

**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

<https://metalink.oracle.com>

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.

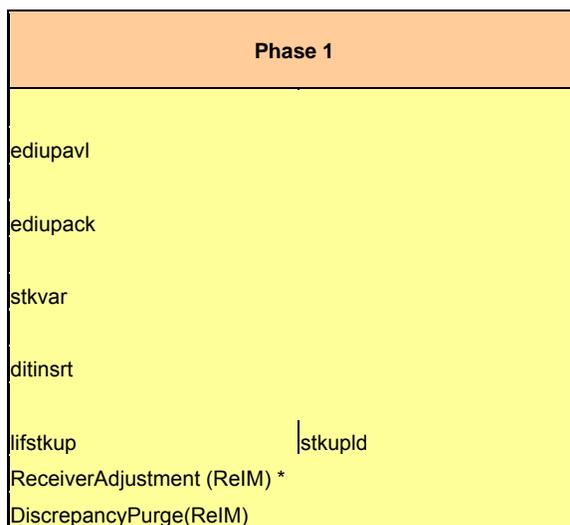
The following are brief descriptions of the Merchandising batch processing phases. Depending on your implementation, some programs and phases may not apply.

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. <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.

Sequence -----▶



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

<b>ociroq</b>		<b>cntrordb</b>
		<b>reqext</b>

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.

<b>ibexpl</b>		<b>ibcalc</b>
<b>cntrprss</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>
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In the following example, post-processing is required after successful completion of the sccext program.

<b>sccext</b>	<b>post</b>
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## 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
audstrg	Audit	N	N/A	N/A	ad hoc	N/A	daily	N	audstrg user/passw
audtsys	Audit	N	N/A	ad hoc	N/A	N/A	daily	N	audtsys user/passw
ccprg	Costing	N	N/A	ad hoc	N/A	N/A	monthly	N	ccprg user/passw
cednid	Trade Management	Y	Broker	2	N/A	N/A	daily	R	cednid user/passw broker file_name
cmpprg	Pricing	N	N/A	ad hoc	N/A	N/A	daily	N	cmpprg user/passw
cmupid	Pricing	N	N/A	ad hoc	N/A	All RPM batch modules	ad hoc	N	cmupid user/passw input_file reject_file
cntrmain	Contracting	N	N/A	0	N/A	All Replenishment modules	daily	R	cntrmain user/passw
cntrordb	Contracting	Y	Contract Dept	3	rpladj rplxt	prepost cntrordb post rplbid	daily	R	cntrordb user/passw
cntrprss	Contracting	Y	Dept	3	rplxt dismst	prepost cntrprss post rplbid	daily	R	cntrprss user/passw
costcalc	Deals	Y	Supplier	2	precostcalc	prepost costcalc post	daily	R	costcalc user/passw 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	N/A	recstclsy	daily	R	cremhierdy user/passw
deallact	Deals	Y	Deal Id	3	salstage prepost deallact_nor pre prepost deallact_po pre	N/A	daily	R	deallact user/passw
dealcls	Deals	N	N/A	3	N/A	N/A	daily	R	dealcls user/passw
dealdy	Deals	Y	Location	3	dealinc	prepost dealdy pos salmth	monthly	R	dealdy user/passw
dealex	Deals	Y	Deal Id	3	precostcalc dealinc	recstclsy	daily	N	dealex user/passw
dealfct	Deals	Y	Deal Id	3	dealinc	salmth dealfct	daily	R	dealfct user/passw [Y/N - EOM processing ind]
dealfnc	Deals	Y	Deal Id	3	deallact dealinc	salmth	weekly/ad hoc	R	dealfnc user/passw
dealinc	Deals	Y	Deal Id	3	N/A	prepost dealinc pre	monthly	R	dealinc user/passw [Y/N - EOM processing ind]
dealprg	Deals	N	N/A	ad hoc	N/A	N/A	monthly	R	dealprg user/passw
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))	(SQL*Load the output file) N/A	daily	R	dealupld user/passw input_file reject_file
dfribid	Item Maintenance	Y	Dept	3	ordscnt	N/A	daily	R	dfribid user/passw outfile
disctobapply	OTB	Y	Dept	4	ordscnt	N/A	daily	R	disctobapply user/passw
distrocpub	Pricing/Transfers/Allocation Publish	Y	Store	3	PriceEventExecutionBatch/RPM	N/A	daily	R	distrocpub user/passw
dtinart	Deals	N	N/A	1	N/A	costcalc ordscnt	daily	R	dtinart user/passw (P or S) (supplier/partner). deals set up by Partner or Supplier.
dyprg	Maintenance	N	N/A	0	N/A	(All other batch programs)	daily	N	supplier/partner is selected by appropriate calling script and passed into program. Note: (May use the batch_dyprg.ksh for launching this program as it is created based on performance considerations)
dcclose	Receiving	N	N/A	ad hoc	N/A	N/A	daily	R	dyprg user/passw
dtsys	Calendar	N	N/A	date_set	(This program should run at the end of the batch cycle)	prepost dtsys post	daily	N	dtsys user/passw [ndate--YYYYMMDD format]
dummyctn	Receiving	N	N/A	N/A	N/A	N/A	daily	N	dummyctn user/passw
ediadd	Maintenance	N	N/A	ad hoc	N/A	N/A	ad hoc	N	ediadd user/passw ediadd_output ediadd_catalog
edidcon	Contracting	N	N/A	ad hoc	N/A	N/A	ad hoc	N	edidcon user/passw edidcon_outfile
edidinv	Invoice Matching	Y	Location	4	ordrev	N/A	daily	R	edidinv user/passw output_filename
edidord	Ordering	N	N/A	4	(and after replenishment)	N/A	ad hoc	R	edidord user/passw filename
edidprd	EDI Interface - Sales and Inventory	N	N/A	4	prepost edidprd pre	prepost edidprd post	daily	R	edidprd user/passw filename
edidrg	EDI Interface - Purge	N	N/A	ad hoc	(Towards the end of the batch cycle)	N/A	monthly	R	edidrg user/passw
edupadd	Maintenance	N	File-based	2	N/A	N/A	daily	N	edupadd user/passw input_file reject_file
edupack	EDI Interface - ordering	N	N/A	1	N/A	N/A	ad hoc	R	edupack user/passw data_file reject_file
edupavl	EDI Interface - Contracts	N	File-based	1	N/A	N/A	daily	R	edupavl user/passw input_file reject_file
edupcat	EDI Interface - Suppliers	N	File-based	ad hoc	N/A	N/A	daily	R	edupcat user/passw edc_data_file error_fil
fcstrg	Forecasting	Y	Domain Id	ad hoc	prepost fcstrg pre	prepost fcstrg post	daily	N	fcstrg user/passw domain
fcstrbid	Forecasting	Y	Domain Id	3	N/A	prepost fcstrbid post	weekly	R	fcstrbid user/passw
fcstrbid_sbc	Forecasting	Y	Domain Id	3	prepost fcstrbid post	N/A	weekly	R	fcstrbid_sbc user/passw
ffgldn1	Financial Interface	Y	Dept	3	salstage	prepost ffgldn1 post	daily	R	ffgldn1 user/passw
ffgldn2	Financial Interface	Y	Dept	3	salstage	salapnd	daily	R	ffgldn2 user/passw
ffgldn3	Financial Interface	Y	Store/Wh	3	salmth	N/A	monthly	R	ffgldn3 user/passw
fmednid	Planning System Interface	N	N/A	ad hoc	N/A	N/A	ad hoc	R	fmednid user/passw
gcpupl	Misc Interface - Taxgeocode	N	N/A	ad hoc	N/A	N/A	ad hoc	R	gcpupl -username=passsword@environment> -infile> -outfile
genpreiss	Ordering	Y	Supplier	ad hoc	N/A	N/A	ad hoc	R	genpreiss user/passw
gradupld	Forecasting	N	File-based	ad hoc	N/A	N/A	ad hoc	R	gradupld user/passw input_file rej_file
hstbid	Sales	Y	Location	3	posupld	prepost hstbid post	weekly	R	hstbid user/passw level(weekly/rebuild)
hstbid_diff	Sales	N	N/A	ad hoc	hstbid	N/A	ad hoc	N	hstbid_diff user/passw
hstbidmth	Sales	Y	Dept	3	posupld	prepost hstbidmth post	monthly	R	hstbidmth user/passw level(monthly/rebuild)
hstbidmth_diff	Sales	N	N/A	ad hoc	N/A	N/A	ad hoc	N	hstbidmth_diff user/passw
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 user/passw (out_file)
hstrg	Sales	N	N/A	ad hoc	N/A	N/A	monthly	N	hstrg user/passw
hstrg_diff	Sales	N	N/A	ad hoc	N/A	N/A	weekly	N	hstrg_diff user/passw
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 user/passw (out_file)
hstupid	Trade Management	Y	File-based	ad hoc	Hts240_to_2400 (perl script) Ushs2rms (perl script)	prepost hstupid pre	ad hoc	R	hstupid user/passw input_file reject_file country_id ; perl hts_240_to_2400 inputfile outputfile ; perl ushs2rms inputfile outputfile rejectfile
ibcalc	Investment Buy	Y	Dept	3	replex	prepost ibcalc pre	daily	R	ibcalc user/passw
ibexpl	Investment Buy	N	N/A	3	rplxt	rplbid	daily	N	ibexpl user/passw
invaprg	Inventory Adjustments	N	N/A	ad hoc	N/A	N/A	monthly	N	invaprg user/passw
invclshp	Invoice Matching	N	N/A	2	N/A	N/A	daily	N	invclshp user/passw
invprg	Invoice Matching	N	N/A	ad hoc	ordprg	N/A	monthly	R	invprg user/passw
lcardnid	Letter of Credit	N	N/A	4	N/A	lcm700 (perl script)	daily	R	lcardnid user/passw output_file
lcribid	Maintenance - Location	N	N/A	ad hoc	storeadd	N/A	monthly	R	lcribid user/passw
lcmdnid	Letter of Credit	N	N/A	4	N/A	lcm707 (perl script)	daily	R	lcmdnid user/passw output_file

