Oracle® Retail Advanced Inventory Planning

Implementation Guide
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Preface

The Oracle Retail Advanced Inventory Planning Implementation Guide describes post-installation tasks that need to be performed in order to bring Advance Inventory Planning online and ready for production use.

The Implementation Guide includes some or all of the following sections, depending upon the release:

- System configuration settings for the UNIX and AIP environments
- Interfaces and data mappings between AIP and other systems

Audience

The Implementation Guide is intended for the AIP integrators and implementation staff, as well as the retailer's IT personnel.

The reader should have an in-depth understand the following concepts and applications in order to perform the processes describes in this document:

- UNIX system administration, shell scripts, and job scheduling
- Oracle Retail Integration Bus (RIB)
- Oracle Retail Predictive Application Server (RPAS)
- Oracle Retail Demand Forecasting (RDF)
- Oracle databases
- Performance constraints based on the retailer's infrastructure
- Technical architecture for AIP
- Retailer's hierarchical (SKU/Store/Day) data
- AIP batch processes

Related Documents

For more information, see the following documents in the Oracle Retail Advanced Inventory Planning Release 12.1 documentation set:

- *Oracle Retail Advanced Inventory Planning Release Notes*
- *Oracle Retail Advanced Inventory Planning Installation Guide*
- *Oracle Retail Advanced Inventory Planning Operations Guide*
- *Oracle Retail Advanced Inventory Planning Administration Guide*
- *Oracle Retail Advanced Inventory Planning Online Help*
- *Oracle Retail Advanced Inventory Planning – Data Management Online User Guide*
- *Oracle Retail Advanced Inventory Planning – Order Management User Guide*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 1 Oracle Database Data Model*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 2 Measure Reference Guide*
- *Oracle Retail Advanced Inventory Planning – Store Replenishment Planning User Guide*
- *Oracle Retail Advanced Inventory Planning – Warehouse Replenishment Planning User Guide*

The following documentation may also be needed when implementing AIP:

- Oracle Retail Integration Bus (RIB) 11.1 documentation
- RETL 12.0.1 documentation
- Oracle Retail Predictive Application Server (RPAS) documentation

Customer Support

- https://metalink.oracle.com

When contacting Customer Support, please provide:

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

Review Patch Documentation

For a base release (".0" release, such as 12.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information and code changes that have been made since the base release.

Oracle Retail Documentation on the Oracle Technology Network

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

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

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

Conventions

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

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

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

A hyperlink appears like this.

1

Overview

Once AIP has been installed, you need to configure the system environment variables, create integration files, and configure the system according to the retailer's specifications.

This guide provides information on

- Implementing the AIP solution.
- Customizing AIP for the retailer's environment and needs.
- Integrating AIP with merchandising, forecasting, and other external systems.

For information on compatibility and hardware requirements, refer to the *AIP Installation Guide*.

> **Note:** AIP Java/Oracle, AIP on Oracle, and AIP online are often used interchangeably to refer to those parts of AIP that access the Oracle relational database. This includes the Data Management and Order Management GUI components and a host of UNIX shell scripts and PL/SQL modules.

2

Pre-Implementation Considerations

When preparing to implement the Advanced Inventory Planning solution, you must closely explore the retailer's infrastructure, hierarchy data, and other factors that may require customizing the AIP environment through the use of configuration files and settings, custom scripts, and the RPAS Configuration Tool. Prepare your environment and analyze your retail and data needs thoroughly before implementing AIP.

The following list provides some of the issues that the implementation team may need to address prior to implementation:

1. Hierarchy Setup
   - Identify the attributes used by the Product, Location and Time hierarchies, as well as their sources and update frequency.
   - Define the dimensions within each of the Hierarchies and determine the default spreading settings.
   - Define any Alternate Hierarchies and identify the relationship of the required Attributes that drive those Alternates.
   - Define User Defined Hierarchies to be used by planners.

   The hierarchy setup mentioned above may vary depending on the extent that the Configuration Tool will be used by the application.
2. Measure Settings

   The following measure settings need to be addressed during implementation, which can vary depending on the extent that the Configuration Tool will be used by the application.
   - Metric/Measure definitions, usage, interaction and calculations.
   - Default Label to use when building measure labels
   - Default Data Type
   - Default NA Value
   - Default Base Intersection
   - Default Aggregation Method
   - Default Spread Method
   - Default Base State Read / Write Status at the base level
   - Default Agg State Read / Write Status at aggregated levels
3. Setting Custom Wizards

   Determine if any custom wizards are required that don't exist in the base application. The use or implementation of wizards can vary depending on the extent that the Configuration Tool will be used by the application.

4. Workbook Templates, Worksheets, Tabs, Formats

   Workbooks can be created or refreshed through batch processing. By doing the processing in batch at night, the end users are spared from the wait time associated with each action. The Batch Processing section should outline when each of these operations will take place.

   For these default auto workbook builds, the layout, formatting, hierarchies, wizard, tabs, worksheets must be defined.

   Configuring the timing of data loads, refreshes, and purges/deletions of workbooks must be set.

5. Daily and Weekly Batch Processing and scheduling

   Configure the system for the following defaults:

   - Batch Processes
   - Week-ending Processes
   - Day Ending Processes
   - Data Updates
   - Restructures – Adds, Renames, Deletes
   - New Year Setup- 53 weeks
   - Data Aging/Purging
   - Administrative Processes
   - Backups

6. Sizing Estimates/Hardware Requirements

   A sizing estimate spreadsheet and hardware requirements should be supplied to the client. These factors are dependant on the number of domains, intersection points, number of workbooks, purge and delete strategy, planning horizon, retention of data, etc.

7. Security Access and Viewing

   - User Setup/Security

     To define Workbook Template Security, the system administrator will grant individual users, or user groups, access to specific workbook templates. Granting access to workbook templates provides users the ability to create, modify, save, and commit workbooks for the assigned workbook templates. Users will typically be assigned to “groups” based on their user application (or solution) role. Users in the same group can be given access to workbook templates that belong to that group alone. Users can be assigned to more than one “group” and granted workbook template access without belonging to the user group that typically uses a specific workbook template. Workbook access is either denied, read only, or full access. Read only access will allow a user to create a workbook for the template, but the user will not be able to edit any values or commit the workbook. The read only workbook can be refreshed.

When users save a workbook, they assign one of three access permissions to the workbook:

- World – Allow any user to open and edit the workbook.
- Group – Allow only those users in their same group to open and edit the workbooks.
- User – Allow no other users to open and edit the workbook.

> **Note:** A user must have access to the workbook template in order to access the workbook, even if the workbook has world access rights.

- Workbook Limits

  Another aspect of workbook security is the ability to set limits for the number of workbooks that a user can have saved at any given time. Limits can be set at the following levels:

  - User per template
  - User Group per template
  - Globally per template for all users

  The limits are evaluated in the above order, which means that a limit defined at user-template overrides any values defined at group-template or global-template levels. If the above limits are not defined, the default value is one billion. The limits are checked when a user begins the workbook build process. If the user's limit has been reached, an error message appears that informs the user that the workbook build process cannot be completed because the user has reached their limit. The message also informs the user what that limit is. The wizard process then terminates.

8. Data Management Automation

   Creation of certain logical constructs in Data Management may be set automatically depending on the setting of certain parameters.

   Examine the system parameter configurations and determine which pieces of automation will be turned on. Map out each supplier's "Ship-to" value and each warehouse's "Warehouse Type" that will be needed to effectively automate the supply chain setup for those processes that are enabled.

   > **Note:** Keep in mind that the "Warehouse Type" helps define Order Group destinations, Delivery Group destinations, and the default ordering pack size for a SKU into a store and warehouse.

9. Reconciliation

   The reconciliation period is set to a day if the method is Reconciliation day-on-day and is set to a review period at source if the method is Reconciliation-over-time. Therefore, it has to be determined which reconciliation method will be selected at SKU level.

   You must set a flag to have a SKU reconciled in a constrained scenario.

10. Replenishment Methods

    Define the replenishment methods to be used. Rule out replenishment methods that are not applicable.

11. Perishables functionality

    Spoilage threshold is calculated using the Acceptable Loss parameter. Acceptable loss is a user-managed parameter in SRP, defined either at the class/store format level or the SKU/store/day level.

    Users have the ability to determine when to use expected spoilage via a 'Store use inventory aging flag'. Constraints on the application of inventory aging are as follows

    a. A global limit (in number of days) on or inside which an item with product life can be considered in the expected spoilage calculation.

    b. An expected write-off's user maintained measure.

    The first constraint is used as a high limit in number of days for a product life and is called 'Store Inventory Aging Limit'. Product life as entered by a user does not have a limit. The effectiveness of product life needs to be controlled by a User. Therefore a global limit respective to the product life is necessary and configurable. The second constraint refers to the fact that aging is a calculated number, not an actual number. The user may have an actual number of spoilage that is to be used. A measure (expected write-off's) can be entered by the user and if entered will override any spoilage calculation and be used as the amount to spoil on the given day.

    To summarize the user input for expected spoilage:

    - The product life of the inventory at the point of receipt into the final selling destination. (Sku/Str/Day)
    - The "Store use inventory aging flag" (Sku)
    - The global limit for using inventory aging (Scalar)
    - Expected write-off's (amount to spoil). (Sku/Str/Day)

12. Shelf capacity

    If the Shelf Capacity flag is set to "True", then shelf capacity will be considered when setting boundaries.

13. Substitution and value added functionality

    The linked product flag is only used for user review purposes in AIP and indicates whether there is a value added/pre-priced commodity or banded item association with that particular SKU. If there is a value added/pre-priced association, the linked product flag is only True between the promotional start and end dates. This flag will be set within RMS.

    Also a Substitution Flag must be set at the SKU level within Data Management, which sets that a SKU is substitutable across Demand Group.

14. User Specified Allocations

    You must set the number of days of history required for using USA Indexed.

15. Alerts

    Set the days that an alert will be run.

16. Store Reconciliation Matrix configuration

    The number of store priorities is configurable; therefore, the Shortage and Stockless Surplus Priority Matrices may grow or shrink. However no screens or workbooks are provided to view and maintain the configuration.

    The priority of each boundary, for each store priority, will depend on the number of store priorities defined. The order in which each boundary is met is configurable however no screens or workbooks are provided to view and maintain the configuration.

17. Network Throughput settings

    The WRP Network Threshold Maintenance workbook is used to maintain network alert parameters. The WRP Network Threshold Maintenance workbook is available at the global and local domain levels. All measures should reflect the value in the domain during load and refresh times, and all editable measures should be committed to the domain unless otherwise stated.

3

System Configuration

Setting Environment Variables

After AIP is installed, you must define the environment variables for the domain paths, integration directory paths, message logging levels, etc. These variables define the environment in which batch scripts are run. These settings do not affect the way in which the business uses AIP to replenish the supply-chain.

The scripts run as part of the nightly batch on both of the AIP platforms, RPAS and Oracle. Both platforms have defined environment variables for configuration.

Configuring AIP RPAS Environment Variables

The following aspects of the RPAS-side batch must be configured so that the aip_batch.sh and each batch step script can be run from the command line or from a job scheduler.

Setting RPAS Position Level Security

The position level security for RPAS needs to be modified. Position Level Security allows access control for dimensions on a position-by-position basis. Refer to the RPAS Administration for detail information this feature. To specify the security dimension for a hierarchy, use the RPAS Configuration Tools or hierarchyMgr utility. Refer to the *RPAS Configuration Tools User Guide* for more information.

aip_env_rpas.sh

The variables displayed in the following table need to be defined properly within aip_env_rpas.sh.

It is important to note that the values of the environment variables can be variables themselves depending on the business needs. Such variables may add flexibility for environment maintenance, patch testing, etc. and are used at the discretion of the business.

For example:

If aip_env_rpas.sh contains

```
RPAS_INTEGRATION_HOME= "${TEST_RPAS_INTEGRATION_HOME}"
```

`TEST_RPAS_INTEGRATION_HOME` is a client specific environment variable whose value is the correct path to the root integration directory. This and all other such variables must also be defined in order to run the batch.

Finally, the variables below corresponding to directory paths must not contain white space. For example, AIPDOMAIN may be defined as `"/files1/aip/AIP1"` but may not be defined as `"/files1/aip/AIP RPAS Domain"`.

Environment Variable	Description
AIPDOMAIN	Fully qualified path of the AIP RPAS global domain. The default value (TEST_AIPDOMAIN) provided at the time of installation is a variable which must also be defined apart of aip_env_rpas.sh if it is to be retained as the value.

Environment Variable	Description
RPAS_INTEGRATION_HOME	Fully qualified path of a readable/writeable directory that serves mainly as a base for other path definitions later in aip_env_rpas.sh. Commonly set equal to AIPDOMAIN. The default value (TEST_RPAS_INTEGRATION_HOME) provided at the time of installation is a variable which must also be defined apart of aip_env_rpas.sh if it is to be retained as the value.
BSA_TEMP_DIR	Fully qualified path of readable/writeable directory where scripts may store temporary files. Valid definition of this variable is required by the BSA common scripts. **Note:** THIS SHOULD NOT BE SET TO /tmp. Failures may occur due to insufficient temporary workspace.
BSA_LOG_LEVEL	Script logging threshold severity. Only log entries at this or higher severity level will be written to the script logs. Must be one of `{ PROFILE | DEBUG | INFORMATION | WARNING | ERROR }`. Valid definition of this variable is required by the BSA common scripts.
BSA_MAX_PARALLEL	Script parallel process fan-out maximum. The number of processes that any given process (script instance) may spawn. Valid definition of this variable is required by the BSA common scripts.
BSA_LOG_HOME	Fully qualified path of readable/writeable directory where script logs will be rooted. Script logs are written into a hierarchy that parallels the script call tree, rooted in a date stamped directory located in this specified directory. Valid definition of this variable is required by the BSA common scripts.
BSA_LOG_TYPE	Integer parameter that specifies the type of script log files to be written. Must equal one of { 0 | 1 | 2 | 3 }. These values are defined as follows: 0 = No logging 1 = Text ".log" files; 2 = XML structured ".xml" file; 3 = Text and XML log files. Valid definition of this variable is required by the BSA common scripts.
BSA_CONFIG_DIR	Fully qualified path to directory that contains the BSA configuration files bsa_cred.config and bsa_fetch_files.config. Valid definition of this variable is required by the BSA common scripts.
BSA_ARCHIVE_DIR	Fully qualified path to directory to which BSA file transfer operations will archive files. Valid definition of this variable is required by the BSA common scripts.
RPAS_LOG_LEVEL	RPAS binary logging threshold severity. Only log entries at this or higher severity level will be written to the script logs from binaries that accept a `-loglevel` argument. Must be one of `{ PROFILE | DEBUG | INFORMATION | WARNING | ERROR }`.

Environment Variable	Description
ONL_OUTBOUND_DIR	The AIP Online data file output directory. This must match the ONL_OUTBOUND_DIR defined in the aip_env_online.sh file, which may reside in a different server.
RAW_RMS_DATA_DIR	Fully qualified path to directory that contains untransformed RMS output data.
RMS_SCHEMA_DIR	Fully qualified path to directory that contains RETL schema files corresponding to the untransformed RMS output data.
AIP_SCHEMA_DIR	Fully qualified path to directory that contains RETL schema files depicting the transformed RMS output data.
RPAS_PAGE_SPLIT_PERCENTAGE	This variable is used to optimize AIP performance. Do not alter this setting without consulting AIP Technical Management.
ORACLE_AIP_PERISHABLE_ON	This UNIX variable is set to **yes** (ORACLE_AIP_PERISHABLE_ON=yes) when AIP is replenishing perishable products. This setting is case sensitive.

RPAS_TODAY

This value defines 'TODAY' for the AIP RPAS environment. It is used to ensure that the replenishment batch can be run for a single calendar day, independent of the actual server date. During a normal production run of the batch, this value should be set by the VDATE (virtual date) value exported from AIP Online. This variable can be set for ad hoc procedures, but it should be cleared after the procedure has completed as **this may have an adverse affect on the user workbooks**.

Configuring AIP Online Environment Variables

aip_env_online.sh

The aip_env_online.sh variables in the following table need to be configured for your environment. This information can also be found in the README file provided with the online integration files.

It is important to note that the values of the environment variables can be variables themselves depending on the clients needs. Such variables may add flexibility for environment maintenance, patch testing, etc. and are used at the discretion of the business.

Environment Variable	Description
INTEGRATION_HOME	Fully qualified path to the interface home directory. The default value references TEST_ONL_INTEGRATION_HOME, an externally defined variable. However, the client may assign a hardcoded path to this value at their discretion.

Environment Variable	Description
ONL_OUTBOUND_DIR	The default is ${INTEGRATION_HOME}/outbound. This variable defines the directory location where the cron_export.sh script will put the files containing the data exported from AIP Online. If bypassing the RIB the tsf_po_export.sh script will also write the exported transfers and purchase order files to this directory. This must match the ONL_OUTBOUND_DIR defined in aip_env_rpas.sh script, which may reside on a different server.
ONL_INBOUND_DIR	The default is ${INTEGRATION_HOME}/inbound. This variable defines the directory location where cron_import.sh expects the inbound files from RPAS to be sourced from.
BSA_ARCHIVE_DIRECTORY	The default is ${INTEGRATION_HOME}/archive. This variable defines the directory location where cron_import.sh script will send the input data files for archiving.
BSA_LOG_HOME	Fully qualified path of readable/writeable directory where script logs will be rooted. Script logs are written into a hierarchy that parallels the script call tree, rooted in a date stamped directory located in this specified directory. Valid definition of this variable is required by the BSA common scripts. This variable is initially set to ${INTEGRATION_HOME}/logs.
BSA_CONFIG_DIR	Fully qualified path to directory that contains the BSA configuration files bsa_cred.config and bsa_fetch_files.config. Valid definition of this variable is required by the BSA common scripts. This variable is initially set to ${INTEGRATION_HOME}/config.
BSA_TEMP_DIR	Fully qualified path of readable/writeable directory where scripts may store temporary files. Valid definition of this variable is required by the BSA common scripts.
BSA_LOG_LEVEL	Logging severity threshold for batch scripts. Only log entries at this or higher severity level will be written to the script logs from procedures that accept the `-loglevel` argument. Listed in increasing order of severity, one of the following levels must be selected `{ PROFILE | DEBUG | INFORMATION | WARNING | ERROR }`.
BSA_LOG_TYPE	Integer parameter that specifies the type of script log files to be written. Must equal one of { 0 | 1 | 2 | 3 }. These values are defined as follows: 0 = No logging 1 = Text ".log" files 2 = XML structured ".xml" file 3 = Text and XML log files Valid definition of this variable is required by the BSA common scripts.
BSA_MAX_PARALLEL	Script parallel process fan-out maximum. The number of processes that any given process (script instance) may spawn. Valid definition of this variable is required by the BSA common scripts.

Environment Variable	Description
DEFAULT_BSA_SQL_CRED_APP	The default is DATABASE. It is used by bsa_sql.sh script to perform a lookup from the bsa_cred.config file to connect to AIP Online database.
RETL_MAX_HEAP_SIZE	The default value is 500M. Raise this limit to improve performance on production systems.
RETL_CONFIG_FILE	File name containing database connection information. This variable is used by RETL scripts. The default value references TEST_RETL_CONFIG_FILE, an externally defined variable. However, the client may assign a hardcoded value at their discretion. In either case, the variable should ultimately point to the fully-qualified path of a RETL configuration file. An example config.xml file is included with AIP.
AIPDOMAIN	Fully qualified path of the AIP RPAS global domain. The default value references TEST_AIPDOMAIN, an externally defined variable. However, the client may assign a hardcoded path to this value at their discretion.
HAVE_WIP	Indicates if WIP is enabled to export and import data. The default value is set to false. WIP will not be implemented for AIP 12.1.
ONL_SCHEMA_OWNER	This variable sets the database schema owner. It is used by the store_source extract. For example, if you are running AIP online extracts as "aipdev121user" but the schema owner is "aipdev121", then regardless of the running database user, ONL_SCHEMA_OWNER should be set to "aipdev121".
NLS_LANG	This variable defines the character encoding of the RETL import files.
ONL_VDATE_DIR	The directory location of the vdate.int file.

Note: RETL runs within a Java Virtual Machine (JVM). Errors concerning the JVM stack size may be encountered when executing AIP Oracle batch processes. This value represents the amount of memory allocated to a single JVM thread and is defaulted by the JVM. The user may override it by setting the RETL_THREAD_STACK_SIZE variable in aip_env_online.sh or in their user profile.

Example:

```
export RETL_THREAD_STACK_SIZE=200000
```

It can also be set in rfx.conf, the configuration file for RETL itself. However, modifying rfx.conf will affect all users accessing the RETL installation, not just those using AIP. When manipulating the JVM stack size, extreme care should be taken to prevent RETL from using an inordinate amount of the available physical memory.

RETL

Once RETL is installed, the environment variables displayed in the table below should be defined. Verify that these environment variables are properly defined.

Variable	Description
RFX_HOME	The RETL home directory.
RFX_TMP	The RETL temp directory.
ORACLE_HOME	Oracle installation directory

User Path

When invoking online shell scripts, the user's PATH must include the following directories:

- $INTEGRATION_HOME
- $INTEGRATION_HOME/bsa
- $INTEGRATION_HOME/config
- $INTEGRATION_HOME/scripts
- $RFX_HOME
- $RFX_TMP
- $ORACLE_HOME

For some variables defined in aip_env_online.sh, the value is defaulted to another externally-defined variable. This approach provides flexibility in that multiple users can use a single aip_env_online.sh but point to different test directories, domains, or RETL configuration files. It is important to note that the test directories listed in the externally defined variables must also be in the user's PATH. Please refer to the *AIP Installation Guide* for further details on defining variables in the .profile file.

Example:

If aip_env_online.sh contains

```
INTEGRATION_HOME= "${TEST_ONL_INTEGRATION_HOME}"
```

`TEST_ONL_INTEGRATION_HOME` is an environment variable whose value is the correct path to the root integration directory. The path that is defined for `TEST_ONL_INTEGRATION_HOME` must be in the user's PATH.

Configuring bsa_cred.config Server Access Credentials

The bsa_cred.config file contains single-line records that specify computer and database server access credentials and related connection information, in a generic form that is used by batch scripts that require machine and database access. This information is located in bsa_cred.config file with the intention that the file can be access-controlled so that only the process(es) which runs the RPAS and ONLINE AIP batch can read its contents.

> **Note:** This file is used by both the RPAS and ONLINE batch scripts. If this file is not available in the ONLINE environment because it resides on a separate server than RPAS, it should be copied to the ONLINE database server. Instructions are provided in the AIP Online Configurations section below.

The following table provides a description of the bsa_cred.config fields, which are space-delimited.

Field	Description
Application	Unique key indicating the application for which the record exists. This name is used as a key by dependent batch scripts.
Server	Computer or database server name or "NA" if not applicable for the given application.
User	User name credential or "NA" if not required for the given application.
Password	Password credential or "NA" if not required for the given application. Because passwords may contain spaces, passwords must be encoded with enclosing quotes (" ").

Records for the following keys must be present in the bsa_cred.config file:

- BATCH
- AIP-ONLINE
- AIP-RPAS
- DATABASE

An example of a complete bsa_cred.config file appears below.

```
BATCH        mspdev03     NA           "NA"
AIP-ONLINE   mspdev03     onlineusr    "onlinepw"
AIP-RPAS     mspdev03     rpasusr      "rpaspw"
DATABASE     devrtk11     dbuser       "dbpw"
```

Using the Scheduler to Run AIP Batch Processes

This topic provides information about using the Scheduler to run the AIP on RPAS and AIP on Oracle batch processes. The batch processes span both platforms and depend on inputs from the merchandising and forecasting systems.

There are 7 control scripts that can be used to execute AIP batch:

- vdate.sh
- aip_t_master.ksh
- cron_export.sh
- aip_batch.sh
- cron_import.sh
- cron_release_store_order.sh
- cron_release_non_contents_order.sh

If the Oracle Retail Integration Bus (RIB) will not be used to communicate the purchase orders and transfers released by the overnight batch, the following script should also be used:

- tsf_po_export.sh

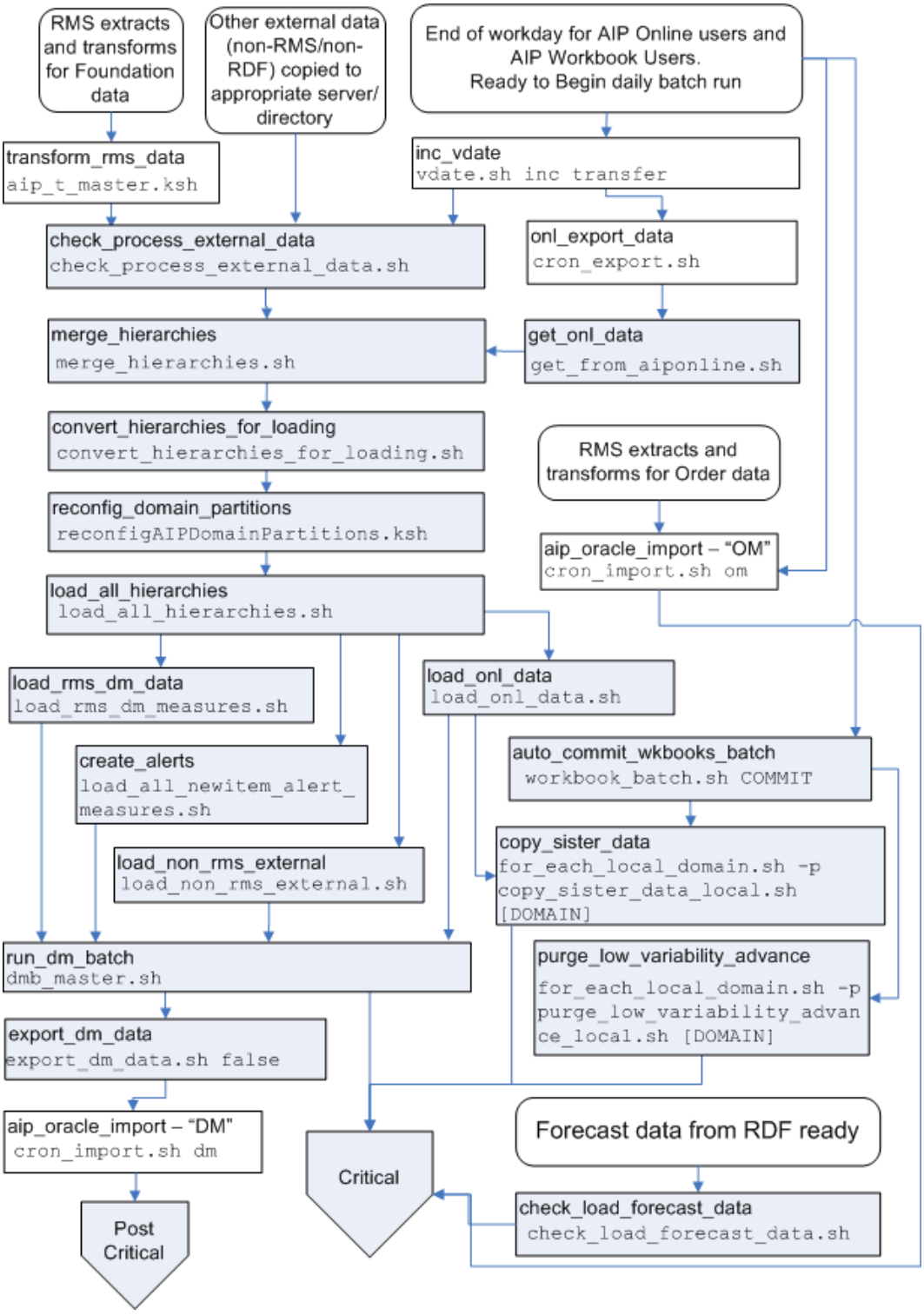
Many of these control scripts accept or require parameters to indicate the specific logic to execute. Therefore you will notice that the control script may be called multiple times with different parameters. Where restart/recovery at the control script level is not sufficiently granular the sub-scripts, called by the top level control script, can be scheduled instead. However the scheduled tasks must carefully consider all tasks executed by the control script, including common environment control.

The following diagram outlines the AIP script/step execution and dependencies. Note that the shaded boxes represent the executable steps of aip_batch.sh. The aip_batch.sh step name, in bold, can be passed into the script as a parameter or the subscript, listed below the step name, can be scheduled.

> **Note:** AIP only moves data between platforms internally. It does not retrieve files which were generated external to AIP. All data that is input to AIP must be transferred via FTP or copied to the appropriate inbound directory on the AIP server.

Pre-Critical Path Tasks

The diagram and table below provide information about the pre-critical path steps that need to be performed.



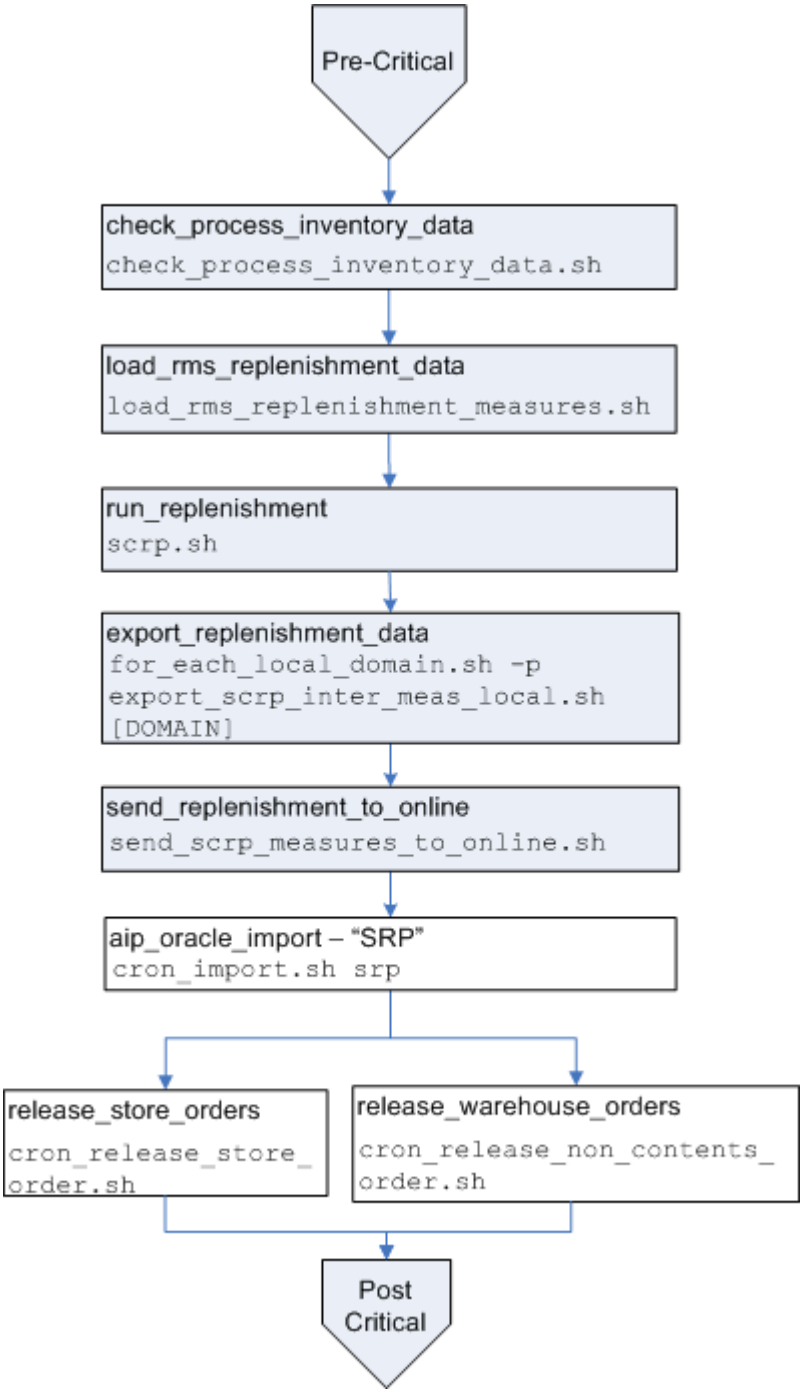
Pre-Critical Tasks Process Flow Diagram

The table below provides information about the script or action performed in the Pre-Critical Tasks process flow diagram.

Script or Action	Parameter(s)	Platform Location
Bring down the online application server and domain daemon to lockout users		Oracle, RPAS
vdate.sh	inc transfer	Oracle
cron_export.sh		Oracle
Copy/FTP RMS data files to ${RAW_RMS_DATA_DIR}. Perform uncompress and un-tar operations.		RPAS
aip_t_master.ksh		RPAS
Copy/FTP all external/custom data files to ${AIPRMS}. Perform uncompress and un-tar operations.		RPAS
aip_batch.sh	check_process_external_data	RPAS
aip_batch.sh	get_onl_data	RPAS
aip_batch.sh	merge_hierarchies	RPAS
aip_batch.sh	convert_hierarchies_for_loading	RPAS
aip_batch.sh	reconfig_domain_partitions	RPAS
aip_batch.sh	load_all_hierarchies	RPAS
aip_batch.sh	load_onl_data	RPAS
aip_batch.sh	load_rms_dm_data	RPAS
aip_batch.sh	create_alerts	RPAS
aip_batch.sh	load_non_rms_external	RPAS
aip_batch.sh	auto_commit_wkbooks_batch	RPAS
aip_batch.sh	run_dm_batch	RPAS
aip_batch.sh	export_dm_data	RPAS
cron_import.sh	dm	Oracle
Copy or FTP the RDF forecast files to ${INTERFACE_FORECAST_DIR}. Perform uncompress and un-tar operations.		RPAS
aip_batch.sh	check_load_forecast_data	RPAS
aip_batch.sh	purge_low_variability_advance	RPAS
aip_batch.sh	copy_sister_data	RPAS
Copy/FTP RMS and custom OM data files to ${ONL_INBOUND_DIR}. Perform uncompress and un-tar operations.		Oracle
cron_import.sh	om	Oracle

Critical Path Tasks

The diagram below displays the Critical Path Tasks process flow diagram.



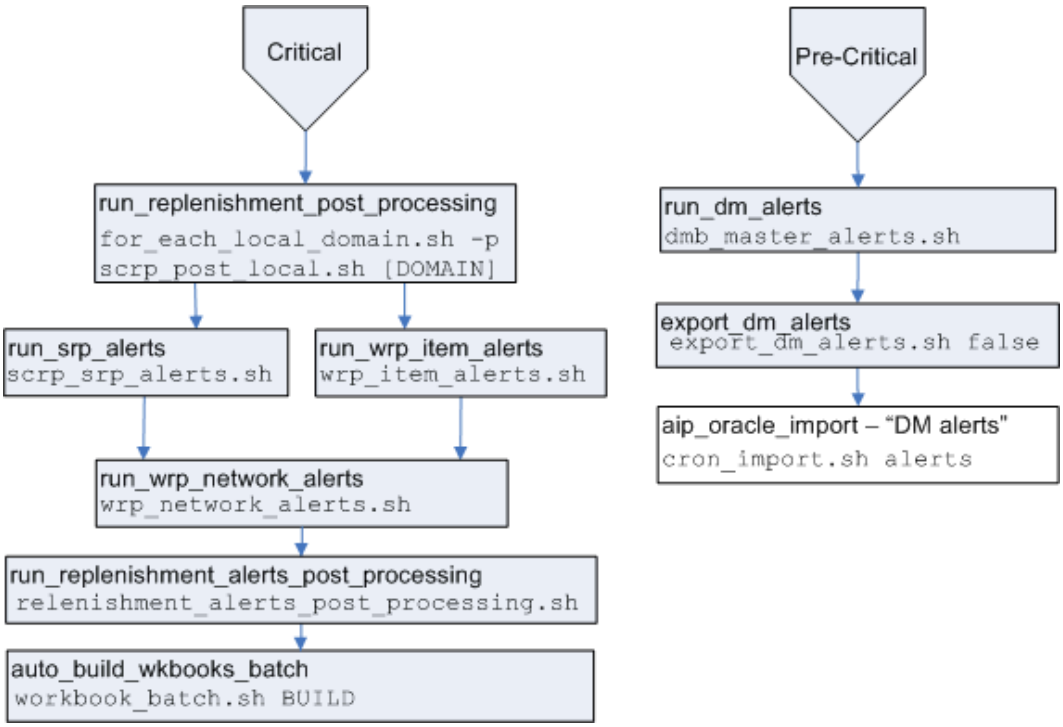
Critical Path Tasks Process Flow Diagram

The table below provides information about the critical path steps that need to be performed.

Script or Action	Parameter(s)	Platform Location
Copy/FTP the RMS inventory position files to ${AIPRMS}. Perform uncompress and un-tar operations.		RPAS
aip_batch.sh	check_process_inventory_data	RPAS
aip_batch.sh	load_rms_replenishment_data	RPAS
aip_batch.sh	run_replenishment	RPAS
aip_batch.sh	export_replenishment_data	RPAS
aip_batch.sh	send_replenishment_to_online	RPAS
cron_import.sh	srp	Oracle
cron_import.sh	wip	Oracle
cron_release_store_order.sh		Oracle
cron_release_non_contents_orders.sh		Oracle
tsf_po_export.sh (for RIB bypass)		Oracle
When bypassing the RIB, copy/FTP the AIP purchase order and transfer files from ${ONL_OUTBOUND_DIR} to RMS.		Oracle

Post Critical Path Tasks

The diagram below displays the Post Critical Path Tasks process flow diagram.



Post Critical Path Tasks Process Flow Diagram

The table below provides information about the post-critical path steps that need to be performed.

Script or Action	Parameter(s)	Platform Location
aip_batch.sh	run_replenishment_post_processing	RPAS
aip_batch.sh	run_dm_alerts	RPAS
aip_batch.sh	export_dm_alerts	RPAS
cron_import.sh	alerts	Oracle
Restart the AIP Online application server.		Oracle
aip_batch.sh	run_srp_alerts	RPAS
aip_batch.sh	run_wrp_item_alerts	RPAS
aip_batch.sh	run_wrp_network_alerts	RPAS
aip_batch.sh	run_replenishment_alert_post_processing	RPAS
aip_batch.sh	auto_build_wkbooks_batch	RPAS
Start the AIP RPAS domain daemon.		RPAS

4

AIP Online Configurations

AIP Online consists of three different but equally important environments: a UNIX-based platform for executing RETL scripts and batch shell scripts; an Oracle database; and an application server for hosting the web-based Java graphical user interface (GUI). Each environment requires specific values, properties, and files to be configured in order to fully implement the AIP Online portion of the solution.

AIP Online UNIX Environment

The batch scripts which execute on the data stored in the Oracle database run on a UNIX-based platform. RETL must be installed and it must be able to access the AIP Oracle database. In order to execute the batch scripts config.xml, the integration directories, and any files shared by the Online and RPAS must be setup and operational.

config.xml

The RETL interface process, run from a UNIX-based platform, is designed to be fully automated once configured. In addition to the environment variables described above config.xml is required when invoking the RETL scripts. This file should be located in the root integration directory on the UNIX server in which the AIP Online application is installed.

This configuration file contains the database connection information required by RETL for performing import and export operations. Refer to the RETL documentation for detailed descriptions of element definitions. There are two operator sections that need to be completed, one for 'oraread' and one for 'orawrite'. The 'oraread' section defines the properties required for all export operations on the database and the 'orawrite' section defines these for all import operations. Though both contain similar attributes, it's imperative that each section is defined as needed for the specific Oracle database installation. This information is also dependent on the requirement that all databases can be connected to via a properly defined tnsnames file and reachable by SQLPlus.

Example config.xml file:

```
<CONFIG>
  <DEFAULTS operator="oraread">
    <PROPERTY name="arraysize"     value="5000" />
    <PROPERTY name="hostname"      value="mspdev38"/>
    <PROPERTY name="port"          value="1524"/>
    <PROPERTY name="dbname"        value="DEV029i"/>
    <PROPERTY name="connectstring" value="aiprmsint121user/retek"/>
  </DEFAULTS>
  <DEFAULTS operator="orawrite">
    <PROPERTY name="hostname"      value="mspdev38"/>
    <PROPERTY name="port"          value="1524"/>
    <PROPERTY name="dbname"        value="DEV029i"/>
    <PROPERTY name="dbuserid"      value="aiprmsint121user/retek"/>
    <PROPERTY name="method"        value="conventional"/>
   </DEFAULTS>
</CONFIG>
```

Integration Directories

The following directories must be created by the system administrator. They are required and will cause errors if absent:

- $INTEGRATION_HOME/inbound
- $INTEGRATION_HOME/archive

Shared Files

When the AIP RPAS module is not installed on the same server as the AIP ONLINE module, the shared credential and verification files must be present in both locations.

