

**Oracle® Retail Merchandising**  
Batch Schedule  
Release 13.2

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Oracle Retail Merchandising Batch Schedule, Release 13.2

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Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

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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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- Oracle Retail Fiscal Management (ORFM)

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 Invoice Matching Operations Guide*
- *Oracle Retail Merchandising System Operations Guide*
- *Oracle Retail Price Management Operations Guide*
- *Oracle Retail Fiscal Management/RMS Brazil Localization Implementation Guide*

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:  
<https://support.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

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 13.2) or a later patch release (for example, 13.2.1). If you are installing the base release and additional patch and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation.

Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

## Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

## 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.”

This is a code sample

```
It is used to display examples of code
```

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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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- Oracle Retail Fiscal Management (ORFM)

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**Note:** Additional batches are required to be run when Brazil localization is enabled in RMS.

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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)

The extracts for RPAS 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 Retail Extract, Transform, and Load (RETL) data flows for the extracts from RMS to MFP.
- Chapter 6 shows the RETL data flows for the extracts from RMS to Oracle Retail Advanced Inventory Planning (AIP).
- Chapter 7 shows the batch schedule if you have Brazil localization enabled in RMS.

### 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.

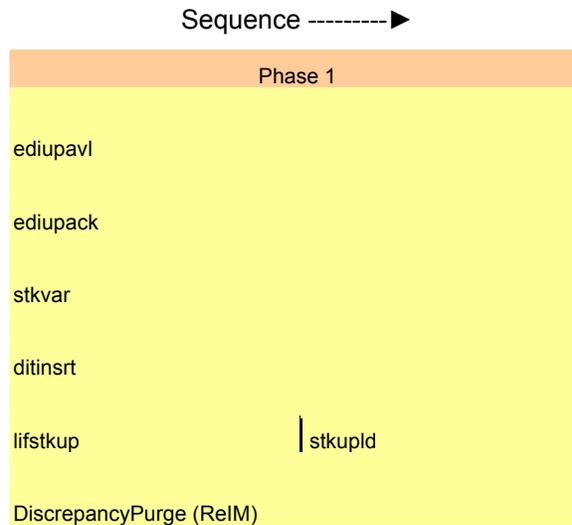
Each phase must be completed before the next phase can begin. Also, a phase may contain programs that depend on other programs within the phase. Programs within each phase may need to run in a particular sequence.

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 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	Description
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, 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.

<code>lifstkup</code>		<code>stkupld</code>
-----------------------	--	----------------------

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.

<code>ociroq</code>		<code>cntrordb</code>
		<code>reqext</code>

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.

<code>ibexpl</code>		<code>ibcalc</code>
<code>cntrprss</code>		

### 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, preprocessing is required before running the ociroq program.

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

In the following example, preprocessing 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 sccest program.

