-based	0	(This program is the first one in Deals batch (This program will likely be run after sales information is uploaded into Oracle Retail)	(All other deals programs)	daily	R	dealupld userid/passwd input_file reject_file
dfrtbd	Item Maintenance	Y	Dept	3	OTB	(SQL*Load the output file)	daily	R	dfrtbd userid/passwd outfile
disctobaply	OTB	Y	Dept	4	ordisct	N/A	daily	R	disctobaply userid/passwd
distrocpub	Pricing/Transfers/Allocation Publish	Y	Store	3	PriceEventExecutionBatch(RPM)	N/A	daily	R	distrocpub userid/passwd
dtinst	Deals	N	N/A	1	prepost	costcalc	daily	R	dtinst userid/passwd (P or S) (supplier/partner). Partner or Supplier.
dyprg	Maintenance	N	N/A	0	N/A	(All other batch programs)	daily	N	dyprg userid/passwd
dcclose	Receiving	N	N/A	ad hoc	sasdyrcr	ordisct	daily	R	dcclose 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]
dumymyctn	Receiving	N	N/A	ad hoc	N/A	N/A	daily	N	dumymyctn userid/passwd
eddiadd	Maintenance	N	N/A	ad hoc	N/A	N/A	ad hoc	N	eddiadd userid/passwd ediadd_output ediadd_catalo
edidcon	Contracting	N	N/A	ad hoc	N/A	N/A	ad hoc	N	edidcon userid/passwd edidcon_outfil
edidlinv	Invoice Matching	Y	Location	4	N/A	N/A	daily	R	edidlinv userid/passwd output_filename
edidlord	Ordering	N	N/A	4	(and after replenishment batch)	N/A	ad hoc	R	edidlord userid/passwd filename
edidprd	EDI Interface - Sales and Inventory	N	N/A	4	prepost edidprd pre	prepost edidprd pos	daily	R	edidprd userid/passwd filename
ediprg	EDI Interface - Purge	N	N/A	ad hoc	(Towards the end of the batch cycle)	N/A	monthly	R	ediprg userid/passwd
edupack	Maintenance	N	File-based	2	N/A	N/A	daily	N	edupack userid/passwd input_file reject_file
edupack	EDI Interface - ordering	N	N/A	1	N/A	N/A	ad hoc	R	edupack userid/passwd data_file reject_file
edupavl	EDI Interface - Contracts	N	File-based	1	N/A	N/A	daily	R	edupavl userid/passwd input_file reject_file
edupcat	EDI Interface - Suppliers	N	File-based	ad hoc	N/A	N/A	daily	R	edupcat userid/passwd edi_data_file error_fil
fcstprg	Forecasting	Y	Domain Id	ad hoc	prepost fcstprg pre	prepost fcstprg pos	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	N/A	weekly	R	fcstbrld_sbc userid/passwd
filgdn1	Financial Interface	Y	Dept	3	salstage	prepost filgdn1 post	daily	R	filgdn1 userid/passwd
filgdn2	Financial Interface	Y	Dept	3	salstage	salapnd	daily	R	filgdn2 userid/passwd
filgdn3	Financial Interface	Y	Store/Wh	3	salrmth	salapnd	monthly	R	filgdn3 userid/passwd
ftmednid	Planning System Interface	N	N/A	ad hoc	N/A	N/A	ad hoc	R	ftmednid userid/passwd
gcpuld	Misc Interface - Taxgeocode	N	N/A	ad hoc	N/A	N/A	ad hoc	R	gcpuld -username/password@environment> <infile> <outfile>
genpries	Ordering	Y	Supplier	ad hoc	N/A	N/A	ad hoc	R	genpries userid/passwd
gradupld	Forecasting	N	File-based	ad hoc	N/A	N/A	ad hoc	R	gradupld userid/passwd input_file rej_fil
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	N	Dept	3	prepost hstbldmth post	prepost hstbldmth post	monthly	R	hstbldmth userid/passwd level(monthly/rebuild)
hstbldmth_diff	Sales	Y	N/A	ad hoc	N/A	N/A	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.ctf 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)
hstrpg	Sales	N	N/A	ad hoc	N/A	N/A	monthly	N	hstrpg userid/passwd
hstrpg_diff	Sales	N	N/A	ad hoc	N/A	N/A	weekly	N	hstrpg_diff userid/passwd
hstwkupd	Sales	Y	Store/Wh	3	N/A	Run SQL*Loader using the control file hstwkupd.ctf 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_to_2400 (perl script)	N/A	ad hoc	R	htsupld userid/passwd input_file reject_file country_id ; perl hts_240_to_2400 inputfile outfile ; perl ushts2rms inputfile rejectfile
ibcalc	Investment Buy	Y	Dept	3	replxt	rplbid	daily	R	ibcalc userid/passwd
ibexpl	Investment Buy	N	N/A	3	prepost ibcalc pre	prepost rplbid post	daily	N	ibexpl userid/passwd
invaprg	Inventory Adjustments	N	N/A	ad hoc	rplext	ibcalc	monthly	N	invaprg userid/passwd
invclshp	Invoice Matching	N	N/A	2	N/A	N/A	daily	N	invclshp userid/passwd

invprg	Invoice Matching	N	N/A	ad hoc	ordprg	N/A	monthly	R	invprg userid/passwd
icadnld	Letter of Credit	N	N/A	4	ordprg	lcm700 (perl script)	daily	R	icadnld userid/passwd output_file
icibid	Maintenance - Location	N	N/A	ad hoc	storeadc	N/A	monthly	R	icibid userid/passwd
lcmndnld	Letter of Credit	N	N/A	4	N/A	lcm707 (perl script)	daily	R	lcmndnld userid/passwd output_file
lcup798	Letter of Credit	N	N/A	2	lcm798 (perl script)	N/A	daily	R	lcup798 userid/passwd input_file rej_file
lcupld	Letter of Credit	N	N/A	2	lcm730 (perl script)	N/A	daily	R	lcupld userid/passwd input_file rej_file
lftskup	Stock Ledger	N	File-based	1	inv_bal_upload.sh (warehouse mgmt program)	stakupld	daily	N	lftskup userid/passwd input_file output_file
likestore	Maintenance - Location	Y	Dept	ad hoc	storeadc	prepost likestore pos	daily	R	likestore userid/passwd
mrt	Mass Return Transfers	Y	Warehouse	2	N/A	mrttrv	daily	R	mrt userid/passwd
mrtprg	Mass Return Transfers	Y	Warehouse	ad hoc	N/A	mrtupd	ad hoc	R	mrtprg userid/passwd
mrttrv	Mass Return Transfers	Y	Warehouse	2	mrt	mrtupd	daily	R	mrttrv userid/passwd
mrtupd	Mass Return Transfers	Y	Warehouse	2	mrttrv	N/A	daily	R	mrtupd userid/passwd
nwpurge	Stock Ledger	N	N/A	ad hoc	N/A	N/A	ad hoc	N	nwpurge userid/passwd
nwpyearend	Stock Count	Y	Location	4	run on last day of year	N/A	yearly	R	nwpyearend userid/passwd
ociroq	Replenishment	N	N/A	3	prepost ociroq pre	N/A	daily	R	ociroq userid/passwd
onordnld	Planning System Interface	Y	Transfer	4	repladj	N/A	weekly	R	onordnld userid/passwd datefil
onordext	Planning System Interface	Y	Store/Wh	4	onordext	N/A	daily	R	onordnld userid/passwd
ordautcl	Planning System Interface	Y	Order	4	prepost onordext pri	onictext	daily	R	onordext userid/passwd datefil
	Ordering	N	N/A	ad hoc	N/A	N/A	daily	N	ordautcl userid/passwd
orddsct	Deals	Y	Supplier	4	discoibapply	discoibapply	daily	R	orddsct userid/passwd
ordprg	Ordering	N	N/A	ad hoc	reclsdly	dealcis	monthly	N	ordprg userid/passwd
ordrev	Ordering	N	N/A	4	orddsct	invprg	daily	R	ordrev userid/passwd
ordupd	Ordering	N	N/A	4	(After RPM pricing change extraction batch)	edidlord	daily	N	ordupd userid/passwd
otbdlord	OTB	N	N/A	4	otbdlord	otbdlord	daily	R	otbdlord userid/passwd output_file
otbdlsal	OTB	N	N/A	4	otbdlord	N/A	daily	R	otbdlsal userid/passwd output_file
otbdnld	OTB	N	N/A	4	otbdlord	N/A	daily	R	otbdnld userid/passwd output_file
otbprg	OTB	N	N/A	ad hoc	N/A	N/A	monthly	N	otbprg userid/passwd
otbupfwd	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	otbupfwd userid/passwd input_file reject_file
otbupld	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	otbupld userid/passwd input_file reject_file
poscndld	Point of Sale Interface	N	N/A	4	poscndld	prepost poscndld post	daily	R	poscndld userid/passwd output_file
posdndld	Point of Sale Interface	Y	Store	ad hoc	N/A	prepost posdndld post	daily	R	posdndld userid/passwd output_file
posgpdld	Point of Sale Interface	N	N/A	4	reclsdly	N/A	daily	R	posgpdld userid/passwd output_file
posupld	Sales	Y	File-based	2	saexprms(ReSA)	prepost posupld post	daily	R	posupld userid/passwd infile outfile itemfile lockfile
precostcalc	Deals	Y	Supplier	2	dtrnst	salstage	daily	R	precostcalc userid/passwd supplier (May use the batch_precostcalc.ksh for launching this program as it is created based on performance considerations)
prepost	Pre/post functionality	N	N/A	all phases	prepost precostcalc pre	costcalc	daily	R	prepost userid/passwd program pre_or_pos
reclsdly	Item Maintenance	Y	Reclass no	4	cremhierdy	prepost reclsdly post	daily	R	reclsdly userid/passwd process_mod
repladj	Replenishment	Y	Dept	3	rplatusd	reqlst	daily	R	repladj userid/passwd
					posupld				
					rplatusd				
					repladj				
					prepost ociroq pre				
reqlst	Replenishment	Y	Partition (Item)	3	prepost reqlst pre	prepost reqlst post	daily	R	reqlst userid/passwd partition_position (May use the batch_reqlst.ksh for launching this program as it is created based on performance considerations)
rlmaint	Replenishment	Y	Location	3	storeadc	prepost rlmaint post	daily	R	rlmaint username/password
					rplatusd				
					rplpit				
					supcnstr				
rplapprv	Replenishment	N	N/A	3	prepost rplapprv pre	N/A	daily	R	rplapprv userid/passwd
					prepost rplatusd post				
					repladj				
rplatusd	Replenishment	Y	Location	3	prepost rplatusd pre	reqlst	daily	R	rplatusd userid/passwd
					ibcalc				
					rplxt				
					critprss				
rpibld	Replenishment	Y	Supplier	3	vpibld	prepost rpibld post	daily	R	rpibld username/password
					ibexpl				
					prepost rpl pre	prepost rplxt post			
					rplatusd	critprss(i contracting is used, otherwise run ...			
					rlmaint	ibcxpl			
					repladj	ibcalc			
					reqlst	rpibld	daily	R	rplxt userid/passwd dept (May use the batch_rplxt.ksh for launching this program as it is created based on performance considerations)
rplxt	Replenishment	Y	Dept	3	critprss	prepost rpibld post)	daily	N	rpibld userid/passwd
rpibrg	Replenishment	N	N/A	ad hoc	N/A	N/A	monthly	N	rpibrg userid/passwd
rpibrg_month	Replenishment	N	N/A	ad hoc	N/A	N/A	monthly	N	rpibrg_month userid/passwd
rplsplit	Replenishment	Y	Supplier	3	supcnstr	rplapprv	daily	R	rplsplit userid/passwd
rvrmovavg	Pricing	Y	Store	3	salstage	N/A	daily	R	rvrmovavg userid/passwd business_date(YYYYMMDD) store/options
rvprg	RTV	N	N/A	ad hoc	N/A	N/A	monthly	N	rvprg userid/passwd
sacrypt	Sales Audit	Y	Store/Day	SA	sagetref	N/A	daily	N	sacrypt userid/passwd infile outfile key_file e/d (Encryption/Decryption indicated)
saescheat	Sales Audit	N	N/A	SA	satotals	saexpim	monthly	R	saescheat userid/passwd
					saescheat	sapurge			
saexpach	Sales Audit	N	N/A	SA	saescheat	N/A	daily	R	saexpach userid/passwd
					saescheat				
saexpgl	Sales Audit	N	N/A	SA	sapreeexp	N/A	daily	R	saexpgl userid/passwd
saexpim	Sales Audit	N	N/A	SA	saescheat	N/A	daily	R	saexpim userid/passwd
saexpndw	Sales Audit	Y	Store	SA	sapreeexp	resa2rdw(perl script)	daily	R	saexpndw userid/passwd ; perl resa2rdw.inputfile.outputfile
					saescheat				
saexprms	Sales Audit	Y	Store	SA	saescheat	saprepost saexprms post	daily	R	saexprms userid/passwd
					saescheat				
saexpuar	Sales Audit	N	N/A	SA	sapreeexp	N/A	daily	R	saexpuar userid/passwd
					sapreeexp				
sagetref	Sales Audit	N	N/A	SA	sasdygr	saimptlog	daily	R	sagetref userid/passwd itemfile wastefile ref_itemfile prim_variantfile varupcfile storedayfile codesfile errorfile ccvalf storeposfile tendertypfile merchcodefile partnerfile supplierfile employeefile bannerfile. (To prevent a file from being written, place a '-' in its place. Note: Item files must all be written together).