lcup798	Letter of Credit	N	N/A	2	lcm798 (perl script)	N/A	daily	R	lcup798 user/passwd input_file rej_file
lcupld	Letter of Credit	N	N/A	2	lcm730 (perl script)	N/A	daily	R	lcupld user/passwd input_file rej_file
lfskup	Stock Ledger	N	File-based	1	inv_bal_upload.sh (warehouse mgmt program)	stkupld	daily	N	lfskup 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
nwpyesarend	Stock Count	Y	Location	4	run on last day of yea	N/A	yearly	R	nwpyesarend user/passwd
ociroq	Replenishment	N	N/A	3	repladj	N/A	daily	R	ociroq user/passwd
onictext	Planning System Interface	Y	Transfer	4	onordext	onordndnd	weekly	R	onictext user/passwd datefile
onordndnd	Planning System Interface	Y	Store/Wh	4	onictext	N/A	daily	R	onordndnd user/passwd
onordext	Planning System Interface	Y	Order	4	prepost onordext pri	onictext	daily	R	onordext user/passwd datefile
ordautcl	Ordering	N	N/A	ad hoc	N/A	N/A	daily	N	ordautcl user/passwd
orddscent	Deals	Y	Supplier	4	discotbapply	discotbapply	daily	R	orddscent user/passwd
ordprg	Ordering	N	N/A	ad hoc	N/A	edidord	monthly	N	ordprg user/passwd
ordrev	Ordering	N	N/A	4	orddscent	orddscent	daily	R	ordrev user/passwd
ordupd	Ordering	N	N/A	4	(After RPM pricing change extraction)	otbdlsal	daily	N	ordupd user/passwd
otbdlord	OTB	N	N/A	4	batch	otbdlord	daily	R	otbdlord user/passwd output_file
otbdlsal	OTB	N	N/A	4	ordupd	N/A	daily	R	otbdlsal user/passwd output_file
otbdnd	OTB	N	N/A	4	ordupd	N/A	daily	R	otbdnd user/passwd output_file
otbprg	OTB	N	N/A	ad hoc	N/A	N/A	monthly	N	otbprg user/passwd
otbupfwd	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	otbupfwd user/passwd input_file reject_file
otbupkl	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	otbupkl user/passwd input_file reject_file
poscndnd	Point of Sale Interface	Y	N/A	4	posndnd	prepost poscndnd post	daily	R	poscndnd user/passwd outputfile
posndnd	Point of Sale Interface	Y	Store	ad hoc	N/A	prepost posndnd post	daily	R	posndnd user/passwd output_filename
posgpdnd	Point of Sale Interface	N	N/A	4	reclsdly	N/A	daily	R	posgpdnd user/passwd output_file
posupld	Sales	Y	File-based	2	saexpms(ReSA)	prepost posupld post	daily	R	posupld user/passwd infile rejfile itemfile lockfile
precostcalc	Deals	Y	Supplier	2	prepost precostcalc pre	costcalc	daily	R	precostcalc user/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	N/A	N/A	daily	N	prepost user/passwd program pre_or_pos
reclsdly	Item Maintenance	Y	Reclass no	4	cremhierdy	N/A	daily	R	reclsdly user/passwd process_mod
repladj	Replenishment	Y	Dept	3	rplatupd	rplext	daily	R	repladj user/passwd
reqext	Replenishment	Y	Partition (Item)	3	repladj	prepost reqext post	daily	R	reqext user/passwd partition_position (May use the batch_reqext.ksh for launching this program as it is created based on performance considerations)
rimaint	Replenishment	Y	Location	3	storeadc	prepost rimaint post	daily	R	rimaint username/password
rplapprv	Replenishment	N	N/A	3	rplatupd	prepost rplapprv pre	daily	R	rplapprv user/passwd
rplatupd	Replenishment	Y	Location	3	prepost rplatupd pre	rplext	daily	R	rplatupd user/passwd
rpblid	Replenishment	Y	Supplier	3	prepost rpl pre	prepost rplext post	daily	R	rpblid username/password
rplext	Replenishment	Y	Dept	3	repladj	prepost rplext post	daily	R	rplext user/passwd dept (May use the batch_rplext.ksh for launching this program as it is created based on performance considerations)
rplprg	Replenishment	N	N/A	ad hoc	N/A	N/A	daily	N	rplprg user/passwd
rplprg_month	Replenishment	N	N/A	ad hoc	N/A	N/A	monthly	N	rplprg_month user/passwd
rplsplit	Replenishment	Y	Supplier	3	supcnstr	rplapprv	daily	R	rplsplit user/passwd
rpmovavg	Pricing	Y	Store	3	salstage	N/A	daily	R	rpmovavg user/passwd business_date(YYYYMMDD) store(optiona
rvprg	RTV	N	N/A	ad hoc	N/A	N/A	monthly	N	rvprg user/passwd
saescheat	Sales Audit	N	N/A	SA	satotals	saexpim	monthly	R	saescheat user/passwd
saexpach	Sales Audit	N	N/A	SA	satotals	sapurge	daily	R	saexpach user/passwd
saexpgl	Sales Audit	N	N/A	SA	satotals	sapreexp	daily	R	saexpgl user/passwd
saexpim	Sales Audit	N	N/A	SA	satotals	sapreexp	daily	R	saexpim user/passwd
saexpndw	Sales Audit	Y	Store	SA	satotals	saescheat	daily	R	saexpndw user/passwd ; perl resa2rdw inputfile outputfil
saexpms	Sales Audit	Y	Store	SA	satotals	sapreexp	daily	R	saexpms user/passwd
saexpuar	Sales Audit	N	N/A	SA	satotals	sapreexp	daily	R	saexpuar user/passwd
sagetref	Sales Audit	N	N/A	SA	sastdycr	saimptlog	daily	R	sagetref user/passwd itemfile wastefile ref_itemfile prim_variantfile varupcfile storedayfile codesfile errorfile
saimpadj	Sales Audit	N	N/A	SA	saimptlogin	saimptlog	daily	R	cvallfile storeposfile tendertypefile merchcodefile partnerfile supplierfile employeefile bannefile. (To prevent a file from being written, place a '-' in its place. Note: Item files must all be written together).
saimptlog	Sales Audit	Y	Store/Day	SA	saimptlogin	saimptlog	daily	N	saimpadj user/passwd input_file rej_file saimptlog user/passwd itemfile wastefile refitemfile primvariantfile varupcfile storedayfile promfil codesfile errorfile cvallfile storeposfile tendertypefile merchcodefile partnerfile supplierfile employeefile bannefile
saimptlogin	Sales Audit	N	N/A	SA	savouch	satotals	daily	R	saimptlogin user/passwd store_day_file