<b>sccest</b>	<b>post</b>
---------------	-------------

## Modifications to the Batch Schedule

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

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

- For example, a retailer may have purchased RMS, but not ReIM; in this case, the ReIM programs would not be run.
- Another example is that a retailer may not want to use some functionality within an application. Perhaps a retailer purchased RMS but did not purchase the MFP application. In this case, the retailer may not want to run the programs that extract RMS data to be used later by the MFP 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 *Oracle 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	
audlprg	Audit	N	N/A	ad hoc	N/A	N/A	daily	N	audlprg /@Batch_Alias_Name	
audtsys	Audit	N	N/A	ad hoc	N/A	N/A	daily	N	audtsys /@Batch_Alias_Name	
batch_alloctsfupd.ksh	Cost Component Updates	Y	Allocation and Transfer	2	batch_compeffupd.ksh	If none of the Cost Component Updates batch are to be run then, prepost batch_costcompupd post.	daily	N	batch_alloctsfupd.ksh [-p <# parallel threads>] <-connect> <-# parallel threads> is the number of threads to run in parallel. The default is the value on RESTART_CONTROL_NUM_THREADS.	
batch_compeffupd.ksh	Cost Component Updates	N	NA	2	NA	If none of the Cost Component Updates batch are to be run then, prepost batch_costcompupd post.	daily	N	batch_compeffupd.ksh <-connect>	
batch_deschrgupd.ksh	Cost Component Updates	N	N/A	2	batch_compeffupd.ksh	If none of the Cost Component Updates batch are to be run then, prepost batch_costcompupd post.	daily	N	batch_deschrgupd.ksh <-connect>	
batch_exprofupd.ksh	Cost Component Updates	N	N/A	2	batch_compeffupd.ksh	If none of the Cost Component Updates batch are to be run then, prepost batch_costcompupd post.	daily	N	batch_exprofupd.ksh <-connect>	
batch_ilmcostcompupd.ksh	Cost Component Updates	N	Location, Supplier	2	batch_compeffupd.ksh	If none of the Cost Component Updates batch are to be run then, prepost batch_costcompupd post.	daily	N	batch_ilmcostcompupd.ksh [-p <# parallel threads>] <-connect> <-# parallel threads> is the number of threads to run in parallel. The default is the value on RESTART_CONTROL_NUM_THREADS.	
batch_ordcostcompupd.ksh	Cost Component Updates	Y	Order	2	batch_compeffupd.ksh, prepost batch_ordcostcompupd pre	batch_compeffupd.ksh, prepost batch_costcompupd post	daily	N	batch_ordcostcompupd.ksh [-p <# parallel threads>] <-connect> <-# parallel threads> is the number of threads to run in parallel. The default is the value on RESTART_CONTROL_NUM_THREADS.	
batch_orpos_extract.ksh	Point of Sale Interface	Y	Store	4	prepost posndid post If RPM pricing info is reqd then run after extraction script prepost batch_orpos_extract post posndid (only if generic POS coupon extract is used)	prepost posndid post	daily	N	batch_orpos_extract.ksh /@Batch_Alias_Name [-p <no. of threads>] [DIR - location where extracts are to be generated]	
ccprg	Costing	N	N/A	ad hoc	N/A	N/A	monthly	N	ccprg /@Batch_Alias_Name	
cednid	Trade Management	Y	Broker	2	N/A	N/A	daily	R	cednid /@Batch_Alias_Name broker file_name	
cmprg	Pricing	N	N/A	ad hoc	N/A	N/A	daily	N	cmprg /@Batch_Alias_Name	
cmprgld	Pricing	N	N/A	ad hoc	N/A	All RPM batch modules	ad hoc	R	cmprgld /@Batch_Alias_Name input_file reject_file	
cntrmain	Contracting	N	N/A	0	N/A	All Replenishment modules	daily	R	cntrmain /@Batch_Alias_Name	
cntrordb	Contracting	Y	Contract	3	rpladl	prepost cntrordb post	daily	R	cntrordb /@Batch_Alias_Name	
cntrprss	Contracting	Y	Dept	3	rplstx	prepost cntrprss post	daily	R	cntrprss /@Batch_Alias_Name	
costeventprg.pc	Real Time Costing	Y	Event Type	0	N/A	N/A	daily	R	costeventprg /@Batch_Alias_Name	
cremhierdy	Reclassification	N	N/A	4	recldy	recldy	daily	R	cremhierdy /@Batch_Alias_Name	
deallact	Deals	Y	Deal Id	3	prepost dealact_nor pre prepost dealact_po pre	N/A	daily	R	deallact /@Batch_Alias_Name	
dealdts	Deals	N	N/A	3	N/A	prepost dealdts post	daily	R	dealdts /@Batch_Alias_Name	
dealday	Deals	Y	Location	3	prepost dealday pre dealinc	prepost dealday post salnth	monthly	R	dealday /@Batch_Alias_Name	
deallct	Deals	Y	Deal Id	3	prepost deallct pre	salnth deallct deallct	daily	R	deallct /@Batch_Alias_Name [Y/N - EOM processing ind]	
deallnc	Deals	Y	Deal Id	3	deallct deallct	salnth	weekly/ad hoc	R	deallnc /@Batch_Alias_Name	
dealinc	Deals	Y	Deal Id	3	prepost dealinc pre	salnth (if monthly)	monthly	R	dealinc /@Batch_Alias_Name [Y/N - EOM processing ind]	
deaprg	Deals	N	N/A	ad hoc	N/A	N/A	monthly	R	deaprg /@Batch_Alias_Name	
deasupld	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) (SQL*Load the output file)	daily	R	deasupld /@Batch_Alias_Name input_file reject_file	
dfrtbl	Item Maintenance	Y	Dept	3	ordscnt	ordscnt	daily	R	dfrtbl /@Batch_Alias_Name outfile	
disccobapp	OTIS	Y	Dept	4	ordscnt	ordscnt	daily	R	disccobapp /@Batch_Alias_Name	
distrocpub	Pricing/Transfers/Allocation Publish	Y	Store	3	prepost PriceEventExecutionBatch(RPM)	N/A	daily	R	distrocpub /@Batch_Alias_Name P or S = program is either run for deals set up by Partner or Supplier. supplier/partner is selected by appropriate calling script and passed into program. Note: (May use the batch_dfinstr.ksh for launching this program as it is created based on performance considerations)	
dfinstr	Deals	N	N/A	1	N/A	ordscnt	daily	R	dfinstr /@Batch_Alias_Name (P or S) (supplier/partner).	
dyprg	Maintenance	N	N/A	0	N/A	(All other batch programs)	daily	N	dyprg /@Batch_Alias_Name	
docclose	Receiving	N	N/A	ad hoc	N/A	N/A	daily	R	docclose /@Batch_Alias_Name	
dresys	Calendar	N	N/A	date_set	(This program should run at the end of the batch cycle)	prepost dresys post	daily	N	dresys /@Batch_Alias_Name [date--YYYYMMDD format]	
dumnychn	Receiving	N	N/A	ad hoc	N/A	N/A	daily	N	dumnychn /@Batch_Alias_Name	
edidlad	Maintenance	N	N/A	ad hoc	N/A	N/A	ad hoc	N	edidlad /@Batch_Alias_Name edidlad_output edidlad_catalog	
edidicon	Contracting	N	N/A	ad hoc	N/A	N/A	ad hoc	N	edidicon /@Batch_Alias_Name edidicon_outfile	
edidinv	Invoice Matching	Y	Location	4	N/A	N/A	daily	R	edidinv /@Batch_Alias_Name output_filename	
edidlord	Ordering	N	N/A	4	(and after replenishment batch)	N/A	ad hoc	R	edidlord /@Batch_Alias_Name filename	
edidprd	EDI Interface - Sales and Inventory	N	N/A	4	prepost edidprd pre	prepost edidprd post	daily	R	edidprd /@Batch_Alias_Name filename	
ediprg	EDI Interface - Purge	N	N/A	ad hoc	(Towards the end of the batch cycle)	N/A	monthly	R	ediprg /@Batch_Alias_Name	
edipad	Maintenance	N	File-based	2	N/A	N/A	daily	N	edipad /@Batch_Alias_Name input_file reject_file	
edipack	EDI Interface - ordering	N	N/A	1	N/A	N/A	ad hoc	R	edipack /@Batch_Alias_Name data_file reject_file	
edipaw	EDI Interface - Contracts	N	File-based	1	N/A	N/A	daily	R	edipaw /@Batch_Alias_Name input_file reject_file	
edipawt	EDI Interface - Suppliers	N	File-based	ad hoc	N/A	N/A	daily	R	edipawt /@Batch_Alias_Name edi_data_file error_file	
elcexprg	Cost Component Updates	N	N/A	2	N/A	N/A	ad hoc	N	elcexprg /@Batch_Alias_Name	
fcsec	Real Time Costing	Y	Cost Event Process Id	2	fcsthreadexec	prepost fcsec pre	daily/ad hoc	N	fcsec /@Batch_Alias_Name	
fcsthreadexec	Real Time Costing	Y	Cost Event Process Id	2	batch_ilmcostcompupd.ksh	N/A	daily/ad hoc	N	fcsthreadexec /@Batch_Alias_Name	
fcstprg	Forecasting	Y	Domain Id	ad hoc	prepost fcstprg pre	prepost fcstprg post	daily	N	fcstprg /@Batch_Alias_Name domain	
fcstbrld	Forecasting	Y	Domain Id	3	N/A	prepost fcstbrld post	weekly	R	fcstbrld /@Batch_Alias_Name	
fcstbrld_sbc	Forecasting	Y	Domain Id	3	prepost fcstbrld post salstage	N/A	weekly	R	fcstbrld_sbc /@Batch_Alias_Name	
ffigdn1	Financial Interface	Y	Dept	3	salstage	prepost ffigdn1 post	salapnd	daily	R	ffigdn1 /@Batch_Alias_Name
ffigdn2	Financial Interface	Y	Dept	3	salstage	salapnd	daily	R	ffigdn2 /@Batch_Alias_Name	
ffigdn3	Financial Interface	Y	Store/Wh	3	salnth	N/A	monthly	R	ffigdn3 /@Batch_Alias_Name	
ftmednid	Planning System Interface	N	N/A	ad hoc	N/A	N/A	ad hoc	R	ftmednid /@Batch_Alias_Name	
gcpuid	Misc Interface - Taxcodeorg	N	N/A	ad hoc	N/A	N/A	ad hoc	R	gcpuid -username/password@environment> <infile> <outfile>	
gnpress	Ordering	Y	Supplier	ad hoc	N/A	N/A	ad hoc	R	gnpress /@Batch_Alias_Name	
gradupld	Forecasting	N	File-based	ad hoc	N/A	N/A	ad hoc	R	gradupld /@Batch_Alias_Name input_file rej_file	
hstbl	Sales	Y	Location	3	posupld	prepost hstbl pre (for rebuild all)	weekly	R	hstbl /@Batch_Alias_Name level(weekly/rebuild)	
hstbl_diff	Sales	N	N/A	ad hoc	hstbl	N/A	ad hoc	N	hstbl_diff /@Batch_Alias_Name	
hstblmth	Sales	Y	Dept	3	posupld	prepost hstblmth post	monthly	R	hstblmth /@Batch_Alias_Name level(monthly/rebuild)	
hstblmth_diff	Sales	N	N/A	ad hoc	N/A	prepost hstbl post (Run SQL*Loader using the control file hstblmthupd.ctl to load data from the output file)	ad hoc	R	hstblmth_diff /@Batch_Alias_Name	
hstblmthupd	Sales	Y	Location	3	(The program should be run on the last day of the month).	hstblmthupd.ctl to load data from the output file	monthly	R	hstblmthupd /@Batch_Alias_Name (out_file)	
hstprg	Sales	N	N/A	ad hoc	N/A	records on ITEM_LOC_HIST_MTH)	monthly	N	hstprg /@Batch_Alias_Name	
hstprg_diff	Sales	N	N/A	ad hoc	N/A	N/A	weekly	N	hstprg_diff /@Batch_Alias_Name	
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 /@Batch_Alias_Name (out_file)	