saimpadj	Sales Audit	N	N/A	SA	saimptlogfin	satotals	daily	R	saimpadj userid/passwd input_file rej_file	
saimptlog	Sales Audit	Y	Store/Day	SA	sagetref	saprepost saimptlog post	daily	N	saimptlog user/pw infile badfile itemfile wastefile refitemfile primvariantfile varupcfile storedayfile promfile codesfile	
					saprepost saimptlog pre	(Use sql Loader to load data into ReSA tables)	daily		errorfile covallfile storeposfile tendertypefile merchcodefile partnerfile supplierfile employeefile bannerfile	
saimptlogfin	Sales Audit	N	N/A	SA	saimptlog savouch	satotals	daily	R	saimptlogfin userid/passwd store_day_file	
saimptlogdup_upd	Sales Audit	N	Store/Day	SA	N/A	N/A	after store day delete	R	saimptlogdup_upd userid/passwd storedayfile storeposfil	
salapnd	Stock Ledger	N	N/A	3	salstage fifgldn1	N/A	daily	R	salapnd userid/passwd	
	saldly	Y	Store/Wh	3	salstage	salweek	daily	R	saldly userid/passwd	
	salch	Y	Dept	3	salnth	N/A	half yearly	N	salch userid/passwd	
	salins	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
					salweek	pre_dw1_extract.ksh(RMS to RDW RETL Extract)				
salmth	Stock Ledger	Y	Dept	3	salweek	prepost salmth post	monthly	R	salmth userid/passwd	
	salprg	N	N/A	ad hoc	N/A	N/A	daily	N	salprg userid/passwd	
salstage	Stock Ledger	N	N/A	3	posupld	salweek	daily	N	salstage userid/passwd	
					saldly	dealfct				
					stkdy	dealinc				
					salapnd	vendinv				
					prepost salweek pre	vendinvf				
					dealfct					
salweek	Stock Ledger	Y	Dept	3	salweek	salmth	weekly	R	salweek userid/passwd	
	sapreexp	N	N/A	SA	SA audit process	prepost salweek post	daily	R	sapreexp userid/passwd	
	saprepost	N	N/A	SA	N/A	(Before any SA export process N/A)	daily	N	saprepost userid/passwd program pre_or_post	
sapurge	Sales Audit	Y	Store	SA	saprepost sapurge pre	saprepost sapurge post	daily	R	sapurge userid/passwd deleted_items_file [optional list of store days to be deleted]	
					(This program should be run as the last program in the ReSA batch schedule)	sapreexp				
sarules	Sales Audit	N	N/A	SA	satotals	saescheat	daily	R	sarules userid/passwd store_no	
					(It should run before the DTESYS batch program and before the next store/day's transactions are received)					
sastdyrc	Sales Audit	N	N/A	date_set	dtseys	dtseys	daily	R	sastdyrc userid/passwd [YYYYMMDD]	
	satotals	N	N/A	SA	saimptlogfin	sarules	daily	R	satotals userid/passwd store_no	
	savouch	N	N/A	SA	saimptlog	saimptlogfin	daily	R	savouch userid/passwd infile rejfile tendertype_fil	
	scoext	Y	Cost change	3	saimptlog (and its SQL Load process)	prepost scoext post	daily	R	scoext userid/passwd	
	schedprg	N	N/A	ad hoc	costsidx.ksh (RMS to RDW RETL extract)	N/A	monthly	R	schedprg userid/passwd	
	stmain	N	N/A	ad hoc	N/A	N/A	ad hoc	R	stmain userid/passwd	
	soutdnld	Y	Domain Id	4	icribld	N/A	daily	R	soutdnld userid/passwd	
	stkdy	Y	Dept	3	N/A	N/A	daily	R	stkdy userid/passwd	
	stkgpr	N	N/A	ad hoc	stkvar	salweek	daily	N	stkgpr userid/passwd	
	stkschedxpld	Y	Location	0	N/A	prepost stkgpr post	monthly	R	stkschedxpld userid/passwd	
	stkupd	Y	Location	3	prepost stkupd pre	prepost stkupd post	daily	R	stkupd userid/passwd	
	stkupld	Y	Dept	1	stkupld	stkupld	daily	R	stkupld userid/passwd input_file reject_fil	
	stklar	Y	Dept	1	lstskup	N/A	daily	R	stklar userid/passwd report_file_name	
	stklxpld	Y	Dept	3	N/A	N/A	daily	R	stklxpld userid/passwd	
	stlgdnld	Y	Dept	4	stkschedxpld	stkgpr	weekly	R	stlgdnld userid/passwd input_file	
	storeadd	Maintenance - Location	N	N/A	ad hoc	stkgpr	likestore	daily	R	storeadd userid/passwd
supcnstr	Replenishment	N	N/A	3	rpbltd	rpbltd	daily	R	supcnstr userid/passwd	
	Stock Ledger	Y	Dept	3	prepost rpbltd post	rpbltd	daily	R	supcnstr userid/passwd	
	Receiving	N	N/A	ad hoc	N/A	prepost supmth post	monthly	R	supmth userid/passwd	
	tcktdnld	N	N/A	ad hoc	N/A	N/A	ad hoc	N	tcktdnld userid/passwd	
	tfposdn	N	N/A	ad hoc	N/A	N/A	daily	R	tfposdn userid/passwd filename print_online_ind days_in_advance [locator	
	tranupld	Y	File-based	ad hoc	txrposdn	prepost tfposdn post	daily	R	tfposdn userid/passwd output_file	
	tsfprg	N	N/A	ad hoc	N/A	N/A	daily	R	tranupld userid/passwd infile	
	txrposdn	N	N/A	ad hoc	prepost tsfprg pre	N/A	monthly	R	tsfprg userid/passwd	
	txrupld	N	N/A	4	N/A	tfposdn	daily	R	txrposdn userid/passwd	
	vatdxpl	Maintenance - VAT	Y	Vat Region	0	N/A	N/A	ad hoc	R	txrupld username/password input_file reject_fil
					dealfct	prepost vatdxpl pos	daily	R	vatdxpl userid/passwd	
					salstage(if daily)	prepost vendinv pre				
					prepost vendinv pre	salmonth (if monthly)	daily	R		
					prepost vendinvf pre	prepost vendinvf post				
					edupack	salweek(if weekly)	daily	R		
						salmonth (if monthly)	daily	R		
wasteadj	Stock Ledger	Y	Store	3	N/A	stkgpr	daily	R	wasteadj userid/passwd	
	Maintenance - Location	N	N/A	ad hoc	N/A	stkupld	daily	R	whadd userid/passwd	
whstrasg	Maintenance - Location	N	N/A	3	(Must be run after all replenishment batch programs).	N/A	daily	R	whadd userid/passwd	
						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	recldy(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 LocationMoveBatch	PriceEventExecutionBatch	daily	N	locationMoveBatch.sh rpm-app-userid password
PriceEventExecutionBatch	Price Change/Clearance/Promotion	Y	Pricing event	N/A	salstage (RMS) PriceEventExecutionBatch	PriceEventExecutionRMSBatch	daily	N	priceEventExecutionBatch.sh rpm-app-userid password
PriceEventExecutionRMSBatch	Price Change/Clearance/Promotion	Y	Pricing event	N/A	PriceEventExecutionRMSBatch	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
PriceStrategy/CalendarBatch	Price Strategy	N		N/A	N/A	MerchExtractKickOffBatch	daily	N	priceStrategy/CalendarBatch.sh rpm-app-userid password
WorksheetAutoApproveBatch	Pricing Worksheet	Y	Price strategy	N/A	N/A	MerchExtractKickOffBatch	daily	N	worksheetAutoApproveBatch.sh rpm-app-userid password