salapnd	Stock Ledger	N	N/A	3	salstage ffgldn1			daily	R	salapnd user/passwd
saldly	Stock Ledger	Y	Store/Wh	3	ffgldn2			daily	R	saldly user/passwd
saleoh	Stock Ledger	Y	Dept	3	salstage	salweek		half yearly	N	saleoh user/passwd
salins	Sales	N	N/A	0	N/A	N/A		daily	R	salins user/passwd
salmaint	Stock Ledger	N	N/A	ad hoc	N/A	N/A		half yearly	N	salmaint user/passwd pre_or_post
salmonth	Stock Ledger	Y	Dept	3		prepost salmonth post		monthly	R	salmonth user/passwd
salprg	Stock Ledger	N	N/A	ad hoc	N/A	N/A		daily	N	salprg user/passwd
						salstage				
salstage	Stock Ledger	N	N/A	3	posupld sakly stkdy salapnd prepost salweek pre deallct			daily	N	salstage user/passwd
salweek	Stock Ledger	Y	Dept	3		deallct		weekly	R	salweek user/passwd
sapreexp	Sales Audit	N	N/A	SA	SA audit process	vendinvc vendinvf		daily	R	sapreexp user/passwd
saprepost	Sales Audit	N	N/A	SA	N/A	N/A		daily	N	saprepost user/passwd program_pre_or_post
sapurge	Sales Audit	Y	Store	SA	saprepost sapurge pre (This program should be run as the last program in the ReSA batch schedule)	saprepost sapurge post		daily	R	sapurge user/passwd deleted_items_file (optional list of store days to be deleted)
sarules	Sales Audit	N	N/A	SA	satotals (It should run before the DTESYS batch program and before the next store/day's transactions are received)	sarules		daily	R	sarules user/passwd store_no
sastdyr	Sales Audit	N	N/A	date_set	transactions are received)	dtesys		daily	R	sastdyr user/passwd [YYYYMMDD]
satotals	Sales Audit	N	N/A	SA	samptlogfn	sarules		daily	R	satotals user/passwd store_no
savouch	Sales Audit	N	N/A	SA	samptlog (and its SQL Load process)	samptlogfn		daily	R	savouch user/passwd infile rejfile tendertype_fil
sccost	Costing	Y	Cost change	3	costldex.ksh (RMS to RDW RETL extract)	prepost sccost post		daily	R	sccost user/passwd
schedprg	Organizational Hierarchy	N	N/A	ad hoc	N/A	N/A		monthly	R	schedprg user/passwd
sitmain	Item Maintenance	N	N/A	ad hoc	icrblid	N/A		ad hoc	R	sitmain user/passwd
southnd	Forecasting	Y	Domain Id	4	N/A	N/A		daily	R	southnd user/passwd
stkdy	Stock Ledger	Y	Dept	3	stkvar	salweek		daily	R	stkdy user/passwd
stkprg	Stock Ledger	Y	N/A	ad hoc	N/A	prepost stkprg post		monthly	N	stkprg user/passwd
stk Schedxpld	Stock Ledger	Y	Location	0	N/A	stkxpdl		daily	R	stk Schedxpld user/passwd
stkupd	Stock Ledger	Y	Location	3	prepost stkupd pre	stkxpdl		daily	R	stkupd user/passwd
stkupld	Stock Ledger	Y	Dept	1	stkup	N/A		daily	R	stkupld user/passwd input_file reject_fil
stkvar	Stock Ledger	Y	Dept	1	N/A	N/A		daily	R	stkvar user/passwd [report_file_name
stkxpdl	Stock Ledger	Y	Dept	3	wasteadj	stkupd		daily	R	stkxpdl user/passwd
stgdnld	Stock Ledger	Y	Dept	4	N/A	N/A		weekly	R	stgdnld user/passwd input_file
storeadd	Maintenance - Location	Y	N/A	ad hoc	N/A	likestore		daily	R	storeadd user/passwd
supcnstr	Replenishment	N	N/A	3	rpblid	rpblid		daily	R	supcnstr user/passwd
supmth	Stock Ledger	Y	Dept	3	N/A	prepost supmth post		monthly	R	supmth user/passwd
tampcctn	Receiving	N	N/A	ad hoc	N/A	N/A		ad hoc	N	tampcctn user/passwd
tkctdnld	Maintenance	N	N/A	ad hoc	N/A	N/A		daily	R	tkctdnld user/passwd filename_print_online_ind days_in_advance locator
tfposdn	Sales Tax	N	N/A	4	trposdn	prepost tfposdn post		daily	R	tfposdn user/passwd output_file
tranupld	Trade Management	Y	File-based	ad hoc	N/A	N/A		daily	R	tranupld user/passwd infile
tsprg	Transfers	N	N/A	ad hoc	N/A	N/A		monthly	R	tsprg user/passwd
trposdn	Point of Sale Interface	N	N/A	4	N/A	tfposdn		daily	R	trposdn user/passwd
trrupld	Sales Tax	N	N/A	4	N/A	N/A		ad hoc	R	trrupld username/password input_file reject_fil
vatdxpl	Maintenance - VAT	Y	Vat Region	0	N/A	prepost vatdxpl pos		daily	R	vatdxpl user/passwd
vendinvc	Deals	Y	Deal Id	3	dealact salstage(if daily) prepost vendinvc pre	prepost vendinvc post salweek(if weekly) salmonth (if monthly)		daily	R	vendinvc user/passwd
vendinvf	Deals	Y	Deal Id	3	prepost vendinvf pre	salmonth (if monthly)		daily	R	vendinvf user/passwd
vrpblid	Replenishment	Y	Supplier	2	edupack	prepost vrpblid post stkxpdl		daily	R	vrpblid user/passwd
wasteadj	Stock Ledger	Y	Store	3	N/A	stkupd		daily	R	wasteadj user/passwd
whadd	Maintenance - Location	N	N/A	ad hoc	N/A	N/A		daily	R	whadd user/passwd
whstrag	Maintenance - Location	N	N/A	3	(Must be run after all replenishment batch programs)	prepost whstrag post		daily	R	whstrag user/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 PriceEventExecutionBatch	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	MerchExtractKickOffBatch	daily	N	locationMoveBatch.sh rpm-app-userid password
PriceEventExecutionBatch	Price Change/Clearance/Promotion	Y	Pricing event	N/A	LocationMoveBatch	MerchExtractKickOffBatch	daily	N	priceEventExecutionBatch.sh rpm-app-userid password
PriceEventExecutionRMSBatch	Price Change/Clearance/Promotion	Y	Pricing event	N/A	salstage (RMS) PriceEventExecutionBatch	N/A	daily	N	priceEventExecutionRMSBatch.sh rpm-app-userid password
PriceEventExecutionDealsBatch	Price Change/Clearance/Promotion	Y	Pricing event	N/A	PriceEventExecutionBatch	N/A	daily	N	priceEventExecutionDealsBatch.sh rpm-app-userid password
PriceStrategyCalendarBatch	Price Strategy	N	N/A	N/A	N/A	MerchExtractKickOffBatch	daily	N	priceStrategyCalendarBatch.sh rpm-app-userid password
WorksheetAutoApproveBatch	Pricing Worksheet	Y	Price strategy	N/A	N/A	MerchExtractKickOffBatch	daily	N	worksheetAutoApproveBatch.sh rpm-app-userid password
MerchExtractKickOffBatch	Pricing Worksheet	Y	Price strategy	N/A	PriceEventExecutionBatch storeadd (RMS)	N/A	daily	N	merchExtractKickOffBatch.sh rpm-app-userid password
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	PriceStrategyCalendarBatch	RegularPriceChangePublishExport	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	ClearancePriceChangePublishExport	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	PromotionPriceChangePublishExport	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

**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	TermsRankingService	ReasonCodeActionRollup	daily	R	AutoMatch userid/password
BatchPurge	Invoice Matching (ReIM)	N	N/A	0	N/A	ResolutionPosting	daily	R	BatchPurge userid/password
ComplexDealUpload	Invoice Matching (ReIM)	Y	N/A	5	vendinv(RMS), vendinv(RMS)	AutoMatch	daily	R	ComplexDealUpload userid/password BlockSize PartitionNo
DiscrepancyPurge	Invoice Matching (ReIM)	N	N/A	1	N/A	N/A	daily	R	DiscrepancyPurge userid/password
DisputedCreditMemoRollup	Invoice Matching (ReIM)	N	N/A	6	ReasonCodeActionRollup	ResolutionPosting	daily	R	DisputedCreditMemoRollup userid/password
EdlinvoiceUpload	Invoice Matching (ReIM)	Y	N/A	5	edlinv(RMS)	AutoMatch	daily	R	EdlinvoiceUpload userid/password "EDI input file with path" "EDI reject file with path"
EdlinvoiceDownload	Invoice Matching (ReIM)	N	N/A	7	ResolutionPosting	N/A	daily	R	EdlinvoiceDownload userid/password
FixedDealUpload	Invoice Matching (ReIM)	Y	N/A	5	vendinv(RMS), vendinv(RMS)	AutoMatch	daily	R	FixedDealUpload userid/password BlockSize PartitionNo
ReasonCodeActionRollup	Invoice Matching (ReIM)	N	N/A	6	AutoMatch	DisputedCreditMemoRollup	daily	R	ReasonCodeActionRollup userid/password
ReceiptWriteoff	Invoice Matching (ReIM)	N	N/A	6	AutoMatch	N/A	daily	R	ReceiptWriteoff userid/password
ReceiverAdjustment	Invoice Matching (ReIM)	N	N/A	1	EdlinvoiceUpload	ReasonCodeActionRollup ResolutionPosting	daily	R	ReceiverAdjustment userid/password
ResolutionPosting	Invoice Matching (ReIM)	N	N/A	6	DisputedCreditMemoRollup	N/A	daily	R	ResolutionPosting userid/password
TermsRankingService	Invoice Matching (ReIM)	N	N/A	6	N/A	AutoMatch	monthly	R	TermsRankingService userid/passw

**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
rmse_rpas.ksh	Planning/Forecast System Interface	N	N/A	N/A	pre_rmse_rpas.ksh. (This is the launch script to 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	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	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_item_master.ksh	Planning/Forecast System Interface	N	N/A	N/A	recldy recldy	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_merchhier.ksh	Planning/Forecast System Interface	N	N/A	N/A	diyprg diyprg	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	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	Refer to RPAS Operations guide	daily	N	N/A

mase_rpas_store.ksh	Planning/Forecast System Interface	N	N/A	N/A	storeadd	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 hstwkupd	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_weekly_sales.ksh	Planning/Forecast System Interface	N	N/A	N/A	salweek whadd	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_wh.ksh	Planning/Forecast System Interface	N	N/A	N/A	dlyprg	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	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 RETL scripts are run	Refer to RPAS Operations guide	daily	N	rmsl_rpas_update_retl_date.ksh CLOSED_ORDER or RECEIVED_QTY