hsupld	Trade Management	Y	File-based	ad hoc	Hts240_to_2400 (perl script) Ushs2rme (perl script) prepost hsupld pre ibexpl	N/A	ad hoc	R	hsupld /@Batch_Alias_Name input_file reject_file country_id ; perl hts_240_to_2400 inputfile outputfile ; perl ushs2rme inputfile outputfile rejectfile		
ibcalc	Investment Buy	Y	Dept	3	replext	rplbid	daily	R	ibcalc /@Batch_Alias_Name		
ibexpl	Investment Buy	N	N/A	3	rplext	ibcalc	daily	N	ibexpl /@Batch_Alias_Name		
invaprg	Inventory Adjustments	N	N/A	ad hoc	N/A	N/A	monthly	N	invaprg /@Batch_Alias_Name		
invclshp	Invoice Matching	N	N/A	2	N/A	N/A	daily	N	invclshp /@Batch_Alias_Name		
invprg	Invoice Matching	N	N/A	ad hoc	onrdrg	N/A	monthly	R	invprg /@Batch_Alias_Name		
icadnid	Letter of Credit	N	N/A	4	N/A	lcm700 (perl script)	daily	R	icadnid /@Batch_Alias_Name input_file output_file		
icridid	Maintenance - Location	N	N/A	ad hoc	storeadd	N/A	monthly	R	icridid /@Batch_Alias_Name		
lcmnid	Letter of Credit	N	N/A	4	N/A	lcm707 (perl script)	daily	R	lcmnid /@Batch_Alias_Name output_file		
lcup798	Letter of Credit	N	N/A	2	lcm798 (perl script)	N/A	daily	R	lcup798 /@Batch_Alias_Name input_file rej_file		
lcupld	Letter of Credit	N	N/A	2	lcm730 (perl script)	N/A	daily	R	lcupld /@Batch_Alias_Name input_file rej_file		
listkup	Stock Ledger	N	File-based	1	inv_bal_upload.sh (warehouse mgmt program)	stikupld	daily	N	listkup /@Batch_Alias_Name input_file output_file		
likestore	Maintenance - Location	Y	Dept	ad hoc	storeadd	prepost likestore post	daily	R	likestore /@Batch_Alias_Name		
mnt	Mass Return Transfers	Y	Warehouse	2	N/A	mrttrv	daily	R	mnt /@Batch_Alias_Name		
mrtprg	Mass Return Transfers	Y	Warehouse	ad hoc	N/A	mrtupd	ad hoc	R	mrtprg /@Batch_Alias_Name		
mrttrv	Mass Return Transfers	Y	Warehouse	2	mrt		daily	R	mrttrv /@Batch_Alias_Name		
mrtupd	Mass Return Transfers	Y	Warehouse	2	mrttrv	N/A	daily	R	mrtupd /@Batch_Alias_Name		
nwppurge	Stock Ledger	N	N/A	ad hoc	N/A	N/A	ad hoc	N	nwppurge /@Batch_Alias_Name		
nwpyearend	Stock Count	Y	Location	4	run on last day of year	N/A	yearly	R	nwpyearend /@Batch_Alias_Name		
ociroq	Replenishment	N	N/A	3	prepost ociroq pre repladj	N/A	daily	R	ociroq /@Batch_Alias_Name		
onordext	Planning System Interface	Y	Transfer	4	onordext	onordnid	weekly	R	onordext /@Batch_Alias_Name datefile		
onordnid	Planning System Interface	N	Store/Wh	4	N/A	N/A	daily	R	onordnid /@Batch_Alias_Name		
onordext	Planning System Interface	Y	Order	4	prepost onordext pre	onordext	daily	R	onordext /@Batch_Alias_Name datefile		
ordautcl	Ordering	N	N/A	ad hoc	N/A	N/A	daily	N	ordautcl /@Batch_Alias_Name		
ordscnt	Deals	Y	Supplier	4	ditnsrt scoext	discothapply	dealcls	daily	R	ordscnt /@Batch_Alias_Name	
ordinvupld	Inventory Adjustments	Y	File-based	2	saordinvexp	N/A	daily	R	ordinvupld /@Batch_Alias_Name input_file reject_file lock_file		
ordprg	Ordering	N	N/A	ad hoc	N/A	invpbg	monthly	N	ordprg /@Batch_Alias_Name		
ordrev	Ordering	N	N/A	ad hoc	ordscnt	edidord	daily	R	ordrev /@Batch_Alias_Name		
ordupd	Ordering	N	N/A	4	scoext (After RPM pricing change extraction batch)	obtdisal	daily	N	ordupd /@Batch_Alias_Name		
obtdford	OTB	N	N/A	4	ordupd	obtdford	daily	R	obtdford /@Batch_Alias_Name output_file		
obtdisal	OTB	N	N/A	4	ordupd	N/A	daily	R	obtdisal /@Batch_Alias_Name output_file		
obtdnid	OTB	N	N/A	4	ordupd	N/A	daily	R	obtdnid /@Batch_Alias_Name output_file		
obtprg	OTB	N	N/A	ad hoc	N/A	N/A	monthly	N	obtprg /@Batch_Alias_Name		
obtpupwd	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	obtpupwd /@Batch_Alias_Name input_file reject_file		
obupld	OTB	Y	File-based	ad hoc	N/A	N/A	daily	R	obupld /@Batch_Alias_Name input_file reject_file		
poscdnid	Point of Sale Interface	N	N/A	4	poscdnid	prepost poscdnid post	daily	R	poscdnid /@Batch_Alias_Name outputfile		
posdnid	Point of Sale Interface	Y	Store	ad hoc	N/A	prepost posdnid post	daily	R	posdnid /@Batch_Alias_Name output_filename		
posgpdid	Point of Sale Interface	N	N/A	4	reclsdly	N/A	daily	R	posgpdid /@Batch_Alias_Name output_file		
posrefresh	Inventory	N	N/A	ad hoc	N/A	N/A	ad hoc	R	posrefresh /@Batch_Alias_Name output_file store		
posupl	Sales	Y	File-based	2	saexprms(ReSA)	prepost posupl post	daily	R	posupl /@Batch_Alias_Name initfile voffile itemfile lockfile		
prepost	Pre/post functionality	N	N/A	all phases	N/A	N/A	daily	N	prepost /@Batch_Alias_Name program pre_or_post		
reclsdly	Item Maintenance	Y	Reclass no	4	cremhierdly	prepost reclsdly post	daily	R	reclsdly /@Batch_Alias_Name process_mode		
repladj	Replenishment	Y	Dept	3	rplupld	rplext	daily	R	repladj /@Batch_Alias_Name		
replsizeprofile	Replenishment	N	N/A	ad hoc	prepost replsizeprofile pre psupld rplupld repladj	N/A	ad hoc	N	replsizeprofile /@Batch_Alias_Name Y/N. (Y/N indicator indicates if allocations is installed or not, if installed pre job for this program has to be run prepost replsizeprofile pre)		
rext	Replenishment	Y	Partition (Item)	3	prepost ociroq pre prepost rext pre storeadd	prepost rext post	rplext	daily	R	rext /@Batch_Alias_Name partition_position (May use the batch_rext.ksh for launching this program as it is created based on performance considerations)	
rlmaint	Replenishment	Y	Location	3	scoext rplupld rplsplit	prepost rlmaint post repladj	daily	R	rlmaint username/password		
rplapprv	Replenishment	N	N/A	3	supcnstr prepost rplapprv pre	batch_rplapprvgtax	daily	R	rplapprv /@Batch_Alias_Name batch_rplapprvgtax.ksh [-p <# parallel threads>] <connect> <# parallel threads> is the number of threads to run in parallel.		
batch_rplapprvgtax	Replenishment	Y	Order	3	rplapprv	N/A	daily	N	The default is the value on RESTART_CONTROL_NUM_THREADS.		
rplathistprg	Replenishment	N	N/A	ad hoc	N/A	N/A	ad hoc	N	rplathistprg /@Batch_Alias_Name (This batch may be run only if repl_attr_hist_retention_weeks in system_options table is set)		
rplupld	Replenishment	Y	Location	3	prepost rplupld pre ibcalc rplext cntrprss vrplbid ibexpl	prepost rplupld post repladj rext	rplext	daily	R	rplupld /@Batch_Alias_Name	
rplbid	Replenishment	Y	Supplier	3	supsplit prepost rpl pre rplupld rlmant repladj rext	supcnstr	daily	R	rplbid username/password		
rplext	Replenishment	Y	Dept	3	cntrprss	prepost rplext post contracting is used, otherwise run ...	supsplit	cntrprss(if ibcxpl rplbid)	daily	R	rplext /@Batch_Alias_Name 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 /@Batch_Alias_Name		
rplprg_month	Replenishment	N	N/A	ad hoc	N/A	N/A	monthly	N	rplprg_month /@Batch_Alias_Name		
rplsplit	Replenishment	Y	Supplier	3	supcnstr	rplapprv	daily	R	rplsplit /@Batch_Alias_Name		
rplmovavg	Pricing	Y	Store	ad hoc	salstage	N/A	daily	R	rplmovavg /@Batch_Alias_Name business_date(YYYYMMDD) store(optional)		
rtvprg	RTV	N	N/A	3	N/A	N/A	monthly	N	rtvprg /@Batch_Alias_Name		
sacrypt	Sales Audit	Y	Store/Day	SA	sagatref satotals	N/A	daily	N	sacrypt /@Batch_Alias_Name infile outfile key_file e/d (Encryption/Decryption indicator) Note: outfile generated by batch is infile for saimptog.		
saescheat	Sales Audit	N	N/A	SA	saarules satotals sarules	saexpm	monthly	R	saescheat /@Batch_Alias_Name		
saexpach	Sales Audit	N	N/A	SA	sapreeexp satotals sarules	N/A	daily	R	saexpach /@Batch_Alias_Name		
saexpgl	Sales Audit	N	N/A	SA	sapreeexp sarules	N/A	daily	R	saexpgl /@Batch_Alias_Name		
saexpim	Sales Audit	N	N/A	SA	sapreeexp saescheat satotals sarules	N/A	daily	R	saexpim /@Batch_Alias_Name		
saexpms	Sales Audit	Y	Store	SA	sapreeexp	saprepost saexpms post	daily	R	saexpms /@Batch_Alias_Name		





rmse_aip_future_delivery_order.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, vrpibkd, cntordb	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_future_delivery_tsf.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, reqext	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_item_loc_traits.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_item_master.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, recldly	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_item_retail.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_item_sale.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, sltmain	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_item_supp_country.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_merchier.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_orghier.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_rec_qty.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, vrpibkd, cntordb, reqext	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_store.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, storeadd, likestore, dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_substitute_items.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_suppliers.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_tsf_in_well.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, reqext	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_aip_wh.ksh	AIP interface	N	N/A	AIP RETL Extracts pre_rmse_aip.ksh, whadd and dlyprg	Refer to AIP Operations and Installation Guides	daily	N	N/A	
rmse_store_cur_inventory.ksh	AIP interface	Y	Item_loc_soh (number of AIP RETL Extracts reqext, posupld	rmse_store_cur_inventory.ksh (if running delta	Refer to AIP Operations and Installation Guides	daily	N	N/A	D - single-threaded delta extract F - multi-threaded full extract if ITEM_LOC is partitioned; single-threaded full extract if ITEM_LOC is not partitioned
rmse_wh_cur_inventory.ksh	AIP interface	Y	Warehouse	AIP RETL Extracts extract), stlsvr, wasteadl, salstage, reqext	Refer to AIP Operations and Installation Guides	daily	N	N/A	D - single-threaded delta extract F - multi-threaded full extract if ITEM_LOC is partitioned; single-threaded full extract if ITEM_LOC is not partitioned