					PriceEventExecutionBatch storeadd (RMS)				
MerchExtractKickOffBatch	Pricing Worksheet	Y	Price strategy	N/A	WorksheetAutoApproveBatch PriceStrategyCalendarBatch MerchExtractKickOffBatch WorksheetAutoApproveBatch	N/A	daily	N	merchExtractKickOffBatch.sh rpm-app-userid password
RPMtoORPOSPublishBatch.sh	Price Change/Clearance/Promotion	N	N/A	N/A	N/A	N/A	daily	N	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		daily/ad hoc	N	priceChangeAutoApproveResultsPurgeBatch.sh rpm-app-userid password
PriceChangePurgeBatch	Purge	N	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		daily/ad hoc	N	priceChangePurgeWorkspaceBatch.sh rpm-app-userid password
PromotionPurgeBatch	Purge	N	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		daily/ad hoc	N	purgeExpiredExecutedOrApprovedClearancesBatch.sh rpm-app-userid password
PurgeUnusedAndAbandonedClearancesBatch	Purge	N	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		daily/ad hoc	N	purgeLocationMovesBatch.sh rpm-app-userid password
ZoneFutureRetailPurgeBatch	Purge	N	N/A	N/A	N/A		ad hoc	N	zoneFutureRetailPurgeBatch.sh rpm-app-userid password
ItemLocDeleteBatch	Purge	N	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
reimautomatch	Invoice Matching (ReIM)	Y	N/A	6	NA	reimrollup	daily	R	Userid/password
reimpurge	Invoice Matching (ReIM)	N	N/A	0	N/A	reimposting	daily	R	Userid/password
reimcomplexdealupload	Invoice Matching (ReIM)	Y	N/A	5	vendinvc(RMS), vendinvl(RMS)	N/A	daily	R	Userid/password
reimdiscrepancy purge	Invoice Matching (ReIM)	N	N/A	1	N/A	reimautomatch	daily	R	Userid/password BlockSize PartitionNo
reimediinvupload	Invoice Matching (ReIM)	Y	N/A	5	eddiinv(RMS)	reimautomatch	daily	R	Userid/password "EDI input file with path" "EDI reject file with path"
reimediinvdownload	Invoice Matching (ReIM)	N	N/A	7	reimposting	N/A	daily	R	Userid/password
reimfixeddealupload	Invoice Matching (ReIM)	Y	N/A	5	vendinvc(RMS), vendinvl(RMS)	reimautomatch	daily	R	Userid/password BlockSize PartitionNo
reimrollup	Invoice Matching (ReIM)	N	N/A	6	reimautomatch	reimrollup	daily	R	Userid/password
reimreceiptwriteoff	Invoice Matching (ReIM)	N	N/A	6	reimautomatch	N/A	daily	R	Userid/password
reimposting	Invoice Matching (ReIM)	N	N/A	6	reimrollup	N/A	daily	R	Userid/password

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 pre_rmse_rpas.ksh. (This is the launch script to run the extracts)	N/A	daily	N	N/A
rmse_rpas.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_attributes.ksh	Planning/Forecast System Interface	N	N/A	N/A	saikdly	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_daily_sales.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_domain.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh sltlmain reclsdly dlyprg	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_item_master.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh reclsdly dlyprg	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_merchhier.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh dlyprg	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_orghier.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh stkldly	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_stock_on_hand.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh storeadd dlyprg	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_store.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_suppliers.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh hstskupd salweek	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_weekly_sales.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh whadd dlyprg	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	Refer to RPAS Operations guide	daily	N	N/A
rml_rpas_forecast.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh	Refer to RPAS Operations guide	daily	N	rml_rpas_forecast.ksh daily or weekly
rml_rpas_update_retl_date.ksh	Planning/Forecast System Interface	N	N/A	N/A	After all RMS/Planning System Integration RETL scripts are run	Refer to RPAS Operations guide	daily	N	rml_rpas_update_retl_date.ksh CLOSED_ORDER or RECEIVED_QTY

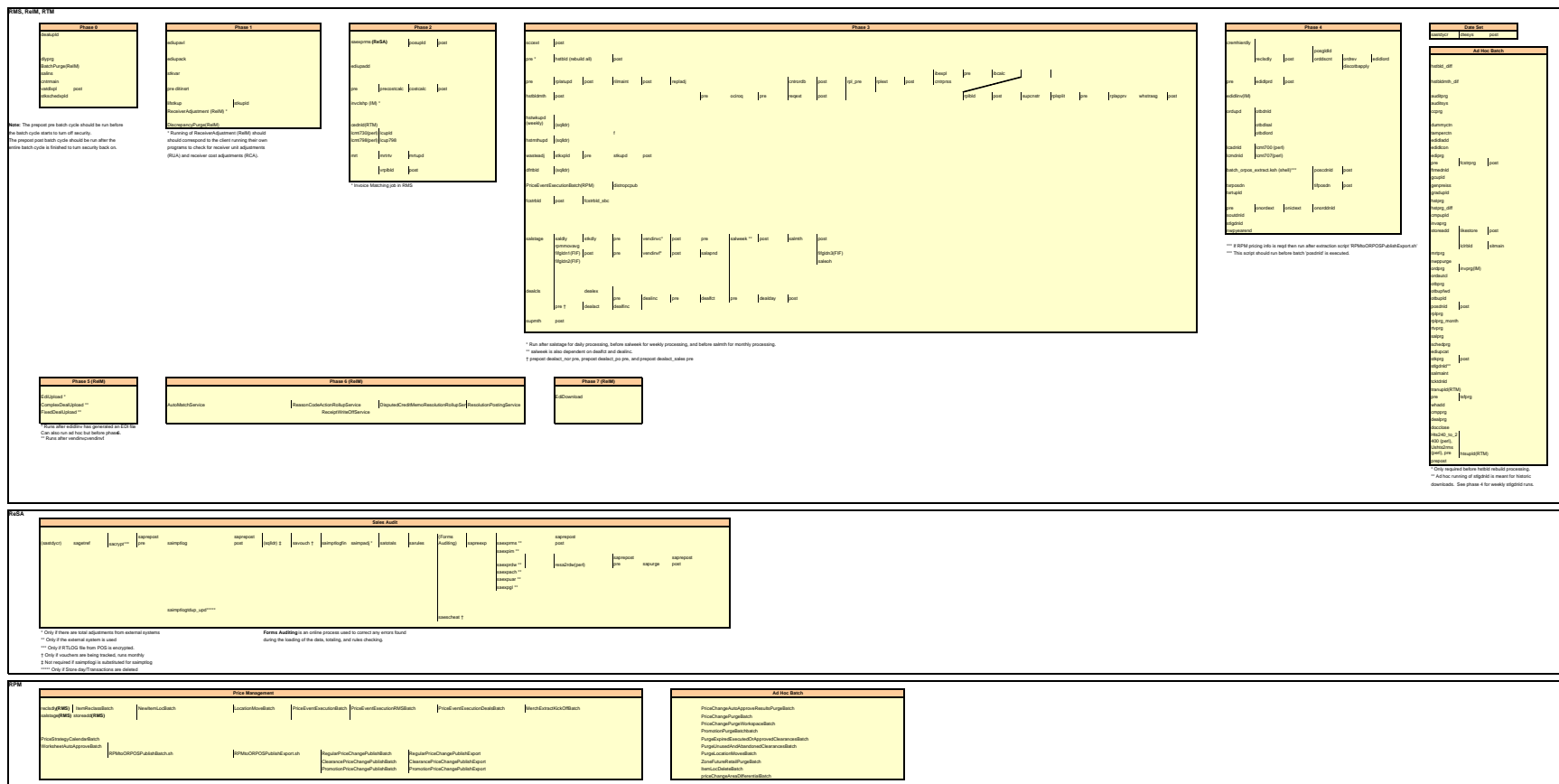
RMS to RDW RETL Extracts Dependency and Scheduling Details (EXTRACTS FOR RDW)