**RMS to RDW RETL Extracts Dependency and Scheduling  
Details (EXTRACTS\_FOR\_RDW)**

Dimension source: Program Name	Functional Area	Threaded	Driver	Phase	Pre-dependency	Post-dependency	Timing	Uses Restart/Recovery	Run Parameters for Programs
cdcdlex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmprrex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmprtrmex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmprtrcoex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmrcycoex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
cmpllyex.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), lcrblid (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), lcrblid (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), lcrblid (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), lcrblid (RMS)	Refer to RDW operations guide	daily	N	N/A
orglmex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblid (RMS)	Refer to RDW operations guide	daily	N	N/A
orglocoex.ksh	RDW interface	N	N/A	N/A	A, B, storeadd (RMS), dlyprg (RMS), lcrblid (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), lcrblid (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), lcrblid (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), lcrblid (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), lcrblid (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
prdcloex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (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
prddepx.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddifex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddivex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prddtypex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdgrpex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (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
prditmex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prditmlex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prditmltlex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
prditmsmex.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), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prdsboex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (RMS)	Refer to RDW operations guide	daily	N	N/A
prduoex.ksh	RDW interface	N	N/A	N/A	A, B, cremhierdly (RMS), recslidy (RMS), dlyprg (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
regntmex.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, 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
suprtrex.ksh	RDW interface	N	N/A	N/A	A, B, cntnmain (RMS)	Refer to RDW operations guide	daily	N	N/A
indtypex.ksh	RDW interface	N	N/A	N/A	A, B	Refer to RDW operations guide	daily	N	N/A
litypex.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
cmtrpcolidx.ksh	RDW interface	N	N/A	N/A	B	Refer to RDW operations guide	daily	N	cmtrpcolidx.ksh output_file_path/output_file_name
cslsidx.ksh	RDW interface	N	N/A	N/A	C	Refer to RDW operations guide	daily	N	cslsidx.ksh output_file_path/output_file_name
exchngrate.ksh	RDW interface	N	N/A	N/A	B	Refer to RDW operations guide	daily	N	exchngrate.ksh output_file_path/output_file_name
invldidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS), ordrev (RMS)	Refer to RDW operations guide	daily	Y	invldidx.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
ivrcplidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS), mrt (RMS)	Refer to RDW operations guide	daily	N	ivrcplidx.ksh output_file_path/output_file_name
ivridx.ksh	RDW interface	N	N/A	N/A	C	Refer to RDW operations guide	daily	N	ivridx.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
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, saexprdw (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, saexprdw (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	daily	N	prcolidx.ksh output_file_path/output_file_name
pre_dwi_extract.ksh	RDW interface	N	N/A	N/A	A	operations guide	daily	N	N/A
pre_dwi_temp.ksh	RDW interface	N	N/A	N/A	B	Refer to RDW operations guide	daily	N	N/A
rpcolidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS) C, cntprss (RMS), edupavi (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	rlapprv (RMS)	Refer to RDW operations guide	daily	N	savidex.ksh output_file_path/output_file_name
scmioldex.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	scmioldex.ksh output_file_path/output_file_name
scmioldex.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	scmioldex.ksh output_file_path/output_file_name
scrtidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	scrtidx.ksh output_file_path/output_file_name
scrtidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	Y	scrtidx.ksh output_file_path/output_file_name
scridex.ksh	RDW interface	N	N/A	N/A	C, rlapprv (RMS), cntprss (RMS), rpblid (RMS), cntmain (RMS).	Refer to RDW operations guide	daily	N	scridex.ksh output_file_path/output_file_name
scridex.ksh	RDW interface	N	N/A	N/A	B, rmsl_rpas_forecast.ksh (RMS to RPAS extract)	Refer to RDW operations guide	daily	N	scridex.ksh output_file_path/output_file_name
stclwex.ksh	RDW interface	N	N/A	N/A	C, saexprdw (ReSA), resa2rdw	Refer to RDW operations guide	daily	Y	stclwex.ksh output_file_path/output_file_name
stldmex.ksh	RDW interface	N	N/A	N/A	C, saexprdw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	stldmex.ksh output_file_path/output_file_name
stlmdnidx.ksh	RDW interface	N	N/A	N/A	C, salstage (RMS)	Refer to RDW operations guide	daily	N	stlmdnidx.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, salweek (RMS)	Refer to RDW operations guide	daily	N	stblwex.ksh output_file_path/output_file_name
stltime.ksh	RDW interface	N	N/A	N/A	C, saexprdw (ReSA), resa2rdw	Refer to RDW operations guide	daily	N	stltime.ksh output_file_path/output_file_name
vchrschdex.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vchrschdex.ksh output_file_path/output_file_name
vchrmovldsgex.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vchrmovldsgex.ksh output_file_path/output_file_name
vchroulwe.ksh	RDW interface	N	N/A	N/A	B, savouch (ReSA)	Refer to RDW operations guide	daily	N	vchroulwe.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.  
**C** is pre\_dwi\_temp.ksh DWI batch process.





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## Interface Diagrams for RMS and RPAS

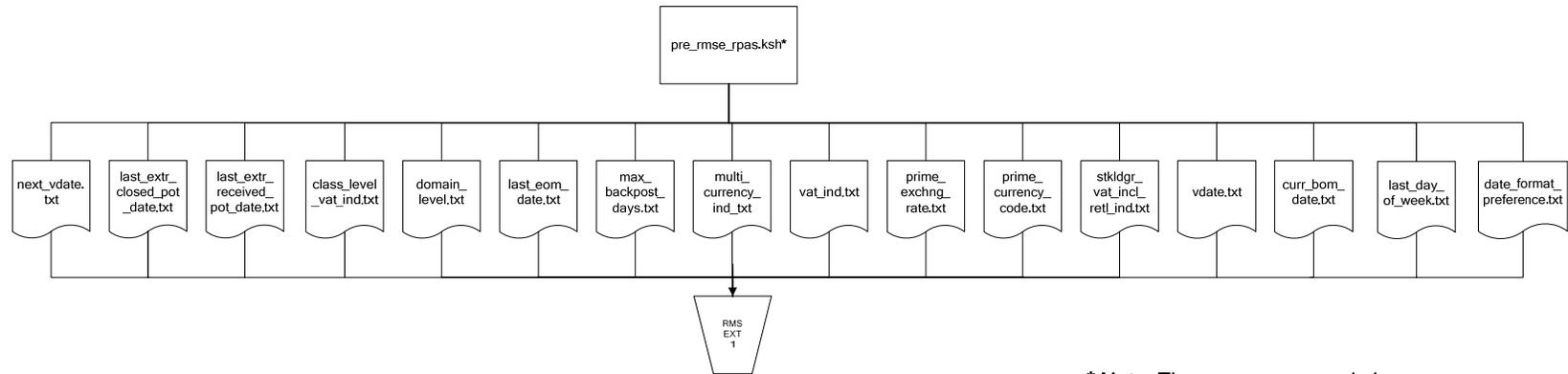
Because RMS is the retailer's central merchandising transactional processing system, it is the principle source of the foundation data needed in some of the Oracle Retail suite of products. RMS provides foundation data to RPAS, and RPAS provides planning data to RMS.