### Allocation Program Dependency and Scheduling Details

Program Name	Functional Area	Threaded	Driver	Phase	Pre-dependency	Post-dependency	Timing	Uses Restart/Recovery	Run Parameters for Programs
AllocSchedulerBatch.ksh	Scheduled Allocation	Y	N/A	N/A	None	None	daily	N	batch-user-alias

### RMS to MFP RETL Extracts Dependency and Scheduling Details

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
ftmednd	Planning System Interface	N	N/A	ad hoc	N/A	N/A	ad hoc	R	ftmednd /@Batch_Alias_Name
rmse_rpas_merchier.ksh	Planning/Forecast System Interface	N	N/A	N/A	recldly dlyprg pre_rmse_rpas.ksh sltmain	Refer to RPAS Operations guide	daily	N	N/A
rmse_rpas_item_master.ksh	Planning/Forecast System Interface	N	N/A	N/A	recldly dlyprg pre_rmse_rpas.ksh	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 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 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
rmse_mfp_onorder.ksh	MFP System Interface	N	N/A	N/A	pre_rmse_rpas.ksh	Refer to MFP Operations guide	Weekly	N	N/A
rmse_mfp_inventory.ksh	MFP System Interface	N	N/A	N/A	pre_rmse_rpas.ksh	Refer to MFP Operations guide	Weekly	N	N/A Note: I - Initial load W-W weekly load

### ORFM Program Dependency and Scheduling Details

Program Name	Functional Area	Threaded	Driver	Phase	Pre-dependency	Post-dependency	Timing	Uses Restart/Recovery	Run Parameters for Programs
fmprge	ORFM Purge	Y	N/A	N/A	None	None	ad hoc	Y	fmprge /@Batch_Alias_Name
fmtrandata	ORFM Transaction Postings	Y	N/A	N/A	None	None	ad hoc	Y	fmtrandata /@Batch_Alias_Name
fmport_SFED.ksh	ORFM SFED	N	N/A	N/A	fmtrandata	None	ad hoc	N	fmport_SFED /@Batch_Alias_Name
fmfmport	ORFM Transaction Postings	Y	N/A	N/A	fmtrandata	None	ad hoc	Y	fmfmport /@Batch_Alias_Name







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## Interface Diagrams for RMS and RPAS

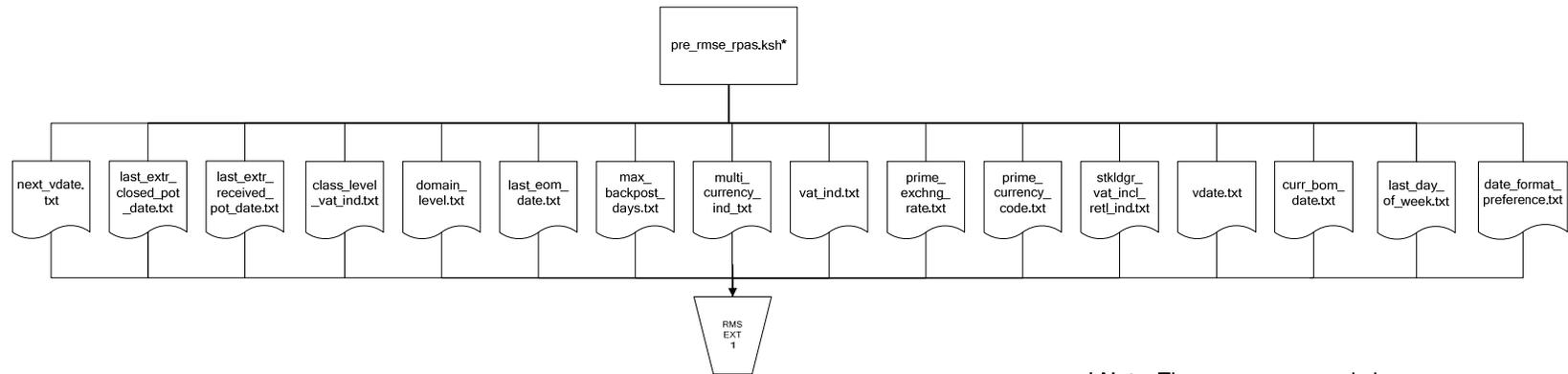
Because RMS is the retailer's central merchandising transactional processing system, it is the principle source of the foundation data needed in some of the Oracle Retail suite of products. RMS provides foundation data to RPAS, and RPAS provides planning data to RMS.

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 *Oracle Retail Merchandising System Operations Guide* for more information about these interface programs.