Program Name	Functional Area	Threaded	Driver	Phase	Pre-dependency	Post-dependency	Timing	Uses Restart/Recovery	Run Parameters for Programs
cdedtlx.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
cmprtmex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmprtxcex.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
orgarax.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcltbl (RMS)	Refer to RDW operations guide	daily	N	N/A
orgchanex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcltbl (RMS)	Refer to RDW operations guide	daily	N	N/A
orgchnex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcltbl (RMS)	Refer to RDW operations guide	daily	N	N/A
orgdisex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcltbl (RMS)	Refer to RDW operations guide	daily	N	N/A
orglimex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcltbl (RMS)	Refer to RDW operations guide	daily	N	N/A

orgloceex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblld (RMS)	Refer to RDW operations guide	daily	N	N/A
orglolex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblld (RMS)	Refer to RDW operations guide	daily	N	N/A
orgltmex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblld (RMS)	Refer to RDW operations guide	daily	N	N/A
orgltrex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblld (RMS)	Refer to RDW operations guide	daily	N	N/A
orgrgnex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblld (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
prdclex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (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
prddex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddifex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddivex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddtypex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdgprx.ksh	RDW interface	N	N/A	N/A	dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdslex.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, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdtlmex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdtlmimex.ksh	RDW interface	N	N/A	N/A	dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdtlmtmex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
prdtlmsmex.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, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdsboex.ksh	RDW interface	N	N/A	N/A	A, B, crenhierdly (RMS), recslsdy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdsuax.ksh	RDW interface	N	N/A	N/A	dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
regnrgpx.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
regnrbxex.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
seasnrex.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
supcrtrex.ksh	RDW interface	N	N/A	N/A	A, B, cntnmain (RMS)	Refer to RDW operations guide	daily	N	N/A
supsupex.ksh	RDW interface	N	N/A	N/A	A, B, cntnmain (RMS)	Refer to RDW operations guide	daily	N	N/A
suptrmex.ksh	RDW interface	N	N/A	N/A	A, B, cntnmain (RMS)	Refer to RDW operations guide	daily	N	N/A
suptrnx.ksh	RDW interface	N	N/A	N/A	A, B, cntnmain (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

Program Name	Functional Area	Threaded	Driver	Phase	Pre-dependency	Post-dependency	Timing	Uses Restart/Recovery	Run Parameters for Programs
cmprtrpcolidx.ksh	RDW interface	N	N/A	N/A	B	Refer to RDW operations guide	daily	N	cmprtrpcolidx.ksh output_file_path/output_file_name
csislidx.ksh	RDW interface	N	N/A	N/A	C	Refer to RDW operations guide	daily	N	csislidx.ksh output_file_path/output_file_name
exchngratex.ksh	RDW interface	N	N/A	N/A	B	Refer to RDW operations guide	daily	N	exchngratex.ksh output_file_path/output_file_name
invlidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS), ordrev (RMS)	Refer to RDW operations guide	daily	Y	invlidx.ksh output_file_path/output_file_name
ivalidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS)	Refer to RDW operations guide	daily	N	ivalidx.ksh output_file_path/output_file_name
ivrcpidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS)	Refer to RDW operations guide	daily	N	ivrcpidx.ksh output_file_path/output_file_name
ivrlidx.ksh	RDW interface	N	N/A	N/A	C	Refer to RDW operations guide	daily	N	ivrlidx.ksh output_file_path/output_file_name
ivrlidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS)	Refer to RDW operations guide	daily	N	ivrlidx.ksh output_file_path/output_file_name
ivulidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS)	Refer to RDW operations guide	daily	N	ivulidx.ksh output_file_path/output_file_name
lptotidx.ksh	RDW interface	N	N/A	N/A	C, saexpdvw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	lptotidx.ksh output_file_path/output_file_name
lptotidx.ksh	RDW interface	N	N/A	N/A	C, saexpdvw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	lptotidx.ksh output_file_path/output_file_name
ncstulidx.ksh	RDW interface	N	N/A	N/A	C, costcalc (RMS)	Refer to RDW operations guide	daily	N	ncstulidx.ksh output_file_path/output_file_name
post_dwi_temp.ksh	RDW interface	N	N/A	N/A	All extract batches	Refer to RDW operations guide	daily	N	N/A
prcolidx.ksh	RDW interface	N	N/A	N/A	N/A	Refer to RDW operations guide salmth(RMS). Also refer to RDW operations guide	daily	N	prcolidx.ksh output_file_path/output_file_name
pre_dwi_extract.ksh	RDW interface	N	N/A	N/A	A	Refer to RDW operations guide	daily	N	N/A
pre_dwi_temp.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	N/A
rpcolidx.ksh	RDW interface	N	N/A	N/A	C, cntnprss (RMS), edilupavl (RMS), rlapprv (RMS)	Refer to RDW operations guide	daily	N	rpcolidx.ksh output_file_path/output_file_name
savidex.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	savidex.ksh output_file_path/output_file_name
scmialdex.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	scmialdex.ksh output_file_path/output_file_name
scmcolidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	scmcolidx.ksh output_file_path/output_file_name
scrtolidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	Y	scrtolidx.ksh output_file_path/output_file_name
scridex.ksh	RDW interface	N	N/A	N/A	C, rlapprv (RMS), cntnprss (RMS), rplbid (RMS), cntnmain (RMS), B, msl_rpas_forecast.ksh (RMS) to RPAS extract	Refer to RDW operations guide	daily	N	scridex.ksh output_file_path/output_file_name
scrlwex.ksh	RDW interface	N	N/A	N/A	C, saexpdvw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	scrlwex.ksh output_file_path/output_file_name
slsldmex.ksh	RDW interface	N	N/A	N/A	C, saexpdvw (ReSA), resa2rdw	Refer to RDW operations guide	daily	Y	slsldmex.ksh output_file_path/output_file_name
slsmkdnldex.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	slsmkdnldex.ksh output_file_path/output_file_name
stblmthex.ksh	RDW interface	N	N/A	N/A	C, salmth (RMS)	Refer to RDW operations guide	daily	N	stblmthex.ksh output_file_path/output_file_name
stblwex.ksh	RDW interface	N	N/A	N/A	C, salmth (RMS)	Refer to RDW operations guide	daily	N	stblwex.ksh output_file_path/output_file_name
tltdmex.ksh	RDW interface	N	N/A	N/A	C, saexpdvw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	tltdmex.ksh output_file_path/output_file_name
vhreschdex.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vhreschdex.ksh output_file_path/output_file_name
vhcmoveldsgex.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vhcmoveldsgex.ksh output_file_path/output_file_name
vhcrouwex.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vhcrouwex.ksh output_file_path/output_file_name

Notes:
A is a set of batch processes on the RDW system.
A consists of the following RDW batch modules
factopendm.ksh
medfactopendm.ksh
factclosedm.ksh
mt_prime.ksh
B is pre_dwi_extract.ksh DWI batch process.



Interface Diagrams for RMS and RPAS

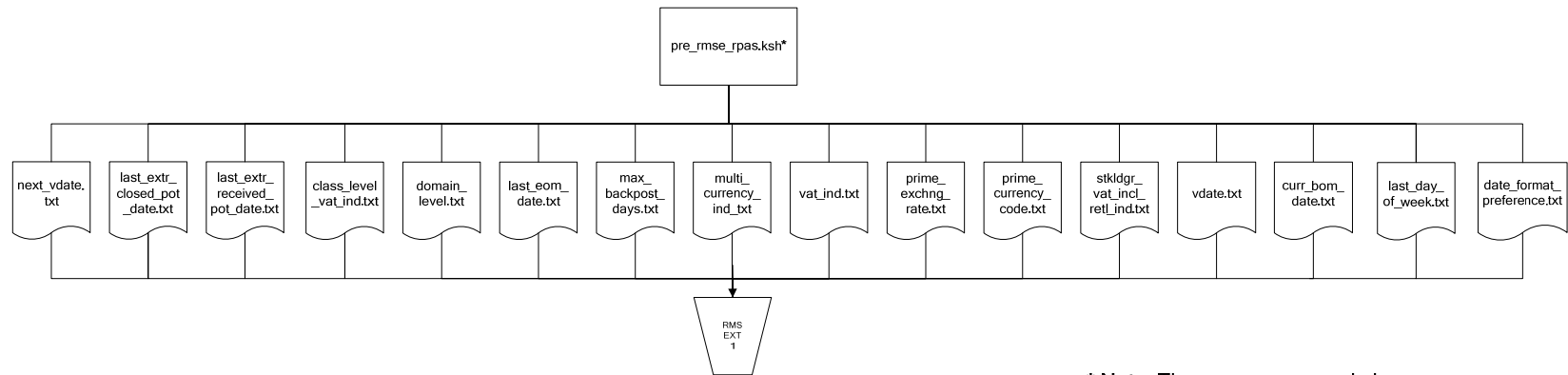
Because RMS is the retailer's central merchandising transactional processing system, it is the principle source of the foundation data needed in some of the Oracle Retail suite of products. RMS provides foundation data to RPAS, and RPAS provides planning data to RMS.