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

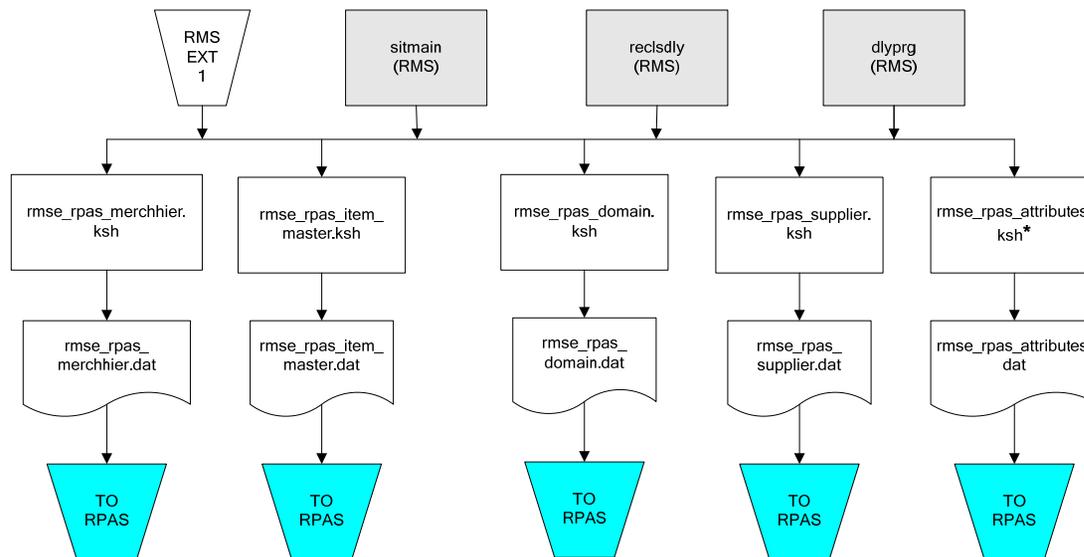
### RMS Pre RETL Extract Maintenance



**\* 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.

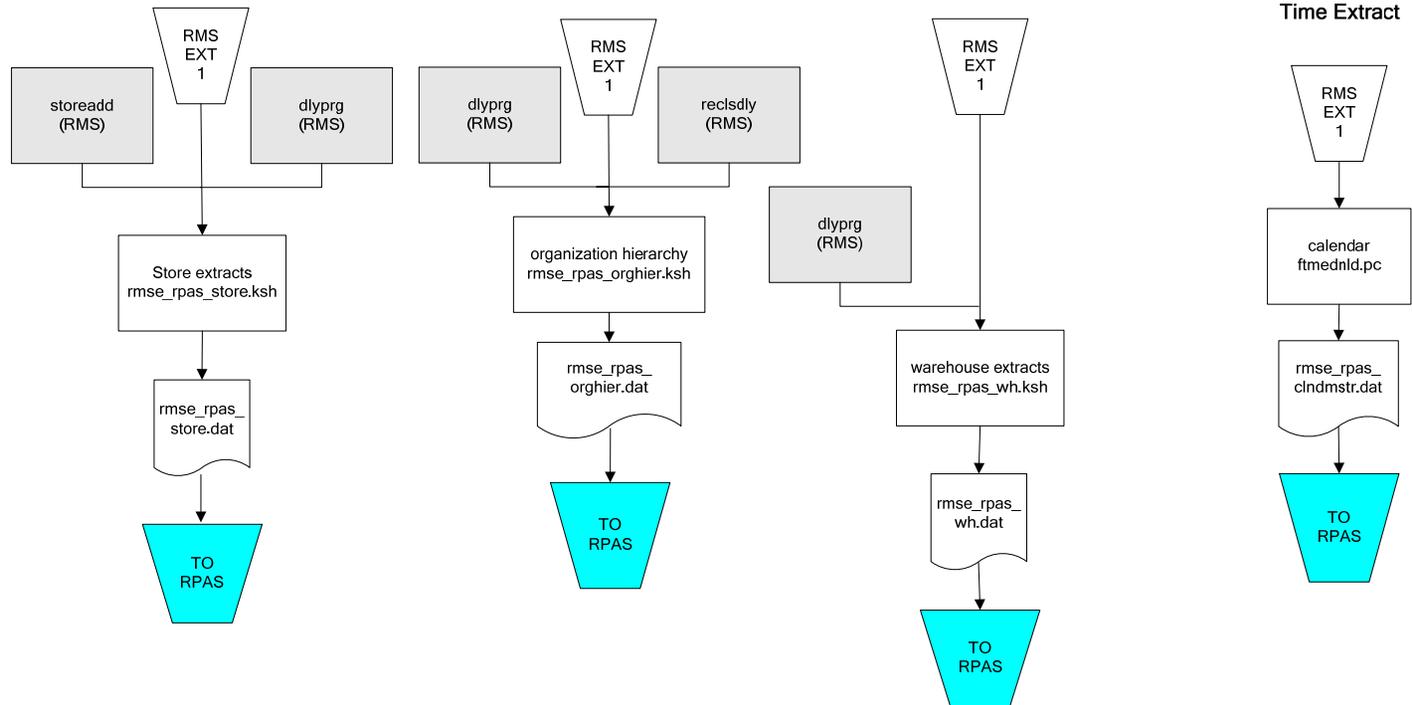
## RMS Foundation Data Extract Diagrams

### Merchandise Hierarchy for RPAS

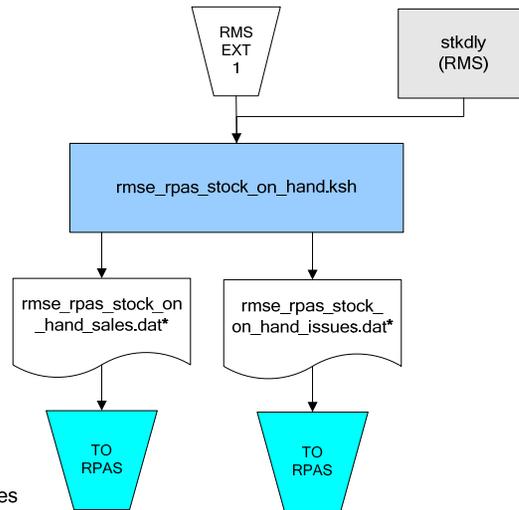


\*Note: The rmse\_rpas\_attributes.ksh flow is applicable only if issues are active.

### Organization Hierarchy for RPAS



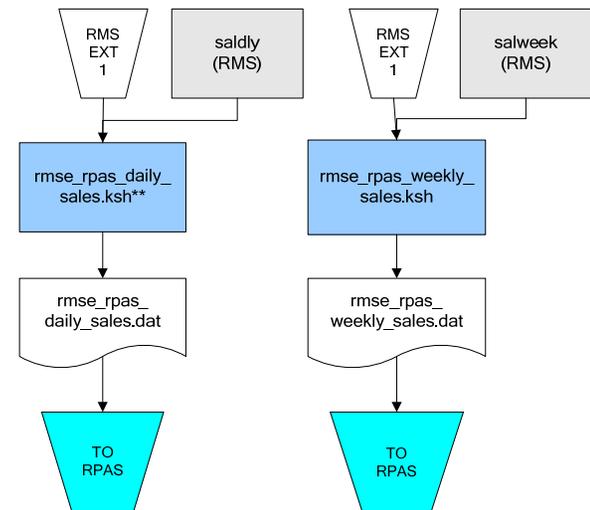
## RMS Fact Data Extract Diagrams



**\* 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

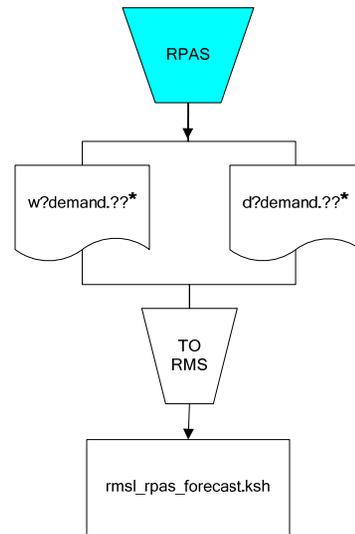
If issues are **not** active, the following file results from the rmse\_rpas\_stock\_on\_hand.ksh flow:  
 rmse\_rpas\_stock\_on\_hand\_sales.dat

## 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

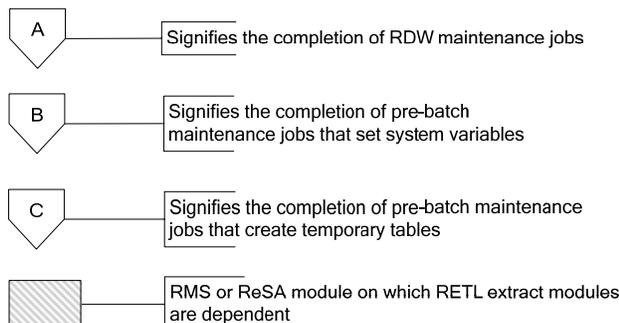
RMS works in conjunction with the Oracle Retail Extract Transform and Load (RETL) framework. RETL provides high-performance processing to extract data from Oracle Retail applications for use in data warehouses. The architecture allows database batch processes to take advantage of parallel processing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

This chapter presents flow diagrams for the RETL 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.

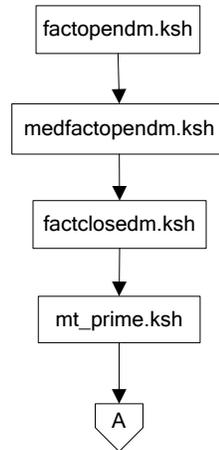
For summary information about the configuration, architecture, and features of RETL programs utilized in RMS/ReSA extractions, see the Oracle Retail Management System Operations Guide Volume 3 – Backend Configuration and Operations. For more information about the RETL tool, see the current RETL Programmer's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

### Legend

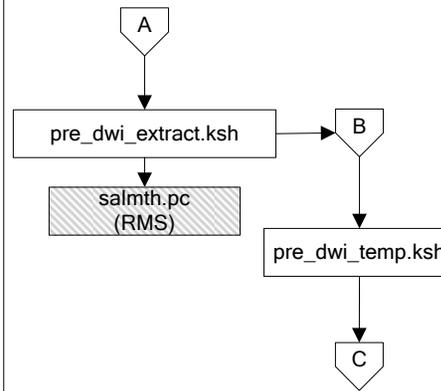


**Note:**  
The modules in this flow are RDW RETL scripts. If the retailer uses RDW, this flow must be completed before starting the pre-batch maintenance flow. If the retailer does not use RDW, these jobs are not required.

### RDW Maintenance

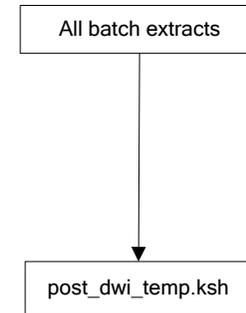


### Pre-Batch Maintenance

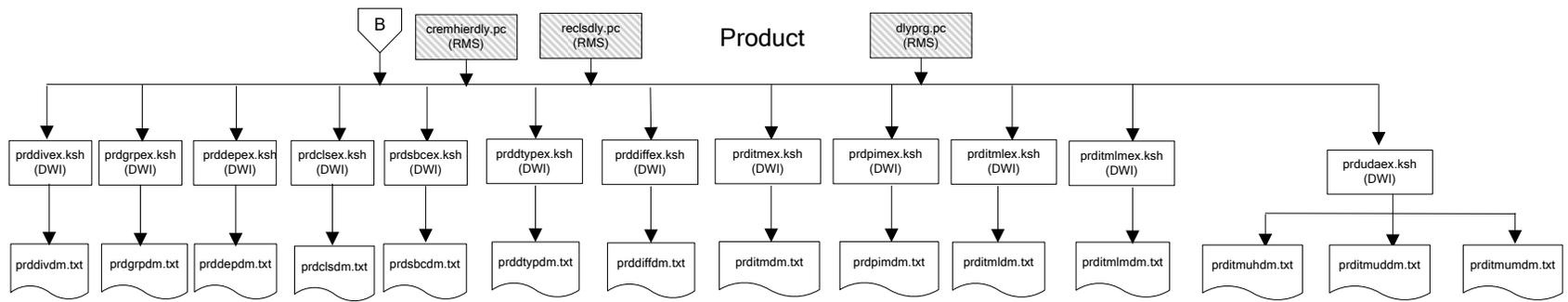


**Note:**  
`salmth.pc` resets the last `eom_date`. Thus, it must be run after the system indicator is extracted by `pre_dwi_extract.ksh`.