The following table lists the files and the appropriate location on the UNIX server. Copy the files from the AIP RPAS server location to the AIP ONLINE server. Where the destination directory does not exist, one should be made. All server locations are written in reference to the aip_env_online.sh environment variables.

File Name	Location
aip_common.sh	$INTEGRATION_HOME
fetch_files.sh	$INTEGRATION_HOME/scripts/
bsa_cred.config	$INTEGRATION_HOME/config
bsa_fetch_files.config	$INTEGRATION_HOME/config
bsa_archive.sh	$INTEGRATION_HOME/bsa
bsa_check_for_required_files.sh	$INTEGRATION_HOME/bsa
bsa_common.sh	$INTEGRATION_HOME/bsa
bsa_cred.sh	$INTEGRATION_HOME/bsa
bsa_env.sh	$INTEGRATION_HOME/bsa
bsa_fetch_files.sh	$INTEGRATION_HOME/bsa
bsa_file_transfer.sh	$INTEGRATION_HOME/bsa
bsa_logger.sh	$INTEGRATION_HOME/bsa
bsa_para.sh	$INTEGRATION_HOME/bsa
bsa_sort.sh	$INTEGRATION_HOME/bsa
bsa_sql.sh	$INTEGRATION_HOME/bsa
bsa_verify.sh	$INTEGRATION_HOME/bsa

Importing Configuration Files

The files imported into AIP Online are bundled (in a *.tar file) together into logical groupings based on dependencies and availability within the batch window. Each RETL import file has one, and only one, corresponding script that executes the loading of the file into the database. The execution of all RETL import scripts is controlled by a set of configuration files that list the load scripts to be run, and the order in which they will run. Each configuration file corresponds to one *.tar file.

- The configuration files can be modified to prevent execution of load scripts for files which will never be present (e.g. they are optional files for functionality that will not be used by the business). For example 'Sister Stores' may not be available in the merchandising system to provide to AIP, or purged order numbers may not be available for po number recycling. The line containing the path to the 'in.sh' load script should be deleted or commented out.
- The configuration files are a command line argument passed to the parent script, process_aiponline_data.sh. A modified configuration file or a specially constructed configuration file can be passed to the parent script to aid the initial, first day import, restart/recovery, or special ad hoc processing.
- The parent script will execute all load files listed in the configuration file passed to it. A warning message will be logged when the load script is executed but the corresponding data file is not present.

The import configuration files are listed in the following table along with any potentially optional load scripts. Optional load scripts are those which are not critical to replenishment processing. They are related to functionality outside of replenishment or provide special information that can be used as an alternative to the standard processing. Settings in both AIP RPAS import/export configuration files and AIP Online import configuration files should reflect the file requirements consistently.

Configuration File	Optional Load Scripts
import_hierarchy.config	
import_dm.config	dm/banded_commodity/in.sh dm/is_prepriced/in.sh dm/direct_store_format_pack_size/in.sh dm/direct_store_pack_size/in.sh dm/sister_store/in.sh dm/sister_wh/in.sh dm/store_format_pack_size/in.sh dm/store_pack_size/in.sh dm/value_added_commodity/in.sh dm/warehouse_promotional_dates/in.sh
import_dm_alerts.config	
import_store_source.config	
import_wip.config	
import_om.config	om/po_recycling/in.sh

Export Configuration Files

The files exported from AIP Online are bundled (.tar) together into logical groupings based on dependency. Each RETL export file has one, and only one, corresponding script that executes the extraction of the file data from the database. The execution of all RETL extract scripts is controlled by a set of configuration files that list the export scripts to be run, and the order in which they will run.

- The configuration files can be modified to prevent execution of export scripts for files which will never be present (e.g. they are optional files for functionality that will not be used by the current client). For example, if "Sister Stores" are never imported then the copy date never needs to be extracted for AIP on RPAS.

  Note: Files that are optional for import may not be optional for export. Some import files are optional because the data *can* be loaded. Alternatively the data can be entered in the DM online application. Regardless of how the data gets into the Oracle database, this data is required by AIP RPAS to run replenishment batch.

- The configuration files are a command line argument passed to the parent script, process_aiponline_data.sh. A modified configuration file or a specially constructed configuration file can be passed to the parent script to aid restart/recovery or special ad hoc processing.

The export configuration files are listed below.

- export_hierarchy.config
- export_dm.config
- export_wip.config
- export_tsf_po.config

Oracle Database

The configurations performed in the Oracle database affect how the business uses AIP. Each setting will be used when performing some action of supply-chain setup—either automatically or manually—or order execution and maintenance.

SYSTEM_PARAMETERS

The following table contains the configuration parameters contained in the SYSTEM_PARAMETERS database table, the default value assigned to the parameter, and a description about what the parameters controls. The default parameter values in the table need to be set according to your individual business needs.

Configuration Parameter	Default Value	Description
ON_SUPPLY_OFFSET	3	The corporate on supply offset value is used to calculate on-supply dates based on on-sale dates imported from the merchandising system. On-supply dates will be set to: [on-sale date] - ON_SUPPLY_OFFSET.
OFF_SUPPLY_OFFSET	3	The corporate off supply offset value is used to calculate off-supply dates based on off-sale dates imported from the merchandising system. Off-supply dates will be set to: [off-sale date] - OFF_SUPPLY_OFFSET.
SYSTEM_HIGH_DATE	99991231	The default end date used for default batch assignments where no end date is specified. Date format is yyyymmdd.
ON_OFF_SUPPLY_OVERWRITE_IND	N	This value indicates whether to overwrite the on supply and off supply dates with on sale and off sale dates respectively. The parameter is applied anytime a SKU/Store in the imported file matches a SKU/Store record in the on_supply_off_supply table. When set to Y, the overwrite will occur anytime a match is found. If the value is set to N, the on supply and off supply date will only be overwritten when the previous on/off supply dates are in the past and future on sale/off sale dates are found in the import file, or when the on or off supply date is equal to the SYSTEM_HIGH_DATE.
VALID_SOURCE_VALIDATION_IND	Y	This value indicates whether to execute the validation to determine if a source is valid. A valid source is one that is currently acting as a destination with a split % against it or where all the SKU pack sizes for the SKU or demand group are pending de-ranged at the source warehouse. A supplier is always considered a valid source if the supplier supplies one or more pack sizes of the SKU.
DLG_OG_VALIDATION_IND	Y	This parameter indicates whether the validation which checks if there is a delivery group and order group assigned for the given source, demand group, destination and effective date should be executed. This validation is performed when creating or changing a Time-balanced Order Source Split.
AUTO_CREATION_OF_DELIVERY_GROUP	Y	Indicates whether to automatically create delivery groups for a new supplier.

Configuration Parameter	Default Value	Description
AUTO_CREATION_OF_ORDER_GROUP	Y	Indicates whether to automatically create order groups for a new supplier.
AUTO_RANGE_DEMAND_GROUP	Y	Indicates whether to automatically range new SKU pack sizes.
COPY_SISTER_STORE	Y	Indicates whether to copy the sister store's supply chain parameters to the associated new store.
COPY_SISTER_WAREHOUSE	Y	Indicates whether to copy the sister warehouses supply chain parameters to the associated new warehouse.
AUTO_ASSIGN_ORDER_CYCLES	Y	Indicates whether to calculate a walking store lead time prior to the store opening. If no calculation is performed, the profile order cycle and any applicable exceptions will be used for producing a replenishment plan.
AUTO_CREATION_OF_PROFILE	Y	Indicates whether to automatically create Direct Profiles for new suppliers.
AUTO_ASSIGN_OF_SKUS_TO_PROFILES	Y	Indicates whether to automatically assign the SKU of new SKU/supplier combos to profiles.
SISTER_STORE_OFFSET_WEEKS	12	Indicates the maximum number of weeks before store open that a sister store copy will take place.
SISTER_WAREHOUSE_OFFSET_WEEKS	12	Indicates the maximum number of weeks before warehouse open that a sister warehouse copy will take place.
WALKING_LEAD_TIME_OFFSET	45	Indicates the number of days before a store open date to begin calculating a walking lead time for that store.
MAX_WALKING_LEAD_TIME	22	Indicates the maximum lead time to use in calculating a walking lead time.
SCHEDULE_EXCEPTION_OFFSET	9	Indicates the number of days - 1 after store open that the normal store ordering schedule will take effect. For example, if store open (SO) is a Friday and the default profile order cycle should take effect two Mondays after (10 days later), the value should be 9. This value is used when setting up the "Walking lead time" and when copying exceptions from the sister store. Sister store exceptions will be copied from SO + SCHEDULE_EXCEPTION_OFFSET + 1 onward when AUTO_ASSIGN_ORDER_CYCLES = 'Y'.

Configuration Parameter	Default Value	Description
AUTO_RANGE_BY_SHIP_TO_ONLY	N	Indicates whether to automatically range new SKU packs only to those warehouses that match the supplier Ship To value. Otherwise, the SKU pack size will be ranged to all valid warehouse combinations.
DEFAULT_PALLET_SETTING_USE _PALLET_HEIGHT	Y	Indicates whether to use pallet height in pallet settings for system generated delivery groups. This value is not used in the 12.1 release.
DEFAULT_PALLET_SETTING_USE _PALLET_WEIGHT	Y	Indicates whether to use pallet weight in pallet settings for system generated delivery groups. This value is not used in the 12.1 release. The value should be "N" until case weight is defined for the SKU-pack sizes.
DEFAULT_VEHICLE_FOOTPRINT	22	Indicates the default vehicle footprint for system generated delivery groups.
DEFAULT_VEHICLE_HEIGHT	1	Indicates the default vehicle height for system generated delivery groups.
DEFAULT_VEHICLE_WEIGHT_LIMIT	99999	Indicates the default vehicle weight limit for system generated delivery groups.
DEFAULT_VEHICLE_MINIMUM_DROP	0	Indicates the default vehicle minimum drop for system generated delivery groups.
AUTO_ASSIGN_ORDER_MULTIPLES	Y	Indicates whether order multiples should be automatically assigned for new SKU/pack size combinations.
AUTO_ASSIGN_PALLET_MULT	Y	Indicates whether pallet multiples should be automatically assigned for new SKU/pack size combinations.
AUTO_ASSIGN_CASE_WT	Y	Indicates whether case weights should be automatically assigned for new SKU/pack size combinations. This should be set to "N" since Case Weight is not used in the 12.1 release.
DEFAULT_CASE_WT	1	The default case weight used by the case weight automatic assignment process. This value must be between .1 and 9999.99, inclusive.
AUTO_ASSIGN_STACKING_FLAG	Y	Indicates whether stacking flag should be automatically assigned for new SKU/pack size combinations. This value should be set to "N" since Case Weight is not used in the 12.1 release.

Configuration Parameter	Default Value	Description
DEFAULT_STACKING_FLAG	0	The default stacking flag used by the stacking flag automatic assignment process. Valid values are as follows: ▪ 0 = Yes ▪ 1 = Same ▪ 2 = No **Note:** Same implies that only item A can be stacked on top of item A.
AUTO_ASSIGN_STORE_FORMAT_PACK_SIZE	Y	Indicates whether to automatically assign a store format pack size for warehouse and supplier sources
MIN_PLANNING_HORIZON	35	This is the minimum number of planning days for all SKUs. The user may also specify a planning horizon per Class and/or SKU. When defined, the SKU horizon takes precedence over a Class horizon and a Class horizon takes precedence over the system parameter. However, if either value is less than the system parameter, then the minimum planning horizon system parameter is used. The maximum value of all planning horizons is calculated each batch cycle and used to determine the amount of data that is exported to AIP on RPAS.
EXTENDED_PLANNING_HORIZON	7	The order quantity planned for each receipt day (plan day) addresses need (demand) which will occur in the period between the receipt day and the next receipt day. For the last receipt day in the planning horizon the calculation period may be partially or entirely outside of the planning horizon (with the exception of the receipt day itself). In this case it is desirable to look beyond the planning horizon to find the next receipt day in order to calculate need for the last receipt day within the planning horizon. To accurately calculate the 'next' receipt day the supply chain information in AIP on the RPAS platform must complete and accurate. This parameter defines the number of additional days beyond the planning horizon (DEFAULT_PLANNING_HORIZON) for which data will be exported to AIP on the RPAS platform. **Note:** This parameter MUST match the value set in the "Days Beyond Planning Horizon" measure in the SRP Administration Implementation Parameters worksheet.
WIP_IND	N	Indicates if the WIP subsystem is being used. WIP-related extracts will only be performed if this value is Y.

Configuration Parameter	Default Value	Description
VDATE	19991231	Used to maintain the same date throughout the batch run. The vdate.sh parameters `get`, `set`, and `inc` are used to retrieve, set and increment the value. The date format is YYYYMMDD.
DMG_ASSIGNMENT_METHOD	1	The value 1 indicates that new pack sizes associated with an existing SKU will be assigned to the existing SKUs demand group. The value 2 indicates that each new SKU/pack size will be assigned to a unique demand group. If the INVENTORY_TRACKING_LEVEL system parameter is equal to EACHES this parameter should be set to 1. Otherwise, it can be set to either 1 or 2.
DEFAULT_DMG_TYPE	0	The demand group type inserted for all automatically created demand groups. Valid values are 0 (cases), 1 (merchandising unit).
DEFAULT_DMG_SIZE	1	The demand group size inserted for all automatically created demand groups. Valid values are as follows: ▪ 1 (small) ▪ 2 (medium) ▪ 3 (large) ▪ 4 (x-large)
ONL_SCHEMA_OWNER	USER	The username of the AIP Online database schema owner.
INVENTORY_TRACKING_LEVEL	PACKS	The level at which inventory is tracked. Valid values are PACKS and EACHES. If the value is EACHES, then the DMG_ASSIGNMENT_METHOD parameter will be overridden and all pack sizes of a SKU will be assigned to the same demand group. **Note:** This setting must be kept synchronized with the RPAS setting. Changing this setting post implementation is not supported. An Oracle Services effort is required to change the value.
AIP_VERSION	12.1	The currently installed version of AIP Online.
TSF_INTERFACE_METHOD	M	Determines whether system created Transfers are interfaced to external systems via XML messages on the RIB (M) or text files (F). If the value is M, the queue tables will be queried by the OrderSenderBean, which is deployed on the application server and communicates Transfers to RMS via the RIB. If the value is F, the tsf_po_export.sh script should be run to export Transfers to a text file.

Configuration Parameter	Default Value	Description
PO_INTERFACE_METHOD	M	Determines whether system created Purchase Orders are interfaced to external systems via XML messages on the RIB (M) or text files (F). If the value is M, the queue tables will be queried by the OrderSenderBean, which is deployed on the application server and communicates Transfers to RMS via the RIB. If the value is F, the tsf_po_export.sh script should be run to export Purchase Orders to a text file.
CONTINUE_ORDER_SENDER_BEAN_FOR_TSF	Y	This parameter should not be manipulated by the system administrator except in the event of a batch failure to reset the flag. The parameter is set by the order release processing scripts: cron_release_store_order.sh and cron_release_non_contents_order.sh. It is a switch to start/stop polling for Transfers by OrderSenderBean. Possible values are Y (start) and N (stop).
CONTINUE_ORDER_SENDER_BEAN_FOR_PO	Y	This parameter should not be manipulated by the system administrator except in the event of a batch failure to reset the flag. The parameter is set by the order release processing scripts: cron_release_store_order.sh and cron_release_non_contents_order.sh. It is a switch to start/stop polling for Purchase Orders by OrderSenderBean. Possible values are Y (start) and N (stop).

In addition to the parameters listed above there a number of parameters that might be tweaked for performance reasons. These parameters begin with the "BFL" prefix and serve to limit the number of records retrieved at one time when executing a Bulk Fetch. The parameters are specific to a procedure or function.

ORDER_NUMBER

The Oracle ORDER_NUMBER table defines the valid range of order numbers for purchase orders and transfers. The range of values should not overlap the range of values allocated to any other system capable of generating orders. Update the ORDER_NUMBER table to reflect the range of purchase order and transfer numbers that are appropriate for AIP.

ORDER_PURGE_PERIOD

The Oracle ORDER_PURGE_PERIOD table defines the number of day an order remains in the system after it has been set to a Closed status. Review the default purge periods inserted in the table at installation time, and update the values for purchase order purging and transfer purging when needed.

ORDER_DEFINITION

In AIP Online orders are held at order detail level (i.e. order line time level). When an order number is generated, it is generated at order header level. The Oracle ORDER_DEFINITION table holds information that specifies how order line items are grouped into to order headers.

The following options are available for defining the level of grouping:

- Source - Indicates if order sources are used in order header roundup.
- SKU - Indicates if SKUs are used in order header roundup.
- Pack Size - Indicates if pack sizes used in order header roundup.
- Destination - Indicates if the order destinations are used in order header roundup.
- Delivery Date - Indicates if delivery dates are used in order header roundup.

In the example below SKU (commodity) and pack size are not used in the order definition. This means that for each order type an order number will be assigned to each unique combination of source, destination, and delivery date. This will result in one to many SKU pack sizes being grouped under a single order number for an order type.

Destination	Order Type	USE SOURCE	USE COMMODITY	USE PACK_SIZE	USEDEST	USE DELIVERY_DATE
Warehouse	Purchase Order	Y	N	N	Y	Y
Store	Purchase Order	Y	N	N	Y	Y
Warehouse	Transfer	Y	N	N	Y	Y
Store	Transfer	Y	N	N	Y	Y

Review the ORDER_DEFINITION table and change the settings if needed.

> **Note:** The only supported configurations for AIP 12.1 are the defaults provided in the table above and "Y" for all columns. These two configurations can be applied per destination/order type. They do not need to be applied uniformly across destination or order type.

Order Cycles

The default order cycles created at implementation time are used by the batch processes that automatically create Profiles and Order Groups. These order cycles can be modified to match your business needs however **they must remain in sync with the same "special default order cycles" created in the RPAS platform**.

Store Order Cycles

Store order cycles are assigned to a profile when it is automatically generated by the batch processes. The following Store Order Cycles exist for these procedures

- Warehouse profiles (PRFWS)
- Direct Profiles (PRFVS).

The following store order cycles are created during installation.

Order Cycle	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
PRFVS		15					
PRFWS	1	1	1	1	1	1	1

Store Order cycles are maintained in two tables, STORE_ORDER_CYCLE and STORE_ORDER_CYCLE_LEAD_TIME.

STORE_ORDER_CYCLE

STORE_ORDER_CYCLE_ID	STORE_ORDER_CYCLE_CODE	STORE_ORDER_CYCLE_NAME	STORE_ORDER_CYCLE_LENGTH
2	PRFVS	New Sup To Store Default OC	7
3	PRFWS	New Sup Warehouse to Store OC	7

STORE_ORDER_CYCLE_LEAD_TIME

STORE_ORDER_CYCLE_ID	STORE_ORDER_CYCLE_SEQ	RELEASE_LEAD_TIME	PLACEMENT_LEAD_TIME
2	1	-1	-1
2	2	15	15
2	3	-1	-1
2	4	-1	-1
2	5	-1	-1
2	6	-1	-1
2	7	-1	-1
3	1	1	1
3	2	1	1
3	3	1	1
3	4	1	1
3	5	1	1
3	6	1	1
3	7	1	1

- The STORE_ORDER_CYCLE_LENGTH is 7; therefore there is one row in the STORE_ORDER_CYCLE_LEAD_TIME table for each of the 7 days in the order cycle. Changing the length of the Store order cycle would require additional rows to be added to the STORE_ORDER_CYCLE_LEAD_TIME table such that the STORE_ORDER_CYCLE_SEQ runs from 1 to n where n is the order cycle length. The ONLY supported lengths are 7, 14, or 28. DO NOT choose a length other than those values.

- A RELEASE_LEAD_TIME or PLACEMENT_LEAD_TIME value of -1 indicates "blank" on the screen or no lead time.
- The PLACEMENT_LEAD_TIME value MUST be equal to or greater than the RELEASE_LEAD_TIME. Therefore you cannot change one and not the other. The PLACEMENT_LEAD_TIME must NOT contain a value other than -1 when the RELEASE_LEAD_TIME is -1.

Warehouse Order Cycles

Warehouse order cycles are assigned to an Order Group when it is automatically generated by the batch procedures. The following Warehouse Order Cycles exist for these procedures:

- Warehouse sourced Order Groups (OGWW)
- Supplier sourced Order Groups (OGVW)

The following store order cycles are created during installation.

Order Cycle	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
OGVW		15					
OGWW	1	1	1	1	1	1	1

Warehouse order cycles are maintained in two tables, ORDER_CYCLE and ORDER_CYCLE_LEAD_TIME.

ORDER_CYCLE

ORDER_CYCLE_ID	ORDER_CYCLE_CODE	ORDER_CYCLE_NAME	ORDER_CYCLE_LENGTH	COLLECTION_LEAD_TIME
1	OGVW	New Supplier Default Order Cycle	7	-1
2	OGWW	New Supplier Whs to Whs Order Cycle	7	-1

ORDER_CYCLE_LEAD_TIME

ORDER_CYCLE_ID	ORDER_CYCLE_SEQ	ORDER_LEAD_TIME
1	1	-1
1	2	15
1	3	-1
1	4	-1
1	5	-1
1	6	-1
1	7	-1
2	1	1
2	2	1
2	3	1
2	4	1
2	5	1
2	6	1
2	7	1

- The warehouse order cycle length (ORDER_CYCLE_LENGTH) is 7; therefore there is one row in the ORDER_CYCLE_LEAD_TIME table for each of the 7 days in the order cycle. Changing the length of the warehouse order cycle would require additional rows to be added to the ORDER_CYCLE_LEAD_TIME table such that the ORDER_CYCLE_SEQ runs from 1 to n where n is the order cycle length. The ONLY supported lengths are 7, 14, or 28. DO NOT choose a length other than those values.
- An ORDER_LEAD_TIME value of -1 indicates 'blank' on the screen or no lead time.
- The COLLECTION_LEAD_TIME must be equal to or less than the smallest ORDER_LEAD time for the order cycle. For the existing, unmodified, order cycle OGVW, the COLLECTION_LEAD_TIME can be at most 15. For the existing, unmodified, order cycle OGWW, the COLLECTION_LEAD_TIME can be at most 1.

WH_TYPE_INITIAL_PACK_TYPE

The Oracle WH_TYPE_INITIAL_PACK_TYPE table contains the warehouse type and pack type associations that are used for defaulting warehouse orderable units and order multiples. When the AIP Automated Data Maintenance batch processes run the pack type value defined for the respective process will define which pack size should be used for assignment first. If the pack size associated with the pack type is not valid for a given warehouse of the assigned warehouse type, additional logic in the batch will determine the next valid pack size to use.

The constraints on the table will need to be modified if additional warehouse types are added to the system via the STOCKING_POINT table. The warehouse type describes the destination warehouse type.

The process type identifies the process to which the warehouse type/pack type setting applies – either warehouse orderable units or order multiples.

SUPPLIER

Prior to importing any supplier data, the column constraint on the SHIP_TO column should be modified to match the SHIP_TO values that will be imported from the merchandising system. If additional values are being added, the Ship-to source and destination mappings must also be added to the SHIP_TO_WH_TYPE_SOURCE and SHIP_TO_WH_TYPE_DEST tables.

STOCKING_POINT

Prior to importing any warehouse data, the column constraint on the WH_TYPE column should be modified to match the WH_TYPE values that will be imported from the merchandising system.

SHIP_TO_WH_TYPE_SOURCE

This Oracle table contains the mappings between Supplier SHIP_TO values and the appropriate sources. These values are used when automatically generating Delivery Groups and Order Groups. When the WH_TYPE column is null, the supplier will be used as the source. A non-null WH_TYPE value indicates the warehouse the supplier ships to is an intermediate warehouse that does not ship directly to the store. When the WH_TYPE is populated, the source of the Delivery Groups and Order Groups created will be Warehouses that match the WH_TYPE.

SHIP_TO_WH_TYPE_DEST

This Oracle table contains the mappings between Supplier sources (SHIP_TO_WH_TYPE_SOURCE) and the destinations. The destinations are used to determine the valid warehouse chambers to assign to the delivery groups and order groups. One SHIP_TO value can map to many sources and destination WH_TYPEs.

ALERT_DEFINITION

Every alert is assigned a priority based on the type of the alert. The priority assigned to each alert type can be set in the ALERT_DEFINITION table. The priority setting currently has no bearing on the rest of the system. It is simply a visual indicator of importance and search mechanism for the user.

> **Note:** Updating the alert type priority in the ALERT_DEFINITION table changes the priority of any previously existing alerts corresponding to the alert type being modified

ALERT_DEFINITION_DESC

The Oracle ALERT_DEFINITION_DESC table contains the text of each alert, and the corresponding SHORT_DESC or alert type description. The SHORT_DESC value is displayed to the user as search criteria. You may modify the text of the SHORT_DESC, however, the screen is optimized to display the values provided in the installation. It is not recommended that you modify the LONG_DESC as the correct placement of the data displayed to the user depends on the structure of the LONG_DESC text.

The LONG_DESC and SHORT_DESC can be translated for another LANG and COUNTRY if desired.

ALERT_STATUS_DESC

Each alert that is imported or generated by AIP Automated Data Maintenance batch will be assigned a status. The status is displayed to the user in the DM online screen. The user can then modify the status of the alert by selecting a status option from a drop-down list. The status options displayed in the list and their descriptions are contained in the ALERT_STATUS_DESC table.

Adding a Status

The ALERT_STATUS_CODE indicates the chronological order of the statuses displayed on the screen as well as the code that is saved indicating the alert's current status.

When adding a status:

- The smallest value will be automatically assigned to every new alert.
- The largest value will be considered the final status indicating no more work needs to be completed related to the alert.
- It must be added to every set of LANG/COUNTRY combinations. Therefore, the same set of ALERT_STATUS_CODE values must exist for every LANG and COUNRTY on the table.

AIP Application Server

The following properties files are used to configure the application during implementation. All files are located in <aip app server install location>/config. Review the values in the files for completeness and accuracy. There are additional properties outlined below which must be manipulated when using the RIB with AIP.

db.properties

File Location: <aip app server install location>/config

This file contains configuration values that are related to the system's database. This file tells the DM Online and OM Online application how to connect to the database. After installation, this file should contain the correct information because it is set in the initial run of the AIP Online application. However, it is a good idea to review the values in the files for completeness and accuracy. The following table provides a description of the values contained in the db.properties file.

Configuration Value	Description
common.prop.db	This value defines the database that the system is utilizing. This value is set to Oracle.
common.prop.oracle.sid	This value is an Oracle parameter that defines the database name that the system is utilizing. SID stands for system identifier.
common.prop.oracle.host	This value is an Oracle parameter that refers to the database listener. This value defines the "host:port" that the database listener is using.
common.prop.user	This value is an Oracle parameter that defines the "username/password" of the database. This can be a schema owner or a standard user.
common.prop.oracle.schema	This value is an Oracle parameter that defines the schema owner username. If the username/password defined in common.prop.user is not the schema owner, then this field must also be added and defined in order for the AIP Online Administration screens to function properly.

main.properties

File Location: <aip app server install location>/config

The following table provides a description of the properties contained in the main.properties file. This file is used by the Java enabled applications: DM online, OM, and RIB publication via the `OrderSenderBean`.

Property	Description
base	This must match the context root of the ear or war file. This is "/" for a production system, or "/test1" for the 1st of several test systems on a single physical computer.
securemode	This is set to "1" to force connections to switch from http (non-secure) to https (secure) upon logon. This value can also be set to "0" to prevent the connection from being switched from non-secure to secure mode.
setfileattr.rcapps.properties	This defines a file to contain color attributes. The default setting is rcapps.properties.

Publishing Purchase Orders and Transfer Data to RMS

You can configure AIP Online to publish Purchase Order and Transfer Data to the Oracle Retail Merchandising System (RMS) via the Oracle Retail Integration Bus (RIB). Perform the following procedure to enable RIB publication.

1. Uncomment the following parameters and change the OFF status of keys to ON status where applicable in the main.properties file to activate the `OrderSenderBean`, which calls the RIB publication routines:

```
#aip.prop.order.po.export=OFF
#aip.prop.order.tsf.export=OFF

#aip.prop.order.period.count=1
#aip.prop.order.period.start.1=08:00:00
#aip.prop.order.period.end.1=20:00:00
#aip.prop.order.time.interval=00:01:00

#aip.prop.order.po.message.family=XOrder
#aip.prop.order.po.message.type.name=msg_type
#aip.prop.order.po.queue.table.name=PO_MFQUEUE
#aip.prop.order.po.table.id.name=order_no

#aip.prop.order.tsf.message.family=XTsf
#aip.prop.order.tsf.message.type.name=msg_type
#aip.prop.order.tsf.queue.table.name=TSF_MFQUEUE
#aip.prop.order.tsf.table.id.name=tsf_no

#aip.prop.order.max.message.bundle.size=10
#aip.prop.order.max.publishing.count=20
```

2. Save the main.properties file.

3. Have the WebSphere administrator restart the WebSphere instance where the `OrderSenderBean` and AIP Online application are deployed.

main.properties Publication Properties

File Location: <aip app server install location>/config

The following table provides a description of the publication properties referenced in the previous topic.

Property	Description
aip.prop.order.po.export	This property must be set to 'ON' to do RIB-based publications Purchase Orders. (PO_MFQUEUE)
aip.prop.order.tsf.export	This property must be set to 'ON' to do RIB-based publications of Transfers (TSF_MFQUEUE)
aip.prop.order.period.count	The number of periods in the day during which the OrderSenderBean will invoke RIB publication. This value must be greater than zero if RIB-based publication is to be used. In addition, at least one of the above two properties must in set to 'ON'.
aip.prop.order.period.start.x	The start time in HH:MM:SS format of period x where x is 1 … aip.prop.order.period.count.
aip.prop.order.period.end.x	The end time in HH:MM:SS format of period x where x is 1 … aip.prop.order.period.count.
aip.prop.order.time.interval	The amount of time in HH:MM:SS format between calls to `OrderSenderBean.checkAndPublish()` function.
aip.prop.order.po.message.family	The purchase order message family name. This value is required by the RIB to ensure proper validation of message payloads. This value should be set to 'XOrder'.
aip.prop.order.po.message.type.name	This value can be used to indicate if the message is a header-create, header-update, detail-create, or detail-update message. Although message types are used to order the `OrderSenderBean` query, this parameter value is not currently used.
aip.prop.order.po.queue.table.name	The AIP Online table which `OrderSenderBean` queries to check for Purchase Order related messages awaiting publication. This value should be 'PO_MFQUEUE'.
aip.prop.order.po.table.id.name	This value is used to group functionally related message content. For example, all message content related to purchase order number 123 would be grouped. This value should be 'order_no'.

Property	Description
aip.prop.order.tsf.message.family	The transfer message family name. This value is required by the RIB to ensure proper validation of message payloads. This value should be set to 'XTsf'.
aip.prop.order.tsf.message.type.name	This value can be used to indicate if the message is a header-create, header-update, detail-create, or detail-update message. Although message types are used to order the `OrderSenderBean` query, this parameter value is not currently used.
aip.prop.order.tsf.queue.table.name	The AIP Online table which `OrderSenderBean` queries to check for Transfer related messages awaiting publication. This value should be 'TSF_MFQUEUE'.
aip.prop.order.tsf.table.id.name	This value is used to group functionally related message content. For example, all message content related to transfer number 456 would be grouped. This value should be 'tsf_no'.
aip.prop.order.max.message.bundle.size	The maximum number of message bundles to publish per call to `OrderSenderBean.checkAndPublish()`. The default is 10, but this number should be recalculated by the client based upon on-site performance testing.
aip.prop.order.max.publishing.count	The maximum number of messages per message bundle. For example, multiple Purchase Order header create message can be grouped in one message bundle to improve performance. The default value is 20, but this value should be recalculated by the client based upon on-site performance testing.

rcapps.properties

File Location: <aip app server install location>/config

These properties are applied to the main application login and navigation pages. These property settings do not apply to the pop-up applet screens.

The color properties can be set to any 6 character hexadecimal value and are preceded with the # symbol.

Hexadecimal color property examples:

#0000FF = blue

#FF0000 = red

The files defined for various properties are located off of the following base directory:

`< rfp appserver location >/installedApps/<node> /AIPOnlineApp.ear/AIPOnlineWAR.war`

Property settings that contain path assignments are appended to the base directory provided above. Use the complete path, base directory plus property path to locate specific files as needed.

For example:

```
apptop.page=/fragments/apptop.jsp
```

apptop.jsp can be found in the following path:

```
< rfp appserver location >/installedApps/<node>/AIPOnlineApp.ear/AIPOnlineWAR.war/
fragments
```

The following table provides a description of the properties contained in the rcapps.properties file.

Property	Description
about.width	Width of 'about' windows. Currently, no 'about' windows are supported.
apps.width	Width of application windows.
appbanner.bg	Defines the main background color. This appears as the horizontal banner.
appmenu.bg	Menu banner background color. This appears as the vertical strip on the left side of the page. It is the background for any 'Applications', 'User Console', and 'Administration' menu items.
text.fg	Main text color. This is the text color for the main welcome on the login pages.
applet.codebase	Applet default codebase. The default value is appclasses. This is not expected to ever change.
apppage_top.page	Contains the code content for the upper fragment of the page including the top and left banners. The default value is /fragments/apppage_top.jsp
apptop.page	Defines the standard top banner (normal and compact versions). The default value is /fragments/apptop.jsp.
apptop_about.page	Defines the content of the 'about' page. 'About' pages typically contain version numbers and company information. 'About' pages are not supported by Oracle AIP. The default value is /fragments/apptop_about.jsp.
head.page	Contains the code content getting the configurations and saving them in variables used throughout the page. The default value is /fragments/head.jsp.
appbot.page	Defines the standard bottom banner. The default value is /fragments/appbot.jsp.
apppage_bot.page	Contains the code content for the lower page fragment. The default value is /fragments/apppage_bot.jsp.
securemode.allow	Used to enable securemode. Set to "*" to enable securemode on all clients, or set to "*, !Mac" to enable securemode on all clients except those that are using a Macintosh.

Property	Description
webmeter.allow	Used to display webmeter. Set to "*" to display webmeter for all clients, or "*, !Mac" to display webmeter for all clients except those that are using a Macintosh.
webmeter.page	Defines the file containing code for the WebMeter page. The default is /fragments/webmeter.jsp.

security.properties

File Location: <aip app server install location>/config

This file defines security administration settings for the application.

The following table provides a description of the properties contained in the security.properties file.

Property	Description
trackeradmin.prop.adminhosts	This is a comma delimited list of "host/mask" values that are allowed to access phantasm (the primary administration page).

strings_en.properties

This file provides the displayed text for the screens. Error text originating in the database is not provided in this file and is not accessible for customization. Customizing this file can have an affect on the visual presentation of the screen or popup message. The new text should be of equal or similar character lengths as the modified text.

The file is located in the following server path:

<rfp appserver location >/installedApps/<node>
/AIPOnlineApp.ear/rfp.war/appclasses/res/com/retek/applet/strings_en.properties

Config.properties

This file contains configurable settings for Data Management and Order Management that determine how certain screens appear immediately when opened. It also contains settings which allow or prevent certain user activities on the screens.

This file is located in < WAS_HOME >/installedApps/<node> /AIPOnlineApp.ear/AIPOnlineWAR.war/appclasses/res/com/retek/applet.

Data Management Online Settings

The following table provides a description of properties found in the Config.properties file that are used to define Data Management online (DMo) settings.

Property	Description
datamanagement.suppress.pre.save.message	Indicates whether or not to suppress the pre-save message saying that all applicable rows will be updated. This setting currently only applies to the On Supply/Off Supply screen when performing mass updates of SKUs and Stores. The valid values for this property are 0 to display the pre-save message and 1 for do not display the pre-save message.
datamanagement.unit.of.measure.default	Defines the unit of measure (UOM) radio button that is initially selected when displaying DM Online screens containing UOM. Valid values are 0 for cases, or 1 for eaches.
datamanagement.warehouse.type.available	This setting determines whether the warehouse type field is displayed in the DM online application. This should be set to 0 when warehouse types are not defined for warehouses, or set to 1 if warehouse types are assigned to warehouses.
export.launch	When the user exports the Alerts from the DM online application to a savable file, this setting will determine whether the file is opened immediately or not. If set to launch immediately, the user must have a default program for the particular file extension being saved. Two file formats are available, spreadsheet (.xls) or comma delimited (.csv). The default program associated with the file extension is specific per PC and is not an AIP controlled setting. If no program is associated to the file extension, the user may receive an error and the file will not be opened. If an error occurs, the user must manually open the file in the appropriate program. The valid values for this property are 0 for don't launch, and 1 for launch immediately.

Property	Description
export.type.default	When exporting the Alerts from the DM online application to a savable file, the user has the option of saving the data in spreadsheet or comma delimited file format. This property setting is applied to the initial radio button selection that defines the format. This property defines the value selected by default. The user has the option of choosing the other format by selecting the other radio button option. The valid values for this property are 0 for comma-separated file (CSV) or 1 for spreadsheet (XLS).
paginggrid.page.size	This is the default 'pagesize' setting applied to all screens with paging. Pages contain a certain number of rows and only the content for one page is displayed at a time. This property defines the number of rows that are displayed in a single page. When setting this value you should consider that the setting is system wide setting, not user specific. The resolution of each user's screen will affect how many rows are visible without scrolling. Assign a large number to this property may result in the need for some users to scroll down the page to see all of the rows. Setting this property to an arbitrarily large number also negates the benefits of paging, which is used to improve screen rendering time performance and display information in a more usable fashion. This property can be set to any value greater than 0 and less than or equal to 9999999.
paginggrid.<screen name>.page.size	Each screen that uses paging has its own pagesize setting. This setting, when greater than 0, will override the default 'pagesize' setting. The same considerations for the default should be applied to the individual screen settings. A value of -1 indicates that the default should be used. The valid values for this property are -1 or any number greater than 0 and less than or equal to 9999999.

Order Management Settings

The following table provides a description of properties found in the config.properties file that are used to define Order Management (OM) settings.

Property	Description
ordermanagement.order.type.default	This setting defines which order type radio button is selected by default. The available options are All, Transfers, or Purchase Orders. This setting applies to all Order Management screens which allow the user to search or select an order type. Valid values for this property are as follows: ▪ 0 for All ▪ 1 for Purchase Orders ▪ 2 for Transfers **Note:** The ordermanagement.viewable.order.type setting takes precedence over this setting. If this setting conflicts with it, the ordermanagement.viewable.order.type will be used instead.
ordermanagement.viewable.order.type	This setting defines which order types users are able to view and possibly manipulate. Users cannot perform any operations on orders types that do not match this setting, nor can they view order types that do not match this setting. This setting applies to all Order Management screens. The valid values for this property are as follows: ▪ 0 for All ▪ 1 for Purchase Orders ▪ 2 for Transfers **Note:** Users may have privileges to the Order Create screen but they will be unable to perform any operations if the ordermanagement.viewable.order.type is not set to All or Purchase Order.
ordermanagement.unit.of.measure.default	Defines the unit of measure (UOM) radio button that is initially selected when displaying OM Online screens containing UOM. Valid values are 0 for cases, or 1 for eaches.
ordermaintenance.order.display.format	This setting defines the display format that is selected by default in the Order Maintenance search criteria pop up. The valid options for this property are 0 for the tree format and 1 for the grid format.
ordermaintenance.expand.all.default	When the search results in the Order Maintenance screen are displayed in a tree format, this setting is used to determine whether the tree should be initially displayed in a collapsed or expanded state. When collapsed, only the header level order information appears. When expanded, all of the SKU-pack sizes and order quantities associated with the order display. Valid values for this property are 0 for collapsed or 1 for expanded.

Property	Description
ordermaintenance.update.quantity.default	In the Order Maintenance screen, the user has the option of viewing the quantity on the order as the total ordered quantity or as the outstanding, un-received order quantity. This setting is used to determine which radio button option will be initially selected on the screen. The valid values for this property are 0 to view the total order quantity, or 1 to view the unreceived order quantity.
ordermaintenance.supplier.tracking.default	When moving the un-received purchase order quantity to a new delivery date and/or destination, the user must specify whether the supplier was the cause of the change or their business. The value that is specified affects the supplier performance tracking. This property defines which drop-down list option should be selected by default. The valid values are as follows: ▪ 0 – Always Ask ▪ 1 – Supplier Initiated ▪ 2 – Business Initiated The Always Ask option is recommended if the business will be viewing and using the supplier performance tacking information. This option forces the user to consciously select the appropriate value. If the business will not be using the supplier performance tracking information, then either the Supplier Initiated or Business Initiated option should be selected so that a value is always selected by default. This prevents the user from having to randomly pick one of the two options, as well as prevents the unnecessary popup which appears when the Always Ask option is selected in the drop-down list.
ordermaintenance.view.default	This setting defines which view should be displayed initially in the Order Maintenance Screen—the Standard View or the Extended View. The extended view includes the Supplier Tracking value and the Release Date. The additional columns displayed in the extended view results in each column having a smaller display size. Valid values for this property are 0 for the standard view and 1 for the extended view.
ordermaintenance.allow.move.unreceived	This setting allows the business to prevent users from changing the destination and delivery date of a purchase order. The valid values for this property are 0 to allow changing delivery dates and destinations, or 1 to prohibit changing delivery dates and destinations.