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

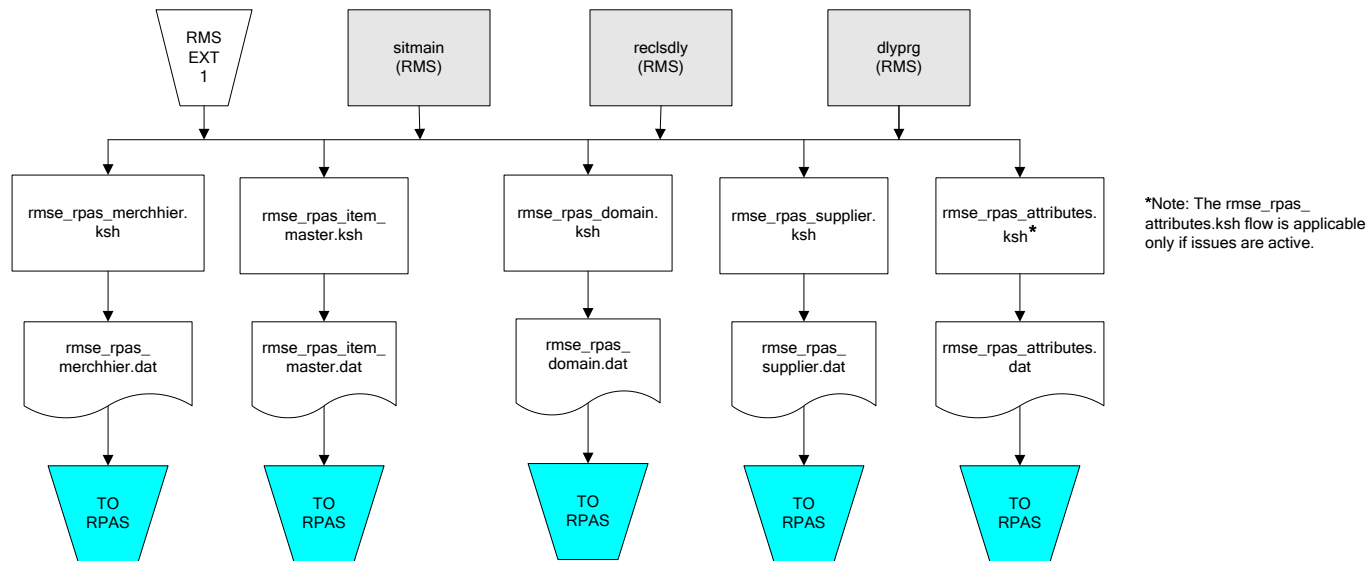
RMS Pre RETL Extract Maintenance



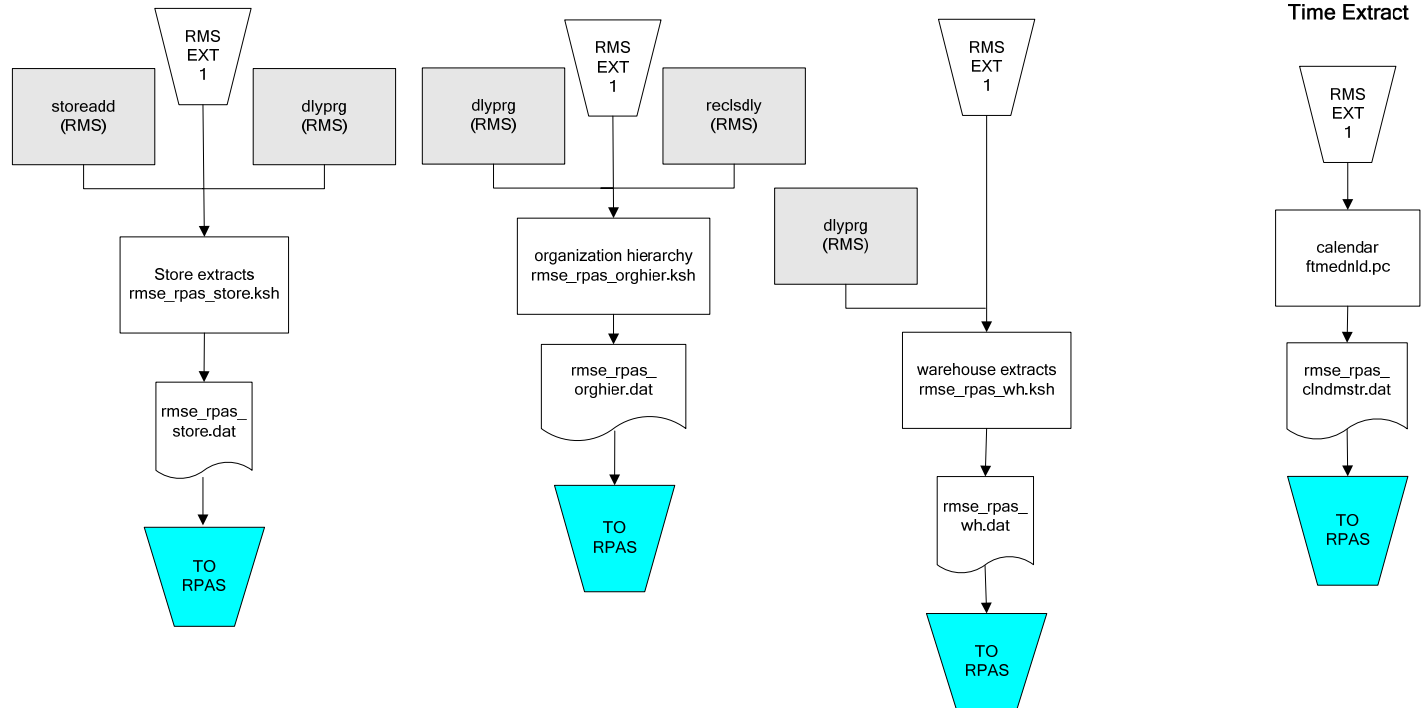
*** Note:** The `pre_rmse_rpas.ksh` program checks for existing .txt output files. Because of this validation, retailers running the program for the first time should include an optional `-c` parameter. This parameter allows the program to run successfully without pre-existing .txt output files.

RMS Foundation Data Extract Diagrams

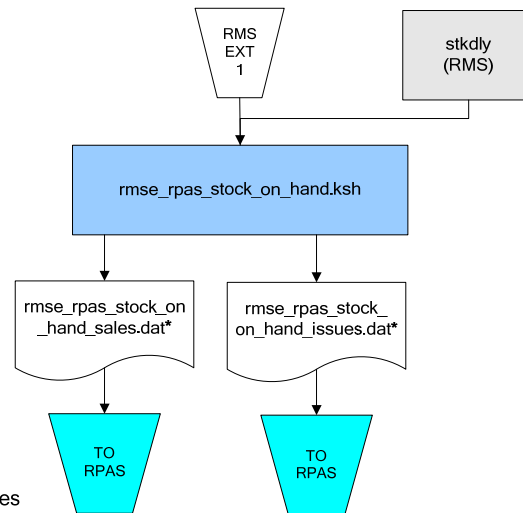
Merchandise Hierarchy for RPAS



Organization Hierarchy for RPAS



RMS Fact Data Extract Diagrams

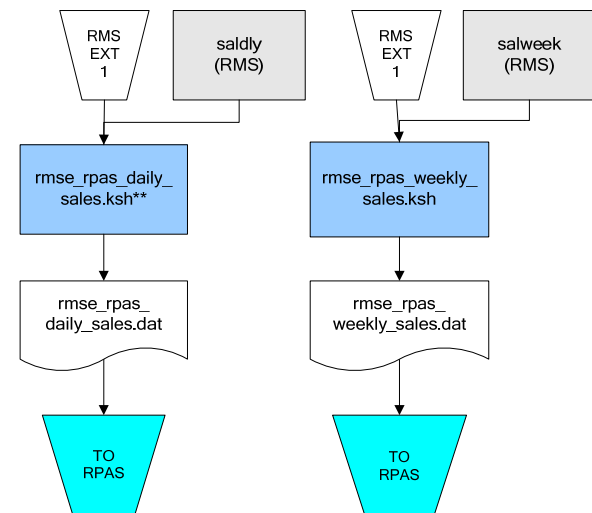


* Note:

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`

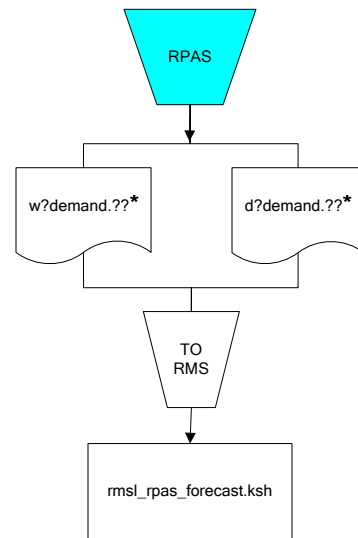
Sales Extracts For RPAS



** 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.

Interface Diagrams for RMS and RDW

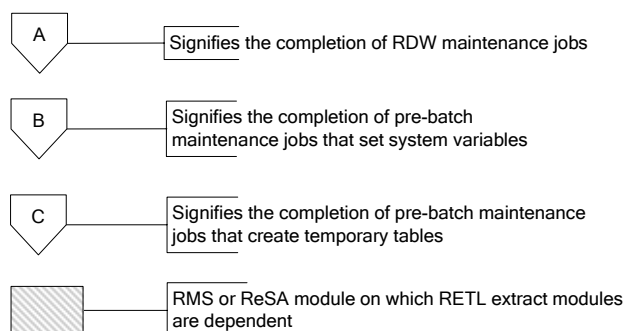
RMS works in conjunction with the Oracle Retail Extract Transform and Load (ETL) framework. ETL provides high-performance processing to extract data from Oracle Retail applications for use in data warehouses. The architecture allows database batch processes to take advantage of parallel processing capabilities.

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 Oracle 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 Merchandising System Operations Guide Volume 3—Backend Configuration and Operations. For more information about the ETL tool, see the current ETL Programmer's Guide.

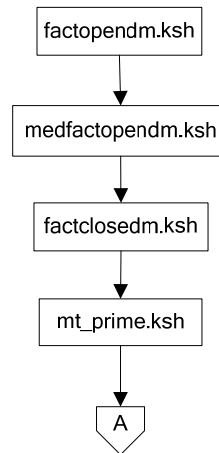
Legend



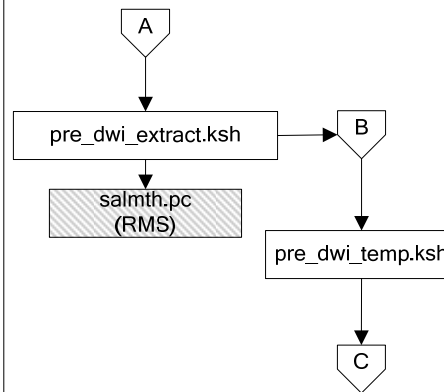
RDW Maintenance

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.