## RMS Pre/Post Extract Diagrams

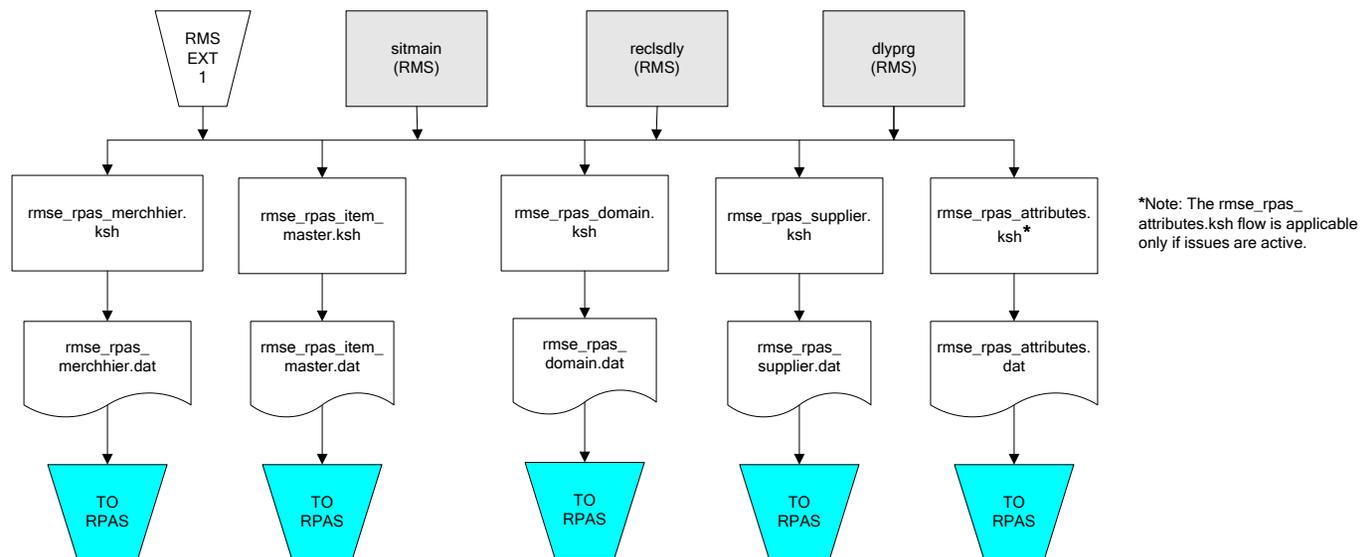
### RMS Pre RETL Extract Maintenance



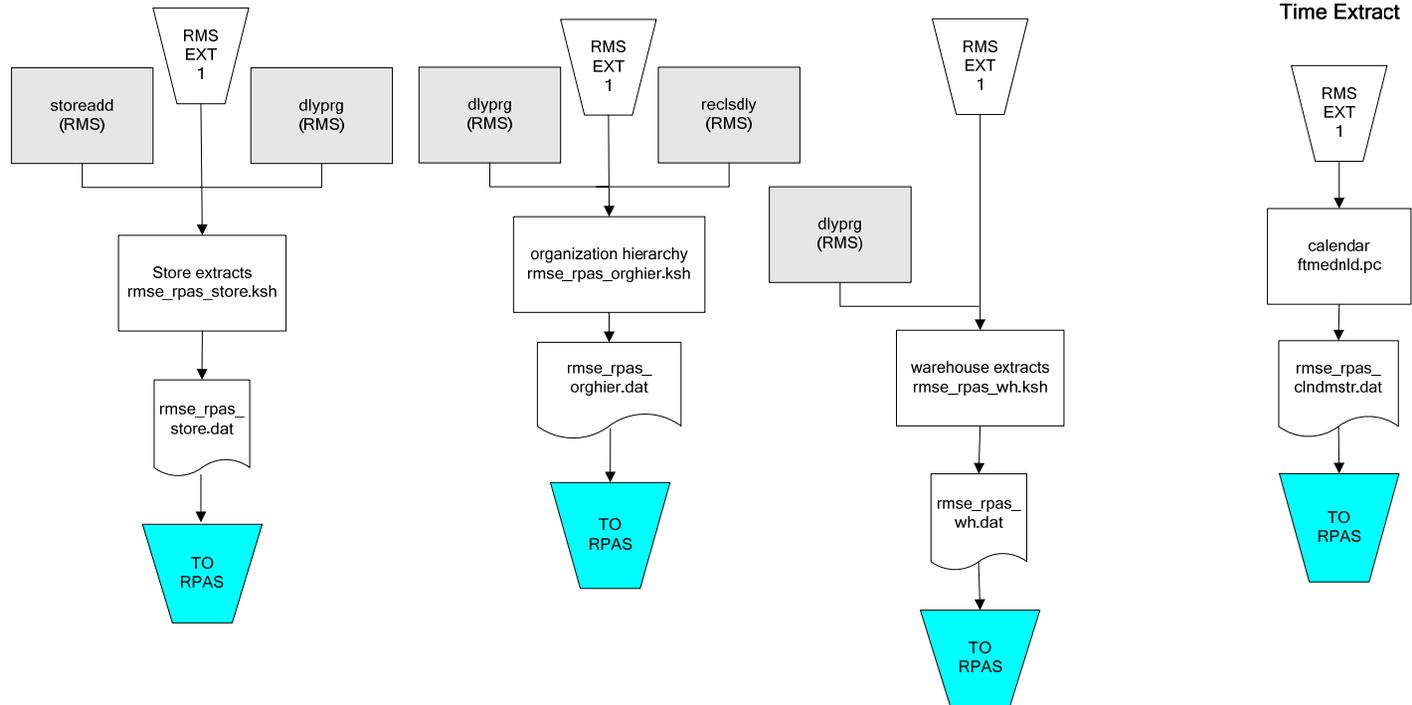
**\* Note:** The `pre_rmse_rpas.ksh` program checks for existing `.txt` output files. Because of this validation, retailers running the program for the first time should include an optional `-c` parameter. This parameter allows the program to run successfully without pre-existing `.txt` output files.

## RMS Foundation Data Extract Diagrams

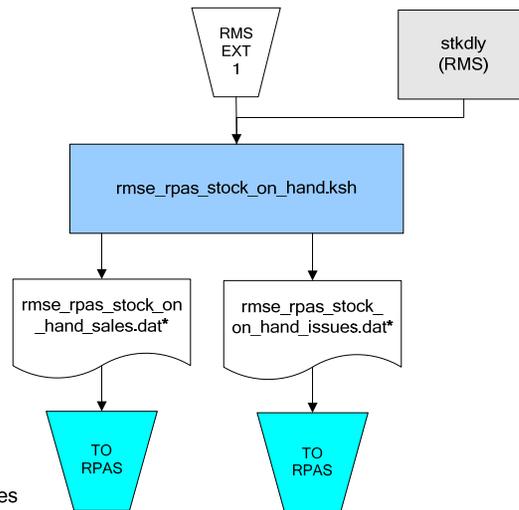
### Merchandise Hierarchy for RPAS



### Organization Hierarchy for RPAS



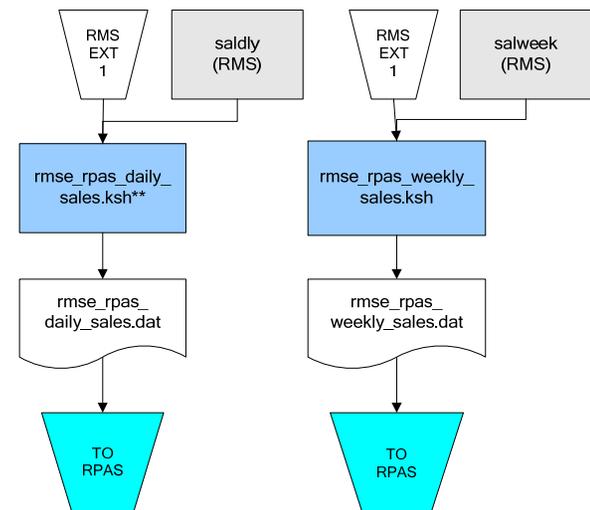
## RMS Fact Data Extract Diagrams



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

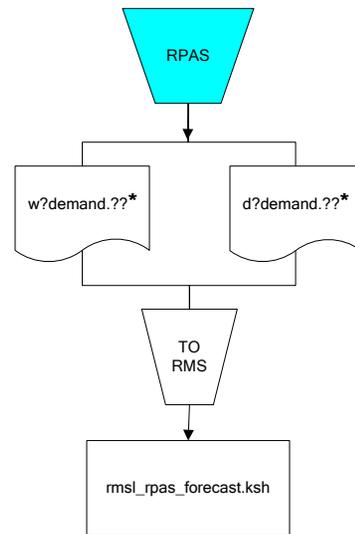
If issues are **not** active, the following file results from the  
 rmse\_rpas\_stock\_on\_hand.ksh flow:  
 rmse\_rpas\_stock\_on\_hand\_sales.dat

## Sales Extracts For RPAS



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

## RPAS-RMS Fact Load Diagram



**\*Note:**

? can represent the following:

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

?? represents domain 01-99.

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## Interface Diagrams for RMS and MFP

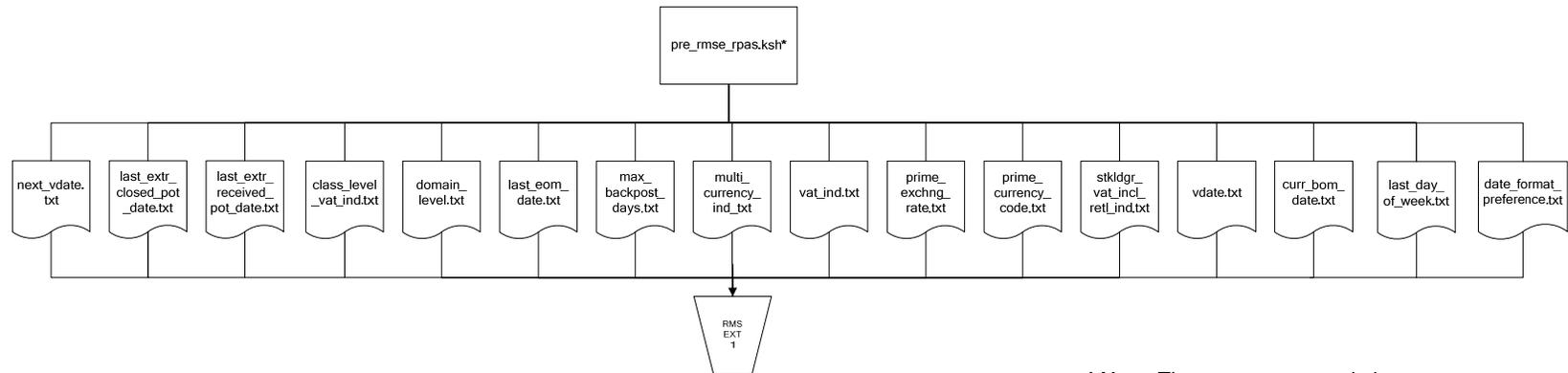
Because RMS is the retailer's central merchandising transactional processing system, it is the principle source of the foundation data needed in some of the Oracle Retail suite of products. RMS provides foundation data to RPAS, and RPAS provides planning data to RMS.

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 *Oracle Retail Merchandising System Operations Guide* for more information about these interface programs.