Property	Description
ordermaintenance.move.unreceived.criteria	This setting allows the business to define when it is acceptable to move un-received order quantities to a new delivery date and/or destination. The first option is anytime the order quantity is less than the received quantity. This means that the user can change the order delivery date and/or destination any time the order is released and not fully received. The second option is anytime the order is totally un-received. This means that the user can change the order delivery date and/or destination anytime the order has been released but not yet received against. The valid values for this property are 0 for not fully received or 1 for 0 received quantity.
ordermaintenance.move.allow.destination.change	This setting allows the business to restrict users from changing delivery destinations of their orders. This setting is used in the Order Maintenance Move Unreceived Order Quantity popup. When users are not allowed to change order destinations, they are left with the sole option of changing the delivery date. Valid values for this property are 0 to allow destination changes, or 1 to prevent destination changes.
ordermaintenance.move.require.new.order.number	This setting determines whether or not a new order number is required when moving an order. If a new order number is not required, users are allowed to choose whether to retain the existing order number or generate a new one when moving un-received quantities. Valid values for this property are 0 – Do not require a new order number or 1 – Require a new order number.
ordermaintenance.allow.cancel.unreceived	This setting allows the business to restrict users from fully canceling a Purchase Order. The user can still modify the Purchase Order quantity but they cannot fully cancel the un-received quantity. The valid values for this property are 0 to allow the un-received order quantity to be canceled or 1 to prohibit the cancelling of all un-received order quantity.
ordermaintenance.allow.release.orders	This setting allows the business to prevent users from manually releasing purchase orders in the Order Maintenance screen. Orders that have not been released cannot be modified. Only purchase orders released on their lead time by the batch order release process would be available for modification. The valid values for this property are 0 to allow manual release of orders, or 1 to prevent manual release of orders.

Property	Description
ordermaintenance.allow.edit.quantities	The setting allows the business to prevent users from modifying purchase order quantities. The user will still have the ability to cancel the outstanding unreceived order quantity unless the ordermaintenance.allow.cancel.unreceived property is also set to disallow cancelling unreceived order quantities. Valid values for this property are 0 to allow modification of order quantities, or 1 to prevent modification of order quantities.
ordermaintenance.release.status.default	This setting determines which Release Status radio button is initially selected in the Order Maintenance search criteria popup. The valid values for this property are 0 for all statuses, 1 for Released, or 2 for unreleased.
orderreview.display.quantity.default	This determines which Display Quantity value is initially selected in the Order Review search criteria popup. The first option is total quantity. This displays the summed order quantity in the search results. The second option is unreceived quantity. This will display the total order quantity that is still outstanding or yet to be received. This quantity is calculated as the total order quantity minus the total received quantity. The third option is received quantity. This will display the summed received quantity in the search results. The valid values for this property are 0 for total quantity, 1 for unreceived quantity, and 2 for received quantity.
orderreview.display.zero.values.default	This determines whether the Display Zero Values checkbox is initially checked or unchecked in the Order Review search criteria popup. Choosing to display zero values will result in zeros being displayed in the columns where no quantity is found. Note, however that at least one order must be found for the search criteria and date range in order to have a row displayed in the search results. When choosing to view received or unreceived quantities instead of the order quantity it will be impossible to distinguish a displayed zero that means no orders were found for the date range versus 0 quantity was received or 0 quantity is yet to be received. The valid values for this property are 0 to not initially select the checkbox (do not display zeros) or 1 to initially select the checkbox (display zeros).

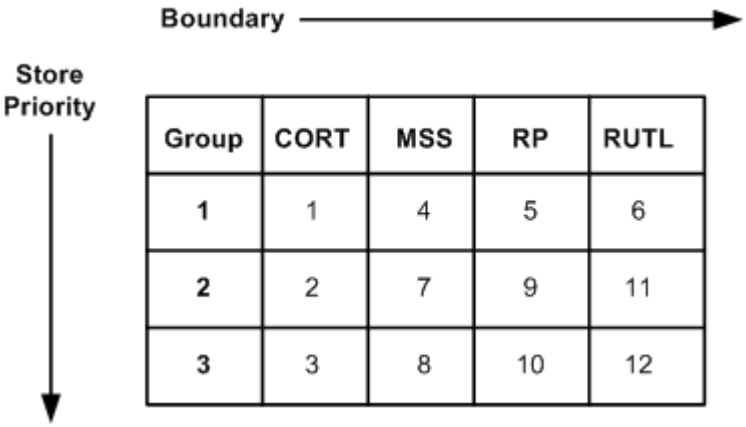
5

AIP RPAS Configurations

The AIP RPAS configurations listed in this section allow the business to manipulate AIP to meet their business needs. The XML files, configuration files, measures, etc. are applied to the replenishment processing to affect the plan that is produced.

shortfallPriorityMatrix.xml

The shortfall reconciliation priority matrix describes the order in which available inventory is allocated when an inventory shortfall occurs. The matrix is organized around two concepts, group and boundary. The group concept segregates stores into multiple mutually exclusive sets. For reconciliation purposes, all members of a given set are treated equally. Conversely, the inventory needs of one set may be considerably more important than those of another. For example, it may be more important to satisfy the minimum needs of one group before addressing the maximum need of another group. This is achieved by associating a group-boundary combination with a rank which allows combinations of group and boundary to be ordered. The following table illustrates the idea.



Group	CORT	MSS	RP	RUTL
1	1	4	5	6
2	2	7	9	11
3	3	8	10	12

The number of groups is not fixed however the base product's user interface currently limits the assignment of store priority to one of three values. Moreover, the priority matrix ranking is configurable. The configuration is specified using an XML file, shortfallPriorityMatrix.xml, which is formatted as shown below.

```
<reconciliation-priority-matrix>
   <boundary componentName="CustomerOrderOverReviewTime">
       <group id="1" priority="1"/>
       <group id="2" priority="2"/>
       <group id="3" priority="3"/>
   </boundary>
   <boundary componentName="MinimumSalesStock">
       <group id="0" priority="13"/>
       <group id="1" priority="4"/>
       <group id="2" priority="7"/>
       <group id="3" priority="8"/>
   </boundary>
   <boundary componentName="ReceiptPoint">
       <group id="0" priority="14"/>
       <group id="1" priority="5"/>
       <group id="2" priority="9"/>
```

```
        <group id="3" priority="10"/>
    </boundary>
    <boundary componentName="ReceiptUptoLevel">
        <group id="0" priority="15"/>
        <group id="1" priority="6"/>
        <group id="2" priority="11"/>
        <group id="3" priority="12"/>
    </boundary>
</reconciliation-priority-matrix>
```

Within the XML file, the "id" is expected to match a store priority. Store priorities are 1-Super High, 2-High, 3-Normal, and 0-Not Defined. "componentName" is the name of a numeric DataContainer which will contain the calculated allocation boundary data.

For each group the allocation boundaries should only be prioritized in the following ascending order: CORT < MSS < RP < RUTL. Since the allocation boundaries are cumulative, undesirable results may be generated if this order is not followed.

It should also be noted that same priority numbers across multiple cells will not be supported in the current release. Each cell within the matrix should be assigned a unique priority number. Not doing so will result in erroneous results.

stocklessPriorityMatrix.xml

The stockless priority matrix describes the order in which available inventory is allocated when a Stockless inventory surplus occurs or a surplus of singles occurs for a 'Push Singles' warehouse/SKU. The matrix is organized similar to the shortfall reconciliation priority matrix. The matrix gives the priority order for allocating excess inventory to destinations associated to each store priority/allocation boundary cell.

Group	Up To Upper Boundary	Fair Share Over Upper Boundary
1	1	6
2	2	5
3	3	4

The Upper Boundary is defined as:

- RUTL, if spoilage is not a consideration for the given sku-pack
- MSQ, if spoilage is considered

The priority matrix is defined in stocklessPriorityMatrix.xml, which is shown below.

```
<reconcilication-priority-matrix>
        <boundary componentName="FairshareUpperBoundary">
            <group id="0" priority="7" method="fair-share"/>
            <group id="1" priority="6" method="fair-share"/>
            <group id="2" priority="5" method="fair-share"/>
            <group id="3" priority="4" method="fair-share"/>
        </boundary>
        <boundary componentName="ReceiptUptoLevel">
            <group id="1" priority="1"/>
            <group id="2" priority="2"/>
            <group id="3" priority="3"/>
        </boundary>
    </reconcilication-priority-matrix>
```

Within the XML file the "id" is expected to match a store priority. Store priorities are 1-Super High, 2-High, 3-Normal, and 0-Not Defined. "componentName" is the name of a numeric DataContainer which will contain the calculated allocation boundary data.

For each group the allocation boundaries should only be prioritized in the following ascending order: 'Up To Upper Boundary' < 'Fair Share Over Upper Boundary'. Since the allocation boundaries are cumulative, undesirable results may be generated if this order is not followed.

Measures

Measure	Default Value	Description
dmx_plnhznmin	35	The Global Minimum Planning Horizon defines the minimum number of days that will be planned at the stores and warehouses. This value can be overridden with a larger value in the DM Online application by setting a Class level default value. Additionally a SKU exception can be defined for replenishment at stores and a Demand Group exception can be defined for replenishment at warehouses. The most specific value will be used (SKU or Demand Group, or Class) unless it is less than the global minimum planning horizon, in which case the global minimum value will be used. The DM online application does not allow planning horizons less than 35 days or greater than 366 days. The overrides set in the DM online application will not be used if they are less than the global minimum planning horizon. This value should be equal to the shortest planning horizon desired. This value should not be set greater than 366 days.
dmx_pstpmsflg	FALSE	The Post Promotion Substitution Flag determines whether promotional items should be substituted after their promotional date.
dmx_daywk_	7	This defines the number of days per week. This setting should never be changed.

Measure	Default Value	Description
dmx_somalg	1	This flag determines whether the user will manually enter ordering parameters for the entire supply chain, or whether the supplier's value for Pallet Multiple, Order Multiple, Case Weight, and Stack-ability indicator will be spread through the supply chain. If the value is 1, the four parameters listed above must be defined for both supplier to warehouse and warehouse to warehouse combinations of the supply chain. If the value is 0, the four parameters listed above need only be defined for the top tier of the supply chain--supplier to warehouse combinations. An algorithm will run as part of DM Batch to set the values for the inner tiers of the supply chain equal to the value of the top tier. Note that any warehouse to warehouse combinations that are either system generated by DM Automated Maintenance, or user generated will be overwritten in the RPAS measure!
dmx_speocy	0 = "PFOCPRFVS" 1 = "PFOCOGVW" 2 = "PFOCPRFWS" 3 = "PFOCFULLC" 4 = "PFOCOGWW"	This measure contains 5 values unique Order Cycle identifiers. These order cycles are used by default when automatically generating profiles and order groups. These should not be changed unless the AIP Oracle PL/SQL is customized to use the new Order Cycle codes and the order cycle exists in the AIP Oracle database. The order cycle lengths and lead times are not defined in AIP RPAS at implementation time. The order cycle lengths and lead times are defined in AIP Oracle at implementation time and will be loaded into AIP RPAS before the first full run of DM Batch. ▪ PFOCPRFVS - Used when automatically creating a new Supplier Profiles. ▪ PFOCPRFWS - Used when automatically creating new Warehouse Profiles. ▪ PFOCOGVW - Used when the system creates Automated Supplier sourced Order Groups. ▪ PFOCOGWW - Used when the system creates Automated Warehouse sourced Order Groups. ▪ PFOCFULLC - This is an empty order cycle which is used to wipe out all receipt points and lead times. It is used for new Stores which will have a walking lead time calculated prior to the store opening. It can also be assigned as a profile order cycle.

Measure	Default Value	Description
dmx_storeonly	STR	This measure contains the Supplier Ship-to code that represents 'Stores Only'. This code is used when attempting to automatically set the store source value for a new SKU. Because the Supplier Ship-to values are also sent to AIP on Oracle, the codes and table constraints in both systems must remain consistent.
dmx_cscstrfmt	SFMT1002	This measure contains the store format of the stores which receive their SKUs from the warehouse when the supplier of the SKU can supply both the stores and the warehouses. This setting is used when the batch tries to automatically set the Store Source value for a new SKU. When the selected supplier of the SKU has a Supplier Ship-to value of equal to the value in dmx_cscdir, this indicates that the supplier can ship to either CSC warehouses or directly to stores. To determine which store source to select (the supplier or warehouse) the store format of each store that the SKU is on-supply at is compared to the store format listed in this measure. If the store's format matches, then the store's default CSC warehouse is saved as the source for the SKU/store. This means that the supplier will provide the SKU to the warehouse and the warehouse will provide the SKU to the store. The selected store format to be saved in this measure must have the prefix 'SFMT' added to it.
dmx_cscdir	CS_ST	This is the supplier ship to value that indicates the supplier ships to both CSC warehouses and stores. Because the Supplier Ship-to values are also sent to AIP on Oracle, the codes and table constraints in both systems must remain consistent.

Measure	Default Value	Description
IpBydPlnHznG	7	The Days Beyond Planning Horizon Parameter represents the number of days the replenishment batch process will look forward to find the next Available To Plan (ATP) day after the end of the planning horizon. Replenishment will use the data between the end of the planning horizon and the next ATP day to calculate the receipt plan for the last ATP day. No plan is calculated on the ATP day beyond the planning horizon. If replenishment does not find an ATP day in the period from the end of the planning horizon through the days beyond the planning horizon, the receipt plan calculations will use data through the days beyond planning horizon to plan the last receipt. Any positive integer, including zero, is valid. This can also be set in the SRP Administration Implementation Parameters worksheet. **This measures value must stay in sync with the AIP on Oracle system parameter value.**

Modifying Measure Base Intersections Using Configuration Tools

Using the RPAS Configuration Tools, the base intersection of the following measures can be modified.

Note: The data file containing the data must match the configured measure intersection.

Measure	Description	Valid Configuration
IpFctWkPrfD	Week to Day Demand Forecast Percentage Default	All Products/Chain/Day-Of-Week Company/Chain/Day-Of-Week Division/Chain/Day-Of-Week Department/Chain/Day-Of-Week Class/Chain/Day-Of-Week Subclass/Chain/Day-Of-Week
IpFctWkPrfE	Week to Day Demand Forecast Percentage Override	Subclass/Chain/Day-of-Week
sr0_prmprsstk_*	Promotional Presentation Stock	Use Configuration Tools to show/hide this measure
sr0_prmspasc__*	Promotional Shelf Capacity	Use Configuration Tools to show/hide this measure
sr0_prmfillvl_*	Promotional Fill Level	Use Configuration Tools to show/hide this measure

Import Configuration Files

Missing data files can corrupt downstream data and cause errors which are difficult to interpret and trace to the root. Therefore, validation of the received import files must be performed prior to running any batch calculations or loading any files with dependencies. A set of configuration files are used to validate that all required files are present before proceeding to load them.

- The configuration files provide a complete list of hierarchy and measure data that can be loaded. If a client chooses to load additional data rather than have the user enter it they may add the file to the appropriate configuration file so that its presence in the AIP RPAS import directory is validated.
- The configuration files can be modified to specify whether a file is required or optional. A file can only be deemed optional if it provides data that is not required by the replenishment batch modules, is not required by AIP Online, and there are no required files that are dependant on it. Additionally, if the same data can be entered in a workbook *before* the batch run the loaded data may also be considered optional.

The configuration files for validation are listed below:

- earlyfiles.config
- latefiles.config
- forecastdata_from_external.config

After the presence of all required files has been validated a number of files are run through a stocking point prefix-adding script as well as a binary executable called interutil. These processes perform a myriad of formatting tasks including splitting files, adding S, V or W prefixes to Stores, Suppliers, and Warehouses respectively, and transforming RMS-sourced files from RMS SKU to AIP SKU or SKU-pack size. The list of files containing measure data that are reformatted by interutil is determined by a second set of configuration files.

- The configuration files can be modified to prevent interutil from being run for files that are in AIP RPAS loadable format.
- Only files containing measure data are listed in the configuration files. Hierarchy files must be provided in the predetermined format.

> **Note:** The *AIP Operations Guide* and "RMS Integration and Mapping" information provided within this document should be carefully reviewed for file format and file output from interutil before modifying the contents of the configuration files.

The interutil configuration files are listed below:

- dm_rms_measures.config
- srp_rms_measures.config
- wrp_rms_measures.config

Moving Integration Data Source from RMS to a Non-RMS External System

AIP is configurable to allow some files, whose default source is RMS, to be sourced instead from a Non-RMS External System. The following instructions are the procedure for adjusting the configuration files to support this change of source.

Pre-requisites for Moving the Source Application of an RMS Data Feed

1. The data feed must be one of the *inventory* data feeds that arrives *late* from *RMS*, as listed in wrp_rms_measures.config or srp_rms_measures.config file, as well as the latefiles.config file. These files are located in the following directory of the domain:
   `$AIPDOMAIN/interface/config/external/latefiles.config`
   `$AIPDOMAIN/interface/config/rms/srp_rms_measures.config`
   `$AIPDOMAIN/interface/config/rms/wrp_rms_measures.config`
2. The data feed must now be formatted in RPAS-loadable format. No processing will be performed to translate RMS SKU to AIP SKU, or to add stocking-point prefixes. However, the data can still be split into multiple pieces (for Store and Warehouse Current Inventory, namely sr0_curinv and wr0_curinv).
3. The data feed is still considered to be a "late" arrival.

Setup

1. Add the data feed to the measdata_from_external.config configuration file. It is located is in the following directory of the domain:
   $AIPDOMAIN/interface/config/measdata_from_external.config
2. Remove the data feed from srp_rms_measures.config or wrp_rms_measures.config. Also remove the data feed from inv_meas_ntier_prefix.config. These configuration files are located in the following directories of the domain:
   $AIPDOMAIN/interface/config/rms/srp_rms_measures.config
   $AIPDOMAIN/interface/config/rms/wrp_rms_measures.config
   $AIPDOMAIN/interface/config/rms/meas/inv_meas_ntier_prefix.config

Process

1. After the “early files” (as listed in earlyfiles.config) are placed into the domain, run the appropriate aip_batch processes, as normal, to process external data.

   Note: process_external_data.sh will not process any file that has been moved from RMS to External source, as the feed is still considered "late."

   Additionally, load_non_rms_external.sh *will not* load the moved feed, as it is not in the $AIPEXTERNAL directory yet.

2. After the “late files” (as listed in latefiles.config) are placed into the domain (in the $AIPRMS directory), run the appropriate aip_batch steps, as normal, to process inventory data.

> **Note:** process_inventory_data.sh *will* consolidate the current inventory data feeds as prescribed in the script regardless of whether they are RMS-sourced or non-RMS-sourced. However, process_inventory_data.sh *will not* process any moved feed by adding stocking point prefixes, or conversion from RMS SKU to AIP SKU/SKU-pack size, as the feed is no longer listed in the appropriate configuration files as in Step 2 of the setup above.
>
> Finally, load_rms_replenishment_measures.sh *will not* load the moved feed, for the same reason.

3. Manually copy the moved data feed into the $AIPEXTERNAL directory, with the correct extension ("rpl", meaning replacement load).
4. Run load_non_rms_external.sh a second time (step 12 of aip_batch.sh). Now that the data files exist in the $AIPEXTERNAL directory, and are listed in the measdata_from_external.config file, the non-RMS load script will load the files.

6

RMS Integration and Data Mapping

RMS to AIP Data

There are two types of data which RMS is required to provide to AIP:

- Hierarchy data
- Measure data

Hierarchy Data

Overview

The table below displays the hierarchy files that AIP receives from RMS.

	File Name	Description	Source
1	loc.txt	Location Hierarchy	RMS-partial (†)
2	item.txt	Item Hierarchy (Product Hierarchy)	RMS-partial (*)
3	splr.txt	Supplier Hierarchy	RMS
4	whse.txt	Warehouses	RMS-partial (*)

(†) RMS delivers only some fields in the location hierarchy. See below for details.

(*) These hierarchies go through a merge process with AIP Online data prior to being fully loaded into AIP RPAS.

File Format

The Retail Extraction, Transformation, and Loading (RETL) tool provides AIP with the file format displayed in the following table.

Note: Customers who do not have RETL are required to provide files with this same format.

Location Hierarchy File Name: loc.txt

Data Entry	Start	Width	Source
Store	1	20	RMS
Store Description	21	60	RMS
Site	81	20	RMS
Site Description	101	40	RMS
Region	141	20	RMS
Region Description	161	40	RMS
Zone	201	20	RMS
Zone Description	221	40	RMS
Chain	261	20	RMS
Chain Description	281	40	RMS
Company	321	20	RMS
Company Description	341	40	RMS
TV Region	381	4	External
TV Region Description	385	24	External
Weather Region	409	4	External
Weather Region Description	413	24	External
Market Region	437	4	External
Market Region Description	441	24	External
Store Format	465	20	RMS
Store Format Description	485	40	RMS

Note: In the location hierarchy file, if RMS does not provide a field value, the AIP transformation script creates a "0" for the field. RMS can provide a store format; however, it is an optional value in RMS. Store Format is **not** optional in AIP and should be set appropriately in RMS to prevent errors in AIP.

Item Hierarchy (Product Hierarchy) * File Name: item.txt

Data Entry	Start	Width	Source/Comments
AIP SKU	1	20	RMS
Order Multiple	21	4	RMS
Pack Quantity	25	4	RMS
RMS SKU	29	20	RMS
RMS SKU Description	49	60	RMS
Banded Item Indicator	109	1	RMS/banded = 1 Not banded=0
Segment	110	20	RMS
Segment Description	130	60	RMS
Sub-Category	190	20	RMS
Sub-Category Description	210	60	RMS
Category	270	20	RMS
Category Description	290	60	RMS
Super-Category	350	20	RMS
Super-Category Description	370	60	RMS
Business Unit	430	20	RMS
Business Unit Description	450	60	RMS
Company	510	20	RMS
Company Description	530	60	RMS
SKU Type	590	20	RMS
SKU Type Description	610	100	RMS

The item.txt file maps as follows:

1. The RMS SKU to the AIP SKU.
2. The Pack Quantity and Order Multiple to the AIP SKU-pack size. AIP processing code creates a mapping table (measure) to tie the RMS SKU to the AIP SKU pack size, and uses this mapping method to send data back to RMS using the RMS SKU.

The following logic is applied:

- If the Pack Quantity is Null, then the AIP SKU-pack size equals the AIP SKU Order Multiple.
- If the Pack Quantity is not null, then the AIP SKU pack size equals the AIP SKU Pack Quantity.
- If the item is banded, the RMS SKU equals the AIP SKU.

Mapping Table

The following table is used for mapping the RMS SKU to the AIP SKU pack size. This information is sent in the item.txt file. (See comments above):

Mapping table: (examples)

RMS SKU	Order Multiple	Pack Quantity	AIP SKU Pack Size
300	1	(null)	300_1
302	1	12	300_12
303	6	(null)	300_6

Note: RMS truncates fractional pack sizes before sending the data to AIP as AIP cannot handle fractional pack sizes.

Banded items mapping table: (examples)

RMS SKU	Order Multiple	Pack Quantity	AIP SKU-Pack Size
300	1	(null)	300_1
302	1	12	302_12
303	6	(null)	303_6

Note: RMS handles the setting of banded items in item.txt file.

Supplier hierarchy File name: splr.txt

Data Entry	Start	Width	Source
Supplier	1	20	RMS
Supplier Description	21	40	RMS

Warehouse hierarchy File name: whse.txt

Data Entry	Start	Width	Source
Warehouse Chamber	1	20	DM-Online
Warehouse Chamber Description	21	40	DM-Online
Warehouse	61	20	RMS
Warehouse Description	81	40	RMS

Note: RMS sends warehouse chamber values equal to warehouse values.

Measure Data

Overview

AIP receives the following measure files from RMS:

	File Name	Description	Source
1	dm0_pmsstasrc.txt	Store Promotional Substitution Start Date for Warehouse	RMS
2	dm0_pmsendsrc.txt	Store Promotional Substitution End Date for Warehouse	RMS
3	dmx_dscdt_.txt	Corporate Discontinuation Date	RMS
4	dmx_vadprdasc.txt	Value Added Commodity Association	RMS
5	dmx_prdspllks.txt	Commodity-Supplier Links	RMS
6	dmx_bndprdasc.txt	Banded Item Association	RMS
7	dmx_dirspl.txt	Direct Suppliers	RMS
8	sr0_curinv.txt	Store on hand inventory (used to be historical inv)	RMS
9	sr0_it_.txt	Store In transits	RMS
10	sr0_oo_.txt	Store On Orders	RMS
11	sr0_prdlfe.txt	Store Product Life	RMS
12	wr1_curinv.txt	Current WH Inventory (on hand)	RMS
13	wr1_oo_.txt	Warehouse On Orders	RMS
14	wr1_it_.txt	Warehouse In Transits	RMS
15	wr1_ow_.txt	Warehouse Orders in the well	RMS
16	wh_type.txt	Warehouse Type	RMS
17	received_qty.txt	RMS received quantity	RMS*
18	closed_order.txt	RMS closed orders	RMS*

Note: The last files, with *, are files coming from RMS to AIP Online and are NOT loaded into AIP RPAS.

File Format

The Retail Extraction, Transformation, and Loading (RETL) tool provides AIP with the file format displayed in the table below.

> **Note:** Customers who do not have RETL are required to provide files with this same format.

Store Promotional Substitution Start Date for Warehouse Data

File Name: dm0_pmsstasrc.txt

Field Name	Type	Start	Width	Source/Comments
Warehouse	String	1	20	RMS
RMS SKU (Promotional)	String	21	20	AIP will get the Store from store source measure.
Order Multiple	String	41	4	
Store Promotional Substitution Start Date	YYYYMMDD	45	8	

Store Promotional Substitution End Date for Warehouse Data

File Name: dm0_pmsendsrc.txt

Field Name	Type	Start	Width	Source/Comments
Warehouse	String	1	20	RMS
RMS sku (Promotional)	String	21	20	AIP will get the store value from the store source measure.
Order Multiple	String	41	4	
Store Promotional Substitution End Date	YYYYMMDD	45	8	

Corporate Discontinuation Date Data

File Name: dmx_dscdt_.txt

Field Name	Type	Start	Width	Source/Comments
RMS sku	String	1	20	RMS
Order Multiple	String	21	4	RMS will send today's date. AIP will set the ranging status at all supply locations to pending-deranged as well as initialize the stop-receiving-dates at all warehouses
Corporate Discontinuation Date	YYYYMMDD	25	8	

Value Added Commodity Association
File Name: dmx_vadprdasc.txt

Field Name	Type	Start	Width	Source/Comments
RMS sku (child)	String	1	20	RMS
Order Multiple	String	21	4	
RMS sku (parent)	String	25	20	
Order Multiple	String	45	4	

Commodity-Supplier Links
File Name: dmx_prdspllks.txt

Field Name	Type	Start	Width	Source/Comments
Supplier	String	1	20	RMS
RMS sku	String	21	20	
Order Multiple	String	41	4	
SKU Supplier Links	Boolean	45	1	

Banded Item Association
File Name: dmx_bndprdasc.txt

Field Name	Type	Start	Width	Source/Comments
RMS SKU (child)	String	1	20	RMS
Order Multiple	String	21	4	
RMS SKU (parent)	String	25	20	
Order Multiple	String	45	4	

Direct Suppliers
File Name: dmx_dirspl.txt

Field Name	Type	Start	Width	Source/Comments
Supplier	String	1	20	RMS
Direct Supplier	Boolean	21	1	

Store Current Inventory Data

File Name: sr0_curinv_*.txt

Field Name	Type	Start	Width	Source/Comments
Store	String	1	20	RMS
RMS SKU	String	21	20	Order Multiple value is always one (1).
Store current inventory	Float	41	8	

Note: RMS can also send the Store Current Inventory file in partitions. For example, AIP interface code can handle sr0_curinv_n.txt where n is the partition number.

Store In Transits Data

File Name: sr0_it_.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
Store	String	10	20	
RMS sku	String	30	20	
Order Multiple	String	50	4	
Store In Transits	Float	54	8	

Store On Orders Data

File Name: sr0_oo_.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
Store	String	10	20	RMS will send today's date with sum of all previous # of days values.
RMS sku	String	30	20	
Order Multiple	String	50	4	
Store On Orders	Float	54	8	

Store Product Life Data

File Name: sr0_prdlfe.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
RMS sku	String	10	20	
Order Multiple	String	30	4	
Store Product Life	Float	34	8	

Current Warehouse Inventory Data

File Name: wr1_curinv.txt

Field Name	Type	Start	Width	Source/Comments
Warehouse	String	1	20	RMS
RMS SKU	String	21	20	
Order Multiple	String	41	4	
Current Warehouse Inventory	Float	45	8	

Note: RMS can also send the Warehouse Current Inventory file in partitions. For example, AIP interface code can handle wr1_curinv_n.txt where n is the partition number.

On Orders Data

File Name: wr1_oo_.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
Supplier	String	10	20	RMS will send today's date with sum of all previous # of days values.
Warehouse	String	30	20	
RMS SKU	String	50	20	
Order Multiple	String	70	4	
On Orders	Float	74	8	

In Transit Data

File Name: wr1_it_.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
Supplier	String	10	20	
Warehouse	String	30	20	
RMS SKU	String	50	20	
Order Multiple	String	70	4	
In Transit	Float	74	8	

Orders in the Well Data
File Name: wr1_ow_.txt

Field Name	Type	Start	Width	Source/Comments
Day	DYYYYMMDD	1	9	RMS
Warehouse	String	10	20	RMS will send today's date with sum of all pervious # of days values.
RMS SKU	String	30	20	
Order Multiple	String	50	4	
Orders in the Well	Float	54	8	

RMS received quantity Data
File Name: received_qty.txt

Field Name	Type	Start	Width	Source/Comments
Order Number	Integer	1	10	RMS
Order Type	String	11	1	
RMS SKU	String	12	25	
Order Multiple	Integer	37	8	
Pack Quantity	Integer	45	8	
Store	Integer	53	10	
Warehouse	Integer	63	10	
Received Date	Date	73	8	
Quantity	Integer	81	8	

RMS closed orders Data
File Name: closed_order.txt

Field Name	Type	Start	Width	Source/Comments
Order Number	Integer	1	10	RMS
Order Type	String	11	1	

File Format Including Mapping to AIP Measure Format

Store Promotional Substitution Start Date for Warehouse Data
File Name: dm0_pmsstasrc.txt

RMS Field	Start	Width	AIP Field	Start	Width
Warehouse	1	20	Store	1	20
RMS SKU	21	20	Warehouse	21	20
Order Multiple	41	4	SKU	41	20
Store Promo Subs Start Date	45	8	Store Promo Subs Start Date	61	8

Store Promotional Substitution End Date for Warehouse Data
File Name: dm0_pmsendsrc.txt

RMS Field	Start	Width	AIP Field	Start	Width
Warehouse	1	20	Store	1	20
RMS SKU	21	20	Warehouse	21	20
Order Multiple	41	4	SKU	41	20
Store Promo. Subs. Date	45	8	Store Promo. Subs. Date	61	8

Corporate Discontinuation Date Data
File Name: dmx_dscdt_.txt

RMS Field	Start	Width	AIP Field	Start	Width
RMS SKU	1	20	Commodity-Pack Size	1	20
Order Multiple	21	4			
Corp Disc. date	25	8	Corp. Disc. Date	21	8

Value Added Association
File Name: dmx_vadprdasc.txt

RMS Field	Start	Width	AIP Field	Start	Width
RMS sku (child)	1	20	SKU (child)	1	20
Order Multiple	21	4			
RMS sku (parent)	25	20	SKU (parent)	21	24
Order Multiple	45	4			

Commodity Supplier Links
File Name: dmx_prdspllks.txt

RMS Field	Start	Width	AIP Field	Start	Width
Supplier	1	20	Supplier	1	20
RMS SKU	21	20	Commodity-Pack Size	21	20
Order Multiple	41	4			
SKU Supplier Links	45	1	Commodity-Supplier Links	41	1

Banded Item Association:
File Name: dmx_bndprdasc.txt

RMS Field	Start	Width	AIP Field	Start	Width
RMS sku (child)	1	20	SKU (child)	1	20
Order Multiple	21	4			
RMS sku (parent)	25	20	SKU (parent)	21	24
Order Multiple	45	4			

Direct Suppliers
File Name: dmx_dirspl.txt

RMS Field	Start	Width	AIP Field	Start	Width
Supplier	1	20	Supplier	1	20
Direct Supplier	21	1	Direct Supplier	21	1

Store Current Inventory Data
File Name: sr0_curinv_*.txt

RMS Field	Start	Width	AIP Field	Start	Width
Store	1	20	Store	1	20
RMS SKU	21	20	SKU	21	20
Store current inventory	41	8	Store Current Inventory	41	8

Store In Transit Data
File Name: sr0_it_.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
Store	10	20	Store	10	20
RMS SKU	30	20	SKU	30	20
Order Multiple	50	4			
Store In Transits	54	8	Store Intransits	50	8

Store On Orders Data
File Name: sr0_oo_.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
Store	10	20	Store	10	20
RMS SKU	30	20	SKU	30	
Order Multiple	50	4			
Store Orders	54	8	Store Orders	50	8

Store Product Life Data
File Name: sr0_prdlfe.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
RMS SKU	10	20	SKU	10	20
Order Multiple	30	4			
Store Product Life	34	8	Store Product Life	30	8

Current Warehouse Inventory Data
File Name: wr1_curinv.txt

RMS Field	Start	Width	AIP Field	Start	Width
Warehouse	1	20	Warehouse	1	20
RMS SKU	21	20	Commodity-Pack Size	21	20
Order Multiple	41	4			
Current Warehouse Inventory	45	8	Current Warehouse Inventory	41	8

On Orders Data
File Name: wr1_oo_.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
Supplier	10	20	Supplier	10	20
Warehouse	30	20	Warehouse	30	20
RMS SKU	50	20	Commodity-Pack Size	50	20
Order Multiple	70	4			
On Orders	74	8	On Orders	70	8

In Transit Data
File Name: wr1_it_.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
Supplier	10	20	Supplier	10	20
Warehouse	30	20	Warehouse	30	20
RMS SKU	50	20	Commodity-Pack Size	50	20
Order Multiple	70	4			
In Transit	74	8	In Transit	70	8

Orders In the Well Data
File Name: wr1_ow_.txt

RMS Field	Start	Width	AIP Field	Start	Width
Day	1	9	Day	1	9
Warehouse	10	20	Warehouse	10	20
RMS SKU	30	20	Commodity-Pack Size	30	20
Order Multiple	50	4			
Orders in the Well	54	8	Orders in the Well	50	8

Unavailable Warehouse Inventory
File Name: wr1_thldstk.txt

RMS Field	Start	Width	AIP Field	Start	Width
Warehouse	1	20	Warehouse	1	20
RMS SKU*	21	20	Commodity-Pack Size	21	20
Unavailable quantity	41	8	Unavailable quantity	41	8

Overview

AIP requires the following text files that need to be processed from an external system.

The list of text files that needs to be processed by the merchandising system are:

- Closed POs
- Item Sale
- Item Supplier
- Location Mapping
- Received Qty
- Store Current Inv
- Store Product Life
- Substitute Items
- Supplier
- Warehouse Current Inv
- Warehouse
- Item

In this guide we explain about how to extract the text files from RMS into AIP.

We use shell scripts, RETL scripts and merging and transformation of data from various tables in RMS to get the desired text files.

> **Note:** Implementers can use these below mentioned mapping information steps to extract data from any other Merchandizing system with minimal customization.

RMS-AIP Closed Purchase Orders Mapping

Transformation Overview

No transformation is required for Closed Purchase Orders and Transfers feed. Extract program directly produces file closed_order.dat required by AIP.

Data Element Details

Data Type	Data Element Name	Data Description
N/A This data is not loaded into RPAS. It is loaded directly into an Oracle table.	Closed Purchase Orders	Contains Closed Purchase Orders and Transfers numbers.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_cl_po.ksh
Schema File	rmse_aip_cl_po.shcema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed length Text File
Source Table(s)/File(s)	ORDHEAD and TSFHEAD	Target Object Name	closed_order.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ORDHEAD TSFHEAD	SUPPLIER FROM_LOC	Supplier Warehouse	Number	(8,0)
2	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

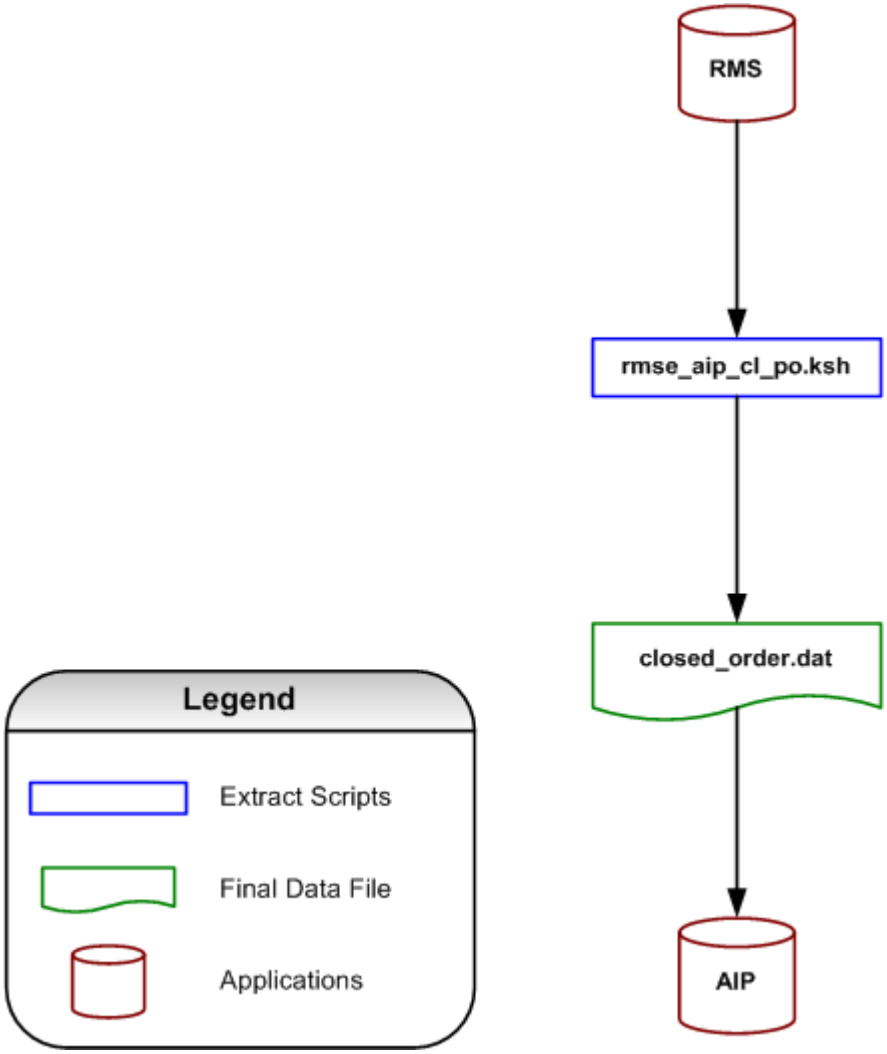
#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ORDER_NUMBER	Order Number	int	10	N/A
2	ORDER_TYPE	Order Type	string	1	Hard coded as 'P' for the records from ORDHEAD for POs and 'T' for the records from TSFHEAD for Transfers.