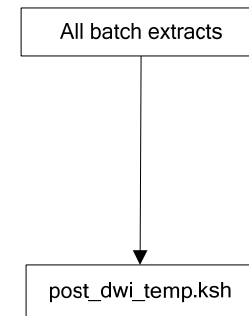
Pre-Batch Maintenance



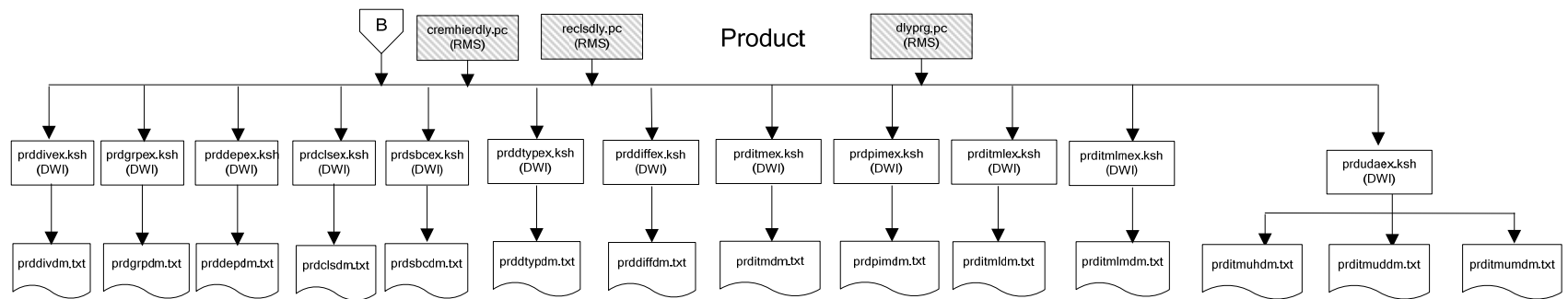
Note:

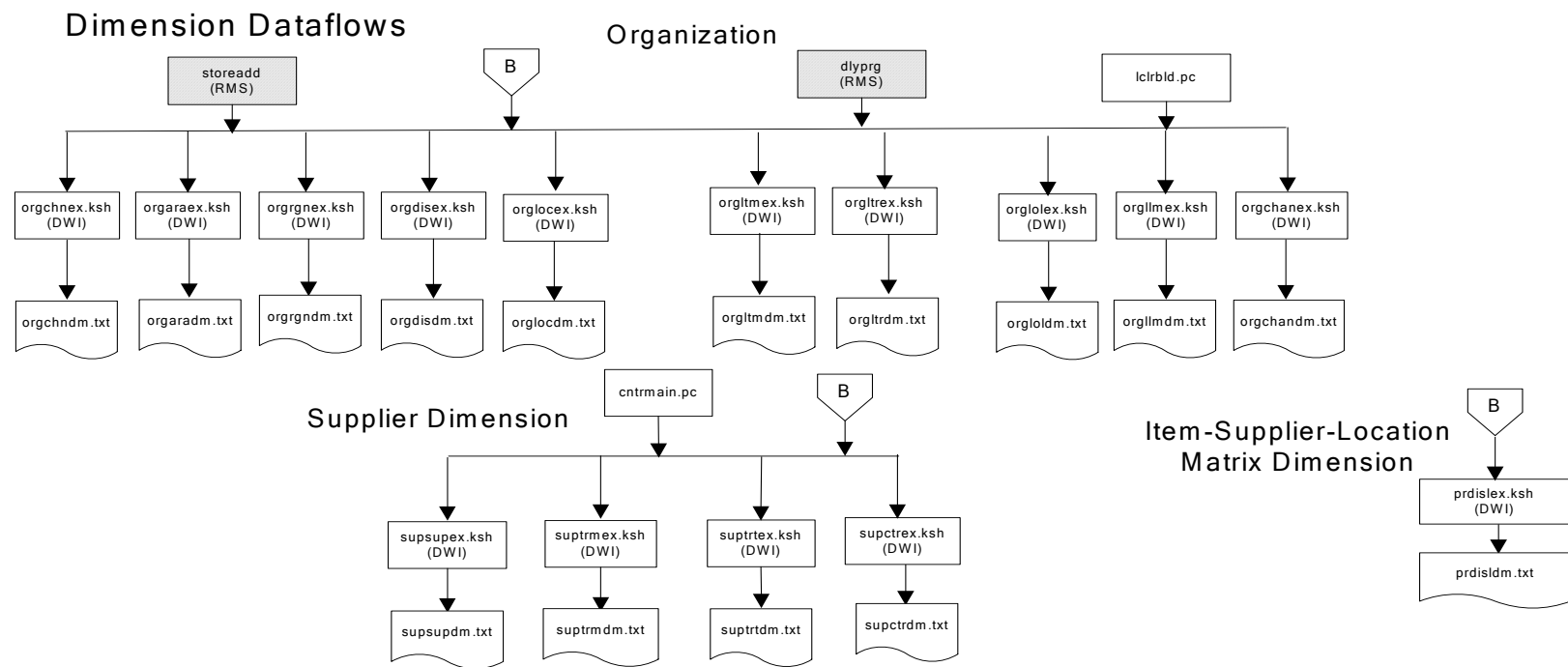
salmth.pc resets the last eom_date. Thus, it must be run after the system indicator is extracted by pre_dwi_extract.ksh.