## RMS Pre/Post Extract Diagrams

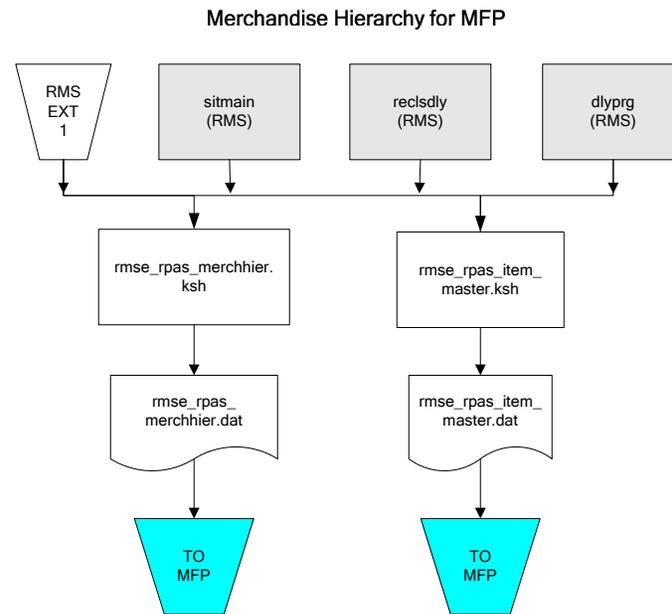
### RMS Pre RETL Extract Maintenance



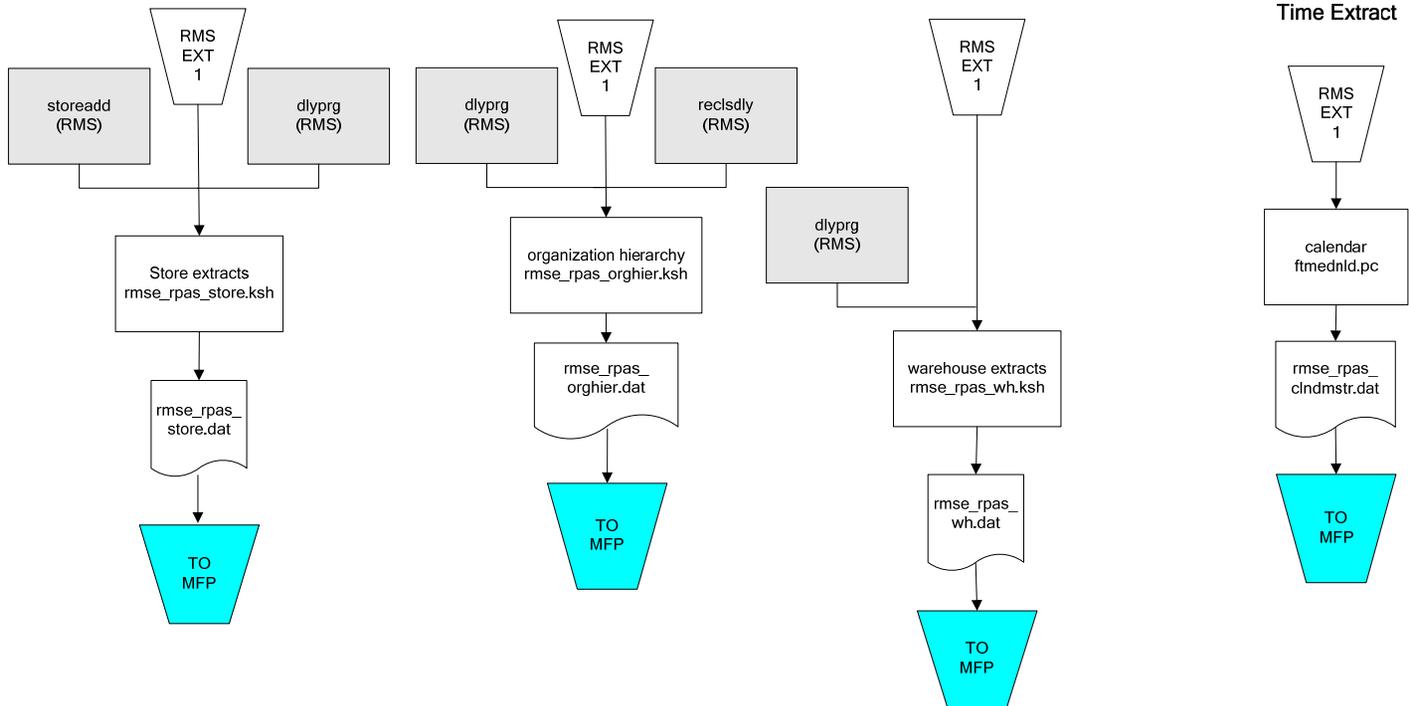
**\* Note:** The `pre_rmse_rpas.ksh` program checks for existing `.txt` output files. Because of this validation, retailers running the program for the first time should include an optional `-c` parameter. This parameter allows the program to run successfully without pre-existing `.txt` output files.

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## RMS Foundation Data Extract Diagrams



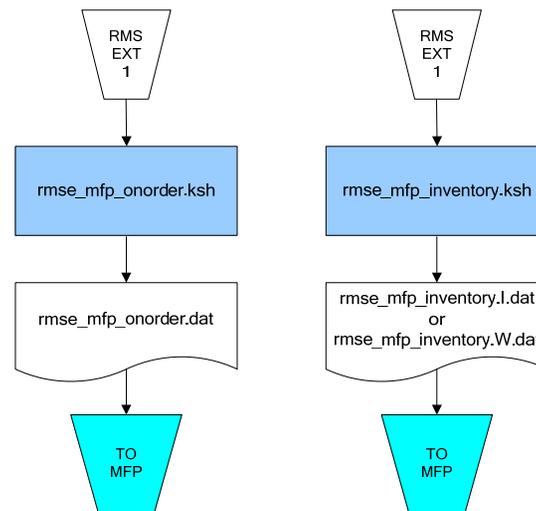
### Organization Hierarchy for MFP



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## RMS Fact Data Extract Diagrams

### Integration Extracts for MFP



**Note:**  
I is for initial load and W is  
for weekly load..



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## Interface Diagrams for RMS and AIP

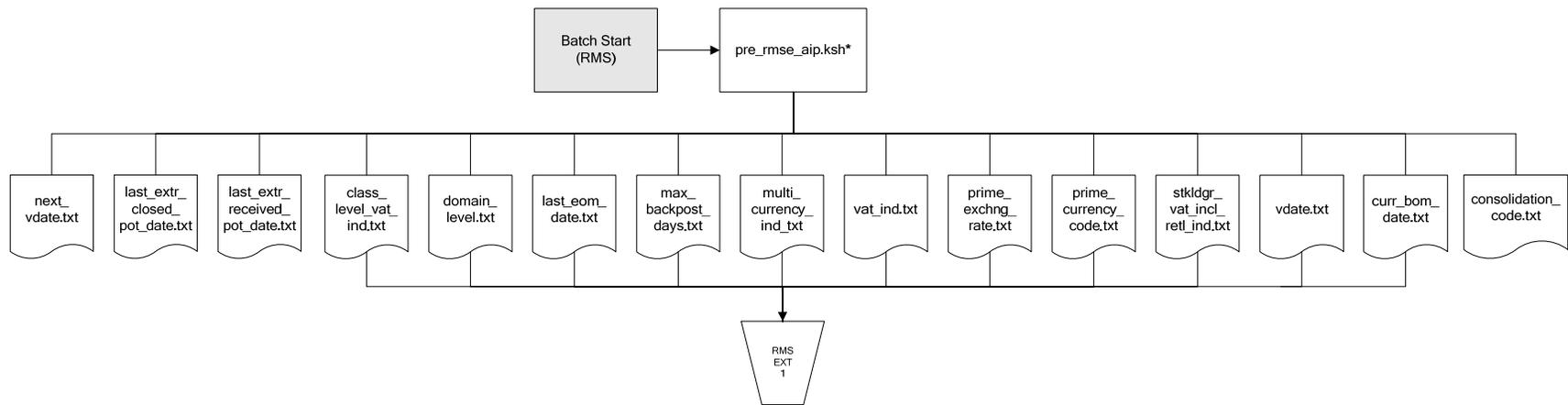
This chapter presents flow diagrams for RETL extract data processing from RMS to AIP. The RMS program or output file is illustrated, along with the program or process that interfaces with the source. The diagrams illustrate the flow of the data after initial interface processing of the source.

Before setting up a program schedule, familiarize yourself with the functional and technical constraints associated with each program. See the *Oracle Retail Merchandising System Operations Guide Volume 1—Batch Overviews and Designs* for more information about the modules shown in the following diagrams.