Filtering Conditions

```
(oh.CLOSE_DATE IS NOT NULL) AND (oh.ORIG_IND='6') AND (oh.CLOSE_DATE >
to_date(${LAST_EXTR_CLOSED_POT_DATE},'yyyymmdd'))
```

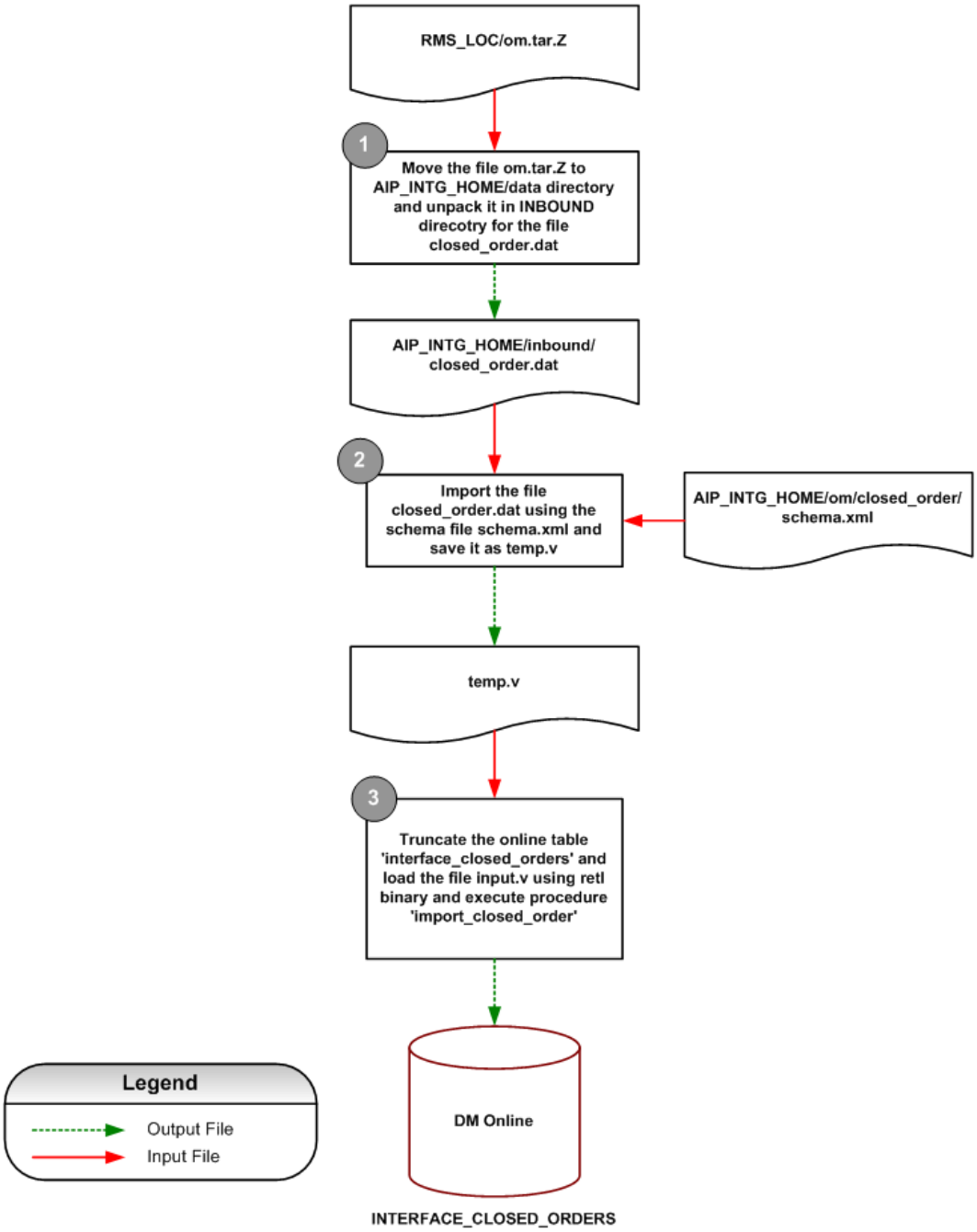
```
(tsf.CLOSE_DATE IS NOT NULL) AND (tsf.TSF_TYPE = 'AIP') AND (tsf.CLOSE_DATE >
to_date(${LAST_EXTR_CLOSED_POT_DATE},'yyyymmdd'))
```

Closed Orders Data Flow



Closed Orders Data Flow Diagram

Closed Order – Online Load Process



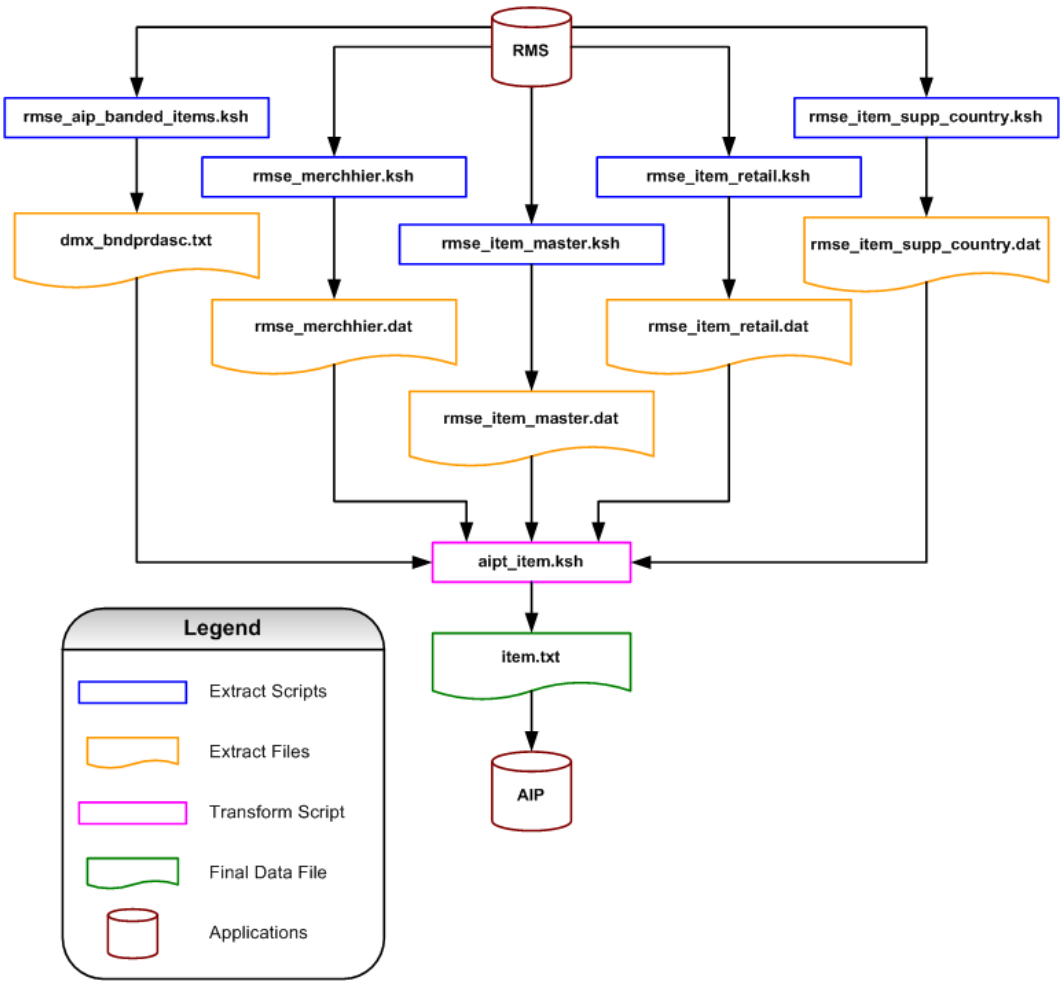
Closed Order – Online Load Process Diagram

RMS-AIP Item Mapping

Transformation Overview

A new AIP transformation program, aipt_item.ksh, will first join the item master and item supplier country extracts, followed by merging the result with the item retail extracts, and then join the result to merchandise hierarchy extract and then join the result to banded item extract to produce final item file item.txt.

Item Data Flow



Item Data Flow Diagram

Banded Item Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	RMS banded item data	Contains banded items information like promotional items.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_banded_items.ksh
Schema File	rmse_aip_dmx_bndprdasc.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER V_PACKSKU_QTY ITEM_SUPP_COUNTRY	Target Object Name	dmx_bndprdasc.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	V_PACKSKU_QTY	PACK_NO	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)
3	ITEM_MASTER	ITEM	Item	Varchar2	25
4	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	PROMOTIONAL_SKU	Promotional Item	String	20	N/A
2	PROMOTIONAL_ORDER_MULTIPLE	Promotional Order Multiple	int	4	N/A
3	STANDARD_SKU	Standard SKU	String	20	N/A
4	STANDARD_ORDER_MULTIPLE	Standard SKU Order Multiple	int	4	N/A

Filtering Conditions

```
im1.BANDED_ITEM_IND = 'Y'AND im1.INVENTORY_IND ='Y'AND im1.ITEM = vpq.ITEM AND
im1.STATUS = 'A' AND im2.ITEM = vpq.PACK_NO AND im2.STATUS = 'A' AND
(im2.SIMPLE_PACK_IND = 'Y' AND im2.item IN (SELECT pm.pack_no FROM item_master
im1, packitem pm WHERE pm.item = im1.item AND im1.forecast_ind = 'Y')) AND
im1.ITEM = isc1.ITEM AND isc1.PRIMARY_COUNTRY_IND = 'Y'AND isc1.PRIMARY_SUPP_IND =
'Y' AND im2.ITEM = isc2.ITEM AND isc2.PRIMARY_COUNTRY_IND = 'Y' AND
isc2.PRIMARY_SUPP_IND = 'Y'
```

Merchandise Hierarchy Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Merchandise Hierarchy	Contains Merchandise hierarchy information.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_merchhier.ksh
Schema File	rmse_aip_merchhier.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUBCLASS, CLASS, DEPS, GROUPS, DIVISON, COMPHEAD	Target Object Name	rmse_aip_merchhier.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUBCLASS	SUBCLASS	Subclass	Number	(4,0)
2	SUBCLASS	SUB_NAME	Subclass Name	Varchar2	20
3	SUBCLASS	CLASS	Class	Number	(4,0)
4	CLASS	CLASS_NAME	Class Name	Varchar2	20
5	CLASS	DEPT	Department	Number	(4,0)
6	DEPS	DEPT_NAME	Department Name	Varchar2	20
7	DEPS	GROUP_NO	Group	Number	(4,0)
8	GROUPS	GROUP_NAME	Group Name	Varchar2	20
9	GROUPS	DIVISON	Division	Number	(4,0)
10	DIVISON	DIV_NAME	Division Name	Varchar2	20
11	COMPHEAD	COMPANY	Company	Number	(4,0)
12	COMPHEAD	CO_NAME	Company Name	Varchar2	20
13	DEPS	PURCHASE_TYPE	Purchase Type	Number	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	SUBCLASS	Subclass	int	5	N/A
2	SUB_NAME	Subclass Name	string	20	N/A
3	CLASS	Class	int	5	N/A
4	CLASS_NAME	Class Name	string	20	N/A
5	DEPT	Department	int	5	N/A
6	DEPT_NAME	Department Name	string	20	N/A
7	GROUP_NO	Group	int	5	N/A
8	GROUP_NAME	Group Name	string	20	N/A
9	DIVISION	Division	int	5	N/A
10	DIV_NAME	Division Name	string	20	N/A
11	COMPANY	Company	int	5	N/A
12	CO_NAME	Company Name	string	20	N/A
13	PURCHASE_TYPE	Purchase Type	int	1	N/A

Filtering Conditions

```
sc.CLASS=c.CLASS AND sc.DEPT=dp.DEPT AND c.DEPT=dp.DEPT AND dp.GROUP_NO=g.GROUP_NO
AND g.DIVISION=dv.DIVISION
```

Item Master Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Data	Contains RMS item, pack, supplier, and supplier pack size etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_master.ksh
Schema File	rmse_aip_item_master.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, UOM_CLASS, CODE_DETAIL, V_PACKSKU_QTY, PACKITEM	Target Object Name	rmse_aip_item_master.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_MASTER	ITEM	Item	Varchar2	25
2	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
3	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
4	ITEM_MASTER	ITEM_PARENT	Item Parent	Varchar2	25
5	ITEM_MASTER	ITEM_GRANDPARENT	Item Grandparent	Varchar2	25
6	V_PACKSKU_QTY ITEM_MASTER	ITEM	Item	Varchar2	25
7	ITEM_MASTER	SUBCLASS	Subclass	Number	4
8	ITEM_MASTER	CLASS	Class	Number	4
9	ITEM_MASTER	DEPT	Department	Number	4
10	ITEM_MASTER	FORECAST_IND	Forecastable Indicator	Varchar2	1

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
11	ITEM_SUPPLIER	SUPPLIER	Supplier	Number	(10,0)
12	ITEM_SUPPLIER	PRIMARY_SUP_IND	Primary Supplier Indicator	Varchar2	1
13	ITEM_MASTER	STANDARD_UOM	Standard UOM	Varchar2	4
14	UOM_CLASS	UOM_DESC	Standard UOM Description	Varchar2	20
15	ITEM_MASTER	HANDLING_TEMP	SKU Handling Temperature	Varchar2	6
16	CODE_DETAIL	CODE_DESC	SKU Handling Temperature Description	Varchar2	40
17	V_PACKSKU_QTY	QTY	Pack Quantity	Number	(12,4)
18	ITEM_MASTER	PACK_IND	Package Indicator	Varchar2	1
19	ITEM_MASTER	SIMPLE_PACK_IND	Simple Pack Indicator	Varchar2	1
20	ITEM_MASTER	ITEM_LEVEL	Item Level	Number	(1,0)
21	ITEM_MASTER	TRAN_LEVEL	Transaction Level	Number	(1,0)
22	ITEM_MASTER	RETAIL_LABEL_TYPE	Retail Label Type	Varchar2	6
23	ITEM_MASTER	BANDED_ITEM_IND	Banded Item Indicator	Varchar2	1
24	ITEM_MASTER	CATCH_WEIGHT_IND	Catch Weight Indicator	Varchar2	1
25	ITEM_MASTER	SELLABLE_IND	Sellable Indicator	Varchar2	1
26	ITEM_MASTER	ORDERABLE_IND	Orderable Indicator	Varchar2	1
27	ITEM_MASTER	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	Varchar2	6

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	ITEM_DESC	Item Description	String	100	N/A
3	RMS_SKU_DESCRIPTION	RMS SKU Description	String	60	SUBSTR (item_master. ITEM_DESC,1,60)
4	ITEM_PARENT	Item Parent	String	25	N/A
5	ITEM_GRANDPARENT	Item Grandparent	String	25	N/A
6	AIP_SKU	AIP SKU	String	25	NVL (v_packsku_qty. ITEM, item_master.ITEM)
7	SUBCLASS	Subclass	int	5	N/A
8	CLASS	Class	int	5	N/A
9	DEPT	Department	int	5	N/A

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
10	FORECAST_IND	Forecastable Indicator	String	1	N/A
11	SUPPLIER	Supplier	int	11	N/A
12	PRIMARY_SUPP_IND	Primary Supplier Indicator	String	1	N/A
13	STANDARD_UOM	Standard UOM	String	4	N/A
14	STANDARD_UOM _DESCRIPTION	Standard UOM Description	String	20	N/A
15	SKU_TYPE	SKU Type	String	6	NVL (item_master. HANDLING_TEMP, 0)
16	SKU_TYPE_DESCRIPTION	SKU Type Description	String	40	NVL (code_detail. CODE_DESC, 0)
17	PACK_QUANTITY	Pack Component Quantity	int	4	NVL (v_packsku_qty.QTY, 0)
18	PACK_IND	Pack Indicator	String	1	N/A
19	SIMPLE_PACK_IND	Simple Pack Indicator	String	1	N/A
20	ITEM_LEVEL	Item Level	int	1	N/A
21	TRAN_LEVEL	Transaction Level	int	1	N/A
22	RETAIL_LABEL_TYPE	Retail Label Type	String	6	N/A
23	BANDED_ITEM_IND	Banded Item Indicator	String	1	DECODE (item_master. BANDED_ITEM_IND, 'Y', '1', '0')
24	CATCH_WEIGHT_IND	Catch Weight Indicator	String	1	N/A
25	SELLABLE_IND	Sellable Indicator	String	1	N/A
26	ORDERABLE_IND	Orderable Indicator	String	1	N/A
27	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	String	6	N/A

Filtering Conditions

```
im.ITEM = isup.ITEM AND im.ITEM = p.PACK_NO (+) AND im.STANDARD_UOM=uc.UOM AND
im.HANDLING_TEMP=cd.CODE(+) AND im.STATUS='A' AND im.INVENTORY_IND ='Y' AND
((im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y') OR (im.SIMPLE_PACK_IND = 'Y' AND
im.item IN (SELECT pm.pack_no FROM item_master im1, packitem pm WHERE pm.item =
im1.item AND im1.forecast_ind = 'Y' AND im1.aip_case_type = 'F')))
```

Purged Items Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Data	Contains RMS item, pack, supplier, and supplier pack size etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_master.ksh
Schema File	rmse_aip_purged_item.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	DAILY_PURGE	Target Object Name	rmse_aip_purged_item.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	DAILY_PURGE	KEY_VALUE	Purged Key Items	Varchar2	25

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	string	25	N/A

Filtering Conditions

```
TABLE_NAME = 'ITEM_MASTER'
```

Item Retail Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Retail	Contains item, pack, supplier information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_retail.ksh
Schema File	rmse_aip_item_retail.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, UOM_CLASS, V_PACK_SKU_QTY, CODE_DETAIL	Target Object Name	rmse_aip_item_retail.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_MASTER	ITEM	Item	Varchar2	25
2	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
3	ITEM_MASTER	ITEM	Item	Varchar2	25
4	ITEM_MASTER	SUBCLASS	Subclass	Number	4
5	ITEM_MASTER	CLASS	Class	Number	4
6	ITEM_MASTER	DEPT	Department	Number	4
7	ITEM_MASTER	STANDARD_UOM	Standard UOM	Varchar2	4
8	UOM_CLASS	UOM_DESC	UOM Description	Varchar2	20
9	ITEM_MASTER	HANDLING_TEMP	Handling Temperature	Varchar2	6
10	CODE_DETAIL	CODE_DESC	Handling Temperature Description	Varchar2	40
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
13	ITEM_MASTER	BANDED_ITEM_IND	Banded Item Indicator	Varchar2	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	string	25	N/A
2	RMS_SKU_DESCRIPTION	Item Description	string	60	SUBSTR(im.ITEM_DESC,1,60)
3	AIP_SKU	Item	string	25	N/A
4	SUBCLASS	Subclass	int	5	N/A
5	CLASS	Class	int	5	N/A
6	DEPT	Department	int	5	N/A
7	STANDARD_UOM	Standard UOM	string	4	N/A
8	STANDARD_UOM _DESCRIPTION	UOM Description	string	20	N/A
9	SKU_TYPE	SKU Type	string	6	N/A
10	SKU_TYPE_DESCRIPTION	SKU Type Description	string	40	N/A
11	ORDER_MULTIPLE	Order Multiple	int	4	Hardcoded as "1"
12	PACK_QUANTITY	Pack Quantity	int	4	Hardcoded as "0"
13	BANDED_ITEM_IND	Banded Item Indicator	string	1	DECODE (im.BANDED_ITEM_IND, 'Y', '1', '0')

Filtering Conditions

```
im.ITEM = isup.ITEM AND im.STANDARD_UOM=uc.UOM AND im.HANDLING_TEMP=cd.CODE(+) AND
isup.ITEM=isc.ITEM AND isup.SUPPLIER=isc.SUPPLIER AND im.PACK_IND='N'AND
isc.SUPP_PACK_SIZE>1 AND im.STATUS='A' AND im.ITEM_LEVEL=im.TRAN_LEVEL AND
im.FORECAST_IND = 'Y' AND im.INVENTORY_IND = 'Y'
```

Item Supplier Country Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Supplier Pack Size information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	rmse_aip_item_supp_country.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY	Target Object Name	rmse_aip_item_supp_country.dat / aip_dmx_prdspllks.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier	Number	(12,4)
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE QTY	Supplier Pack Size Inner Pack Size Quantity	Varchar2	25
4	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE	Primary Supplier Indicator	Number	(12,4)

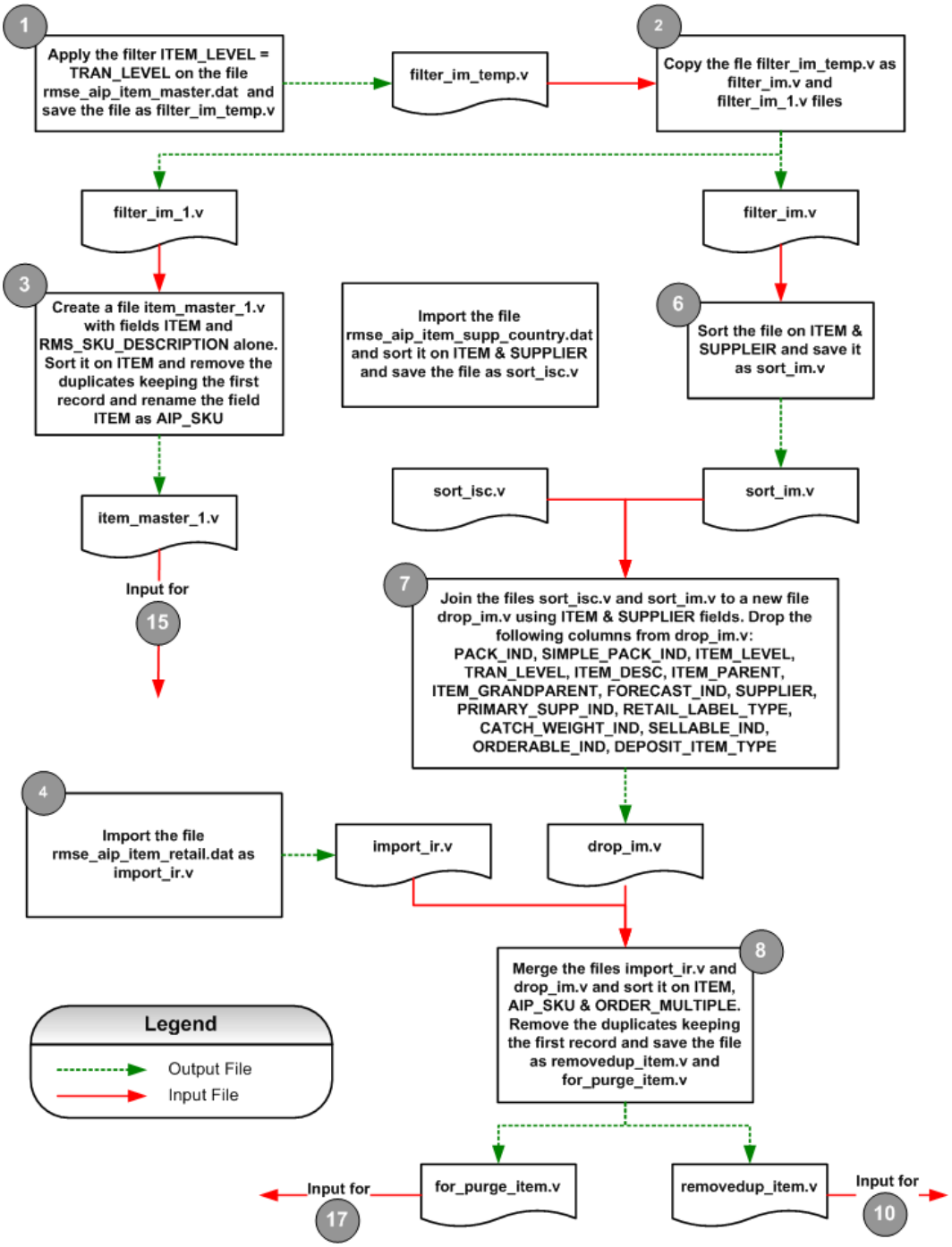
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	PRIMARY_SUPP_IIND	Primary Supplier Indicator	String	1	N/A