Post-Batch Maintenance

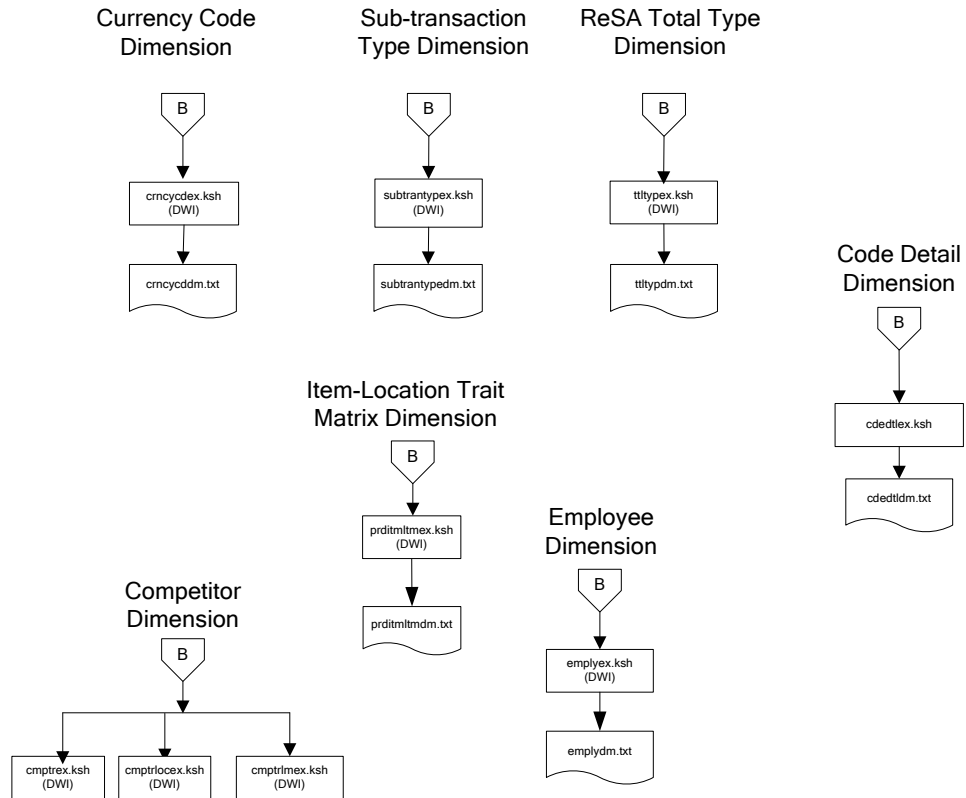


Dimension Dataflows



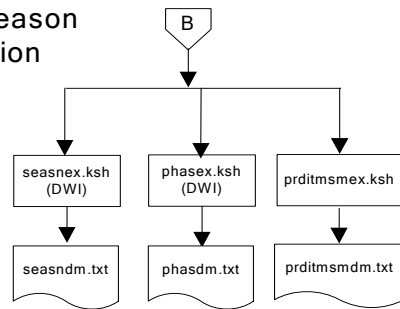


Dimension Dataflows

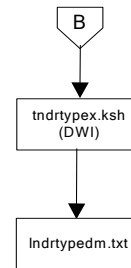


Dimension Dataflows

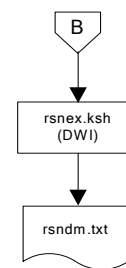
Product Season Dimension



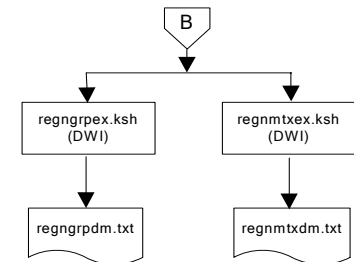
Tender Type Dimension



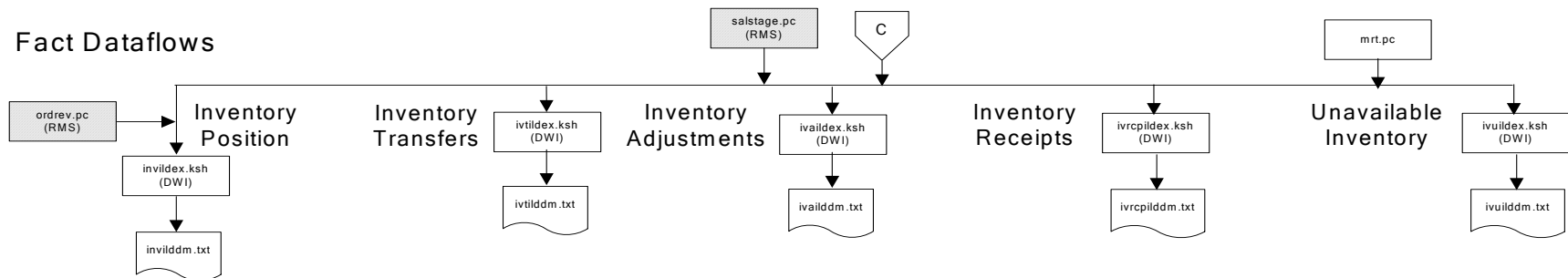
Reason Dimension



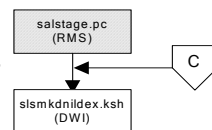
Regionality Dimension



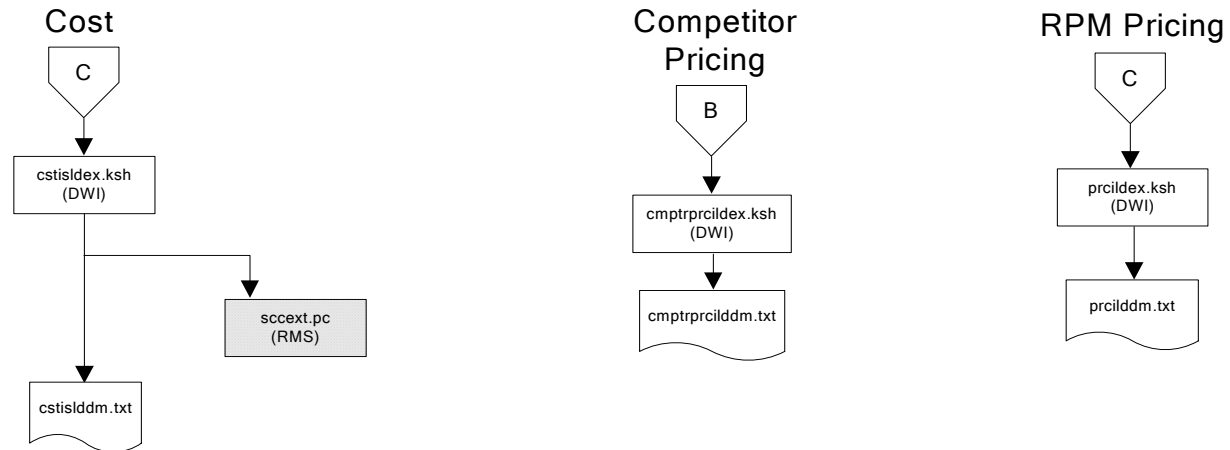
Fact Dataflows



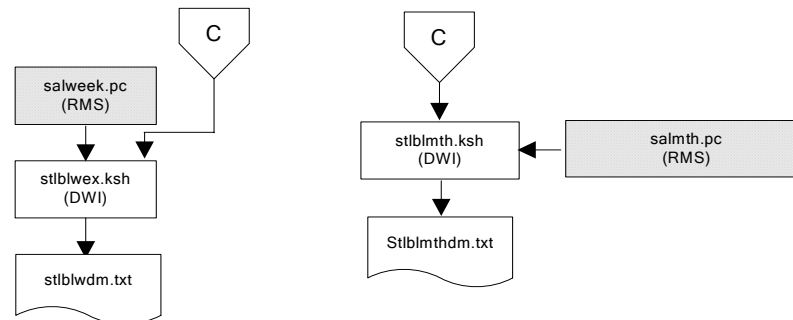
Markdowns



Fact Dataflows



Stock Ledger

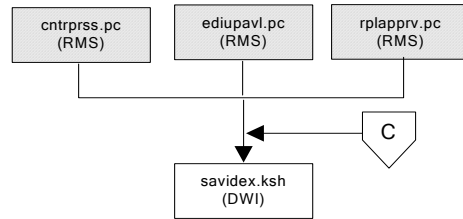


Note:

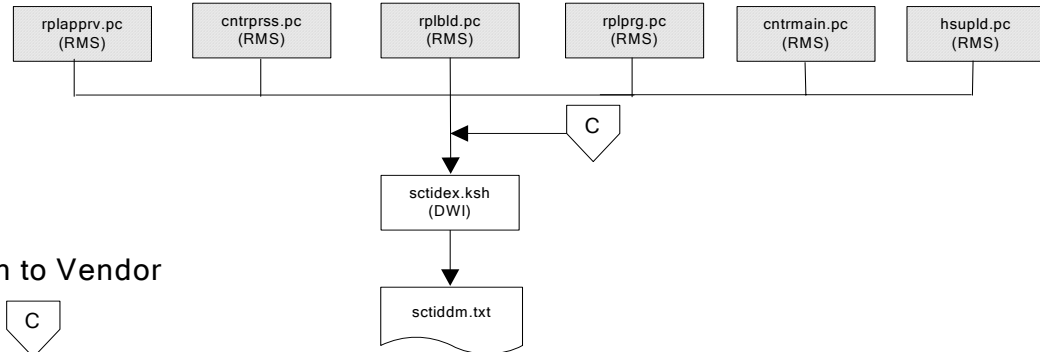
Run stock ledger fact loads once weekly.