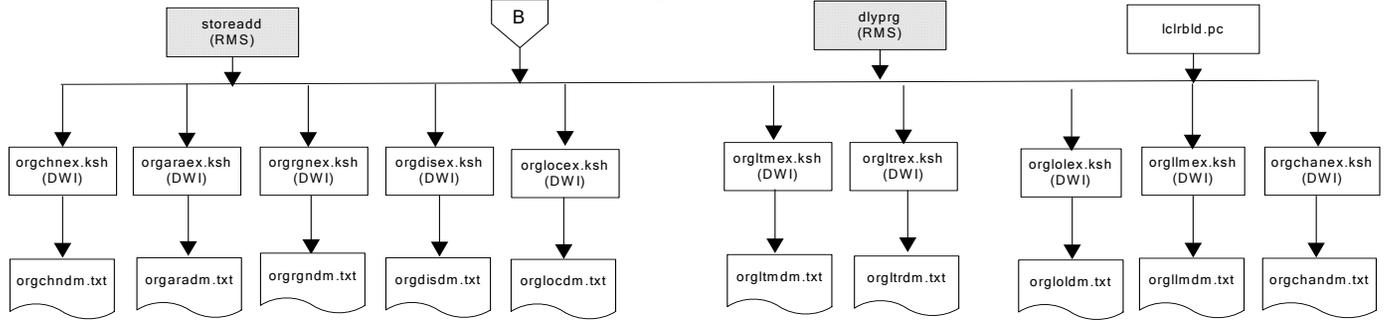
### Post-Batch Maintenance



## Dimension Dataflows

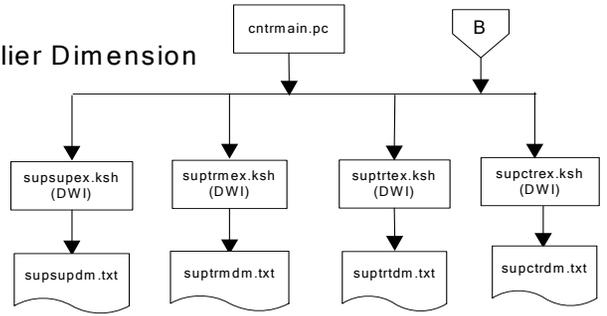


### Dimension Dataflows

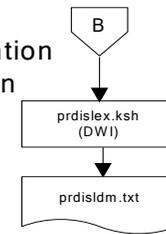


### Organization

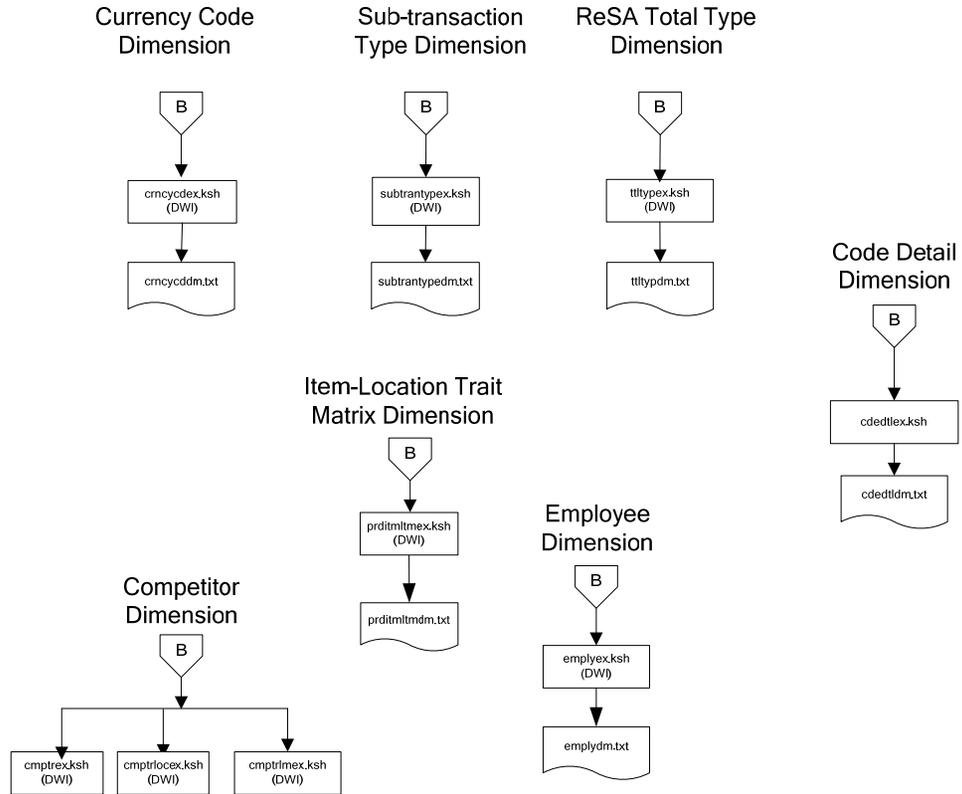
### Supplier Dimension



### Item-Supplier-Location Matrix Dimension

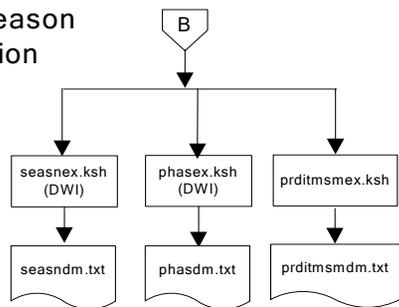


## Dimension Dataflows

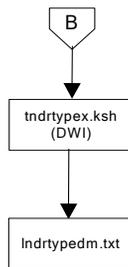


## Dimension Dataflows

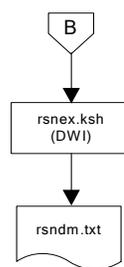
### Product Season Dimension



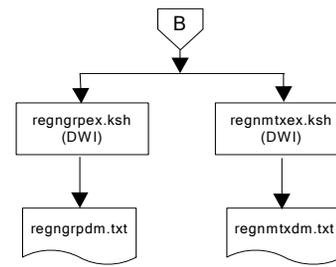
### Tender Type Dimension



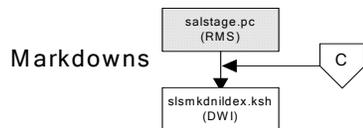
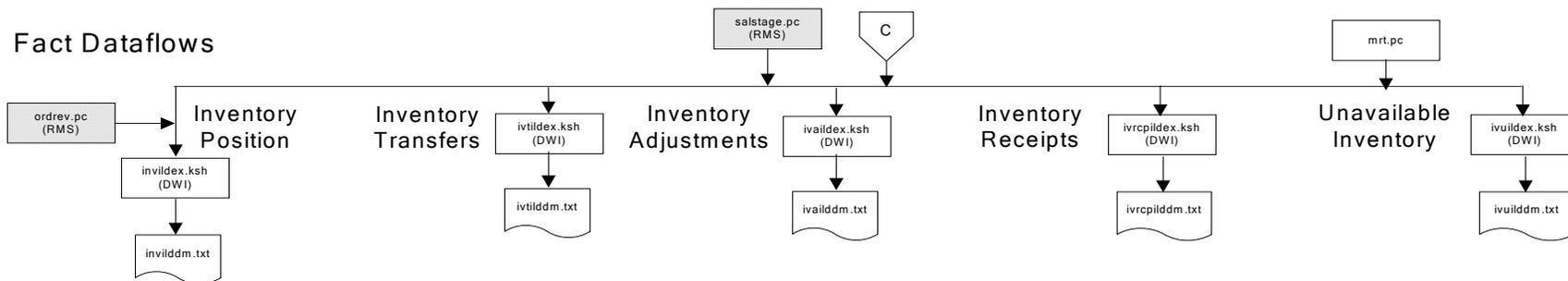
### Reason Dimension