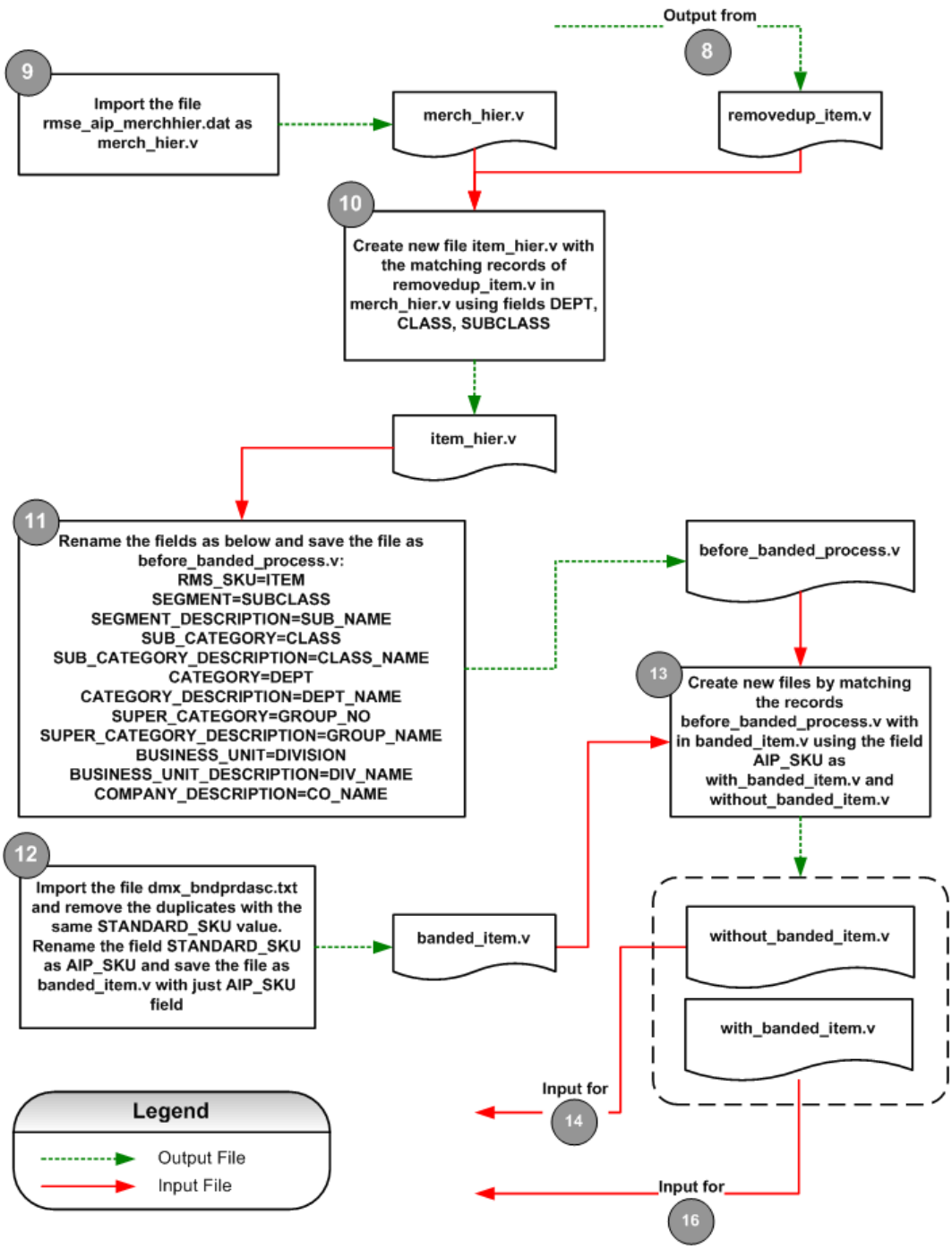
Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' AND
isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd')
```

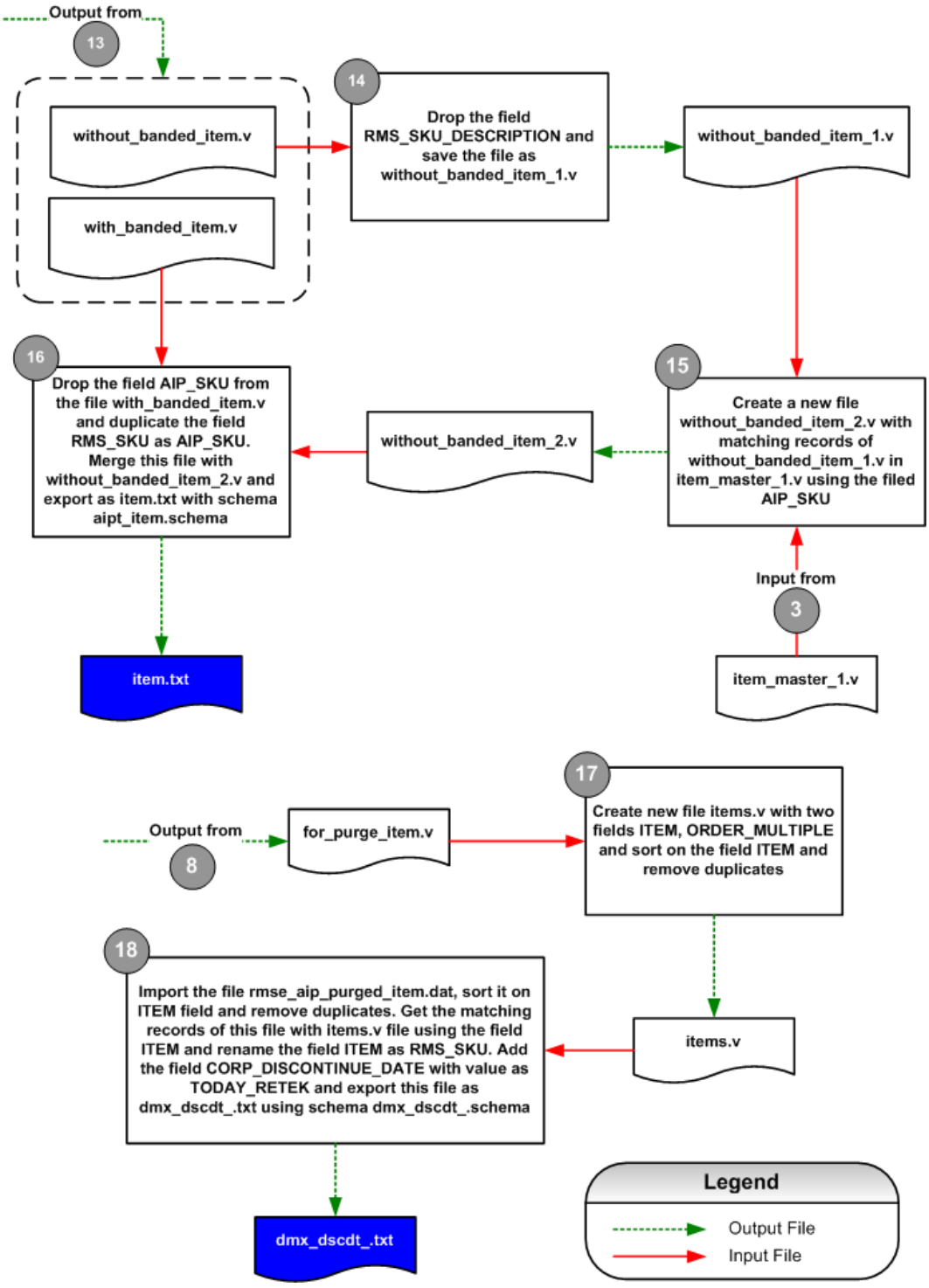
Transformation Process – Item



Item Transformation Process Diagram (1 of 3)



Item Transformation Process Diagram (2 of 3)



Item Transformation Process Diagram (3 of 3)

Final item.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Hierarchy	Contains RMS item, pack, supplier and supplier pack size information.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_item.ksh
Schema File	aipt_item.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY, UOM_CLASS, CODE_DETAIL, PACKITEM	Target Object Name	item.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_MASTER	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size/ Inner Pack Size/ Quantity	Number	(12,4)
3	V_PACKSKU_QTY	QTY	Pack Quantity	Number	(12,4)
4	ITEM_MASTER	ITEM	Item	Varchar2	25
5	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
6	ITEM_MASTER	BANDED_ITEM_IND	Banded Item Indicator	Varchar2	1
7	SUBCLASS	SUBCLASS	Subclass	Number	(4,0)
8	SUBCLASS	SUB_NAME	Subclass Name	Varchar2	20
9	SUBCLASS	CLASS	Class	Number	(4,0)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
10	CLASS	CLASS_NAME	Class Name	Varchar2	20
11	CLASS	DEPT	Department	Number	(4,0)
12	DEPS	DEPT_NAME	Department Name	Varchar2	20
13	DEPS	GROUP_NO	Group	Number	(4,0)
14	GROUPS	GROUP_NAME	Group Name	Varchar2	20
15	GROUPS	DIVISION	Division	Number	(4,0)
16	DIVISON	DIV_NAME	Division Name	Varchar2	20
17	COMPHEAD	COMPANY	Company	Number	(4,0)
18	COMPHEAD	CO_NAME	Company Name	Varchar2	20
19	ITEM_MASTER	STANDARD_UOM	Standard UOM	Varchar2	4
20	UOM_CLASS	UOM_DESC	Standard UOM Description	Varchar2	20
21	ITEM_MASTER	HANDLING_TEMP	SKU Handling Temperature	Varchar2	6
22	CODE_DETAIL	CODE_DESC	SKU Handling Temperature Description	Varchar2	40

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	AIP_SKU	AIP SKU	string	20	N/A
2	ORDER_MULTIPLE	Order Multiple	int	4	N/A
3	PACK_QUANTITY	Pack Size	int	4	N/A
4	RMS_SKU	RMS SKU	string	20	N/A
5	RMS_SKU_DESCRIPTION	RMS SKU Description	string	60	N/A
6	BANDED_ITEM_IND	Banded Item Indicator	string	1	N/A
7	SEGMENT	Segment	int	20	N/A
8	SEGMENT_DESCRIPTION	Segment Name	string	60	N/A
9	SUB_CATEGORY	Sub Category	int	20	N/A
10	SUB_CATEGORY_DESCRIPTION	Sub Category Name	string	60	N/A
11	CATEGORY	Category	int	20	N/A
12	CATEGORY_DESCRIPTION	Category Name	string	60	N/A
13	SUPER_CATEGORY	Super Category	int	20	N/A
14	SUPER_CATEGORY_DESCRIPTION	Super Category Name	string	60	N/A
15	BUSINESS_UNIT	Business Unit	int	20	N/A

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
16	BUSINESS_UNIT_DESCRIPTION	Business Unit Description	string	60	N/A
17	COMPANY	Company	int	20	N/A
18	COMPANY_DESCRIPTION	Company Name	string	60	N/A
19	SKU_TYPE	SKU Type	string	20	N/A
20	SKU_TYPE_DESCRIPTION	SKU Type Description	string	100	N/A

Filter Conditions

See the Transformation Process – Item.

Final dmx_dscdt_.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Corporate Discontinued Data	Contains RMS item, pack, supplier and supplier pack size information.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_item.ksh
Schema File	dmx_dscdt_.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, DAILY_PURGE, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY, SYSTEM_VARIABLES	Target Object Name	dmx_dscdt_.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	DAILY_PURGE	KEY_VALUE	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size Inner Pack Size Quantity	Number	(12,4)
3	SYSTEM_VARIABLES	VDATE	Current Retek Date	Date	

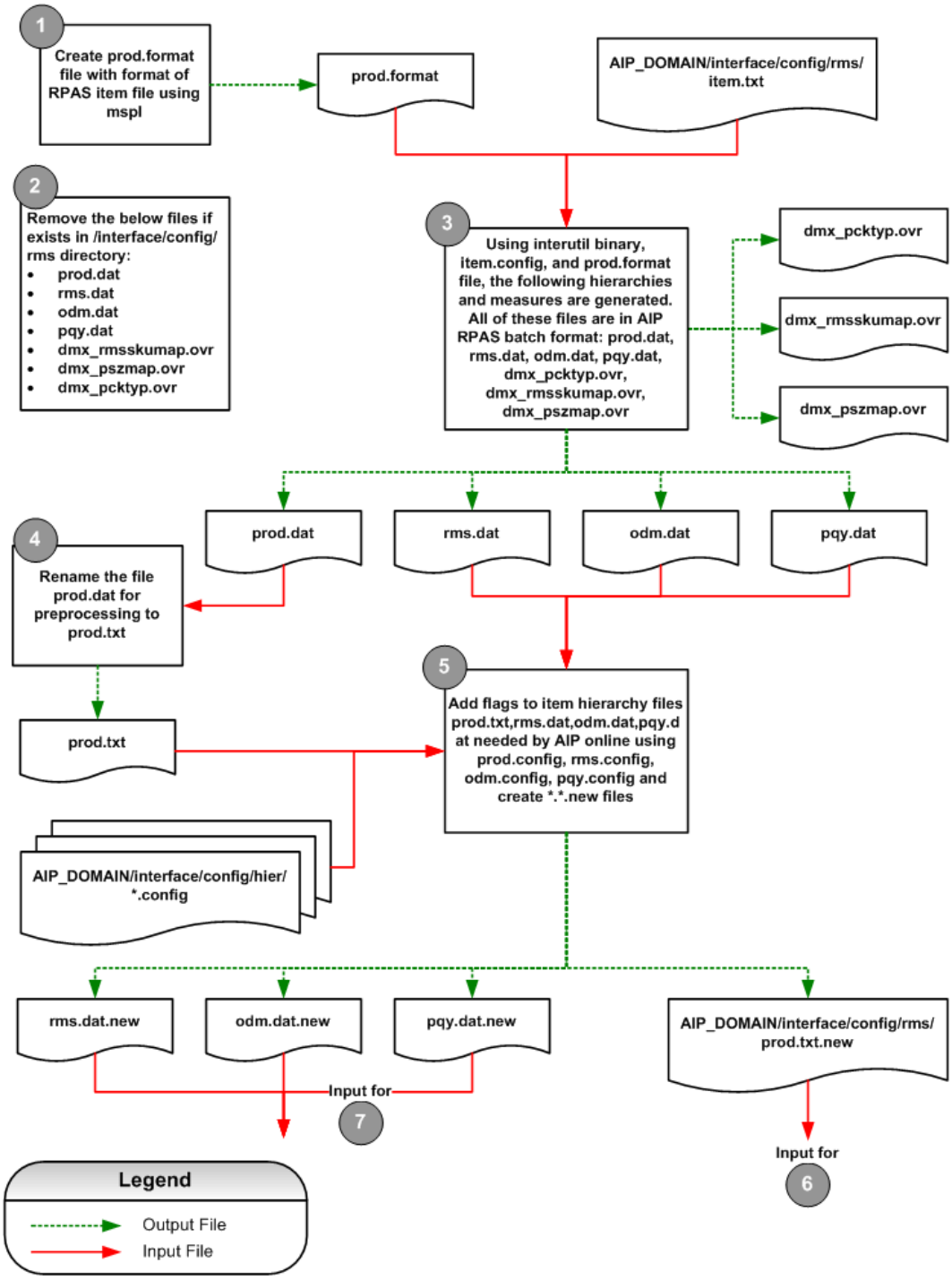
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	RMS_SKU	RMS SKU	string	20	N/A
2	ORDER_MULTIPLE	Order Multiple	int	4	N/A
3	CORPORATE_DISCONTINUE _DATE	Corporate Discontinuation Date	Date	8	N/A

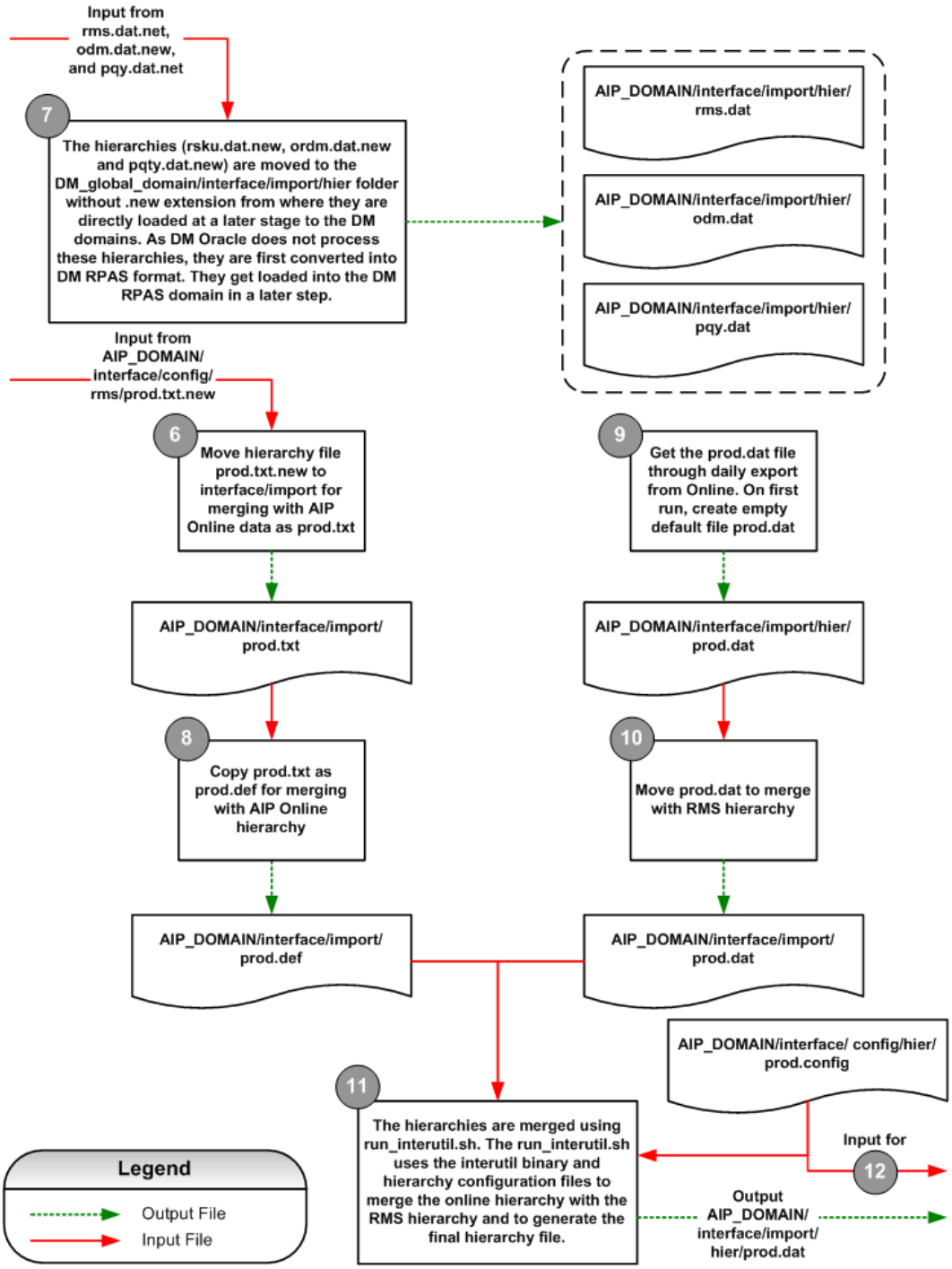
Filtering Conditions

None.

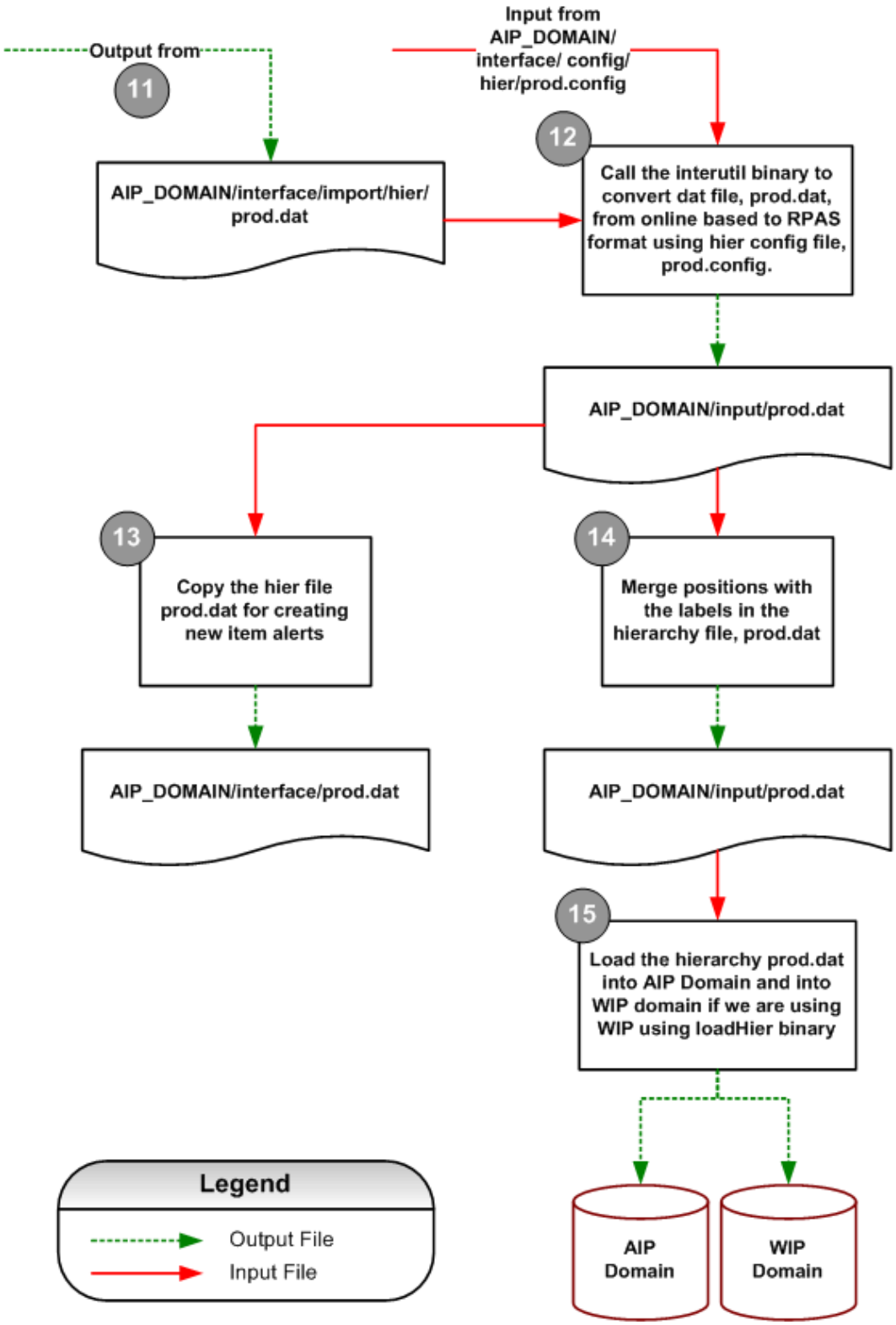
Item Load Process into AIP RPAS



Item Load Process into AIP RPAS (Diagram 1 of 3)

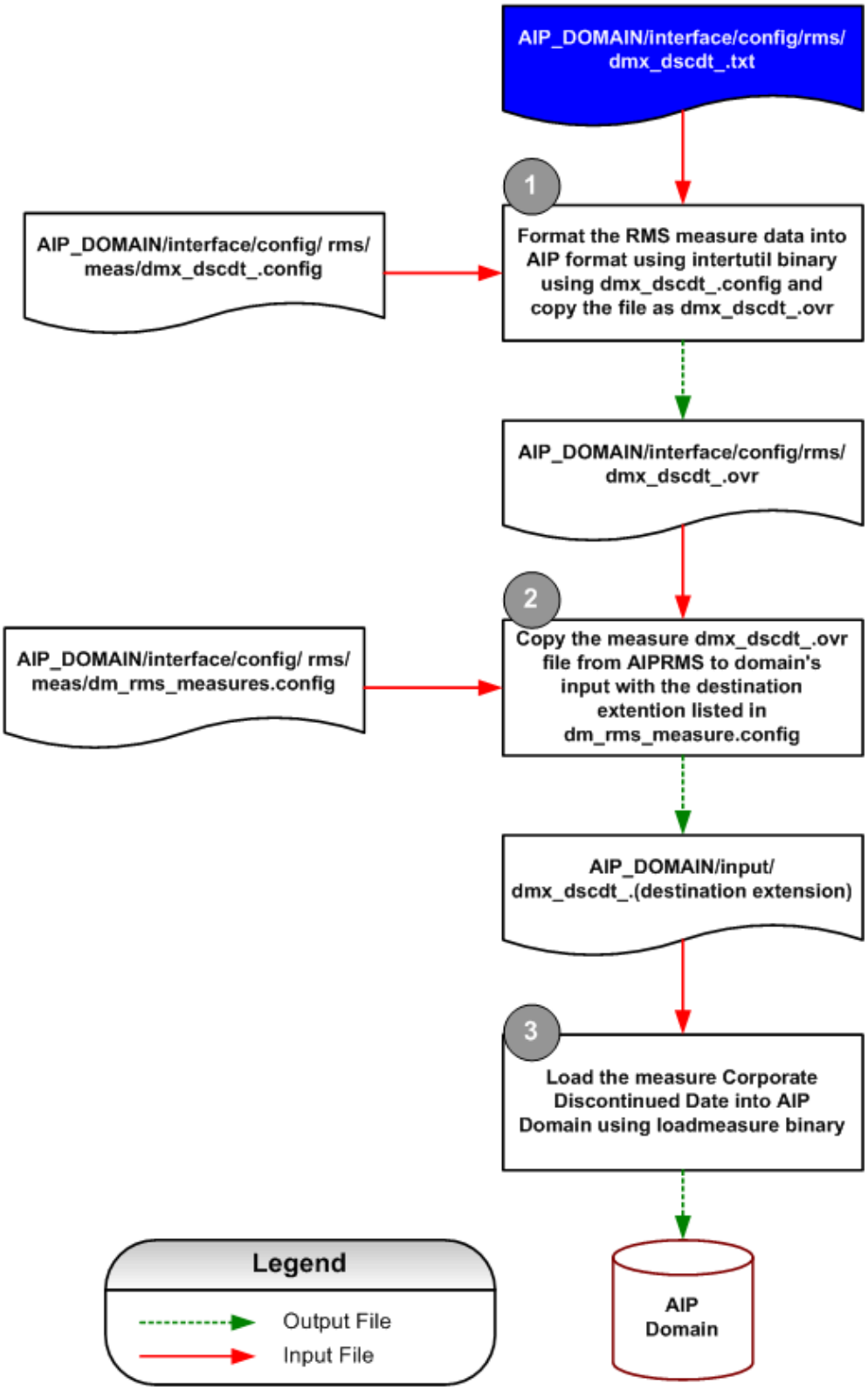


Item Load Process into AIP RPAS (Diagram 2 of 3)



Item Load Process into AIP RPAS (Diagram 3 of 3)

Corporate Discontinued Date – AIP Load Process



Corporate Discontinued Date AIP Load Process Diagram

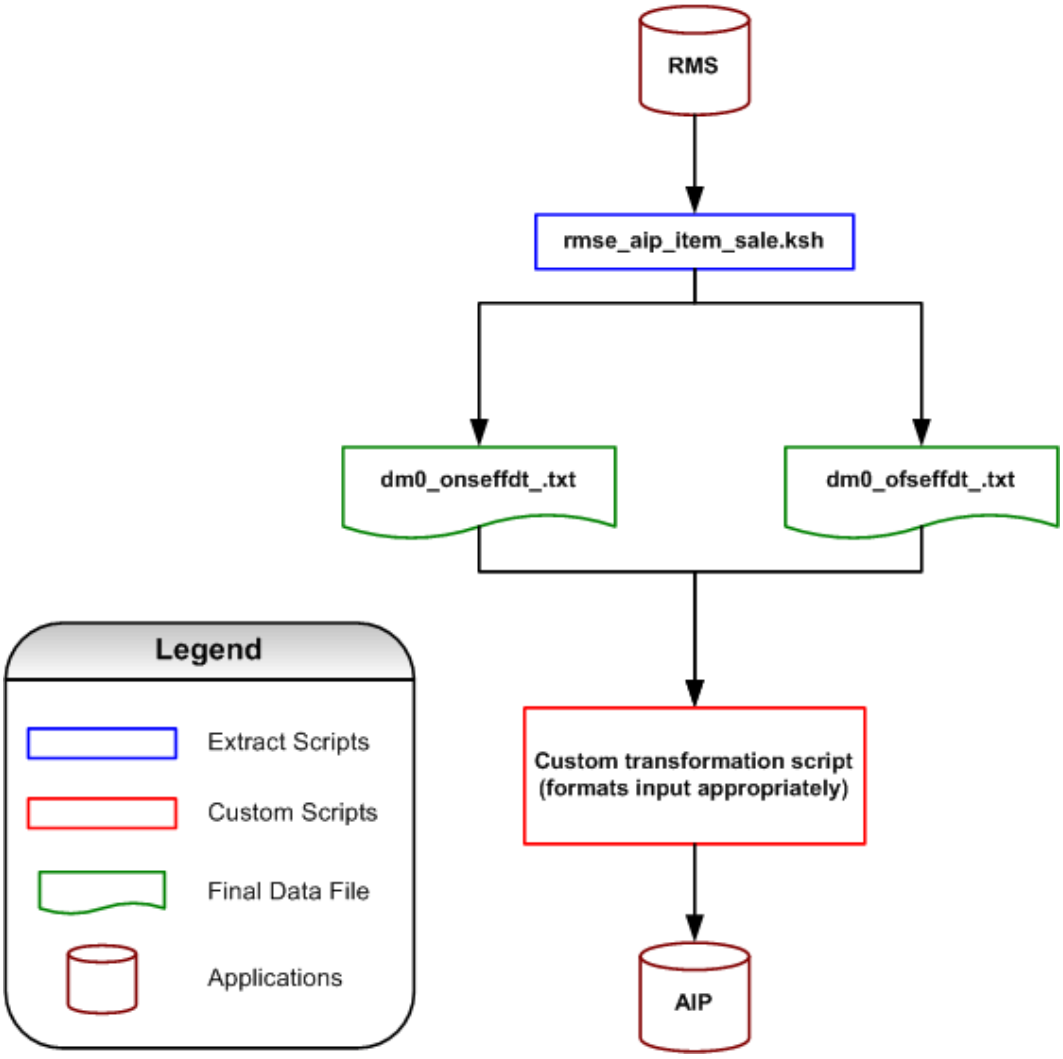
RMS-AIP Item Sale Mapping

AIP cannot load the on sale/off sale files that RMS produces. The file is considered to be coming from an external system. The client can simply create a transformation on the RMS files. This custom transformation is needed before these files can be loaded into AIP.

Item Sale Data Flow

Transformation Overview

A custom transformation is required in order for AIP to load dm0_onseffdt_.txt and dm0_ofseffdt_.txt. The transformation should drop the Order multiple and only retain the single unique on sale date and off sale date for the SKU/Store. This script needs to place the file in the external files inbound directory.



Item Sale Data Flow Diagram

Item Sales Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item On Sale-Off Sale Dates	Contains Store, SKU, Order Multiple, off/on Sale Dates

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_sale.ksh
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SIT_EXPLODE, SIT_DETAIL, ITEM_SUPP_COUNTRY, ITEM_MASTER	Target Object Name	on_off_sale.v
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SIT_EXPLODE	LOCATION	Location	Number	(10,0)
2	SIT_EXPLODE	ITEM	Item	Varchar2	25
3	ITEM_MASTER, V_PACKSKU_QTY	PACK_IND, QTY	Pack Quantity	Number	(12,4)
4	SIT_DETAIL	STATUS_UPDATE_DATE	Status Updated Date	date	N/A
5	SIT_DETAIL	STATUS	Status	Varchar2	1

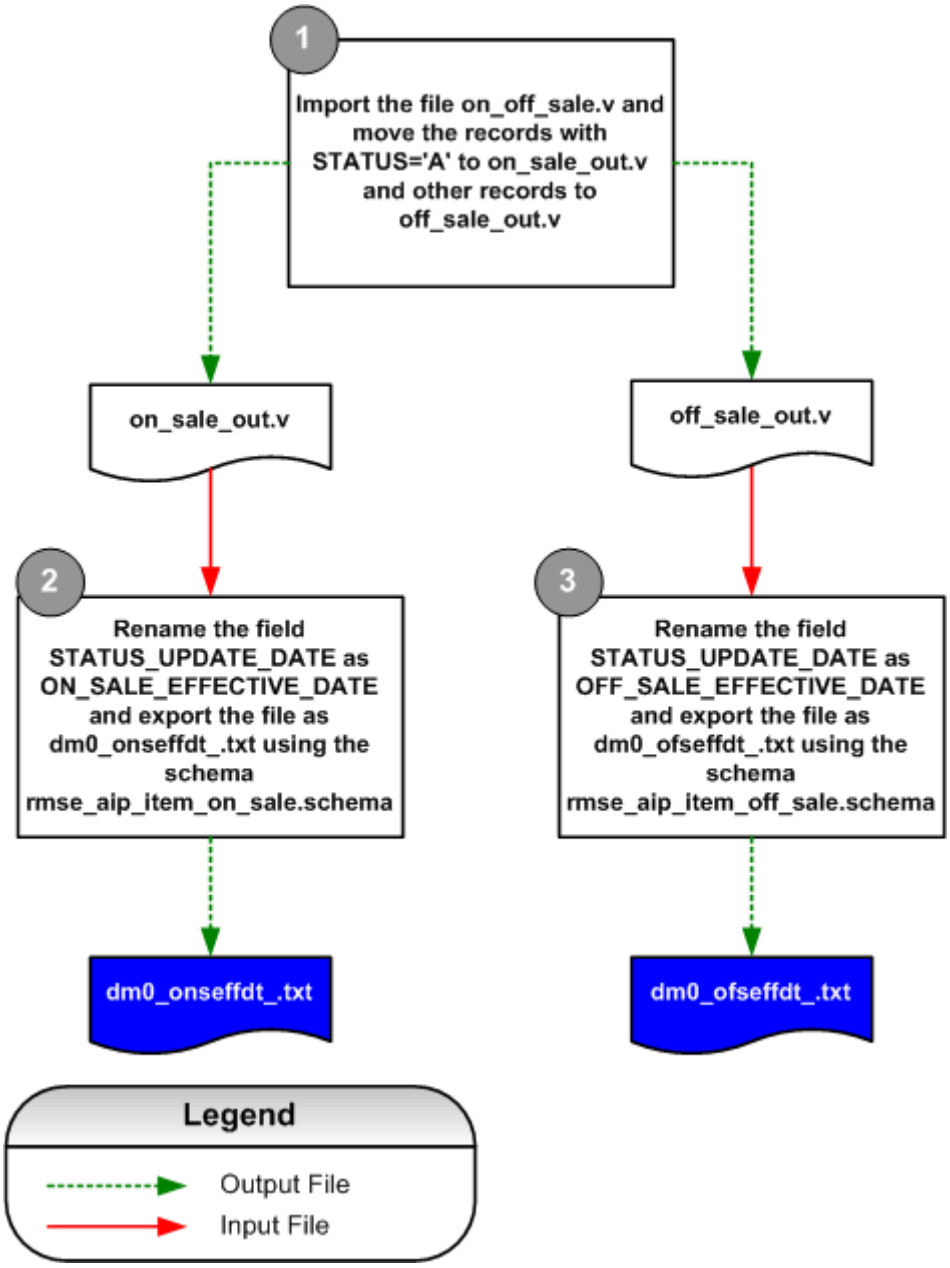
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULTIPLE	Order Multiple	string	4	N/A
4	STATUS_UPDATE_DATE	Status Updated Date	date	8	N/A
5	STATUS	Status	string	1	N/A

Filtering Conditions

```
Filtering Conditions: se.ITEMLOC_LINK_ID = sd.ITEMLOC_LINK_ID AND sd.STATUS in
('A', 'C') AND se.ITEM = isc.ITEM AND isc.PRIMARY_SUPP_IND = 'Y' AND
isc.PRIMARY_COUNTRY_IND = 'Y' AND se.ITEM = im.ITEM AND im.STATUS = 'A' AND
im.ITEM_LEVEL = im.TRAN_LEVEL AND (im.PACK_IND = 'N' or im.SIMPLE_PACK_IND = 'Y')
AND sd.STATUS_UPDATE_DATE > TO_DATE(${VDATE}, 'YYYYMMDD')
```

On Sale/Off Sale Extract Process



On Sale/Off Sale Extract Process Diagram

Final dm0_onseffdt_.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item On Sale Dates	Contains Store, SKU, Order Multiple, On Sale Dates

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_sale.ksh
Schema File	rmse_aip_item_on_sale.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SIT_EXPLODE, SIT_DETAIL, ITEM_SUPP_COUNTRY, ITEM_MASTER	Target Object Name	dm0_onseffdt_.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SIT_EXPLODE	LOCATION	Location	Number	(10,0)
2	SIT_EXPLODE	ITEM	Item	Varchar2	25
3	ITEM_MASTER, V_PACKSKU_QTY	PACK_IND, QTY	Pack Quantity	Number	(12,4)
4	SIT_DETAIL	STATUS_UPDATE_DATE	Status Updated Date	date	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULTIPLE	Order Multiple	string	4	N/A
4	ON_SALE_EFFECTIVE_DATE	On Sale Effective Date	date	8	N/A

Filtering Conditions

```
se.ITEMLOC_LINK_ID = sd.ITEMLOC_LINK_ID AND sd.STATUS in ('A', 'C') AND se.ITEM =
isc.ITEM AND isc.PRIMARY_SUPP_IND = 'Y' AND isc.PRIMARY_COUNTRY_IND = 'Y' AND
se.ITEM = im.ITEM AND im.STATUS = 'A' AND im.ITEM_LEVEL = im.TRAN_LEVEL AND
(im.PACK_IND = 'N' or im.SIMPLE_PACK_IND = 'Y') AND sd.STATUS_UPDATE_DATE >
TO_DATE(${VDATE}, 'YYYYMMDD')
```

Final dm0_ofseffdt_.txt layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Off Sale Dates	Contains Store, SKU, Order Multiple, off Sale Dates

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_sale.ksh
Schema File	rmse_aip_item_off_sale.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SIT_EXPLODE, SIT_DETAIL, ITEM_SUPP_COUNTRY, ITEM_MASTER	Target Object Name	dm0_ofseffdt_.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SIT_EXPLODE	LOCATION	Location	Number	(10,0)
2	SIT_EXPLODE	ITEM	Item	Varchar2	25
3	ITEM_MASTER, V_PACKSKU_QTY	PACK_IND, QTY	Pack Quantity	Number	(12,4)
4	SIT_DETAIL	STATUS_UPDATE_DATE	Status Updated Date	date	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULTIPLE	Order Multiple	string	4	N/A
4	STATUS_UPDATE_DATE	Off Sale Effective Date	date	8	N/A

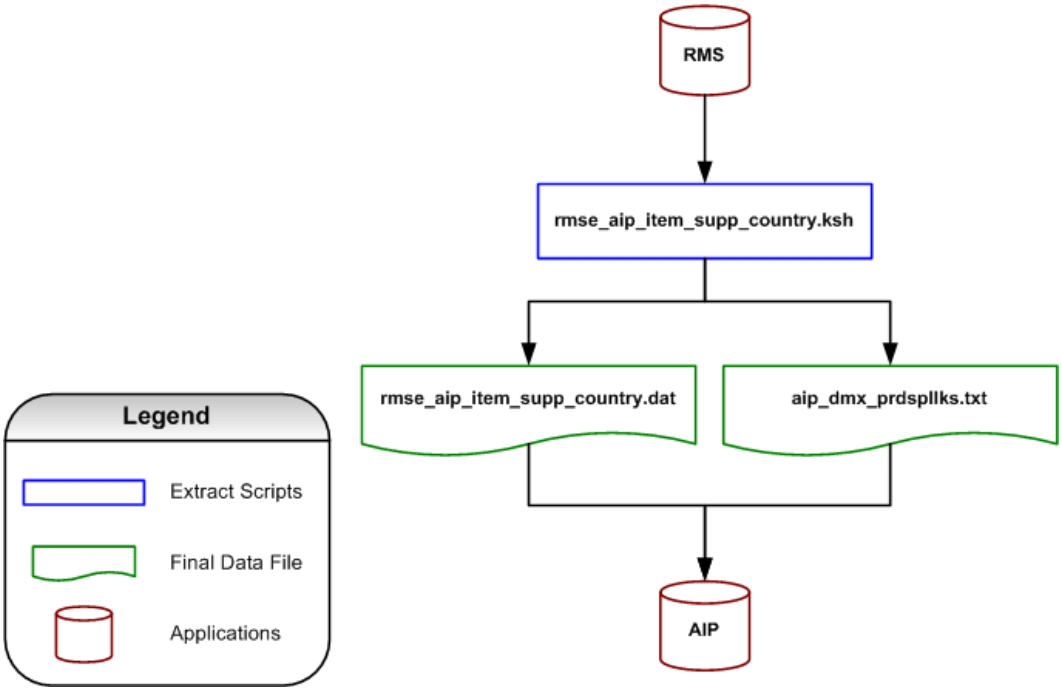
Filtering Conditions

```
se.ITEMLOC_LINK_ID = sd.ITEMLOC_LINK_ID AND sd.STATUS in ('A', 'C') AND se.ITEM =
isc.ITEM AND isc.PRIMARY_SUPP_IND = 'Y' AND isc.PRIMARY_COUNTRY_IND = 'Y' AND
se.ITEM = im.ITEM AND im.STATUS = 'A' AND im.ITEM_LEVEL = im.TRAN_LEVEL AND
(im.PACK_IND = 'N' or im.SIMPLE_PACK_IND = 'Y') AND sd.STATUS_UPDATE_DATE >
TO_DATE(${VDATE}, 'YYYYMMDD')
```

RMS-AIP Item Supplier Mapping

Item Supplier Data Flow

A new RMS extract, rmse_item_supp_country.ksh, will produce a data file, dmx_prdspllks.txt, containing item, supplier, order multiple and commodity supplier link indicator information. The rmse_aip_item_supp_country.dat is also to be used as input file for AIP item transformation, aipt_item.ksh, to produce item.txt file.



Item Supplier Data Flow Diagram

Formal Packs Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Order Multiple information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, V_PACKSKU_QTY ITEM_SUPP_COUNTRY, ITEM_SUPPLIER	Target Object Name	formal_packs.v
		Target Load Type	Full Load

Field Level Mapping - Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier Pack Size	Number	(12,4)
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE, QTY	Supplier Pack Size, Pack Quantity	Number	(12,4)
4	ITEM_SUPP_COUNTRY	PRIMARY_SUPP_IND	Primary Supplier Indicator	Varchar2	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	DECODE(im.SIMPLE_PACK_IND ,'Y', (SELECT QTY FROM V_PACKSKU_QTY WHERE PACK_NO = im.ITEM), 1)
4	PRIMARY_SUPP_IND	Primary Supplier Indicator	String	1	N/A

Filtering Conditions

```
Filtering Conditions:isc.PRIMARY_COUNTRY_IND='Y' AND im.ITEM = isc.ITEM AND
im.ITEM = isup.ITEM AND im.STATUS='A' AND im.INVENTORY_IND = 'Y' AND
NVL(im.AIP_CASE_TYPE,'F') != 'I' AND im.TRAN_LEVEL =
im.ITEM_LEVEL AND isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd') AND
((im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y') OR
(im.SIMPLE_PACK_IND = 'Y' AND im.item IN (SELECT pm.pack_no FROM item_master
im1,packitem pm WHERE pm.item = im1.item AND im1.forecast_ind = 'Y')))
```

Informal Packs Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Supplier Pack Size information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER ITEM_SUPPLIER ITEM_SUPP_COUNTRY	Target Object Name	informal_packs.v
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier Pack Size	Number	(12,4)
3	N/A	N/A	N/A	N/A	N/A
4	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)
5	ITEM_SUPP_COUNTRY	INNER_PACK_SIZE	Inner Pack Size	Number	(12,4)
6	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE, TI, HI	Supplier Pack Size	Number	(12,4)
7	ITEM_SUPP_COUNTRY	PRIMARY_SUPP_IND	Primary Supplier Indicator	Varchar2	1

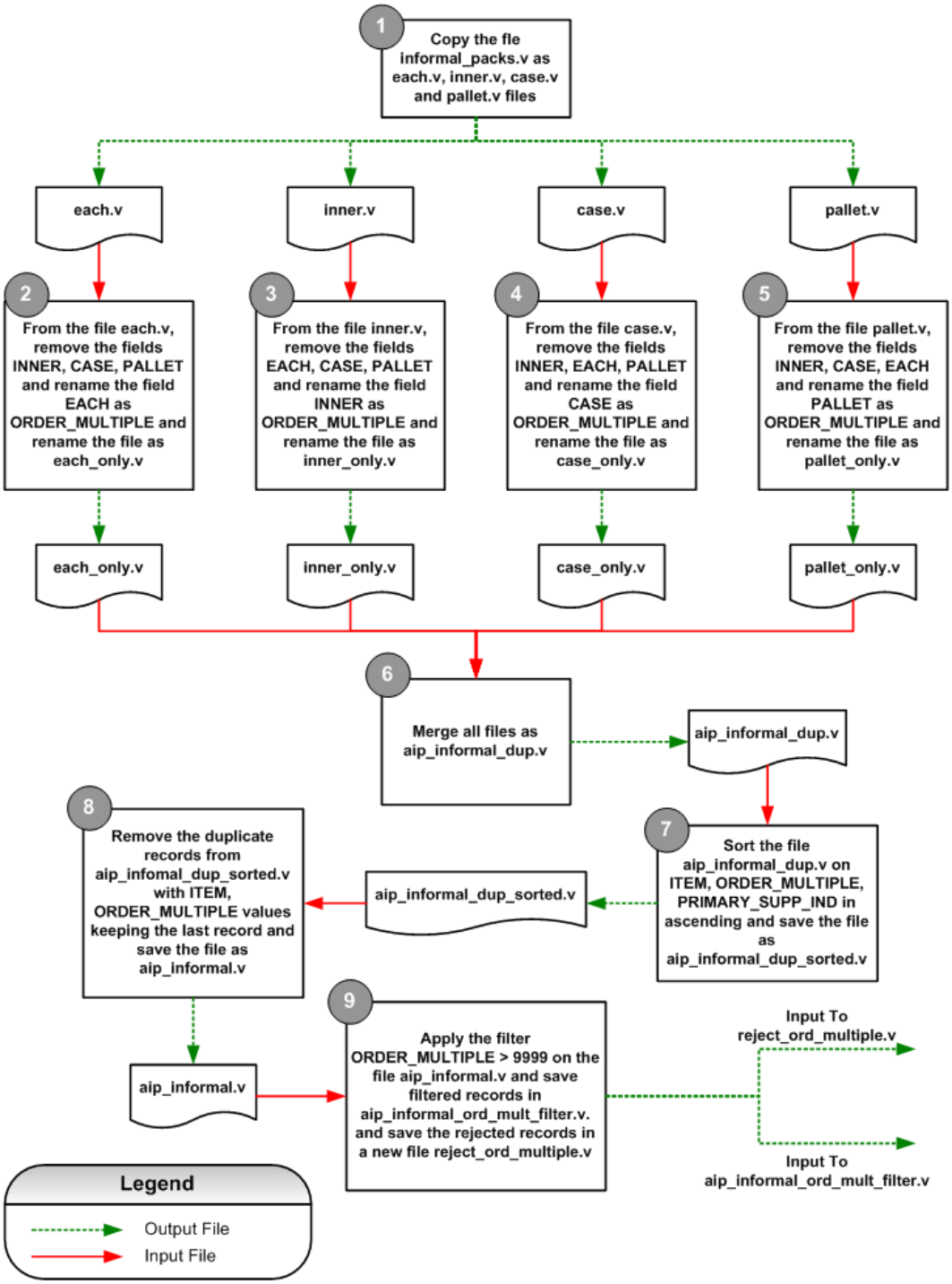
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	EACH	Eaches	int	4	Hard coded as "1"
4	CASE	Case Pack Size	int	4	N/A
5	INNER	Inner Pack Size	int	4	N/A
6	PALLET	Pallet Size	int	4	(isc.TI * isc.HI * isc.SUPP_PACK_SIZE)
7	PRIMARY_SUPP_IND	Primary Supplier Indicator	String	1	N/A

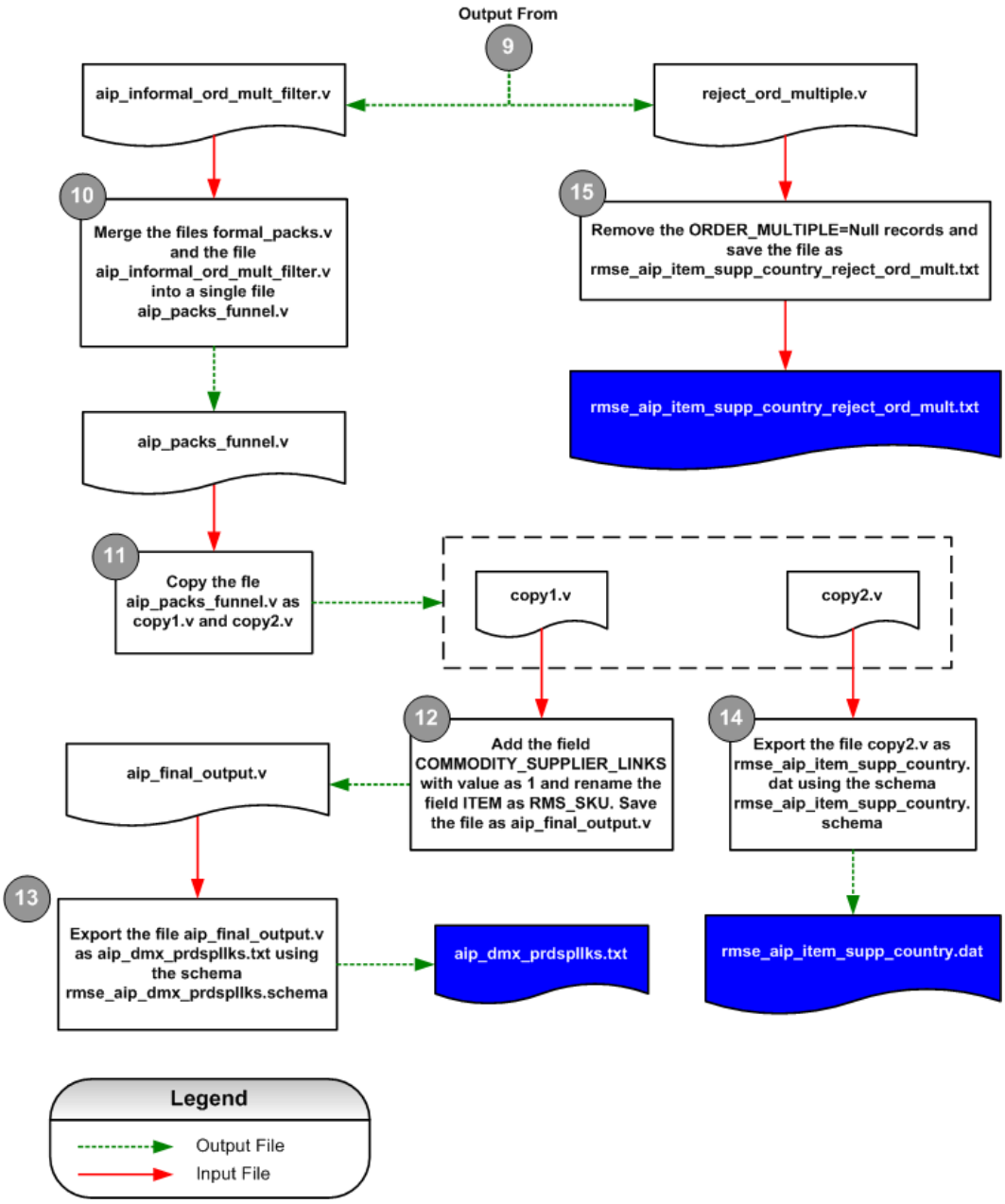
Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' AND
isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd')
```

Item Supplier Country Extract Process



Item Supplier Country Extract Process Diagram (1 of 2)



Item Supplier Country Extract Process Diagram (2 of 2)

Final Item Supplier Country Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Supplier Pack Size information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	rmse_aip_item_supp_country.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY	Target Object Name	rmse_aip_item_supp_country.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier	Number	(12,4)
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size Inner Pack Size Quantity	Number	(12,4)
4	ITEM_SUPP_COUNTRY	PRIMARY_SUPP_IIND	Primary Supplier Indicator	Varchar2	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	PRIMARY_SUPP_IIND	Primary Supplier Indicator	String	1	N/A

Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' AND
isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd')
```

Final Product Supplier Link Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Supplier Pack Size information.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	rmse_aip_dmx_prdspllks.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY	Target Object Name	aip_dmx_prdspllks.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier	Number	(10,0)
2	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	N/A	N/A	N/A	N/A	N/A

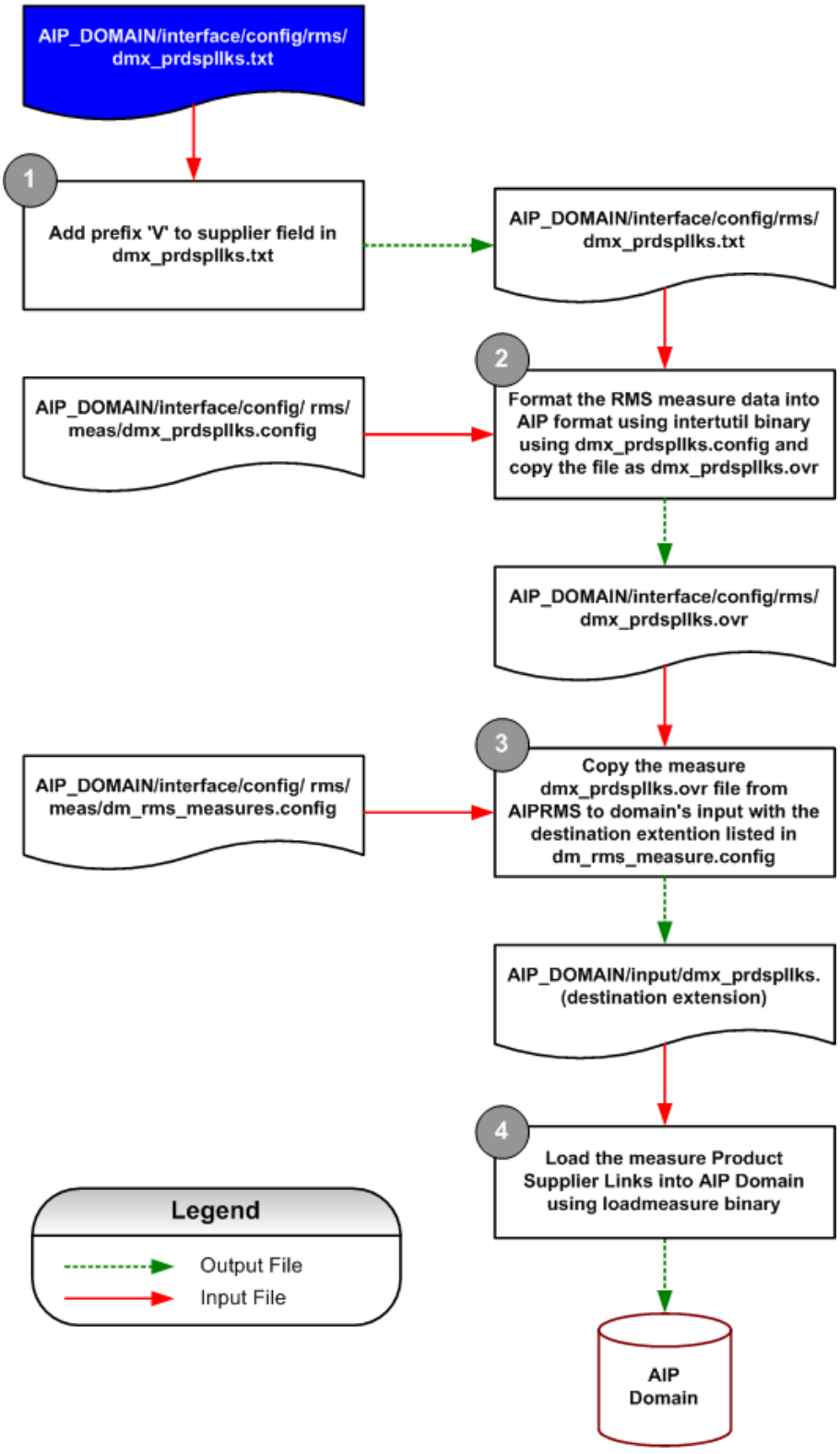
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	SUPPLIER	Supplier	int	11	N/A
2	RMS_SKU	Item	String	25	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	COMMODITY_SUPPLIER_LINKS	Primary Supplier Indicator	String	1	Hard coded as "1"

Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' A
```

Product Supplier Link Load Process

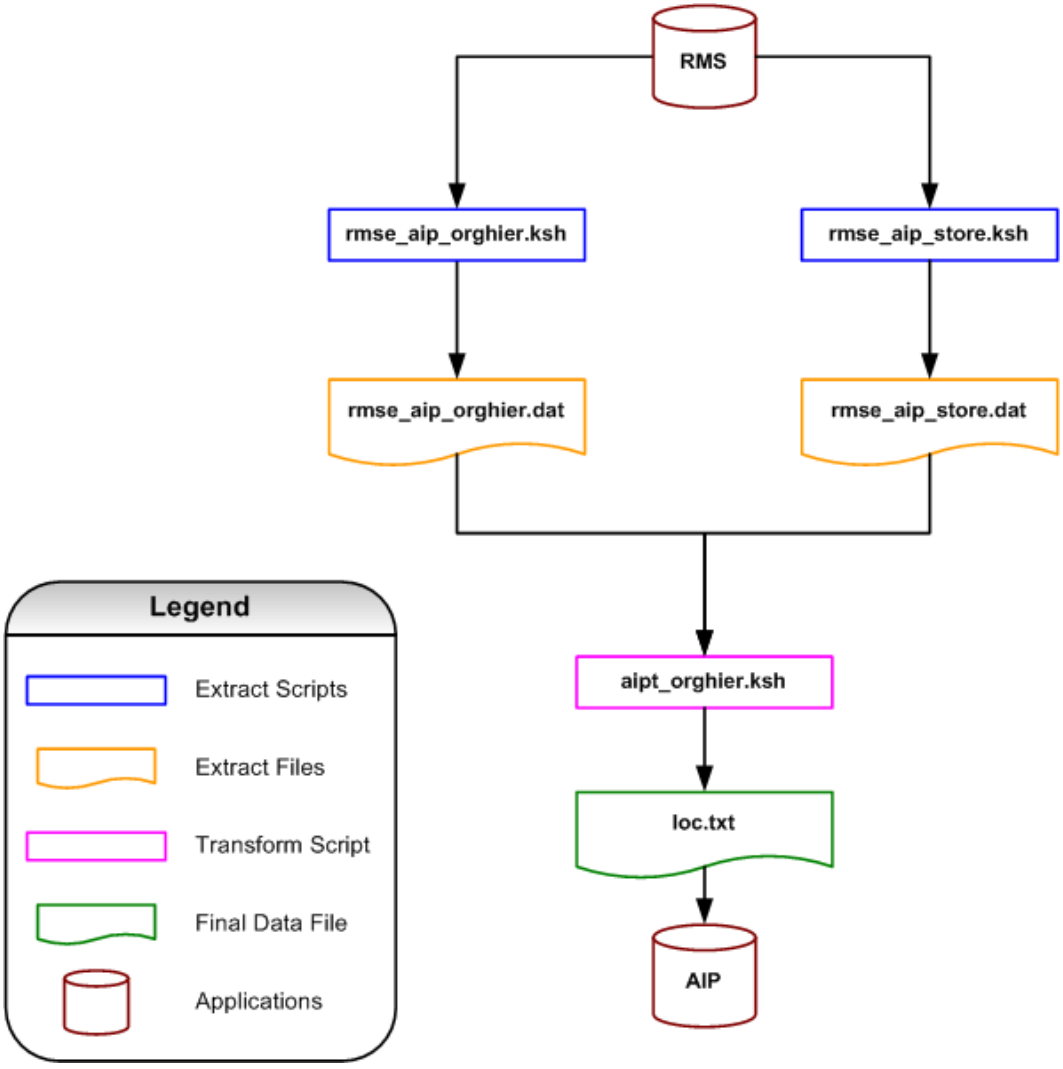


Product Supplier Link Load Process Diagram

RMS-AIP Location Mapping

Location Data Flow

Transformation Overview: Combines Organization hierarchy data with store data and then the result will be added with 6 new fields and then exported as loc.txt file.