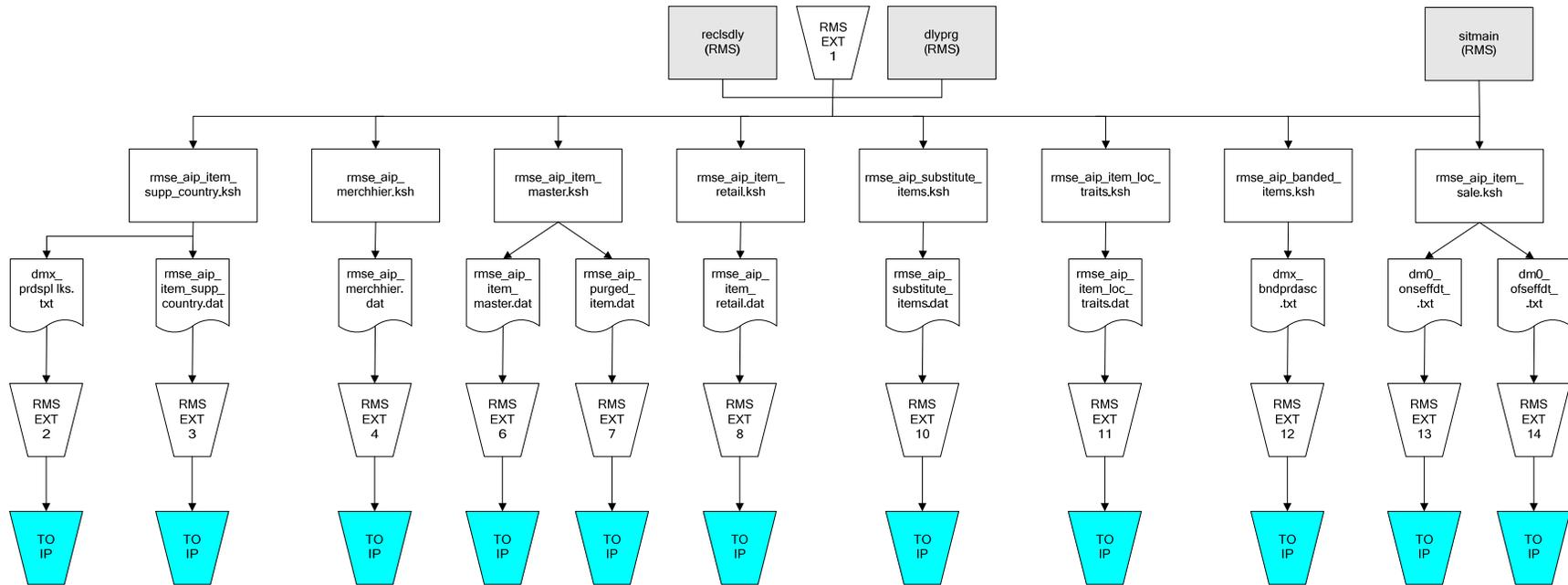


## RMS Pre/Post Extract Diagrams

### RMS Pre RETL Extract Maintenance

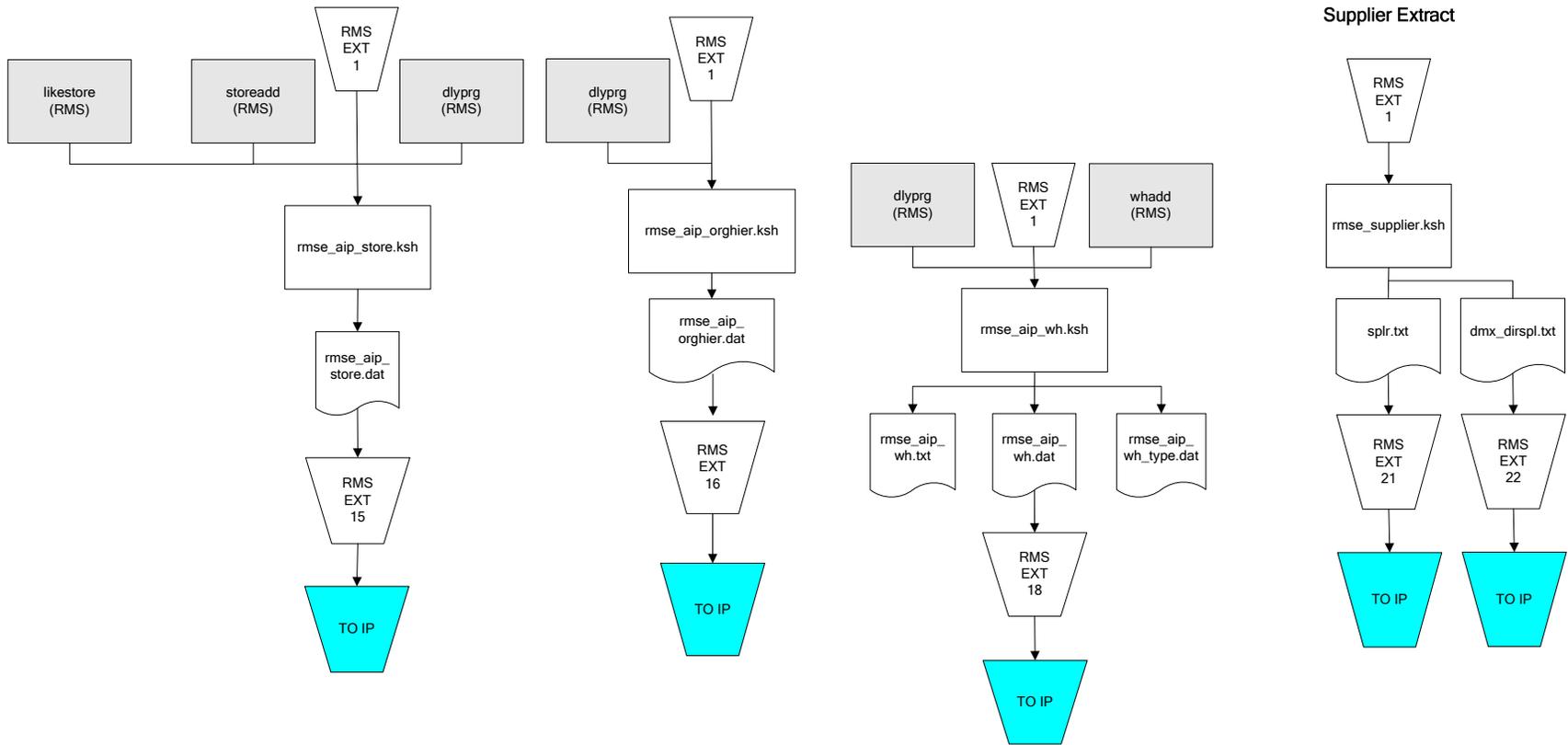


## RMS Foundation Data Extract Diagrams

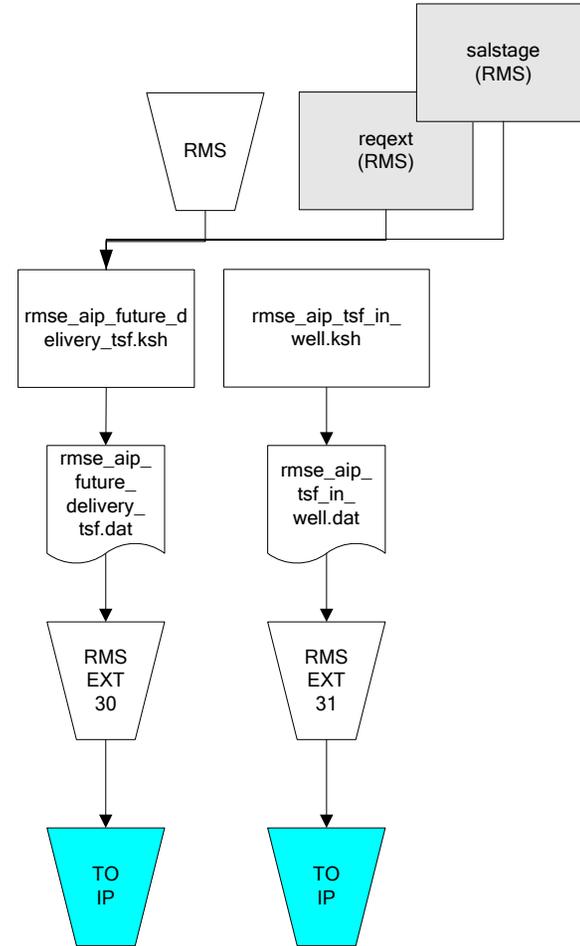
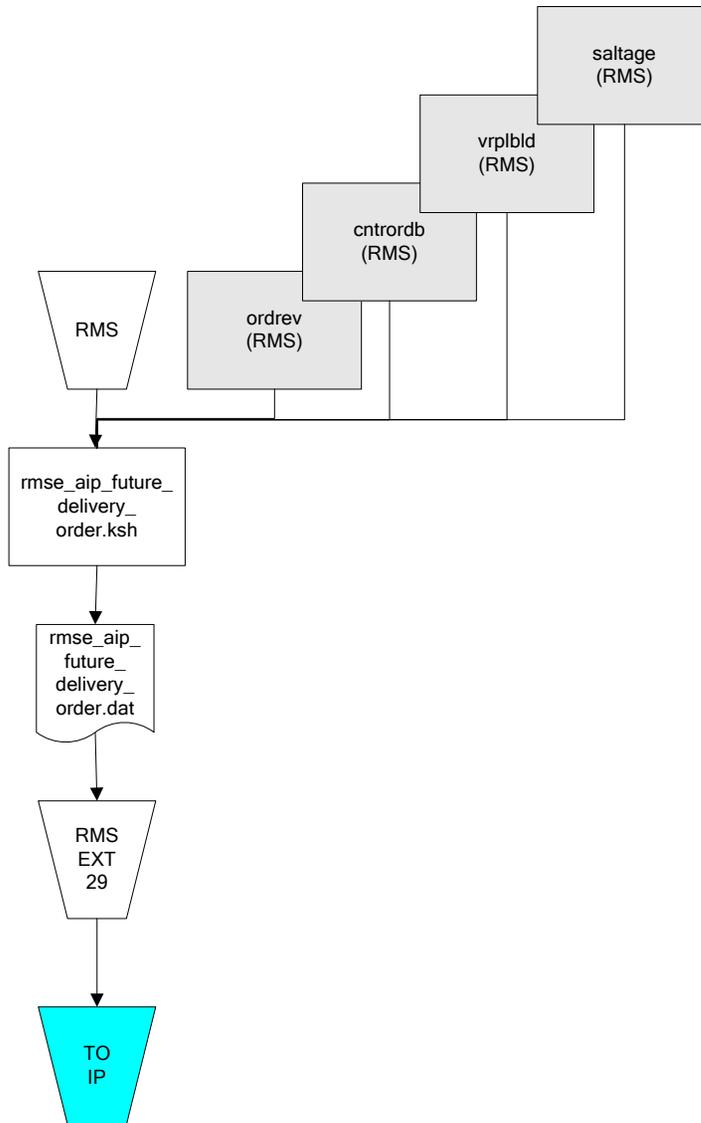