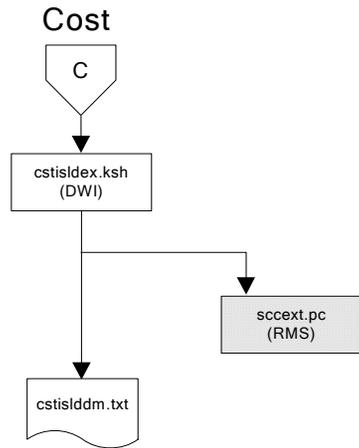
### Regionality Dimension



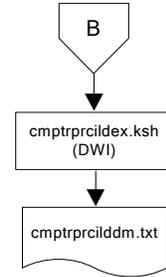
## Fact Dataflows



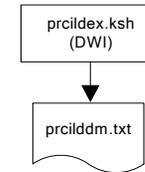
## Fact Dataflows



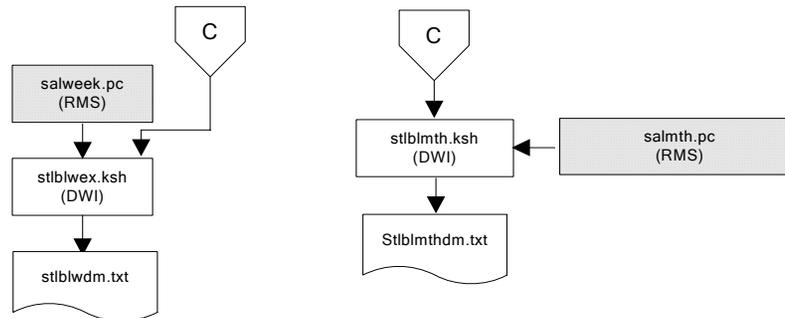
## Competitor Pricing



## RPM Pricing

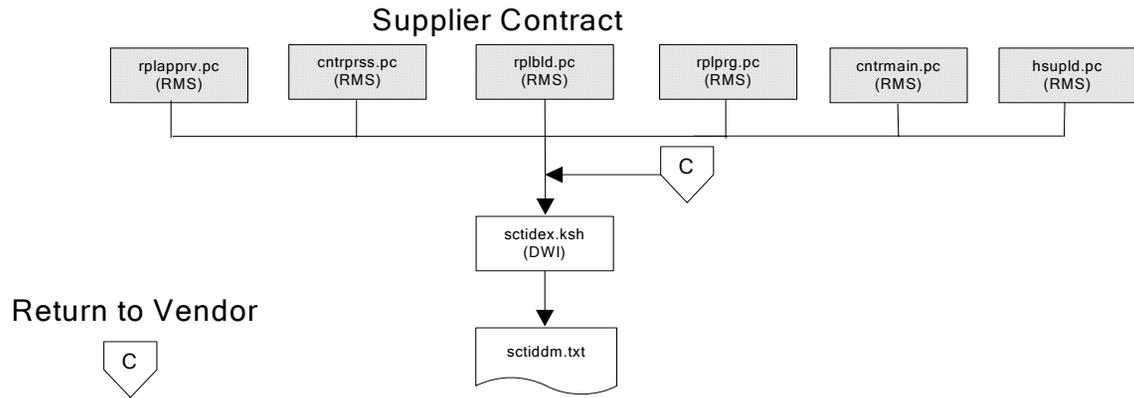
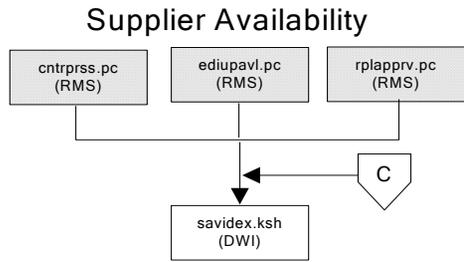