Location Data Flow Diagram

Organization Hierarchy Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Organization hierarchy	Contains organization information like company, chain, area etc

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_orghier.ksh
Schema File	rmse_aip_orghier.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	COMPHEAD, CHAIN, AREA, REGION, DISTRICT	Target Object Name	rmse_aip_orghier.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	DISTRICT	DISTRICT	District	Number	(4,0)
2	DISTRICT	DISTRICT_NAME	District Name	Varchar2	20
3	REGION	REGION	Region	Number	(4,0)
4	REGION	REGION_NAME	Region Name	Varchar2	20
5	AREA	AREA	Area	Number	(4,0)
6	AREA	AREA_NAME	Area Name	Varchar2	20
7	CHAIN	CHAIN	Chain	Number	(4,0)
8	CHAIN	CHAIN_NAME	Chain Name	Varchar2	20
9	COMPHEAD	COMPANY	Company	Number	(4,0)
10	COMPHEAD	CO_NAME	Company Name	Varchar2	20

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	DISTRICT	District	int	11	N/A
2	DISTRICT_NAME	District Name	string	20	N/A
3	REGION	Region	int	11	N/A
4	REGION_NAME	Region Name	string	20	N/A
5	AREA	Area	int	11	N/A
6	AREA_NAME	Area Name	string	20	N/A
7	CHAIN	Chain	int	11	N/A
8	CHAIN_NAME	Chain Name	string	20	N/A
9	COMPANY	Company	int	5	N/A
10	CO_NAME	Company Name	string	20	N/A

Filtering Conditions

```
c.CHAIN = a.CHAIN (+) AND a.AREA = r.AREA (+) AND r.REGION = d.REGION (+)
```

Store Hierarchy Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Store Hierarchy	Contains store information like store, open date, close date etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_store.ksh
Schema File	rmse_aip_store.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	STORE, STORE_FORMAT, CODE_DETAIL	Target Object Name	rmse_aip_store.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	STORE	STORE	Store	Number	(10,0)
2	STORE	STORE_NAME	Store Name	Varchar2	20
3	STORE	DISTRICT	District	Number	(10,0)
4	STORE	STORE_CLOSE_DATE	Store Close Date	Date	N/A
5	STORE	STORE_OPEN_DATE	Store Open Date	Date	N/A
6	STORE	STORE_CLASS	Store Class	Varchar2	1
7	CODE_DETAIL	CODE_DESC	Store Class Description	Varchar2	40
8	STORE	STORE_FORMAT	Store Format	Number	(4,0)
9	STORE_FORMAT	FORMAT_NAME	Store Format Name	Varchar2	20
10	STORE	STOCKHOLDING_IND	Stock Holding Indicator	Varchar2	1
11	STORE	REMERCH_IND	Re-merchandise Indicator	Varchar2	1

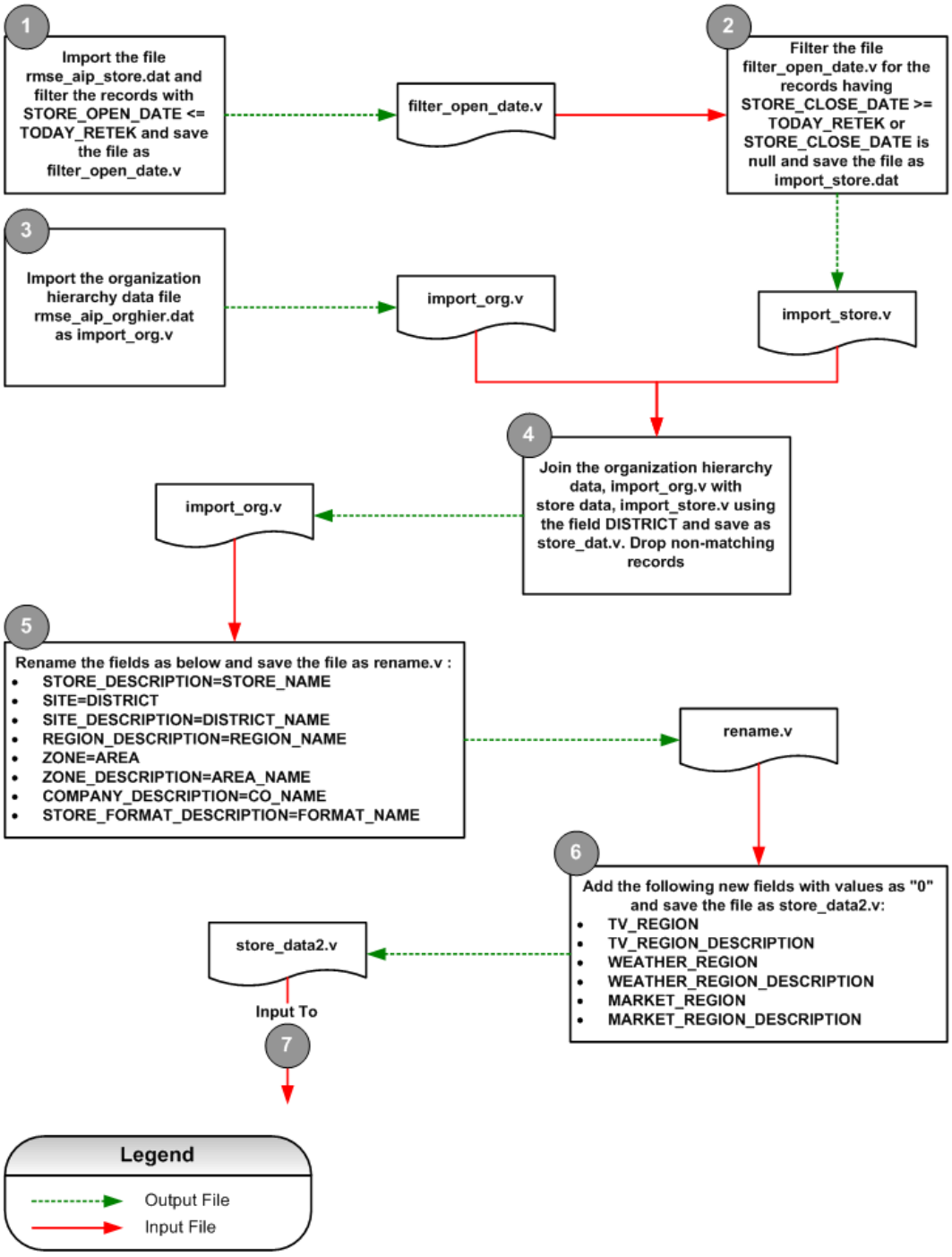
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	11	N/A
2	STORE_NAME	Store Name	string	20	N/A
3	DISTRICT	District	int	11	N/A
4	STORE_CLOSE_DATE	Store Close Date	date	8	N/A
5	STORE_OPEN_DATE	Store Open Date	date	8	N/A
6	STORE_CLASS	Store Class	string	1	N/A
7	STORE_CLASS_DESCRIPTION	Store Class Description	string	40	N/A
8	STORE_FORMAT	Store Format	int	5	N/A
9	FORMAT_NAME	Store Format Name	string	20	N/A
10	STOCKHOLDING_IND	Stock Holding Indicator	string	1	N/A
11	REMERCH_IND	Re-merchandise Indicator	string	1	N/A

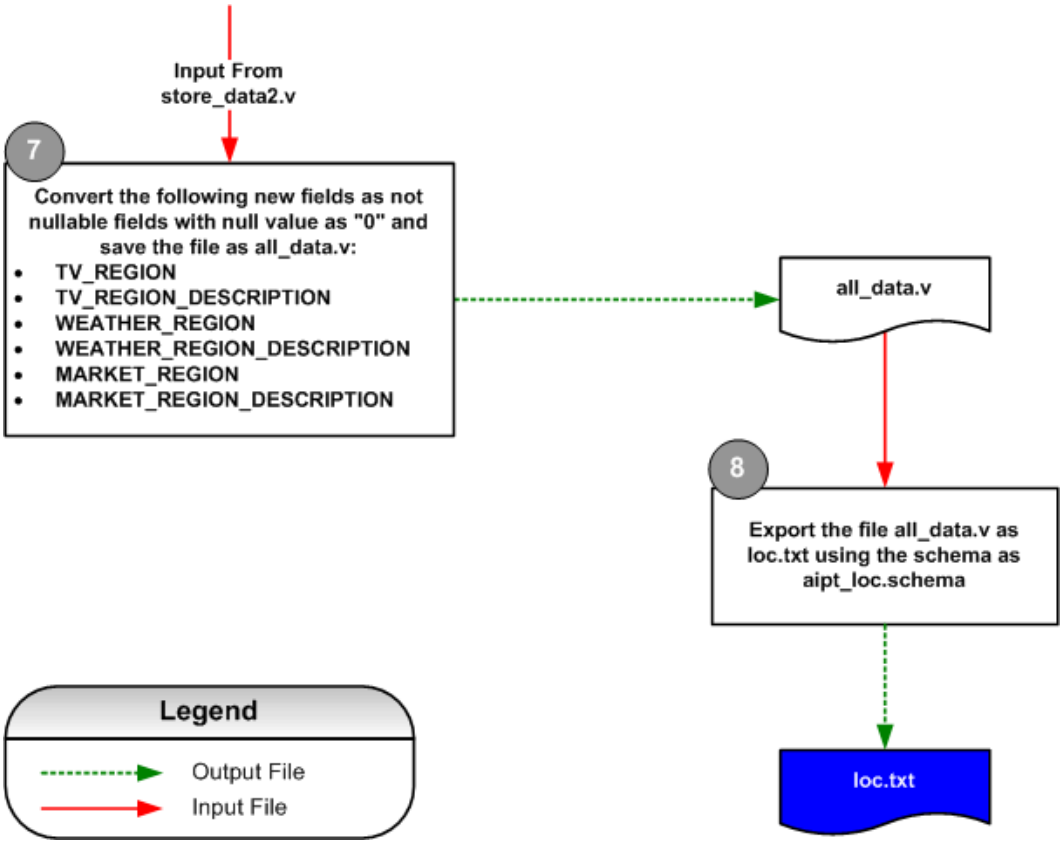
Filtering Conditions

```
s.STORE_FORMAT = sf.STORE_FORMAT(+) AND s.STORE_CLASS = cd.CODE AND cd.CODE_TYPE =
'CSTR' AND s.STOCKHOLDING_IND = 'Y'
```

Transformation Process – Location



Location Transformation Process Diagram (1 of 2)



Location Transformation Process Diagram (2 of 2)

Final loc.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Store Hierarchy	Contains store information like store, open date, close date etc

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_orghier.ksh
Schema File	aipt_loc.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	STORE, STORE_FORMAT, CODE_DETAIL, COMPHEAD, CHAIN, AREA, DISTRICT, REGION	Target Object Name	loc.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	STORE	STORE	Store	Number	(10,0)
2	STORE	STORE_NAME	Store Name	Varchar2	20
3	STORE	DISTRICT	District	Number	(4,0)
4	DISTRICT	DISTRICT_NAME	District Name	Varchar2	20
5	REGION	REGION	Region	Number	(4,0)
6	REGION	REGION_NAME	Region Name	Varchar2	20
7	AREA	AREA	Area	Number	(4,0)
8	AREA	AREA_NAME	Area Name	Varchar2	20
9	CHAIN	CHAIN	Chain	Number	(4,0)
10	CHAIN	CHAIN_NAME	Chain Name	Varchar2	20
11	COMPHEAD	COMPANY	Company	Number	(4,0)
12	COMPHEAD	CO_NAME	Company Name	Varchar2	20

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	STORE	STORE_FORMAT	Store Format	Number	(4,0)
20	STORE_FORMAT	FORMAT_NAME	Store Format Name	Varchar2	20

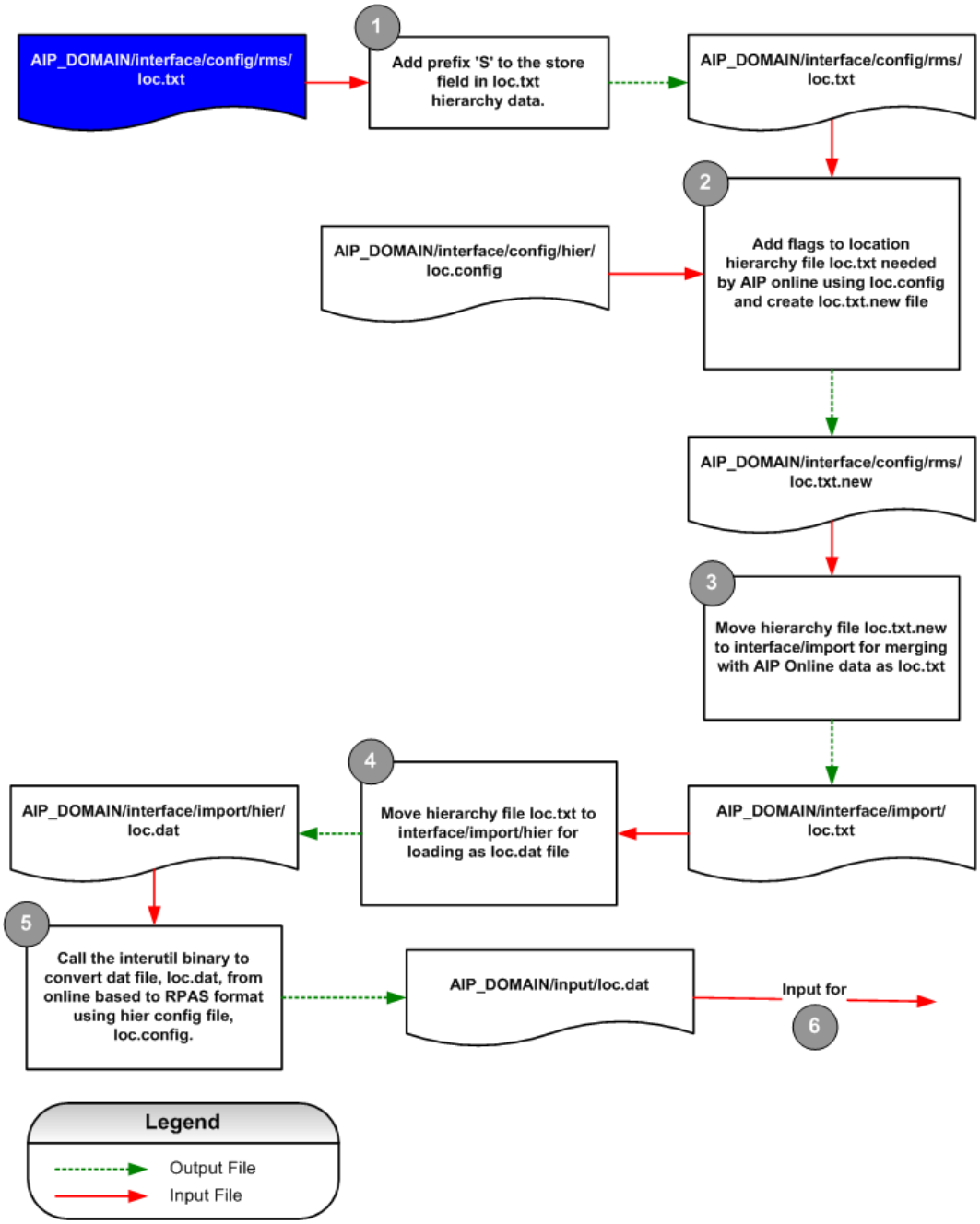
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	20	N/A
2	STORE_DESCRIPTION	Store Name	string	60	N/A
3	SITE	Site	int	20	N/A
4	SITE_DESCRIPTION	Site Name	string	40	N/A
5	REGION	Region	int	20	N/A
6	REGION_DESCRIPTION	Region Name	string	40	N/A
7	ZONE	Zone	int	20	N/A
8	ZONE_DESCRIPTION	Zone Name	string	40	N/A
9	CHAIN	Chain	int	20	N/A
10	CHAIN_DESCRIPTION	Chain Name	string	40	N/A
11	COMPANY	Company	int	20	N/A
12	COMPANY_DESCRIPTION	Company Name	string	40	N/A
13	TV_REGION	TV Region	string	4	Hard coded as "0"
14	TV_REGION_DESCRIPTION	TV Region Name	string	24	Hard coded as "0"
15	WEATHER_REGION	Weather Region	string	4	Hard coded as "0"
16	WEATHER_REGION_DESCRIPTION	Weather Region Name	string	24	Hard coded as "0"
17	MARKET_REGION	Market Region	string	4	Hard coded as "0"
18	MARKET_REGION_DESCRIPTION	Market Region Name	string	24	Hard coded as "0"
19	STORE_FORMAT	Store Format	int	20	N/A
20	STORE_FORMAT_DESCRIPTION	Store Format Name	string	40	N/A

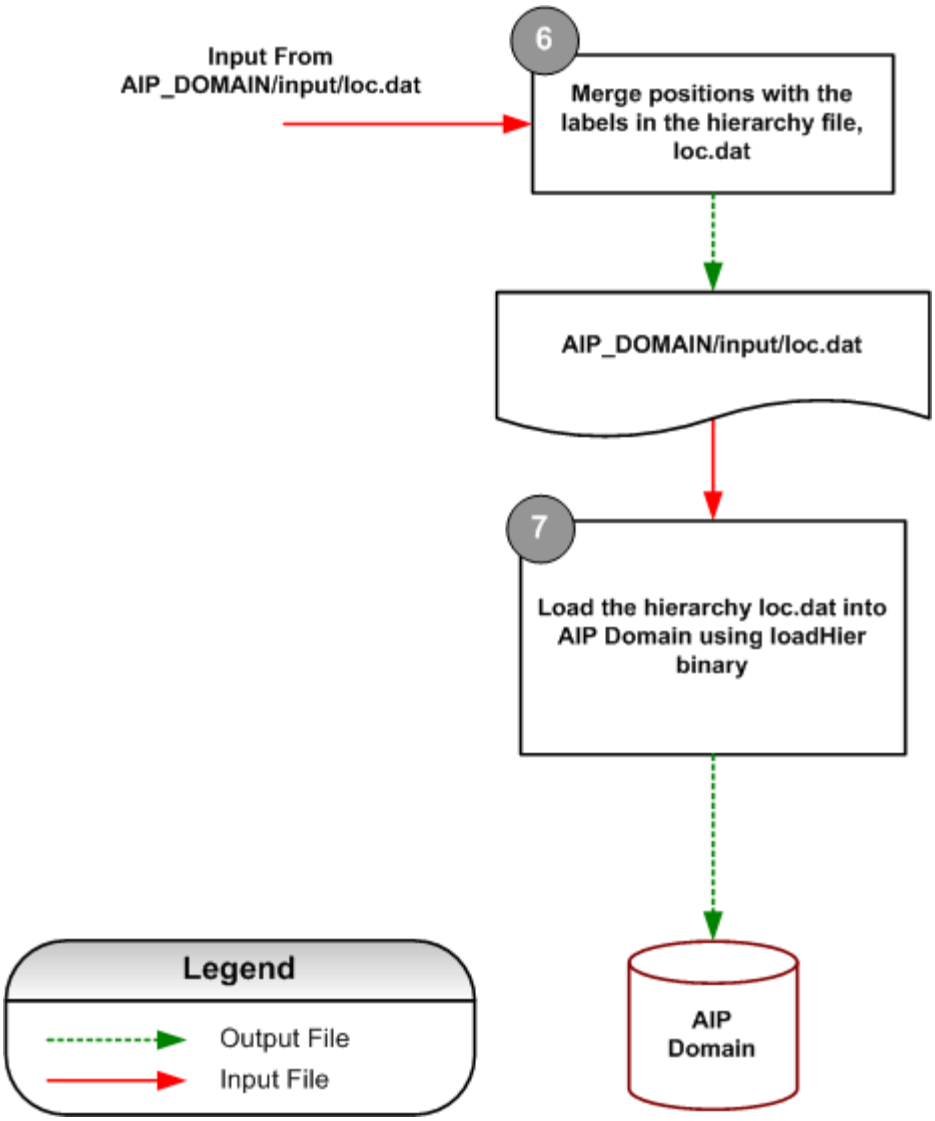
Filtering Conditions

See Transformation Process – Location.

Location Load Process into AIP RPAS



Location Load Process Diagram (1 of 2)

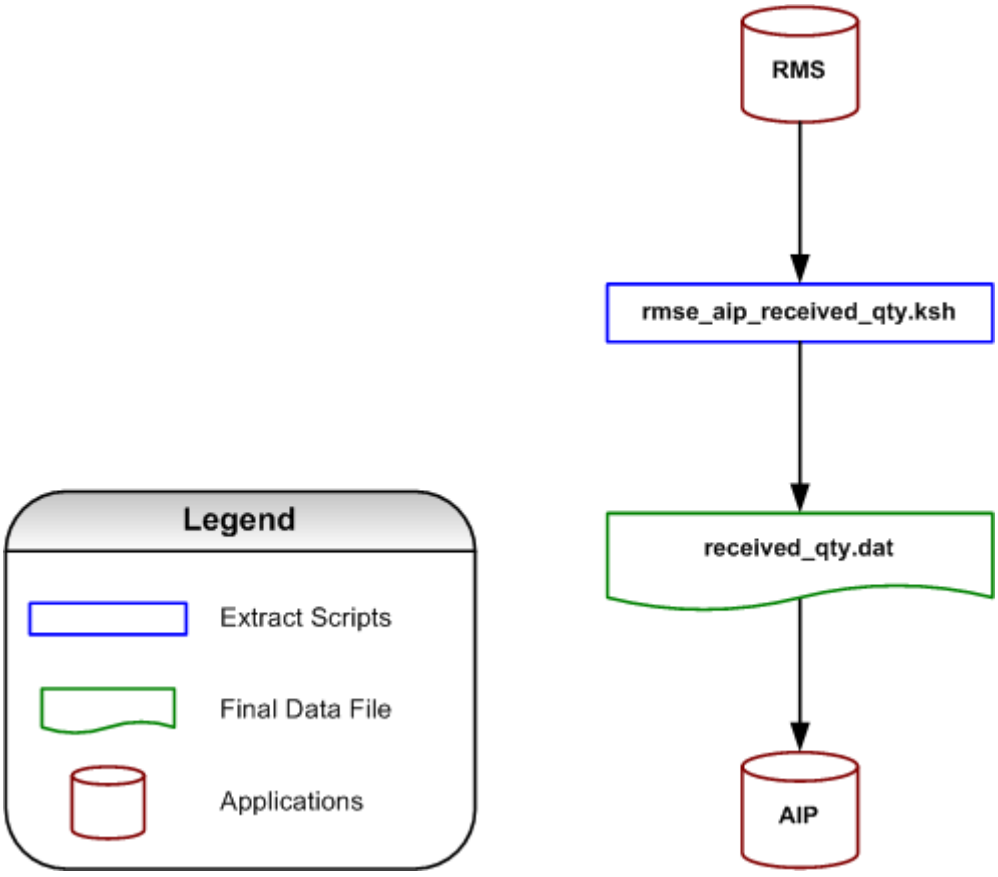


Location Load Process Diagram (2 of 2)

RMS-AIP Received Quantity Mapping

Received Quantity Data Flow

No transformation required for received quantity from Purchase Orders and Transfers feeds. Extract program directly produces file received_qty.txt required by AIP.



Received Quantity Data Flow Diagram

Final received_qty.dat Layout

Data Element Details

Data Type	Data Element Name	Data Description
N/A This information is not loaded into an RPAS measure. It is loaded into an Oracle table only.	Received Quantity	Contains Purchase Order and Transfers received quantity

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_received_qty.ksh
Schema File	rmse_aip_received_qty.shcema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ORDHEAD, ORDLOC, ORDSKU, TSFHEAD, TSFDETAIL, V_PACKSKU_QTY	Target Object Name	received_qty.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ORDHEAD TSFHEAD	ORDER_NUMBER	Order Number	Number	(8,0)
2	N/A	N/A	N/A	N/A	N/A
3	ORDSKU / TSFDETAIL	ITEM	Item	Varchar2	25
4	ORDSKU / TSFDETAIL	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)
5	(SELECT PACK_NO ITEM, SUM(QTY) PACK_QTY FROM V_PACKSKU_QTY GROUP BY PACK_NO)	PACK_QTY	Pack Quantity	Number	(12,4)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
6	ORDLOC / TSFHEAD	LOCATION / TO_LOC	Location	Number	(10,0)
7	ORDLOC / TSFHEAD	LOCATION / TO_LOC	Location	Number	(10,0)
8	ORDHEAD / TSFHEAD	NOT_AFTER_DATE/ DELIVERY_DATE	The Last date of order delivery/ The earliest transfer delivery date	Date	N/A
9	ORDLOC / TSFDETAIL	QTY_RECEIVED / RECEIVED_QTY	Received Quantity	Number	(12,4)

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ORDER_NUMBER	Order Number	int	10	N/A
2	ORDER_TYPE	Order Type	string	1	Hard coded as 'P' for the records from ORDHEAD (i.e. for POs) and 'T' for the records from TSFHEAD (i.e. for Transfers)
3	RMS_SKU	RMS SKU	string	25	N/A
4	ORDER_MULTIPLE	Order Multiple	int	8	N/A
5	PACK_QTY	Pack Quantity	int	8	N/A
6	STORE	Store	int	10	POs: If LOC_TYPE="S", then Location value TSFs: If TO_LOC_TYPE="S" then TO_LOC value
7	WAREHOUSE	Warehouse	int	10	POs: If LOC_TYPE="W", then Location value TSFs: If TO_LOC_TYPE="W" then TO_LOC value
8	RECEIVED_DATE	Received Date	date	8	N/A
9	QUANTITY	Received Quantity	int	8	N/A

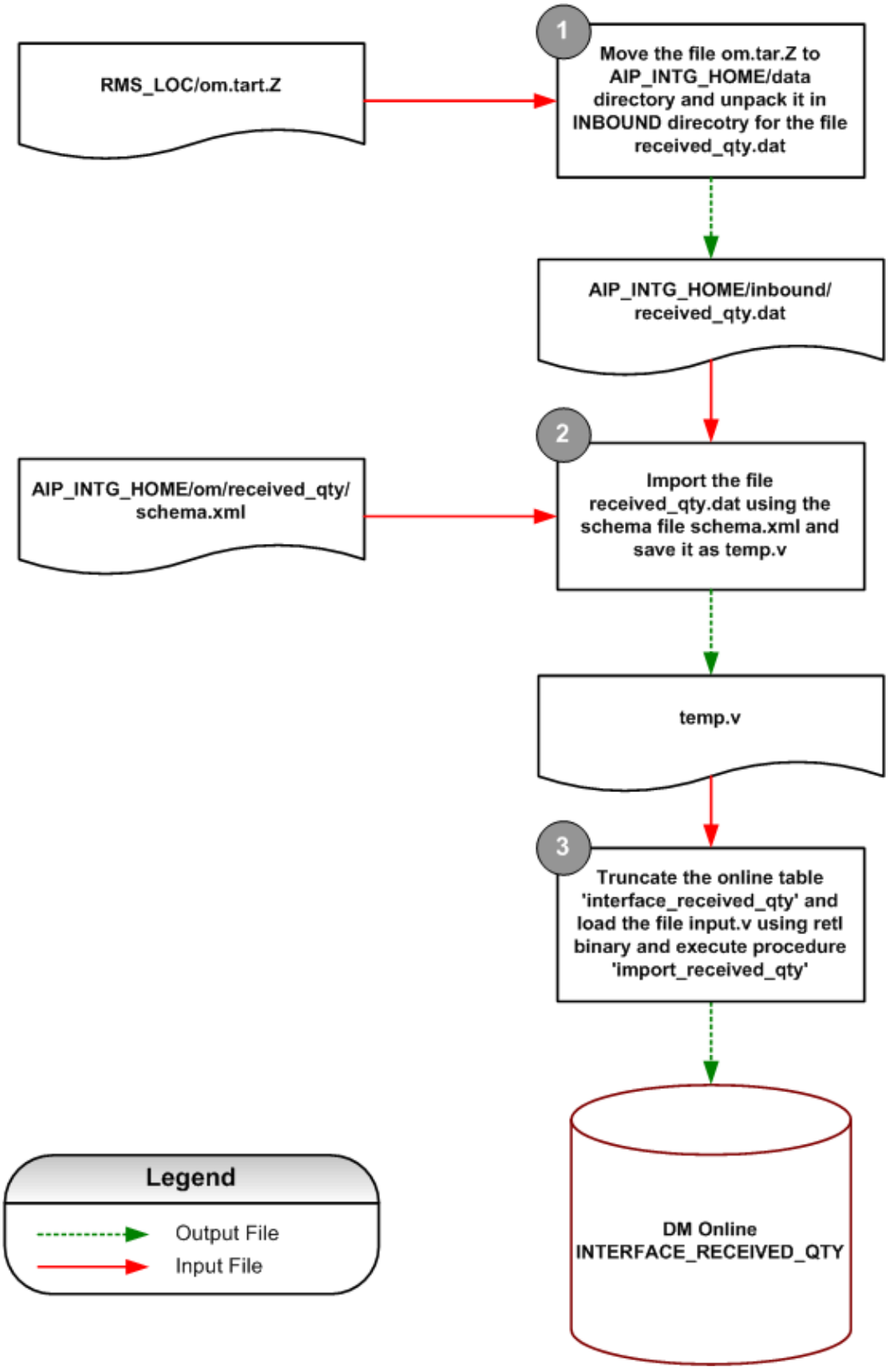
Filtering Conditions

```
(oh.ORDER_NO = ol.ORDER_NO) AND (ol.ORDER_NO = os.ORDER_NO) AND (ol.ITEM =
os.ITEM) AND (os.ITEM = pks.ITEM (+)) AND (oh.ORIG_IND = '6') AND ol.QTY_RECEIVED
IS NOT NULL AND (oh.CLOSE_DATE IS NULL OR oh.CLOSE_DATE >=
(to_date('${VDATE}','yyyymmdd') - ${MAX_NOTAFTER_DAYS}))
AND oh.NOT_AFTER_DATE IS NOT NULL
```

UNION

```
(th.TSF_NO = td.TSF_NO) AND (td.ITEM = pks.ITEM (+)) AND (th.TSF_TYPE = 'AIP') AND
td.RECEIVED_QTY IS NOT NULL AND (th.CLOSE_DATE IS NULL OR th.CLOSE_DATE >=
(to_date('${VDATE}','yyyymmdd')- ${MAX_NOTAFTER_DAYS})) AND th.DELIVERY_DATE IS
NOT NULL
```

Received Quantity Online Load Process



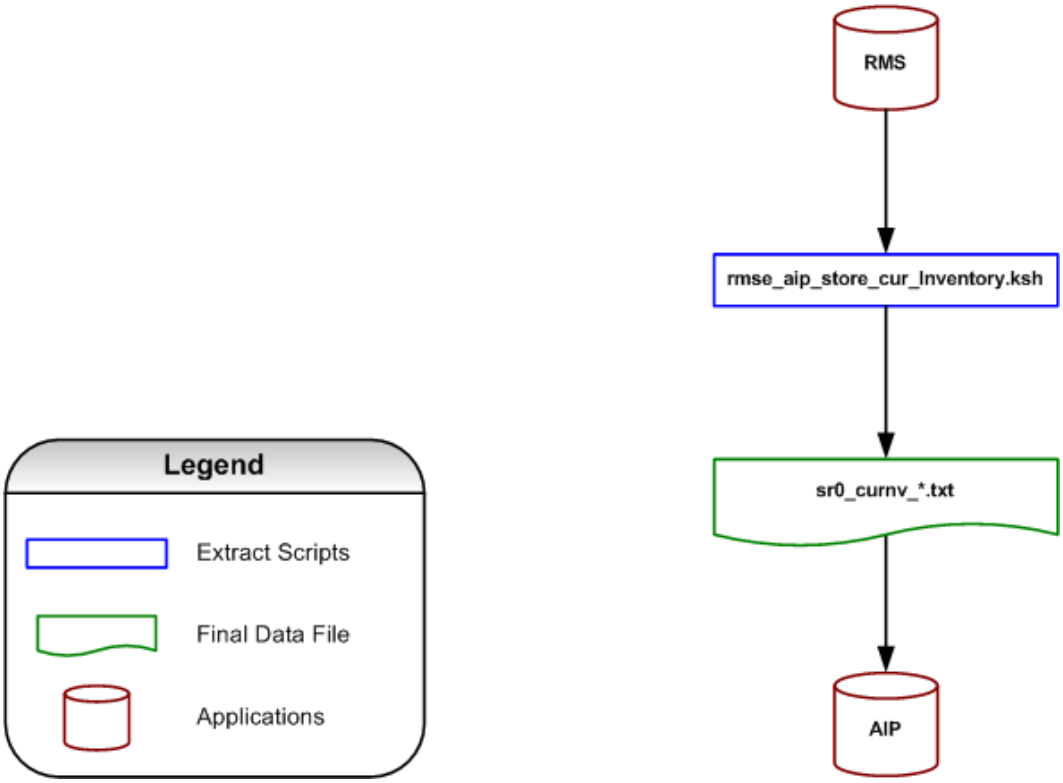
Received Quantity Online Load Process Diagram

Store Current Inventory Mapping

The final output files required by AIP will be created directly by these extracts with all necessary data transformations performed in the extract modules. No separate data transformation modules will be created. The reason that all transformations will be done in the extract modules directly is because some of the mathematical operations needed (such as the MOD function) do not exist in RETL and therefore these must be done during the Oracle SQL SELECT process.

Store Current Inventory Data Flow

The final output files required by AIP will be created directly by these extracts with all necessary data transformations performed in the extract modules. No separate data transformation modules will be created. The reason that all transformations will be done in the extract modules directly is because some of the mathematical operations needed (such as the MOD function) do not exist in RETL and therefore these must be done during the Oracle SQL SELECT process.



Store Current Inventory Data Flow Diagram

Final sr0_curinvX.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Current Inventory	Contains Store, SKU and Inventory values

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_store_cur_inv.txt
Schema File	rmse_aip_store_cur_inv.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_LOC_SOH, STORE	Target Object Name	sr0_curinv*.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_LOC_SOH	LOC	Order Number	Number	(10,0)
2	ITEM_MASTER	ITEM	Item	Varchar2	25
3	ITEM_LOC_SOH	STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve	Number	(12,4)

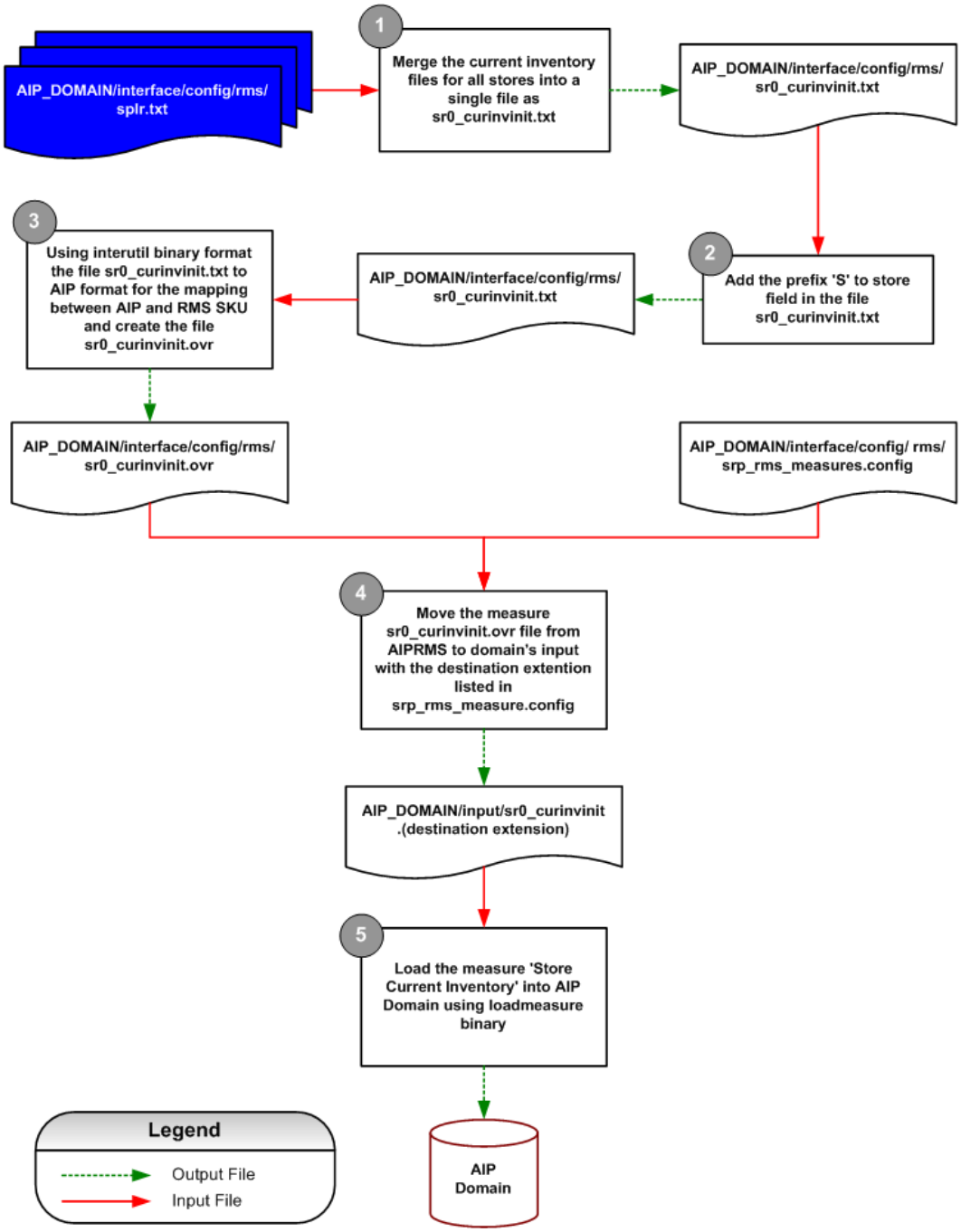
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	STORE_CUR_INV	Store Current Inventory	int	8	Calculation: STOCK_ON_HAND - (TSF_RESERVED_QTY+ RTV_QTY+ NON_SELLABLE_QTY+ CUSTOMER_RESV+ CUSTOMER_BACKORDER)

Filtering Conditions

```
im.ITEM_LEVEL = im.TRAN_LEVEL AND im.STATUS = 'A' AND il.ITEM = im.ITEM AND
((im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y') OR (im.SIMPLE_PACK_IND = 'Y' AND
im.item IN (SELECT pm.pack_no FROM item_master im1,  packitem pm WHERE pm.item =
im1.item AND im1.forecast_ind = 'Y'))) AND il.LOC_TYPE = “S” AND il.LOC = s.STORE
AND s.STORE_OPEN_DATE <= TO_DATE('${VDATE}', 'YYYYMMDD') AND
NVL(s.STORE_CLOSE_DATE,'04-APR-4444') >= TO_DATE('${VDATE}', 'YYYYMMDD') AND
im.INVENTORY_IND = 'Y' AND NOT(im.SELLABLE_IND = 'Y' AND im.ORDERABLE_IND = 'N')
```

Store Current Inventory – AIP Load Process



Store Current Inventory AIP Load Process Diagram

RMS-AIP Store Product Life

Store Product Life Data Flow

Transformation Overview

A new AIP transformation program, aipt_item.ksh, will first join the item location traits and item master extracts, followed by merging the result with the store extracts, and then join the result to item supplier country extract and then export he result as sr0_prdlfe.txt.