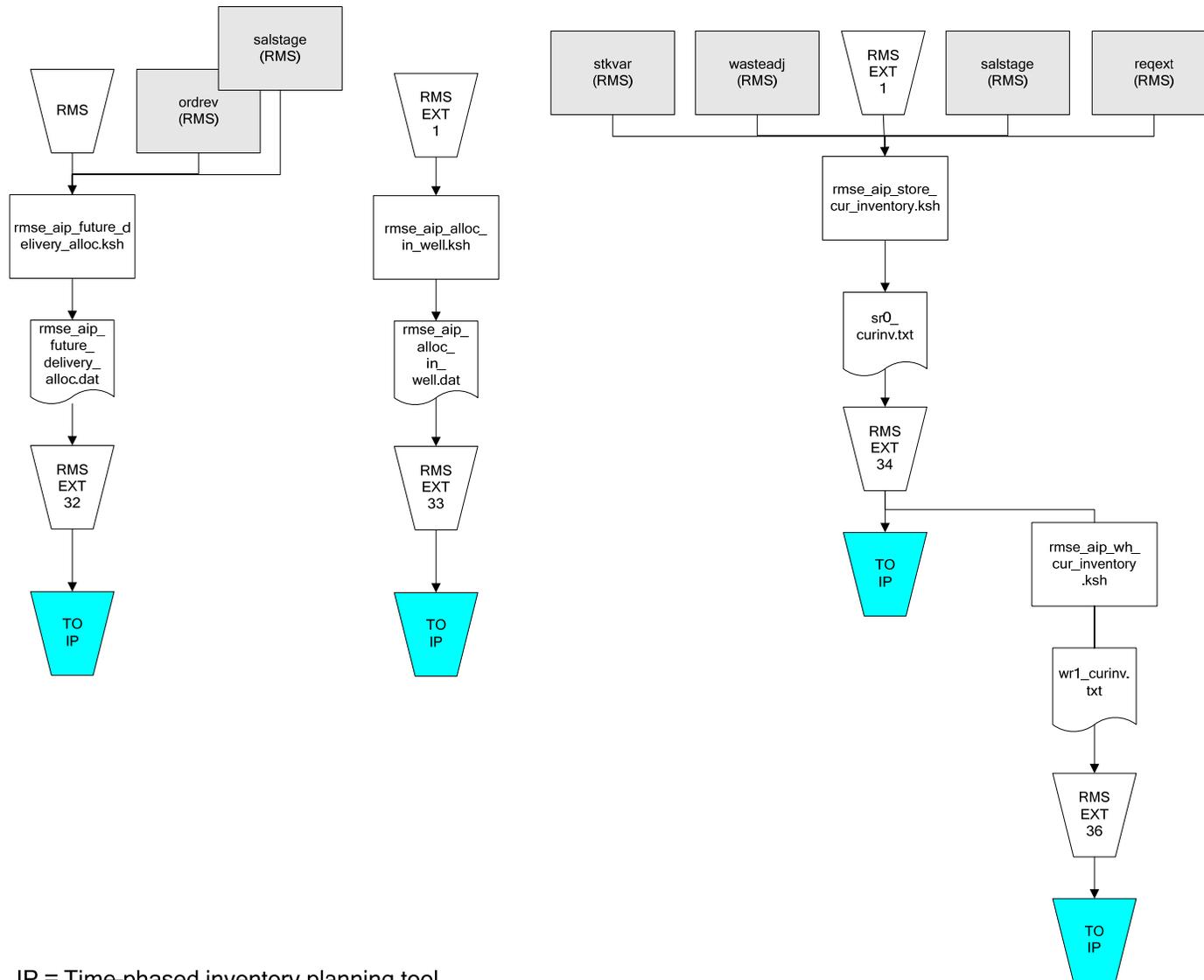
IP = Time-phased inventory planning tool

Organization Hierarchy for IP

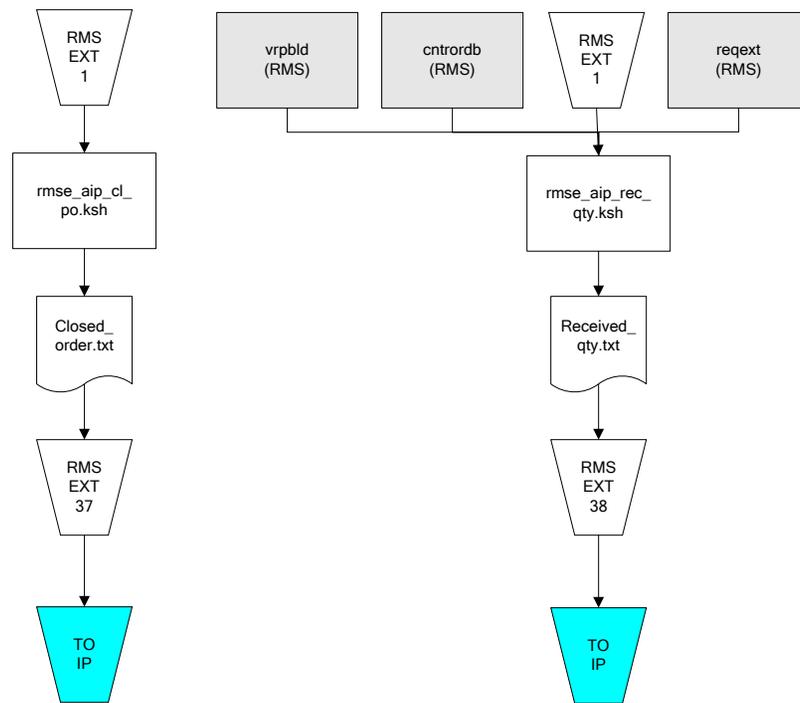


IP = Time-phased inventory planning tool





IP = Time-phased inventory planning tool



IP = Time-phased inventory planning tool