## Stock Ledger

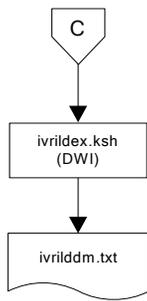


**Note:**  
Run stock ledger fact loads once weekly.

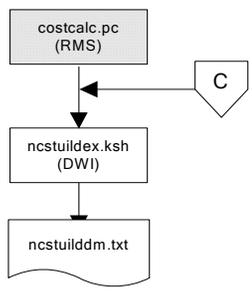
# Fact Dataflows



### Return to Vendor

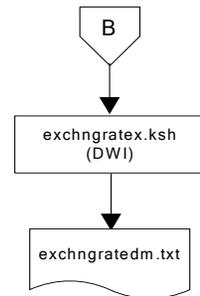


### Net Cost

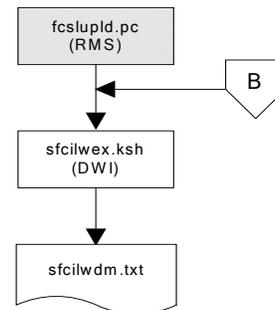


## Fact Dataflows

### Exchange Rates

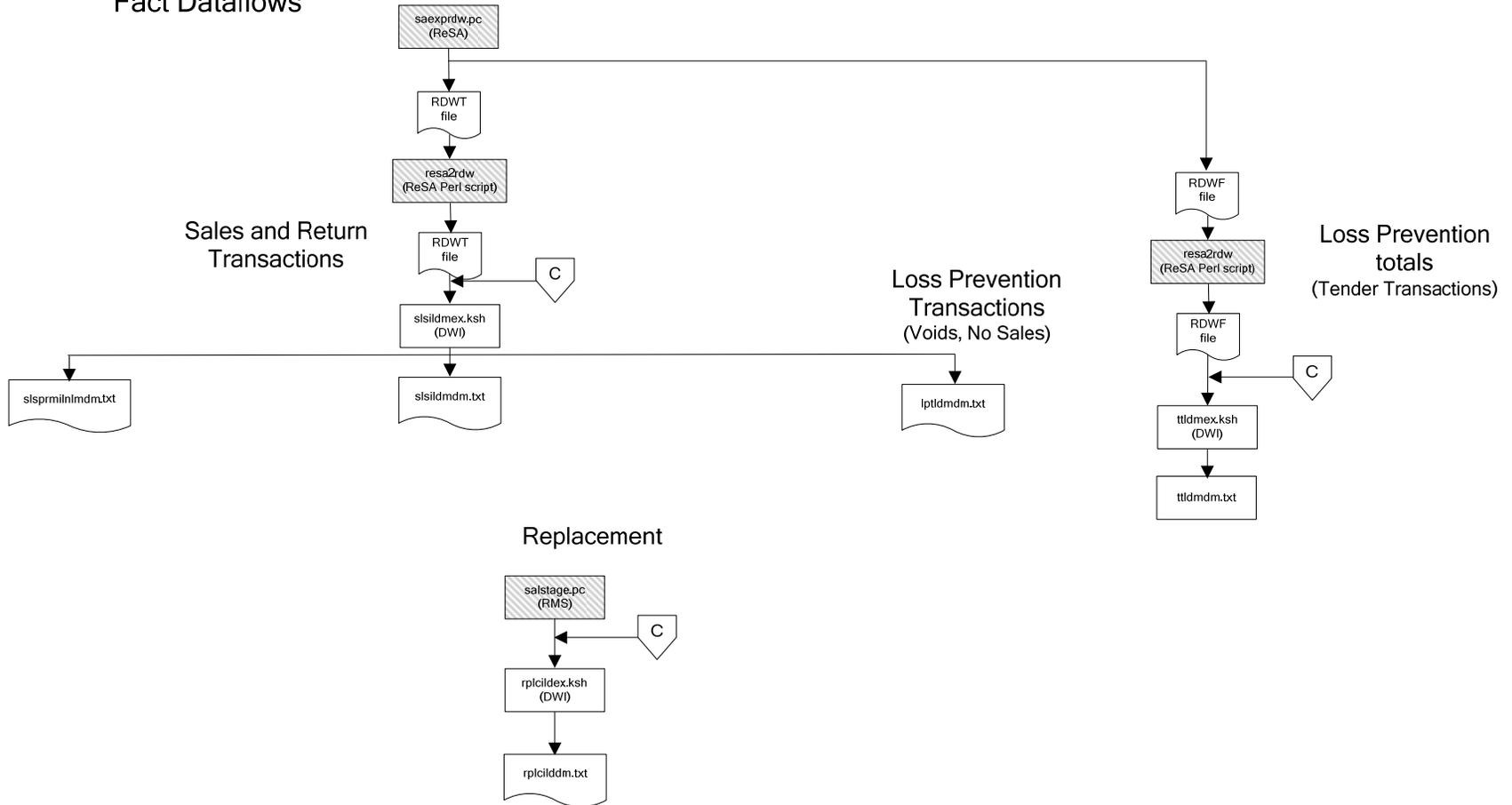


### Sales Forecasts

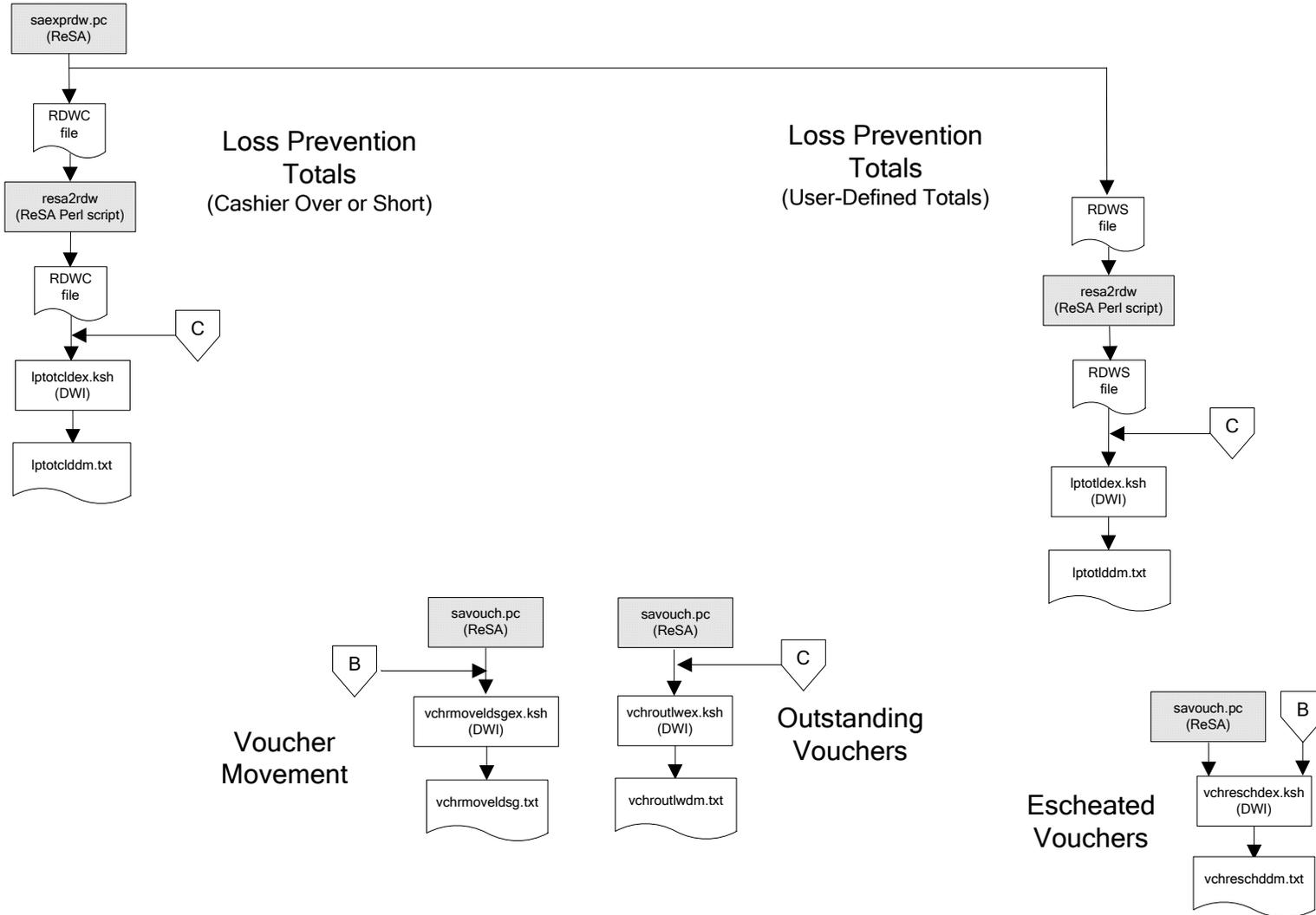


**Note:**  
Run sales forecast fact loads  
once weekly.

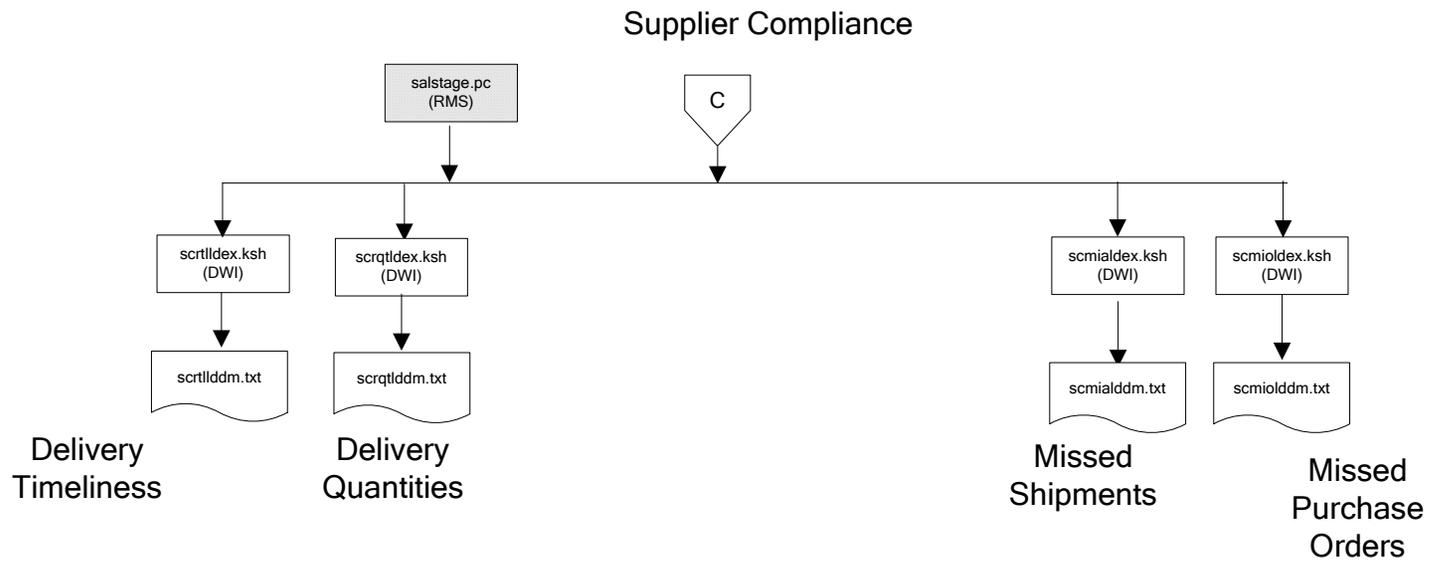
## Fact Dataflows



# Fact Dataflows



## Fact Dataflows



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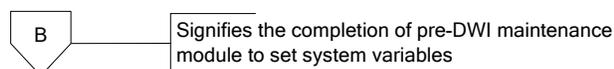
## Interface Diagram for RPM and RDW

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.

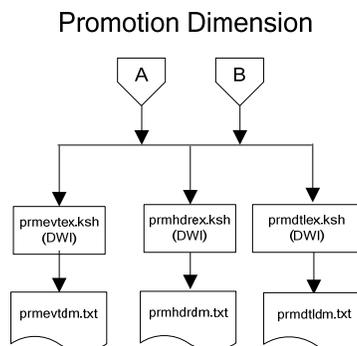
For detailed information about dimensions and facts, see the Retail Data Warehouse Operations Guide.

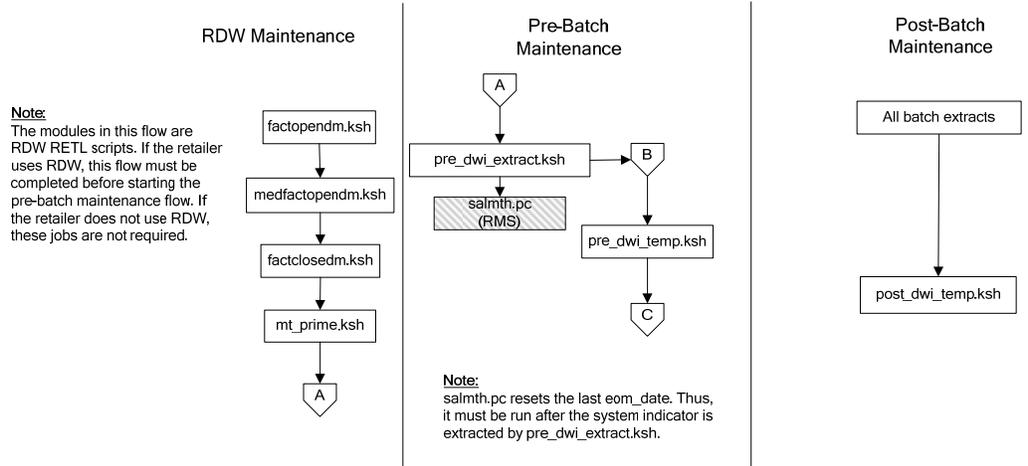
See the Retail Merchandising System Operations Guide Volume 1 – Batch Overviews and Designs for more information about the modules shown in the following diagram.

### Legend



### Program Flow Diagram





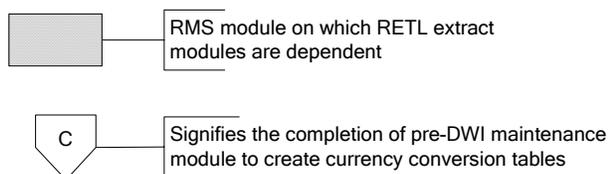
## Interface Diagram for ReIM and RDW

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.

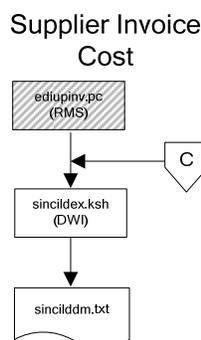
For detailed information about dimensions and facts, see the Retail Data Warehouse Operations Guide.

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

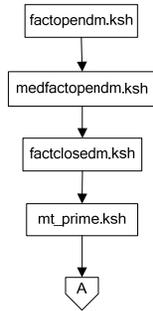


### Program Flow Diagram

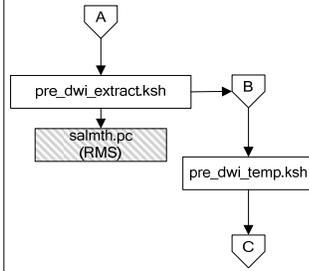


**Note:**  
The modules in this flow are RDW RETL scripts. If the retailer uses RDW, this flow must be completed before starting the pre-batch maintenance flow. If the retailer does not use RDW, these jobs are not required.

**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**