Store Product Life Data Flow Diagram

Location Traits Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Product Life Data	Contains Item, location and shelf life on receipt details

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_loc_traits.ksh
Schema File	rmse_aip_item_loc_traits.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_LOC_TRAITS, ITEM_MASTER PACKITEM	Target Object Name	rmse_aip_item_loc_traits.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_LOC_TRAITS	ITEM	Item	Varchar2	25
2	ITEM_LOC_TRAITS	LOC	Location	Number	(10,0)
3	ITEM_LOC_TRAITS	REQ_SHELF_LIFE_ON_RECEIPT	Shelf Life on Receipt	Number	(4,0)

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	string	25	N/A
2	LOC	Location	int	10	N/A
3	REQ_SHELF_LIFE_ON_RECEIPT	Shelf Life on Receipt	int	8	N/A

Filtering Conditions

```
im.ITEM = ilt.ITEM AND im.STATUS='A' AND ((im.PACK_IND = 'N' AND im.FORECAST_IND =
'Y') OR (im.SIMPLE_PACK_IND = 'Y' AND im.item IN (SELECT pm.pack_no FROM
item_master im1, packitem pm
WHERE pm.item = im1.item AND im1.forecast_ind = 'Y')))
```

Item Master Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Data	Contains RMS item, pack, supplier, and supplier pack size etc

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_master.ksh
Schema File	rmse_aip_item_master.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, UOM_CLASS, CODE_DETAIL, V_PACKSKU_QTY, PACKITEM	Target Object Name	rmse_aip_item_master.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_MASTER	ITEM	Item	Varchar2	25
2	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
3	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
4	ITEM_MASTER	ITEM_PARENT	Item Parent	Varchar2	25
5	ITEM_MASTER	ITEM_GRANDPARENT	Item Grandparent	Varchar2	25
6	V_PACKSKU_QTY ITEM_MASTER	ITEM	Item	Varchar2	25
7	ITEM_MASTER	SUBCLASS	Subclass	Number	4
8	ITEM_MASTER	CLASS	Class	Number	4
9	ITEM_MASTER	DEPT	Department	Number	4
10	ITEM_MASTER	FORECAST_IND	Forecastable Indicator	Varchar2	1
11	ITEM_SUPPLIER	SUPPLIER	Supplier	Number	(10,0)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
12	ITEM_SUPPLIER	PRIMARY_SUP_IND	Primary Supplier Indicator	Varchar2	1
13	ITEM_MASTER	STANDARD_UOM	Standard UOM	Varchar2	4
14	UOM_CLASS	UOM_DESC	Standard UOM Description	Varchar2	20
15	ITEM_MASTER	HANDLING_TEMP	SKU Handling Temperature	Varchar2	6
16	CODE_DETAIL	CODE_DESC	SKU Handling Temperature Description	Varchar2	40
17	V_PACKSKU_QTY	QTY	Pack Quantity	Number	(12,4)
18	ITEM_MASTER	PACK_IND	Package Indicator	Varchar2	1
19	ITEM_MASTER	SIMPLE_PACK_IND	Simple Pack Indicator	Varchar2	1
20	ITEM_MASTER	ITEM_LEVEL	Item Level	Number	(1,0)
21	ITEM_MASTER	TRAN_LEVEL	Transaction Level	Number	(1,0)
22	ITEM_MASTER	RETAIL_LABEL_TYPE	Retail Label Type	Varchar2	6
23	ITEM_MASTER	BANDED_ITEM_IND	Banded Item Indicator	Varchar2	1
24	ITEM_MASTER	CATCH_WEIGHT_IND	Catch Weight Indicator	Varchar2	1
25	ITEM_MASTER	SELLABLE_IND	Sellable Indicator	Varchar2	1
26	ITEM_MASTER	ORDERABLE_IND	Orderable Indicator	Varchar2	1
27	ITEM_MASTER	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	Varchar2	6

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	ITEM_DESC	Item Description	String	100	N/A
3	RMS_SKU_DESCRIPTION	RMS SKU Description	String	60	SUBSTR (item_master. ITEM_DESC,1,60)
4	ITEM_PARENT	Item Parent	String	25	N/A
5	ITEM_GRANDPARENT	Item Grandparent	String	25	N/A
6	AIP_SKU	AIP SKU	String	25	NVL (v_packsku_qty.ITEM, item_master.ITEM)
7	SUBCLASS	Subclass	int	5	N/A
8	CLASS	Class	int	5	N/A
9	DEPT	Department	int	5	N/A
10	FORECAST_IND	Forecastable Indicator	String	1	N/A
11	SUPPLIER	Supplier	int	11	N/A

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
12	PRIMARY_SUPP_IND	Primary Supplier Indicator	String	1	N/A
13	STANDARD_UOM	Standard UOM	String	4	N/A
14	STANDARD_UOM _DESCRIPTION	Standard UOM Description	String	20	N/A
15	SKU_TYPE	SKU Type	String	6	NVL (item_master. HANDLING_TEMP, 0)
16	SKU_TYPE_DESCRIPTION	SKU Type Description	String	40	NVL (code_detail. CODE_DESC, 0)
17	PACK_QUANTITY	Pack Component Quantity	int	4	NVL (v_packsku_qty.QTY,0)
18	PACK_IND	Pack Indicator	String	1	N/A
19	SIMPLE_PACK_IND	Simple Pack Indicator	String	1	N/A
20	ITEM_LEVEL	Item Level	int	1	N/A
21	TRAN_LEVEL	Transaction Level	int	1	N/A
22	RETAIL_LABEL_TYPE	Retail Label Type	String	6	N/A
23	BANDED_ITEM_IND	Banded Item Indicator	String	1	DECODE (item_master. BANDED_ITEM_IND, 'Y', '1', '0')
24	CATCH_WEIGHT_IND	Catch Weight Indicator	String	1	N/A
25	SELLABLE_IND	Sellable Indicator	String	1	N/A
26	ORDERABLE_IND	Orderable Indicator	String	1	N/A
27	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	String	6	N/A

Filtering Conditions

```
im.ITEM = isup.ITEM AND im.ITEM = p.PACK_NO (+) AND im.STANDARD_UOM=uc.UOM AND
im.HANDLING_TEMP=cd.CODE(+) AND im.STATUS='A' AND im.INVENTORY_IND ='Y' AND
((im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y') OR (im.SIMPLE_PACK_IND = 'Y' AND
im.item IN (SELECT pm.pack_no FROM item_master im1, packitem pm WHERE pm.item =
im1.item AND im1.forecast_ind = 'Y' AND im1.aip_case_type = 'F')))
```

Store Hierarchy Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Store Hierarchy	Contains store information like store, open date, close date etc

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_store.ksh
Schema File	rmse_aip_store.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	STORE, STORE_FORMAT, CODE_DETAIL	Target Object Name	rmse_aip_store.dat
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	STORE	STORE	Store	Number	(10,0)
2	STORE	STORE_NAME	Store Name	Varchar2	20
3	STORE	DISTRICT	District	Number	(10,0)
4	STORE	STORE_CLOSE_DATE	Store Close Date	Date	N/A
5	STORE	STORE_OPEN_DATE	Store Open Date	Date	(4,0)
6	STORE	STORE_CLASS	Store Class	Varchar2	1
7	CODE_DETAIL	CODE_DESC	Store Class Description	Varchar2	40
8	STORE	STORE_FORMAT	Store Format	Number	(4,0)
9	STORE_FORMAT	FORMAT_NAME	Store Format Name	Varchar2	20
10	STORE	STOCKHOLDING_IND	Stock Holding Indicator	Varchar2	1
11	STORE	REMERCH_IND	Re-merchandise Indicator	Varchar2	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	STORE	Store	int	11	N/A
2	STORE_NAME	Store Name	string	20	N/A
3	DISTRICT	District	int	11	N/A
4	STORE_CLOSE_DATE	Store Close Date	date	8	N/A
5	STORE_OPEN_DATE	Store Open Date	date	8	N/A
6	STORE_CLASS	Store Class	string	1	N/A
7	STORE_CLASS_DESCRIPTION	Store Class Description	string	40	N/A
8	STORE_FORMAT	Store Format	int	5	N/A
9	FORMAT_NAME	Store Format Name	string	20	N/A
10	STOCKHOLDING_IND	Stock Holding Indicator	string	1	N/A
11	REMERCH_IND	Re-merchandise Indicator	string	1	N/A

Filtering Conditions

```
s.STORE_FORMAT = sf.STORE_FORMAT(+) AND s.STORE_CLASS = cd.CODE AND cd.CODE_TYPE =
'CSTR' AND s.STOCKHOLDING_IND = 'Y'
```

Item Supplier Country Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	contains Item, Supplier and Supplier Pack Size information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	rmse_aip_item_supp_country.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY	Target Object Name	rmse_aip_item_supp_country.dat / aip_dmx_prdspllks.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier	Number	(12,4)
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	ITEM_SUPP_COUNTRY	PRIMARY_SUPP_IND	Primary Supplier Indicator	Varchar2	1

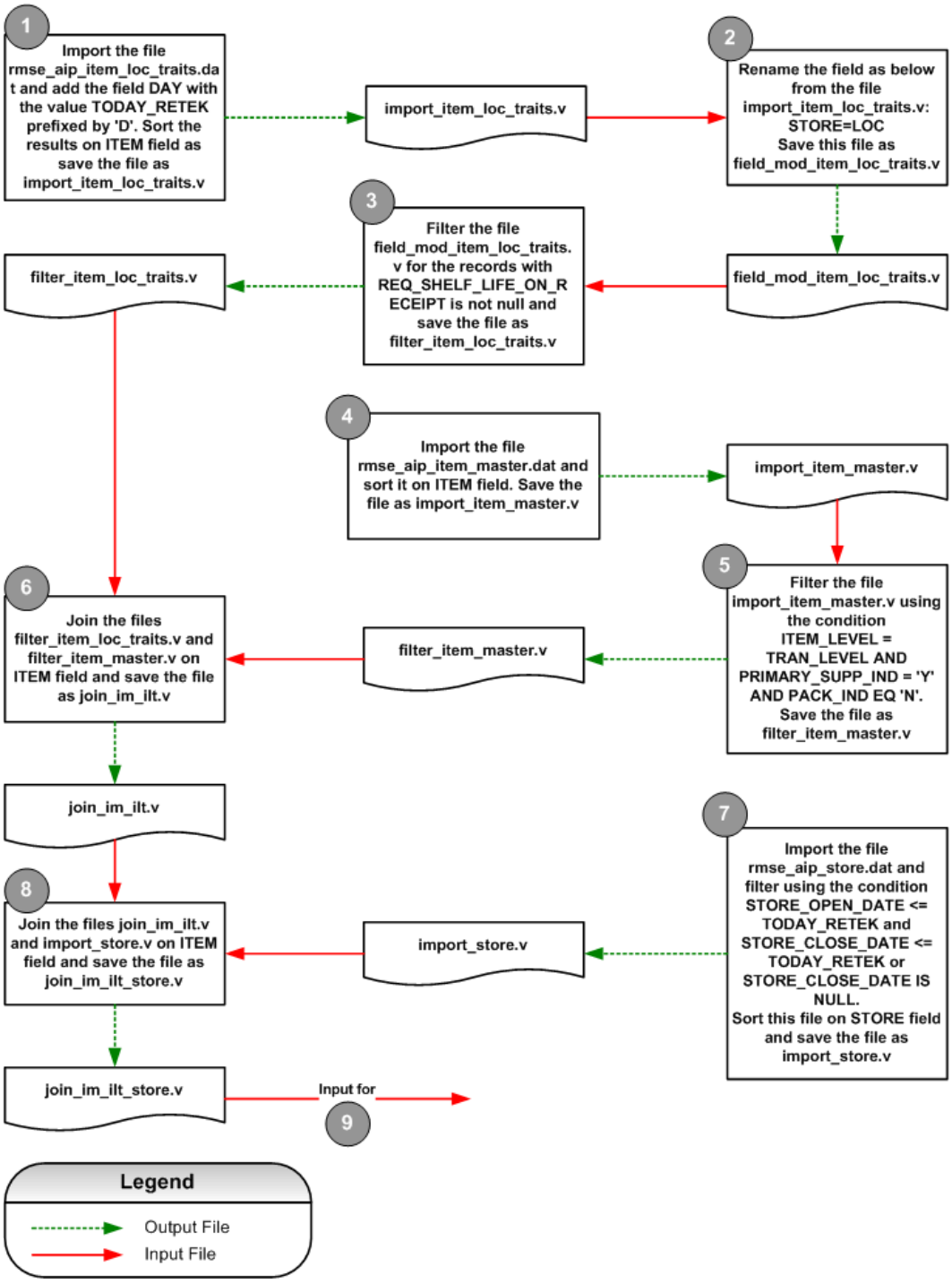
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	PRIMARY_SUPP_IIND	Primary Supplier Indicator	String	1	N/A

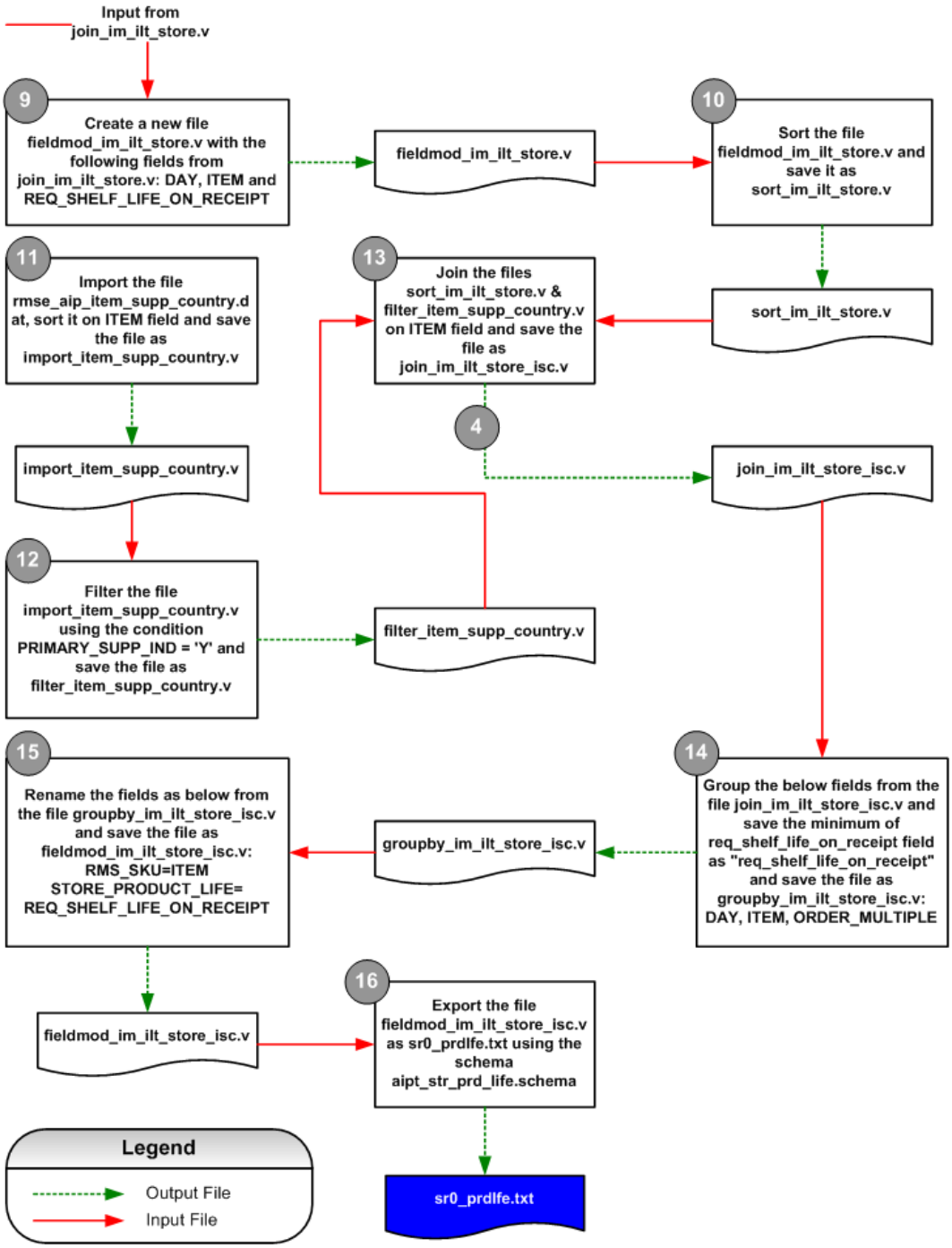
Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' AND
isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd')
```

Transformation Process-– Store Product Life



Store Product Life Transformation Process Diagram (1 of 2)



Store Product Life Transformation Process Diagram (2 of 2)

Final sr0_prdlfe.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Product Life Data	Contains Item, location and shelf life on receipt details

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_str_prd_life.ksh
Schema File	aipt_str_prd_life.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY, ITEM_LOC_TRAITS	Target Object Name	sr0_prdlfe.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	N/A	N/A	N/A	N/A	N/A
2	ITEM_MASTER	ITEM	Item	Varchar2	25
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size/ Inner Pack Size/ Quantity	Number	(12,4)
4	ITEM_LOC_TRAITS	REQ_SHELF_LIFE_ON_RECEIPT	Shelf Life on Receipt	Number	(4,0)

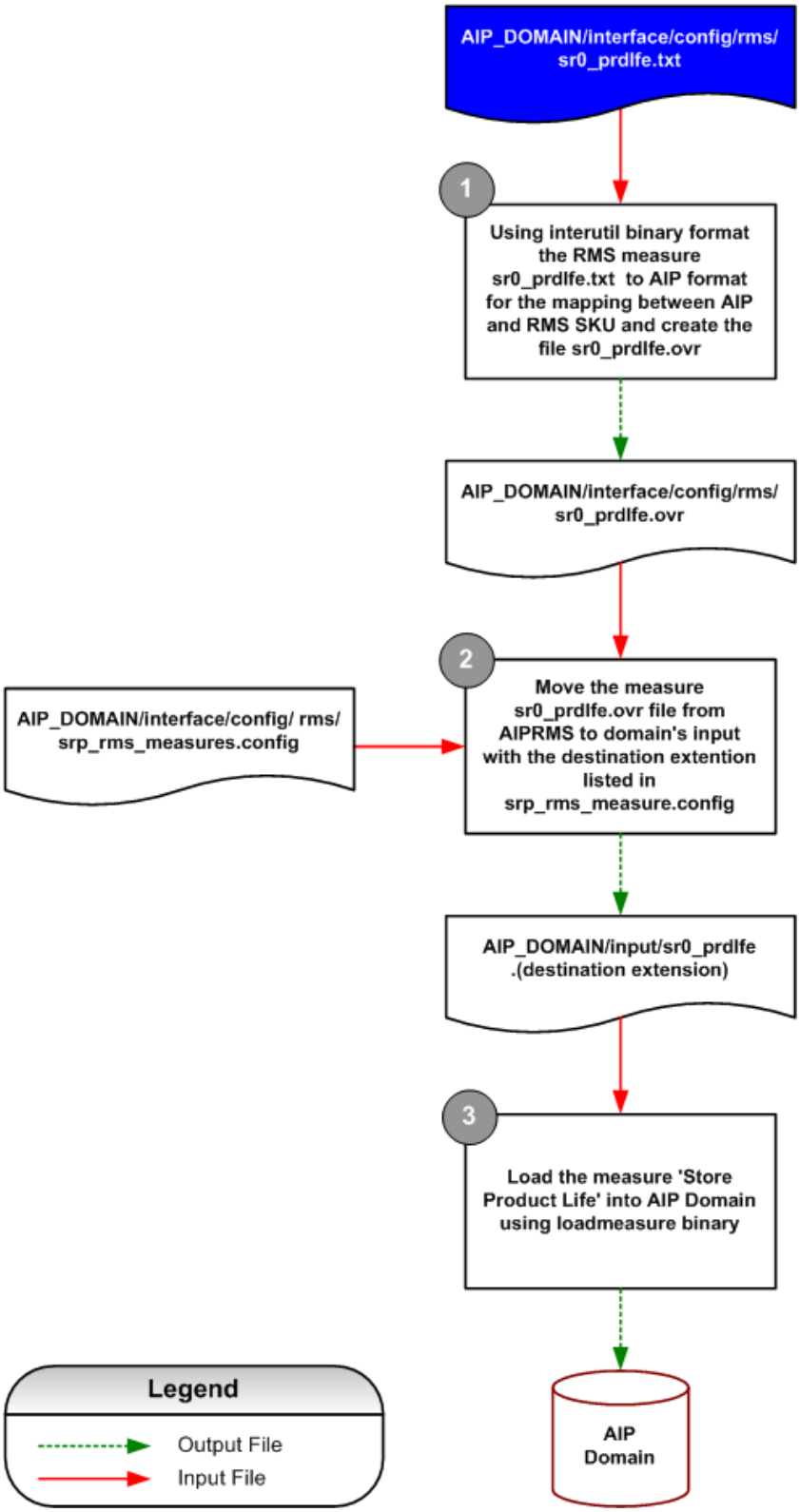
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	DAY	Current Day	string	9	Hard coded with TODAY_RETEK value with prefix 'D'
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULTIPLE	Pack Size	int	4	N/A
4	STORE_PRODUCT_LIFE	Store Product Life	int	8	N/A

Filtering Conditions

See the Transformation Process – Store Product Life.

Store Product Life – AIP Load Process



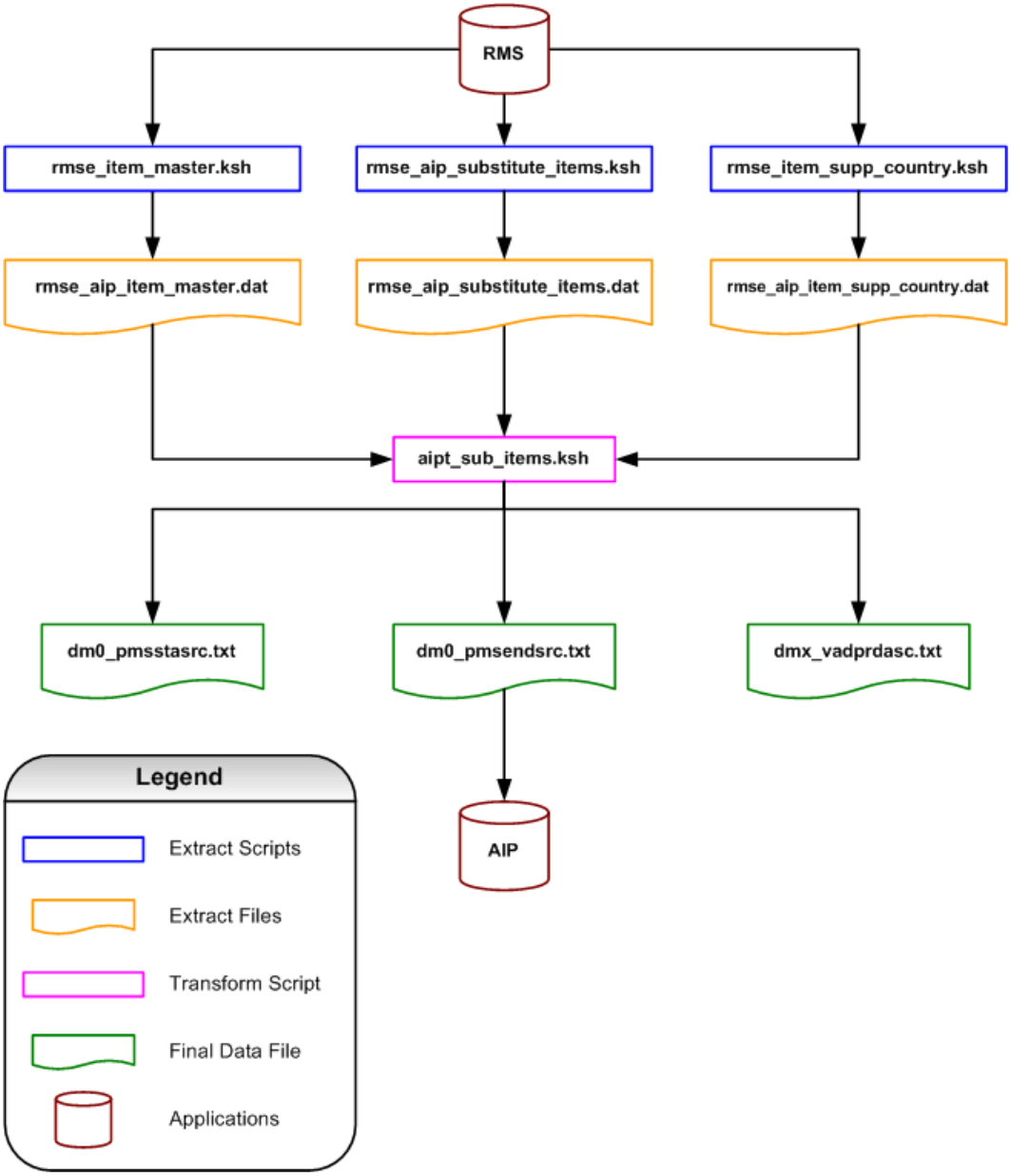
Store Product Life – AIP Load Process Diagram

RMS-AIP-Substitute Items Mapping

Substitute Items Data Flow

Transformation Overview

A new AIP transformation program, aipt_sub_items.ksh, will first join the item master and item substitutes extracts, followed by merging the result with the item supplier country extracts, and the result will be exported as promotional start dates file, promotional end dates file and Valued added commodities file.



Substitute Items Data Flow Diagram

Item Master Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Data	Contains RMS item, pack, supplier, and supplier pack size etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_master.ksh
Schema File	rmse_aip_item_master.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, UOM_CLASS, CODE_DETAIL, V_PACKSKU_QTY, PACKITEM	Target Object Name	rmse_aip_item_master.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_MASTER	ITEM	Item	Varchar2	25
2	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
3	ITEM_MASTER	ITEM_DESC	Item Description	Varchar2	100
4	ITEM_MASTER	ITEM_PARENT	Item Parent	Varchar2	25
5	ITEM_MASTER	ITEM_GRANDPARENT	Item Grandparent	Varchar2	25
6	V_PACKSKU_QTY ITEM_MASTER	ITEM	Item	Varchar2	25
7	ITEM_MASTER	SUBCLASS	Subclass	Number	4
8	ITEM_MASTER	CLASS	Class	Number	4
9	ITEM_MASTER	DEPT	Department	Number	4
10	ITEM_MASTER	FORECAST_IND	Forecastable Indicator	Varchar2	1
11	ITEM_SUPPLIER	SUPPLIER	Supplier	Number	(10,0)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
12	ITEM_SUPPLIER	PRIMARY_SUP_IND	Primary Supplier Indicator	Varchar2	1
13	ITEM_MASTER	STANDARD_UOM	Standard UOM	Varchar2	4
14	UOM_CLASS	UOM_DESC	Standard UOM Description	Varchar2	20
15	ITEM_MASTER	HANDLING_TEMP	SKU Handling Temperature	Varchar2	6
16	CODE_DETAIL	CODE_DESC	SKU Handling Temperature Description	Varchar2	40
17	V_PACKSKU_QTY	QTY	Pack Quantity	Number	(12,4)
18	ITEM_MASTER	PACK_IND	Package Indicator	Varchar2	1
19	ITEM_MASTER	SIMPLE_PACK_IND	Simple Pack Indicator	Varchar2	1
20	ITEM_MASTER	ITEM_LEVEL	Item Level	Number	(1,0)
21	ITEM_MASTER	TRAN_LEVEL	Transaction Level	Number	(1,0)
22	ITEM_MASTER	RETAIL_LABEL_TYPE	Retail Label Type	Varchar2	6
23	ITEM_MASTER	BANDED_ITEM_IND	Banded Item Indicator	Varchar2	1
24	ITEM_MASTER	CATCH_WEIGHT_IND	Catch Weight Indicator	Varchar2	1
25	ITEM_MASTER	SELLABLE_IND	Sellable Indicator	Varchar2	1
26	ITEM_MASTER	ORDERABLE_IND	Orderable Indicator	Varchar2	1
27	ITEM_MASTER	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	Varchar2	6

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	ITEM_DESC	Item Description	String	100	N/A
3	RMS_SKU_DESCRIPTION	RMS SKU Description	String	60	SUBSTR (item_master. ITEM_DESC,1,60)
4	ITEM_PARENT	Item Parent	String	25	N/A
5	ITEM_GRANDPARENT	Item Grandparent	String	25	N/A
6	AIP_SKU	AIP SKU	String	25	NVL (v_packsku_qty.ITEM, item_master.ITEM)
7	SUBCLASS	Subclass	int	5	N/A
8	CLASS	Class	int	5	N/A
9	DEPT	Department	int	5	N/A
10	FORECAST_IND	Forecastable Indicator	String	1	N/A
11	SUPPLIER	Supplier	int	11	N/A

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
12	PRIMARY_SUPP_IND	Primary Supplier Indicator	String	1	N/A
13	STANDARD_UOM	Standard UOM	String	4	N/A
14	STANDARD_UOM _DESCRIPTION	Standard UOM Description	String	20	N/A
15	SKU_TYPE	SKU Type	String	6	NVL (item_master. HANDLING_TEMP, 0)
16	SKU_TYPE_DESCRIPTION	SKU Type Description	String	40	NVL (code_detail. CODE_DESC, 0)
17	PACK_QUANTITY	Pack Component Quantity	int	4	NVL (v_packsku_qty. QTY,0)
18	PACK_IND	Pack Indicator	String	1	N/A
19	SIMPLE_PACK_IND	Simple Pack Indicator	String	1	N/A
20	ITEM_LEVEL	Item Level	int	1	N/A
21	TRAN_LEVEL	Transaction Level	int	1	N/A
22	RETAIL_LABEL_TYPE	Retail Label Type	String	6	N/A
23	BANDED_ITEM_IND	Banded Item Indicator	String	1	DECODE (item_master. BANDED_ITEM_IND, 'Y', '1', '0')
24	CATCH_WEIGHT_IND	Catch Weight Indicator	String	1	N/A
25	SELLABLE_IND	Sellable Indicator	String	1	N/A
26	ORDERABLE_IND	Orderable Indicator	String	1	N/A
27	DEPOSIT_ITEM_TYPE	Deposit Item Indicator	String	6	N/A

Filtering Conditions

```
im.ITEM = isup.ITEM AND im.ITEM = p.PACK_NO (+) AND im.STANDARD_UOM=uc.UOM AND
im.HANDLING_TEMP=cd.CODE(+) AND im.STATUS='A' AND im.INVENTORY_IND ='Y' AND
((im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y') OR (im.SIMPLE_PACK_IND = 'Y' AND
im.item IN (SELECT pm.pack_no FROM item_master im1, packitem pm WHERE pm.item =
im1.item AND im1.forecast_ind = 'Y' AND im1.aip_case_type = 'F')))
```

Substitute Item Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Substitute Items Data	Contains Item, its substitute items, date range etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_substitute_items.ksh
Schema File	rmse_aip_substitute_items.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUB_ITEMS_DETAIL	Target Object Name	rmse_aip_substitute_items.dat
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUB_ITEMS_DETAIL	ITEM	Item	Varchar2	25
2	SUB_ITEMS_DETAIL	LOCATION	Location	Number	(10,0)
3	SUB_ITEMS_DETAIL	SUB_ITEM	Substitute Item	Varchar2	25
4	SUB_ITEMS_DETAIL	LOC_TYPE	Location Type	Varchar2	1
5	SUB_ITEMS_DETAIL	START_DATE	Start Date	Date	N/A
6	SUB_ITEMS_DETAIL	END_DATE	End Date	Date	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	LOCATION	Location	int	10	N/A
3	SUB_ITEM	Substitute Item	String	25	N/A
4	LOC_TYPE	Location Type	int	1	N/A
5	START_DATE	Start Date	date	8	N/A
6	END_DATE	End Date	date	8	N/A

Filtering Conditions

None.

Item Supplier Country Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Supplier Country Data	Contains Item, Supplier and Supplier Pack Size information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_item_supp_country.ksh
Schema File	rmse_aip_item_supp_country.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_SUPPLIER, ITEM_SUPP_COUNTRY, V_PACK_SKU_QTY	Target Object Name	rmse_aip_item_supp_country.dat / aip_dmx_prdspllks.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_SUPP_COUNTRY	ITEM	Item	Varchar2	25
2	ITEM_SUPP_COUNTRY	SUPPLIER	Supplier	Number	(10,0)
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	ITEM_SUPP_COUNTRY	PRIMARY_SUPP_IND	Primary Supplier Indicator	Varchar2	1

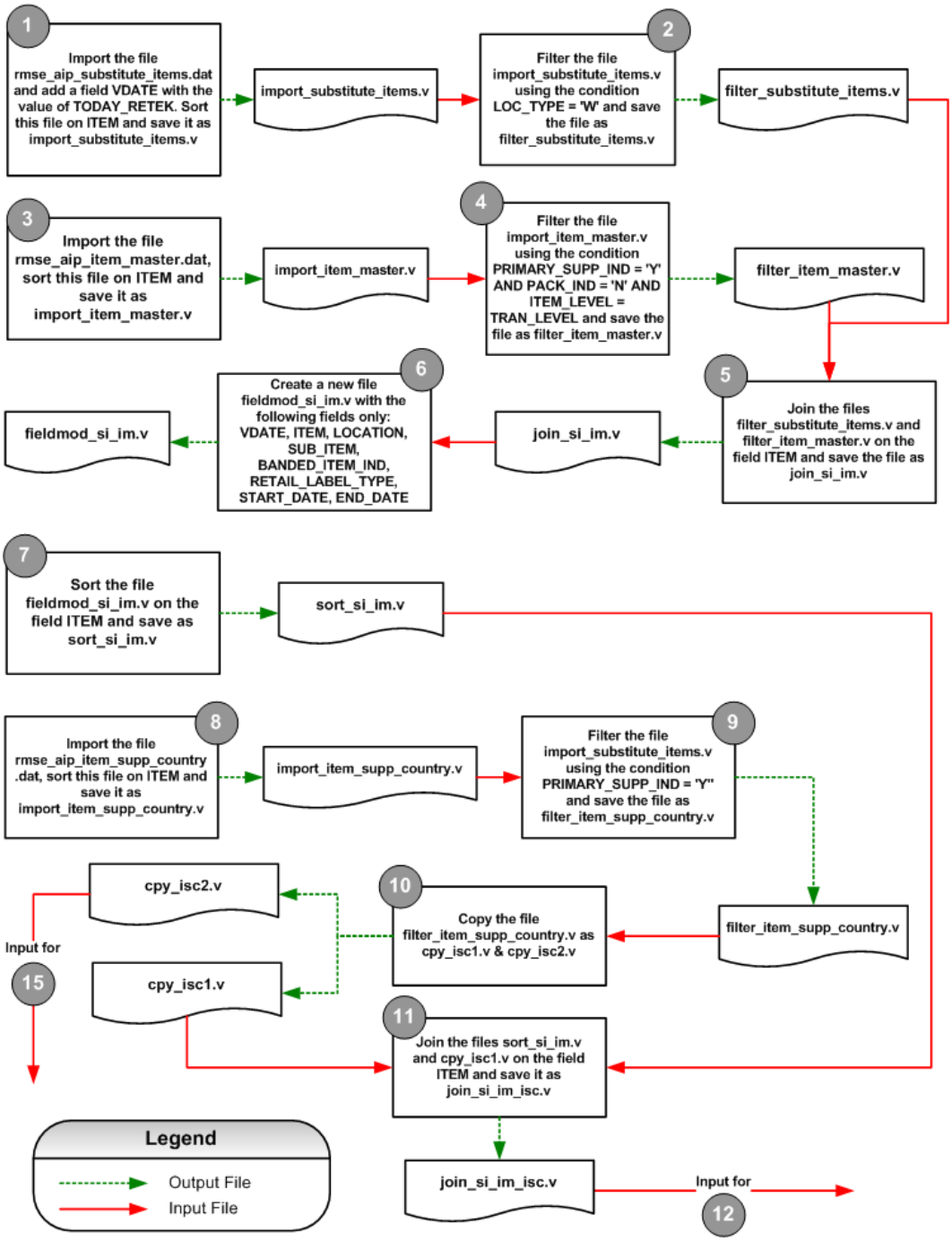
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	ITEM	Item	String	25	N/A
2	SUPPLIER	Supplier	int	11	N/A
3	ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	PRIMARY_SUPP_IIND	Primary Supplier Indicator	String	1	N/A

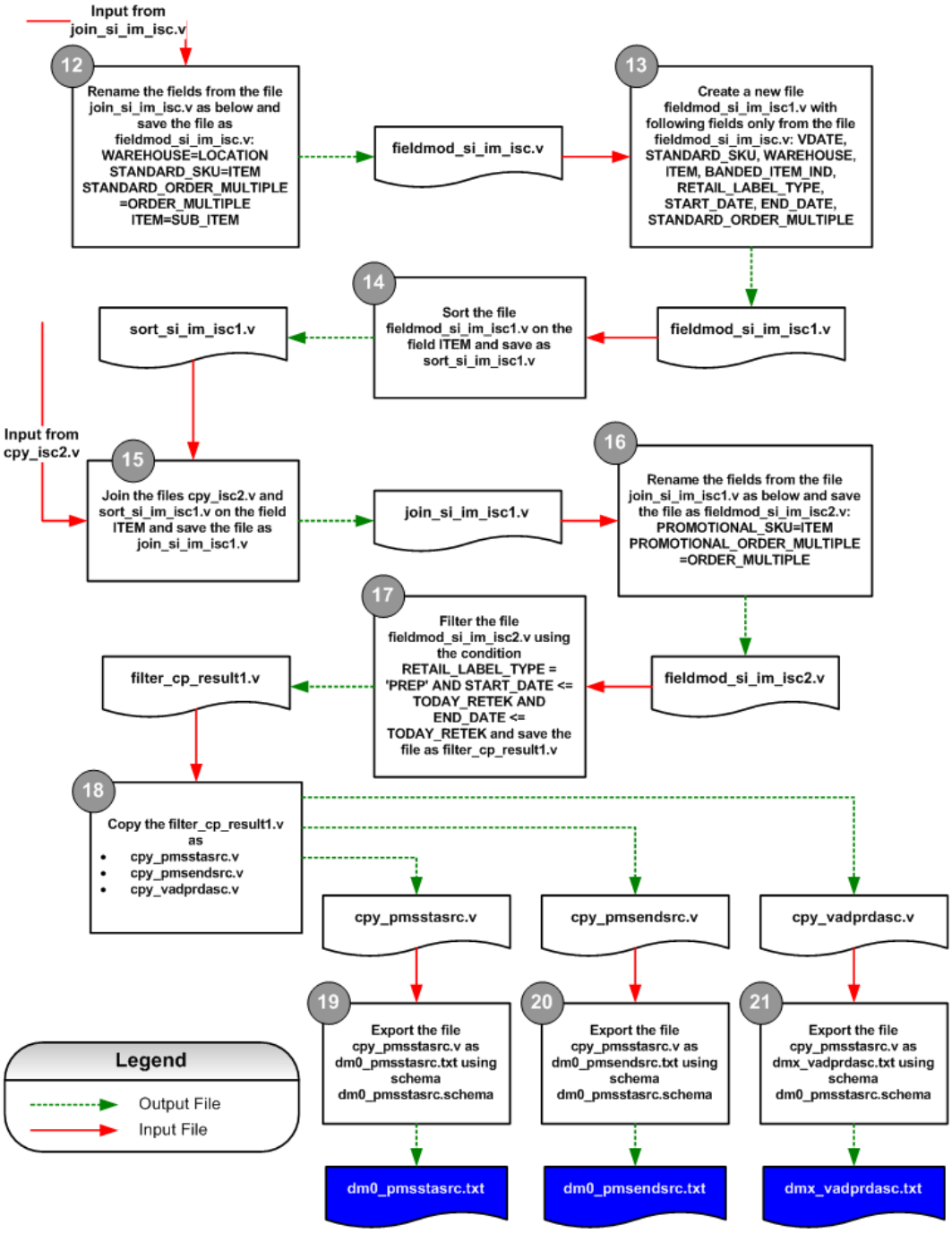
Filtering Conditions