Fact Dataflows

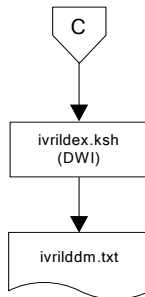
Supplier Availability



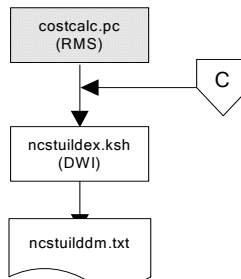
Supplier Contract



Return to Vendor

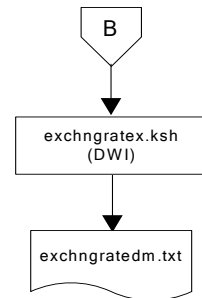


Net Cost

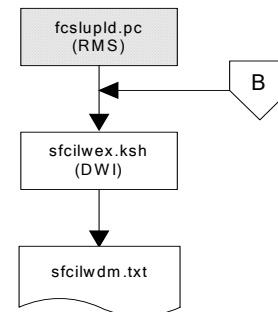


Fact Dataflows

Exchange Rates

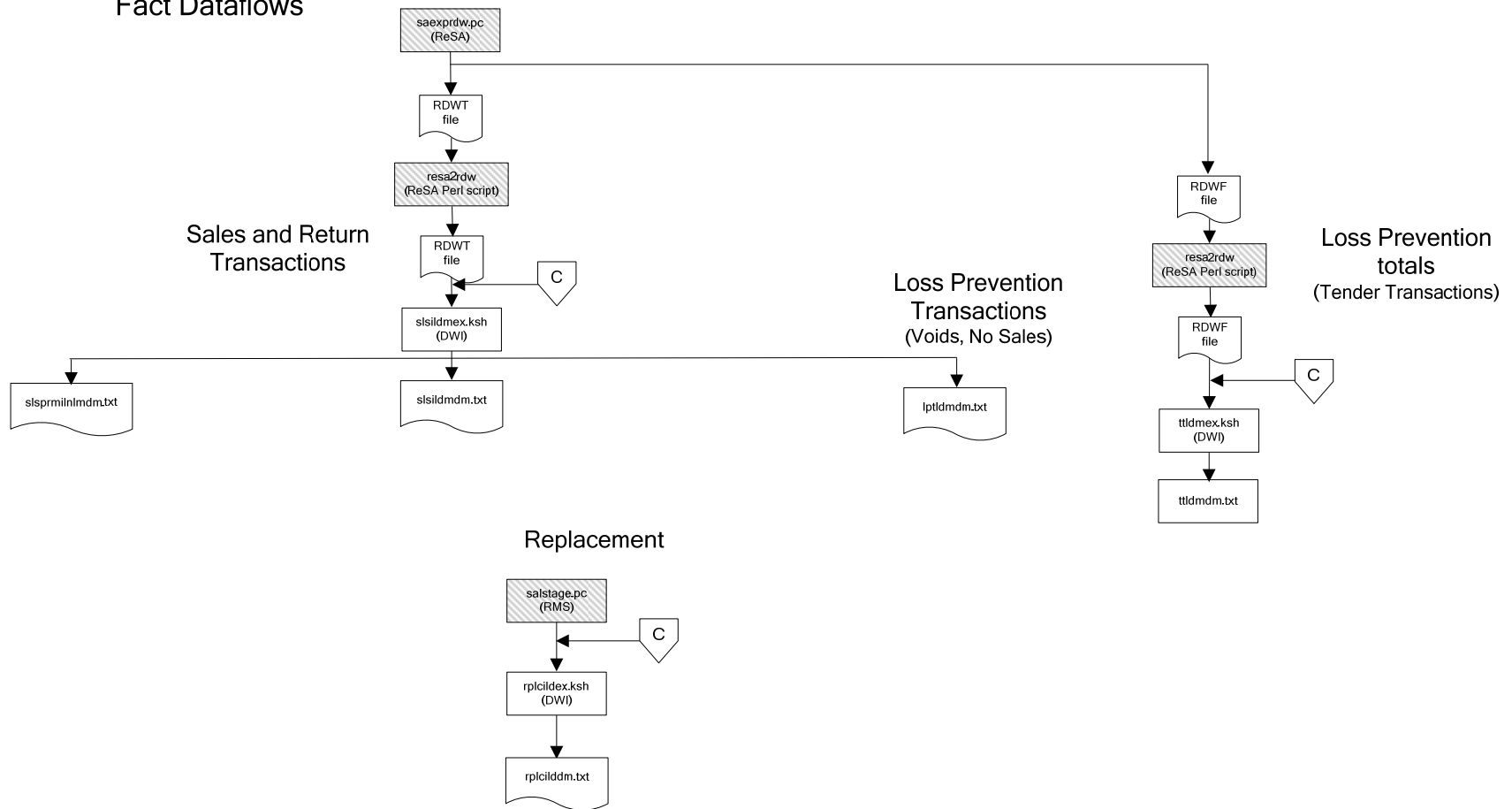


Sales Forecasts

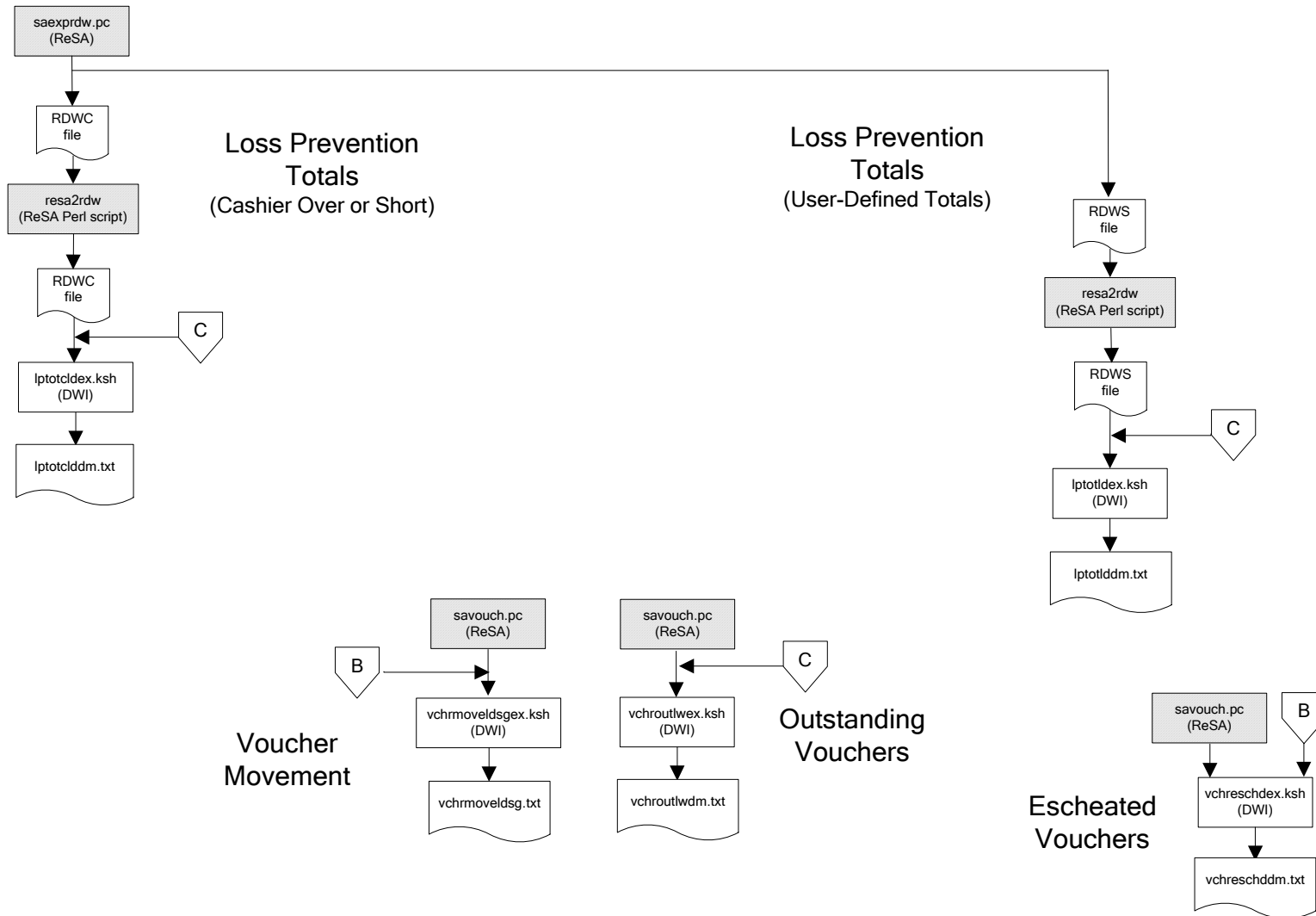


Note:
Run sales forecast fact loads
once weekly.

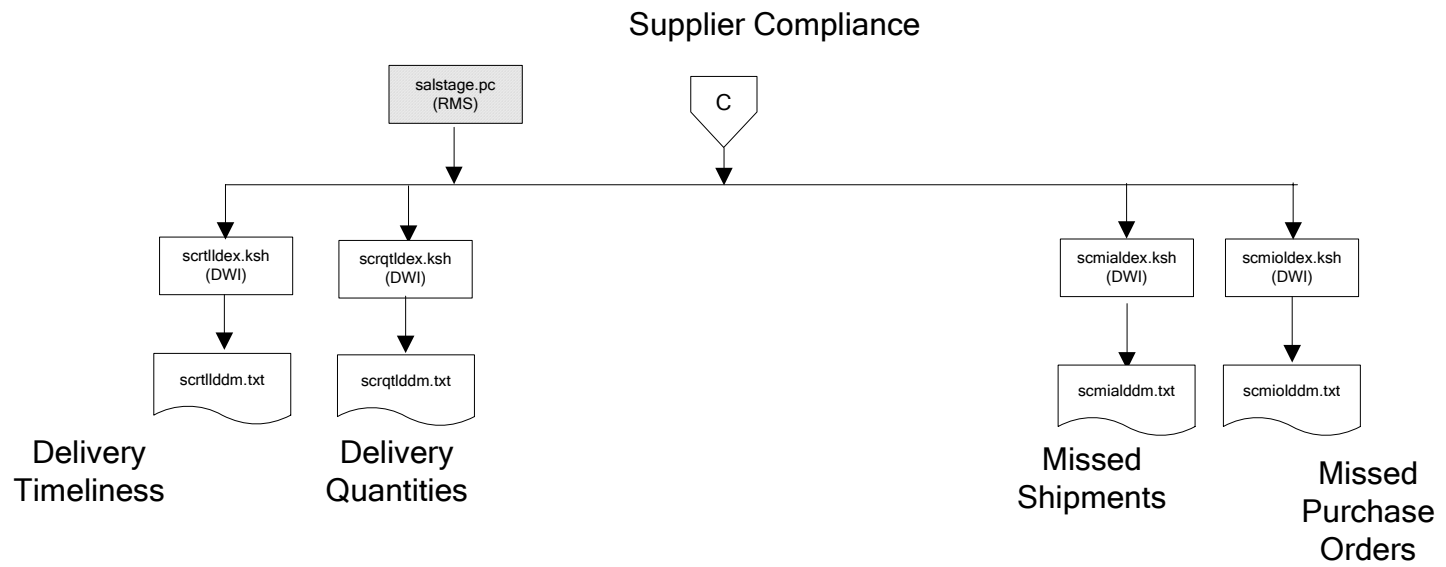
Fact Dataflows



Fact Dataflows



Fact Dataflows



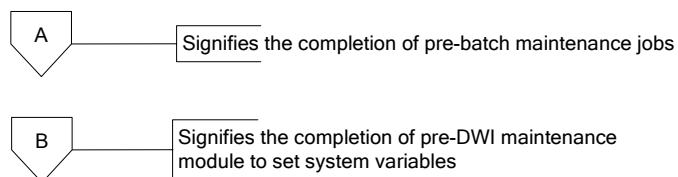
Interface Diagram for RPM and RDW

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.

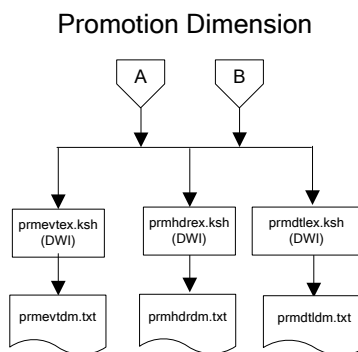
For detailed information about dimensions and facts, see the Oracle Retail Data Warehouse Operations Guide.

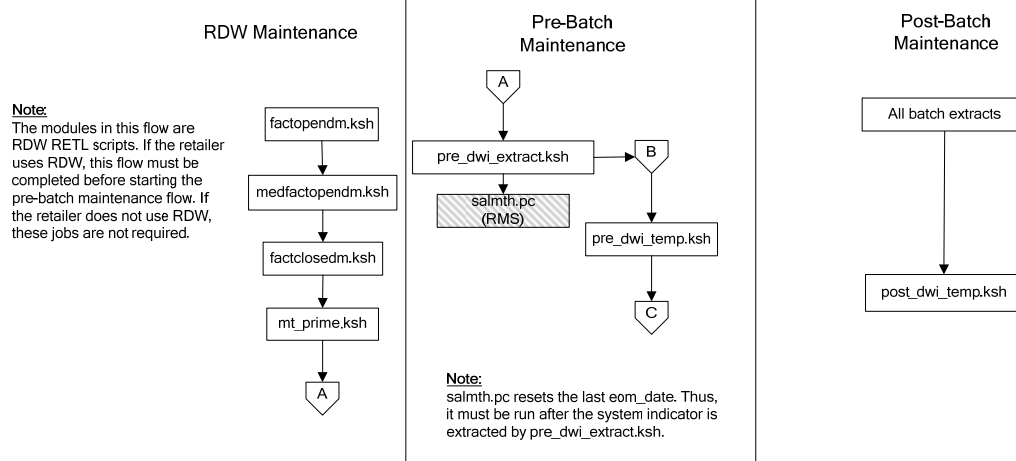
See the Oracle Retail Merchandising System Operations Guide Volume 1—Batch Overviews and Designs for more information about the modules shown in the following diagram.

Legend



Program Flow Diagram





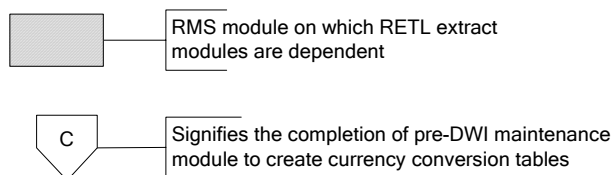
Interface Diagram for ReIM and RDW

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.

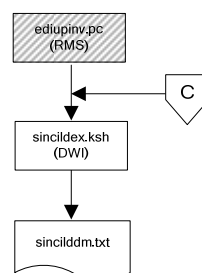
See the Oracle Retail Merchandising System Operations Guide Volume 1—Batch Overviews and Designs for more information about the modules shown in the following diagram.

Legend



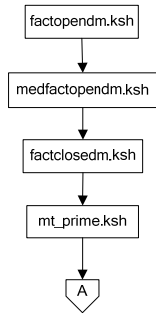
Program Flow Diagram

Supplier Invoice Cost

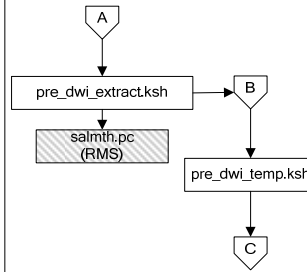


Note:
The modules in this flow are RDW RETL scripts. If the retailer uses RDW, this flow must be completed before starting the pre-batch maintenance flow. If the retailer does not use RDW, these jobs are not required.

RDW Maintenance



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