```
isc.PRIMARY_COUNTRY_IND = 'Y' AND im.ITEM = isc.ITEM AND im.ITEM = isup.ITEM AND
im.STATUS = 'A' AND im.TRAN_LEVEL = im.ITEM_LEVEL AND im.INVENTORY_IND = 'Y' AND
im.AIP_CASE_TYPE = 'I' AND im.PACK_IND = 'N' AND im.FORECAST_IND = 'Y' AND
isup.SUPPLIER = isc.SUPPLIER AND NVL(isup.SUPP_DISCONTINUE_DATE,
to_date('${VDATE}','yyyymmdd')+1) > to_date('${VDATE}','yyyymmdd')
```

Transformation Process – Substitute Items



Substitute Items Transformation Process Diagram (1 or 2)



Substitute Items Transformation Process Diagram (2 or 2)

Final dm0_pmsstasrc.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Promotional Start Dates	Contains warehouse, promotional SKU, start date etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_sub_items.ksh
Schema File	aipt_dm0_pmsstasrc.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUB_ITEMS_DETAIL, ITEM_SUPP_COUNTRY, V_PACKSKU_QTY, ITEM_MASTER	Target Object Name	dm0_vadprdasc.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUB_ITEMS_DETAIL	LOCATION	Location	Number	(10,0)
2	SUB_ITEMS_DETAIL	SUB_ITEM	Item	Varchar2	25
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	SUB_ITEMS_DETAIL	START_DATE	Start Date	Date	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Warehouse	int	20	N/A
2	PROMOTIONAL_SKU	Promotional SKU	string	20	N/A
3	PROMOTIONAL_ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	START_DATE	Promotion Start Date	date	8	N/A

Filtering Conditions

None.

Final dm0_pmsendsrc.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Promotional End Date	Contains warehouse, promotional SKU, end date etc

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_sub_items.ksh
Schema File	aipt_dm0_pmsendsrc.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUB_ITEMS_DETAIL, ITEM_SUPP_COUNTRY, V_PACKSKU_QTY, ITEM_MASTER	Target Object Name	dm0_pmsendsrc.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUB_ITEMS_DETAIL	LOCATION	Location	Number	(10,0)
2	SUB_ITEMS_DETAIL	SUB_ITEM	Substitute Item	Varchar2	25
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	SUB_ITEMS_DETAIL	END_DATE	End Date	Date	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Warehouse	int	20	N/A
2	PROMOTIONAL_SKU	Promotional SKU	string	20	N/A
3	PROMOTIONAL_ORDER_MULTIPLE	Order Multiple	int	4	N/A
4	END DATE	Promotion End Date	date	8	N/A

Filtering Conditions

None.

Final dmx_vadprdasc.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Value Added Commodities	Contains the promotional SKUs for standard SKUs

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aipt_sub_items.ksh
Schema File	aipt_dmx_vadprdasc.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUB_ITEMS_DETAIL, ITEM_MASTER, V_PACKSKU_QTY, ITEM_SUPP_COUNTRY	Target Object Name	dmx_vadprdasc.txt
		Target Load Type	Full Load

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUB_ITEMS_DETAIL	SUB_ITEM	Substitute Item	Varchar2	25
2	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
3	ITEM_MASTER	ITEM	Item	Varchar2	25
4	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)

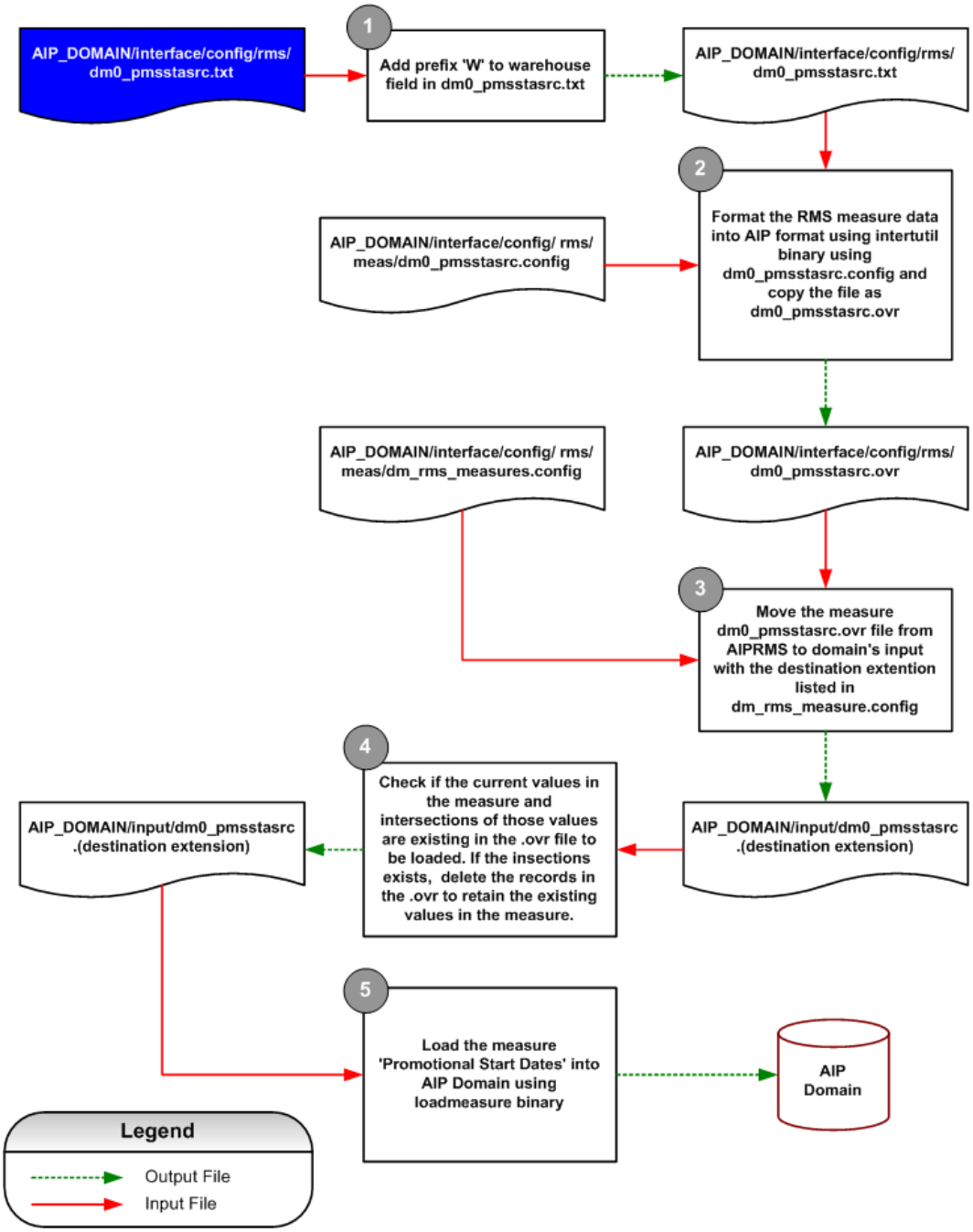
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	PROMOTIONAL_SKU	Promotional SKU	string	20	N/A
2	PROMOTIONAL_ORDER_MULTIPLE	Promotional SKU Order Multiple	int	4	N/A
3	STANDARD_SKU	Standard SKU	string	20	N/A
4	STANDARD_ORDER_MULTIPLE	Standard SKU Order Multiple	int	4	N/A

Filter Conditions

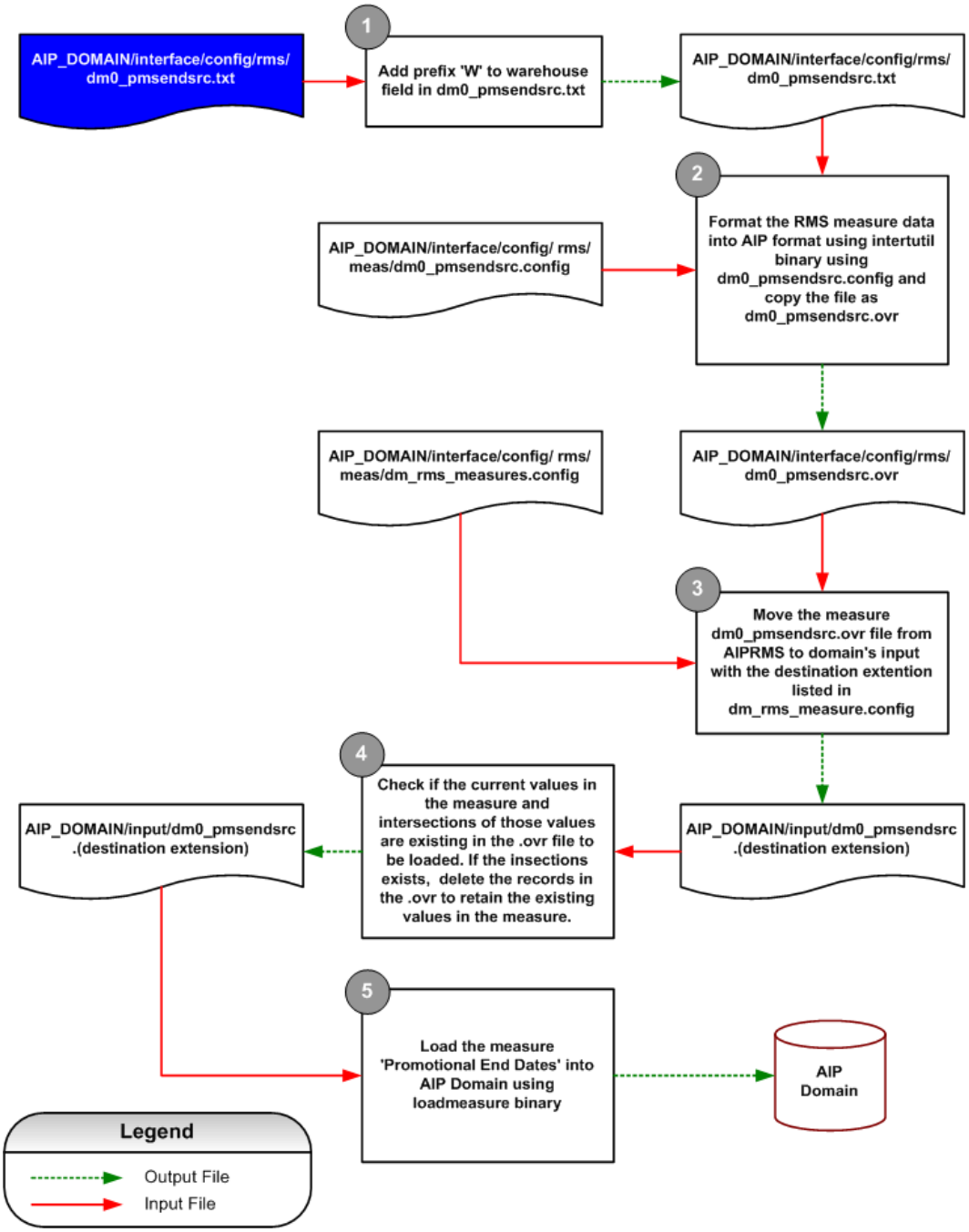
None.

Promotional Start Date – AIP Load Process



Promotional Start Date AIP Load Process Diagram

Promotional End Dates – AIP Load Process

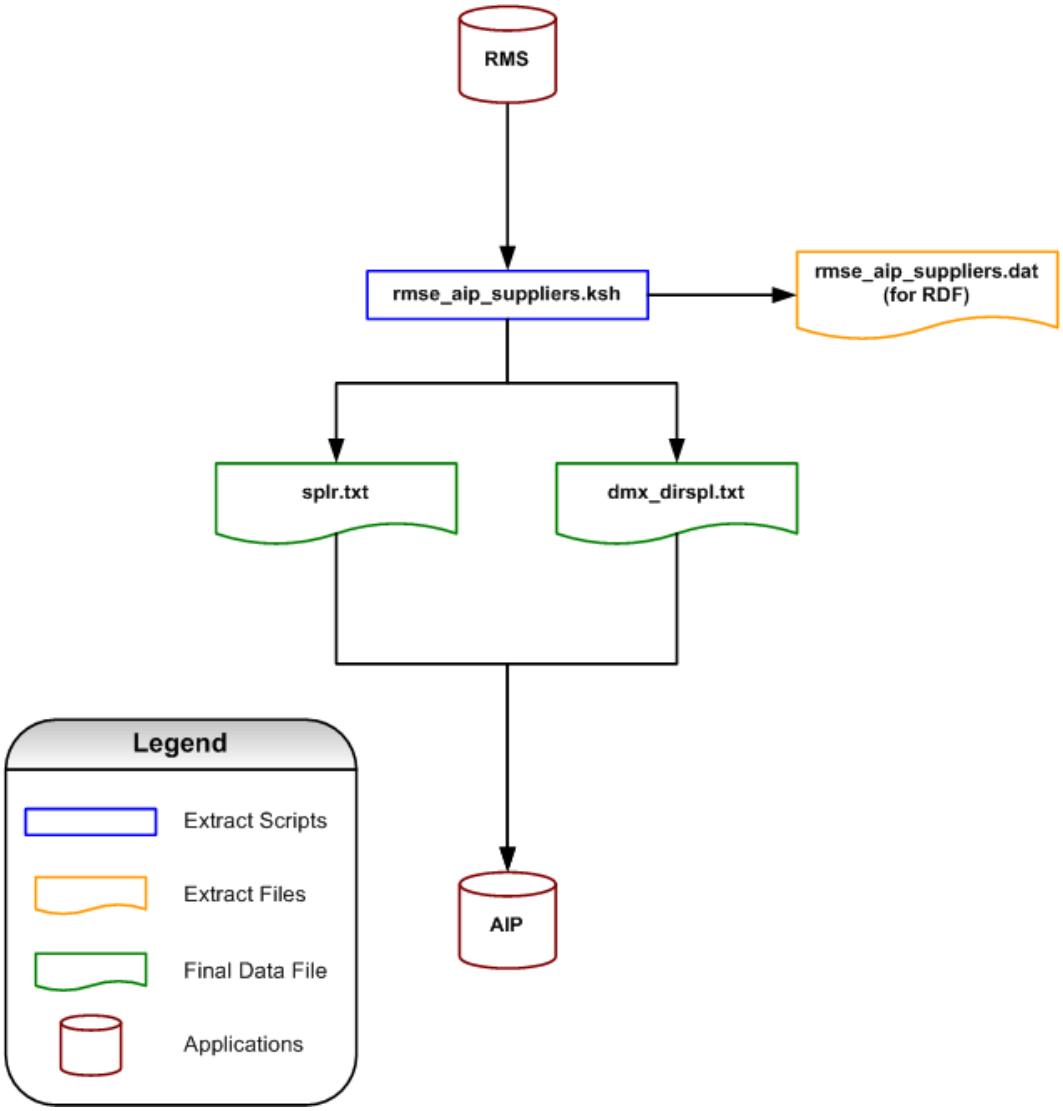


Promotional End Date AIP Load Process Diagram

RMS-AIP-Supplier Mapping

Supplier Data Flow

No transformation required Supplier Feed. The extract program directly produces files required by AIP.



Supplier Data Flow Diagram

Final splr.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Supplier Hierarchy	Contains Supplier number and name

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_suppliers.ksh
Schema File	rmse_aip_splr.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUPS	Target Object Name	splr.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUPS	SUPPLIER	Supplier	Number	(10,0)
2	SUPS	SUP_NAME	Supplier Name	Varchar2	32

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	SUPPLIER	Supplier	int	20	N/A
2	SUPPLIER_DESCRIPTION	Supplier Description	string	40	N/A

Filtering Conditions

```
SUPS.SUP_STATUS='A'
```

Direct Supplier Extract

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Direct Suppliers	Contains the supplier and direct supplier flag information

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_suppliers.ksh
Schema File	rmse_aip_dmx_dirsplr.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	SUPS	Target Object Name	dmx_dirsplr.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	SUPS	SUPPLIER	Supplier	Number	(10,0)
2	SUPS	DSD_IND	Direct Supplier Indicator	Varchar2	1

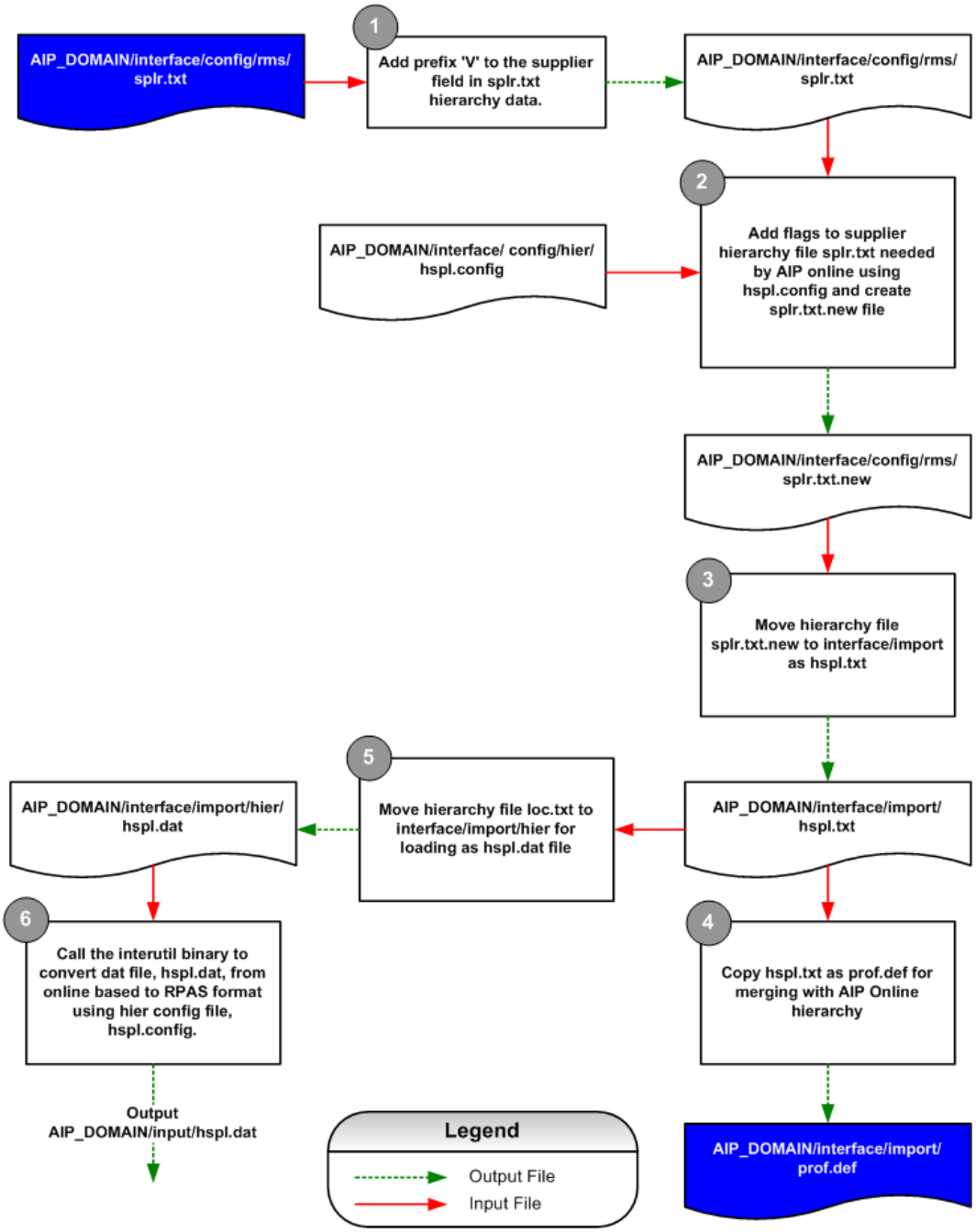
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	SUPPLIER	Supplier	int	20	N/A
2	DIRECT_SUPPLIER	Direct Supplier Indicator	string	1	DECODE (DSD_IND, 'Y','1', 'N','0')

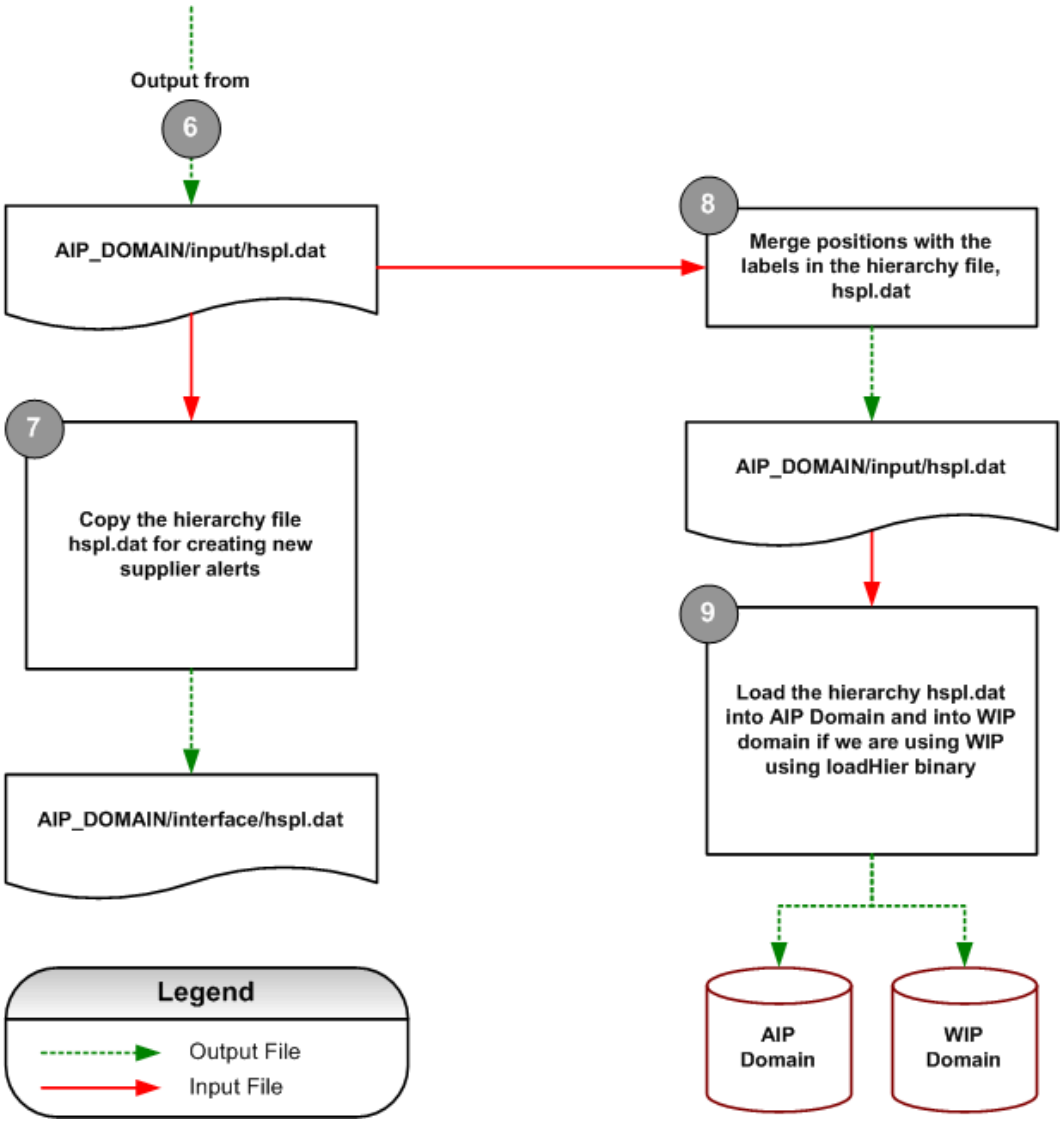
Filtering Conditions

```
SUPS.SUP_STATUS='A'
```

Supplier Load Process into AIP RPAS



Supplier Load Process into AIP RPAS Diagram (1 of 2)

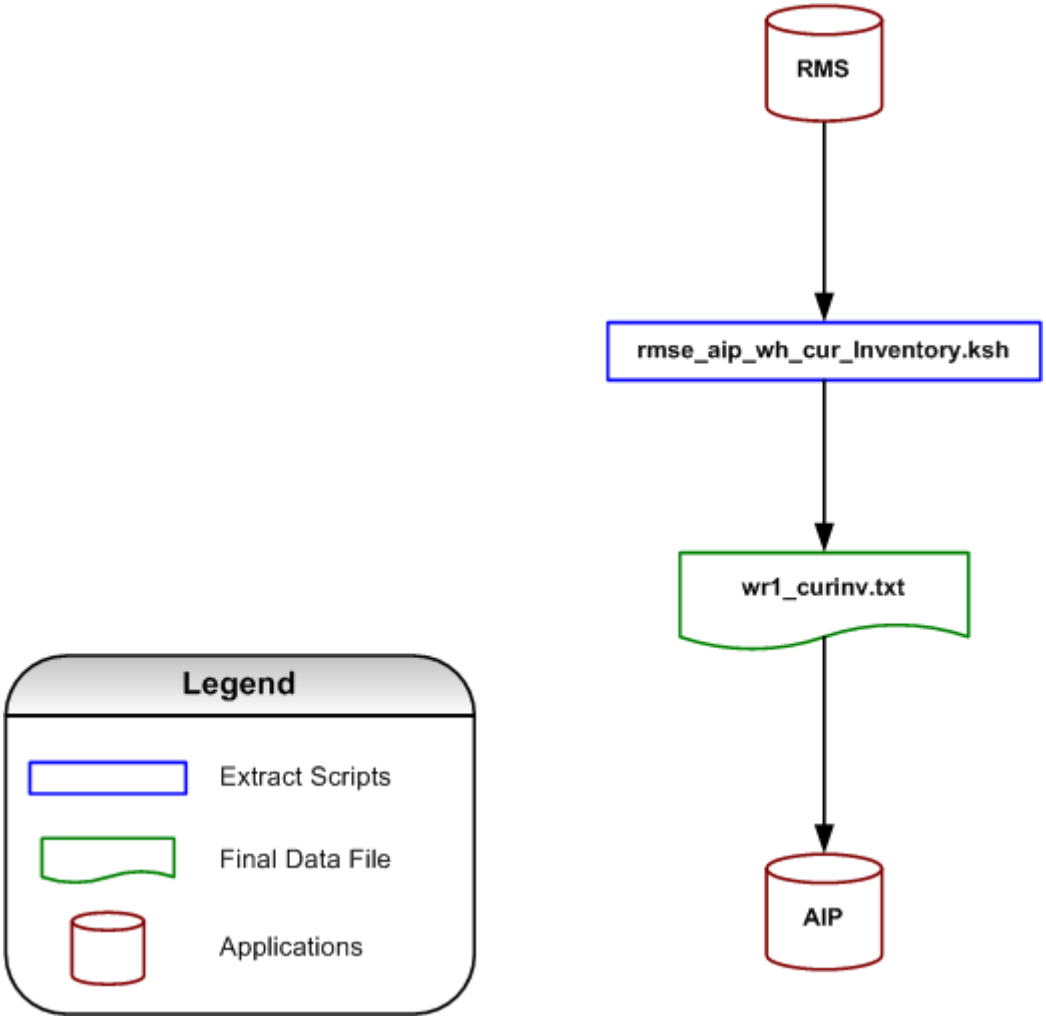


Supplier Load Process into AIP RPAS Diagram (2 of 2)

RMS-AIP-Warehouse Current Inv Mapping

Warehouse Current Inventory Data Flow

The final output files required by AIP will be created directly by these extracts with all necessary data transformations performed in the extract modules. No separate data transformation modules will be created. The reason that all transformations will be done in the extract modules directly is because some of the mathematical operations needed (such as the MOD function) do not exist in RETL and therefore these must be done during the Oracle SQL SELECT process.



Warehouse Current Inventory Data Flow Diagram

Formal Packs Extract

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Warehouse Current Inventory	Contains Warehouse, SKU, Order Multiple and Inventory values

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_wh_cur_inventory.txt
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_LOC_SOH, ITEM_SUPP_COUNTRY, ALLOC_DETAIL, ALLOC_HEADER, ORDHEAD, ORDLOC, WH, V_PACKSKU_QTY	Target Object Name	wh_fp_inv.v
		Target Load Type	Full

Field Level Mappings – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_LOC_SOH	LOC	Order Number	Number	(10,0)
2	ITEM_MASTER	ITEM	Item	Varchar2	25
3	ITEM_MASTER V_PACKSKU_QTY	SIMPLE_PACK_IND QTY	Pack Quantity	Number	(12,4)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
4	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH, V_PACKSKU_QTY	STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO, QTY	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty, Pack Quantity	Number	(12,4)

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULT	Order Multiple	int	4	DECODE (im.SIMPLE_PACK_IND,'Y', QTY,1)
4	WH_CUR_INV	Warehouse Current Inventory	int	8	Calculation: (STOCK_ON_HAND - (TSF_RESERVED_QTY+ RTV_QTY+ NON_SELLABLE_QTY+ CUSTOMER_RESV+ CUSTOMER_BACKORDER- QTY_DISTRO)) * QTY

Filtering Conditions

None.

Informal Packs Extract

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Warehouse Current Inventory	Contains Warehouse, SKU, Order Multiple and Inventory values

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_wh_cur_inventory.txt
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_LOC_SOH, ITEM_SUPP_COUNTRY, ALLOC_DETAIL, ALLOC_HEADER, ORDHEAD, ORDLOC, WH, V_PACKSKU_QTY	Target Object Name	wh_nfp_inv.v
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_LOC_SOH	LOC	Order Number	Number	(10,0)
2	ITEM_MASTER	ITEM	Item	Varchar2	25
3	N/A	N/A	N/A	N/A	N/A
4	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)
5	ITEM_SUPP_COUNTRY	INNER_PACK_SIZE	Inner Pack Size	Number	(12,4)
6	ITEM_SUPP_COUNTRY	SUPP_PACK_SIZE, TI, HI	Supplier Pack Size	Number	(12,4)

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
7	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH, V_PACKSKU_QTY	PRIMARY_CASE_SIZE, STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO, QTY	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty, Pack Quantity	Number	(12,4)
8	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH, V_PACKSKU_QTY	PRIMARY_CASE_SIZE, STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO, QTY	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty, Pack Quantity	Number	(12,4)
9	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH, V_PACKSKU_QTY	PRIMARY_CASE_SIZE, STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO, QTY	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty, Pack Quantity	Number	(12,4)
10	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH, V_PACKSKU_QTY	PRIMARY_CASE_SIZE, STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO, QTY	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty, Pack Quantity	Number	(12,4)

Field Level Mapping – Target

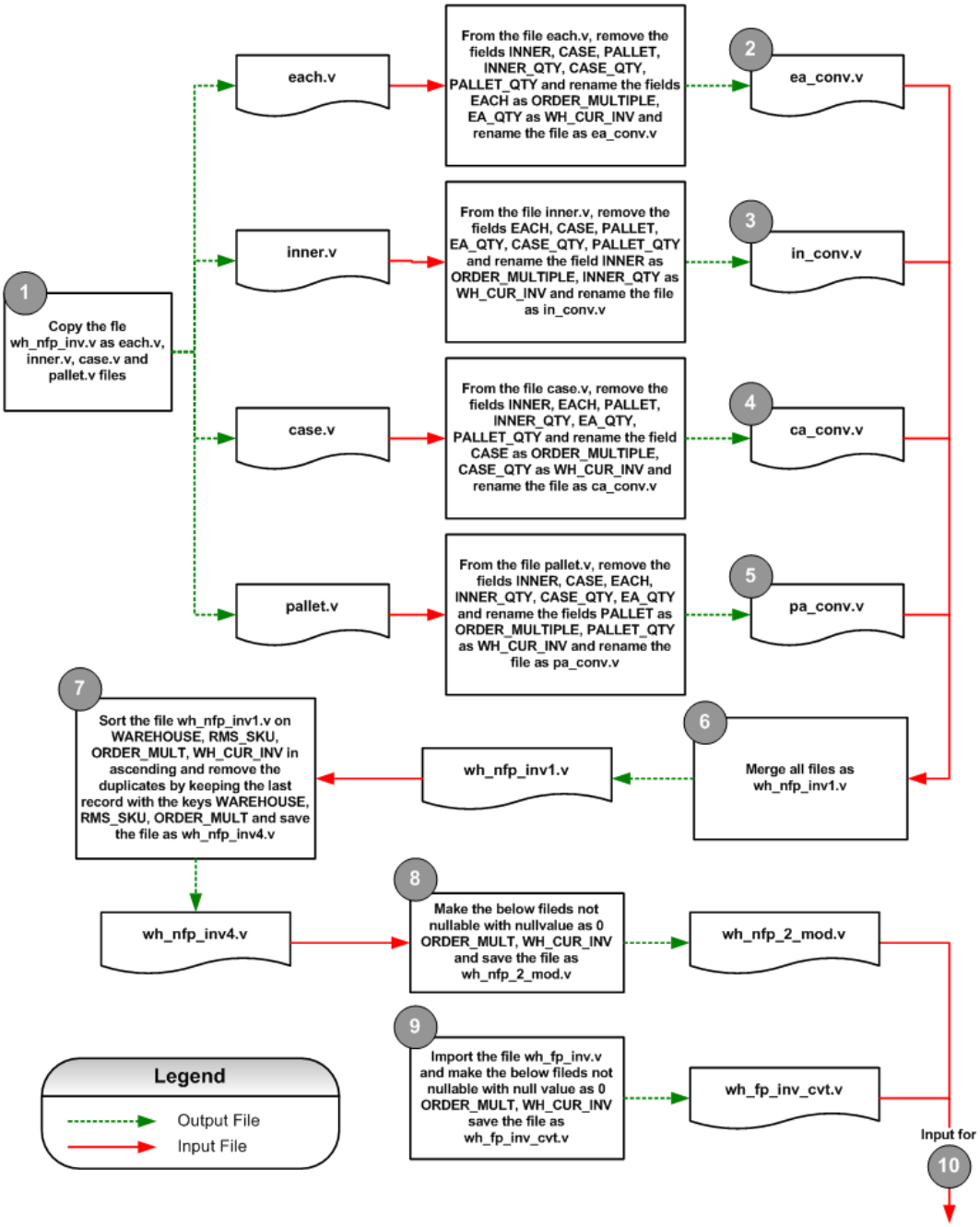
#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	EACH	Eaches	int	4	Hard coded as "1"
4	CASE	Case Pack Size	int	4	N/A
5	INNER	Inner Pack Size	int	4	N/A
6	PALLET	Pallet Size	int	4	(isc.TI * isc.HI * isc.SUPP_PACK_SIZE)
7	EA_QTY	Eaches Quantity	int	8	Calculated field

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
8	EA_QTY	Inner Quantity	int	8	Calculated field
9	EA_QTY	Case Quantity	int	8	Calculated field
10	EA_QTY	Pallet Quantity	int	8	Calculated field

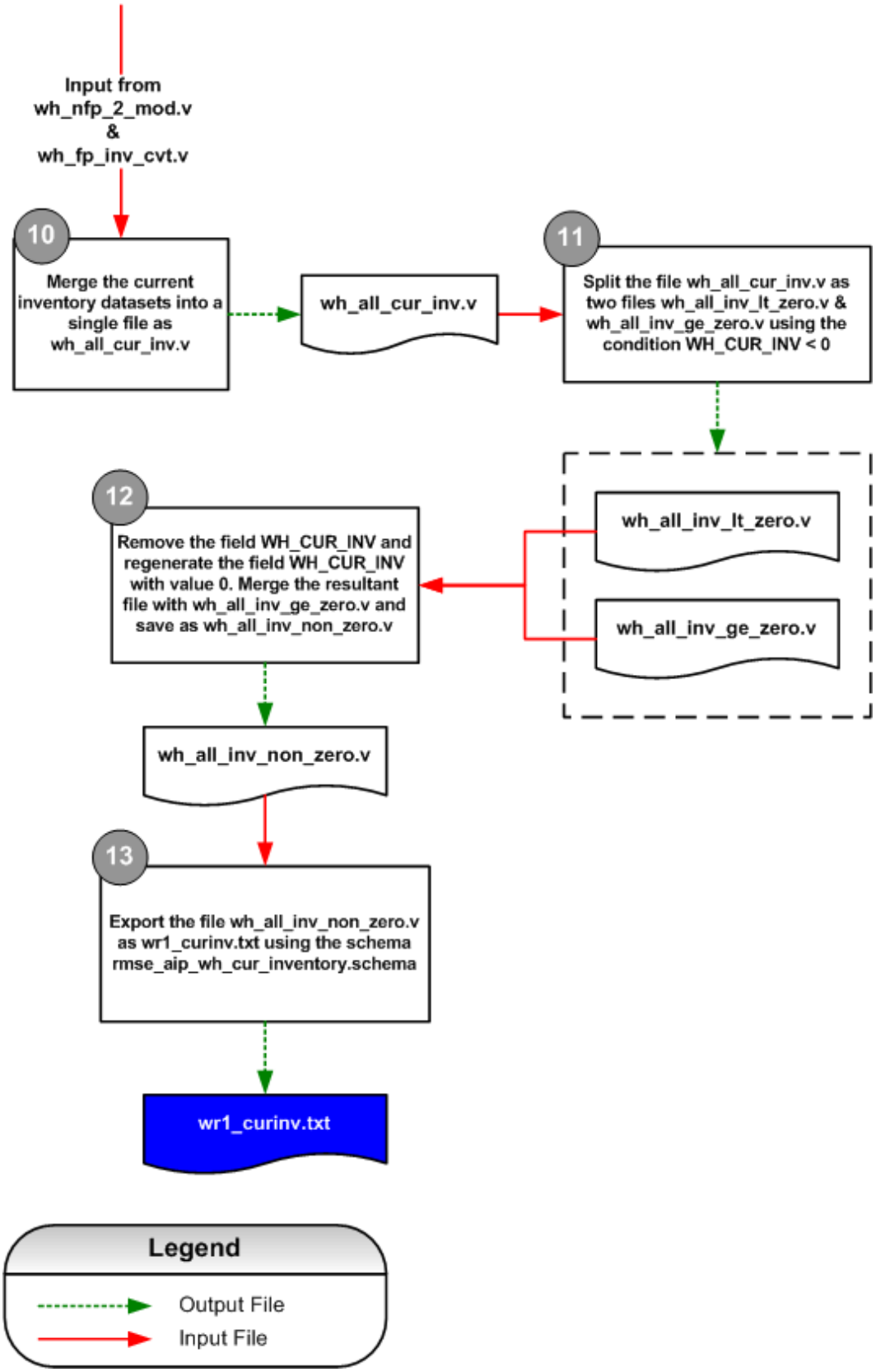
Filtering Conditions

None.

Warehouse Current Inventory Extract Process



Warehouse Current Inventory Extract Process Diagram (1 of 2)



Warehouse Current Inventory Extract Process Diagram (2 of 2)

Final wr1_curinv.txt Layout

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Warehouse Current Inventory	Contains Warehouse, SKU, Order Multiple and Inventory values

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_wh_cur_inventory.txt
Schema File	rmse_aip_store_cur_inventory.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	ITEM_MASTER, ITEM_LOC_SOH, ITEM_SUPP_COUNTRY, ALLOC_DETAIL, ALLOC_HEADER, ORDHEAD, ORDLOC, WH	Target Object Name	wr1_curinv.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	ITEM_LOC_SOH	LOC	Order Number	Number	(10,0)
2	ITEM_MASTER	ITEM	Item	Varchar2	25
3	ITEM_SUPP_COUNTRY V_PACKSKU_QTY	SUPP_PACK_SIZE INNER_PACK_SIZE, TI, HI QTY	Supplier Pack Size / Inner Pack Size / Quantity	Number	(12,4)
4	ITEM_LOC_SOH, ALLOC_DETAIL, ALLOC_HEAD, ORDHEAD, ORDLOC, ITEM_SUPP_COUNTRY, WH	STOCK_ON_HAND, TSF_RESERVED_QTY, RTV_QTY, NON_SELLABLE_QTY, CUSTOMER_RESV, CUSTOMER_BACKORDER, QTY_DISTRO	Stock On Hand, Transfer Reserved, Pending RTV, Non Sellable, Customer Order Reserved, Customer Back Ordered Reserve, External Filling Qty	Number	(12,4)

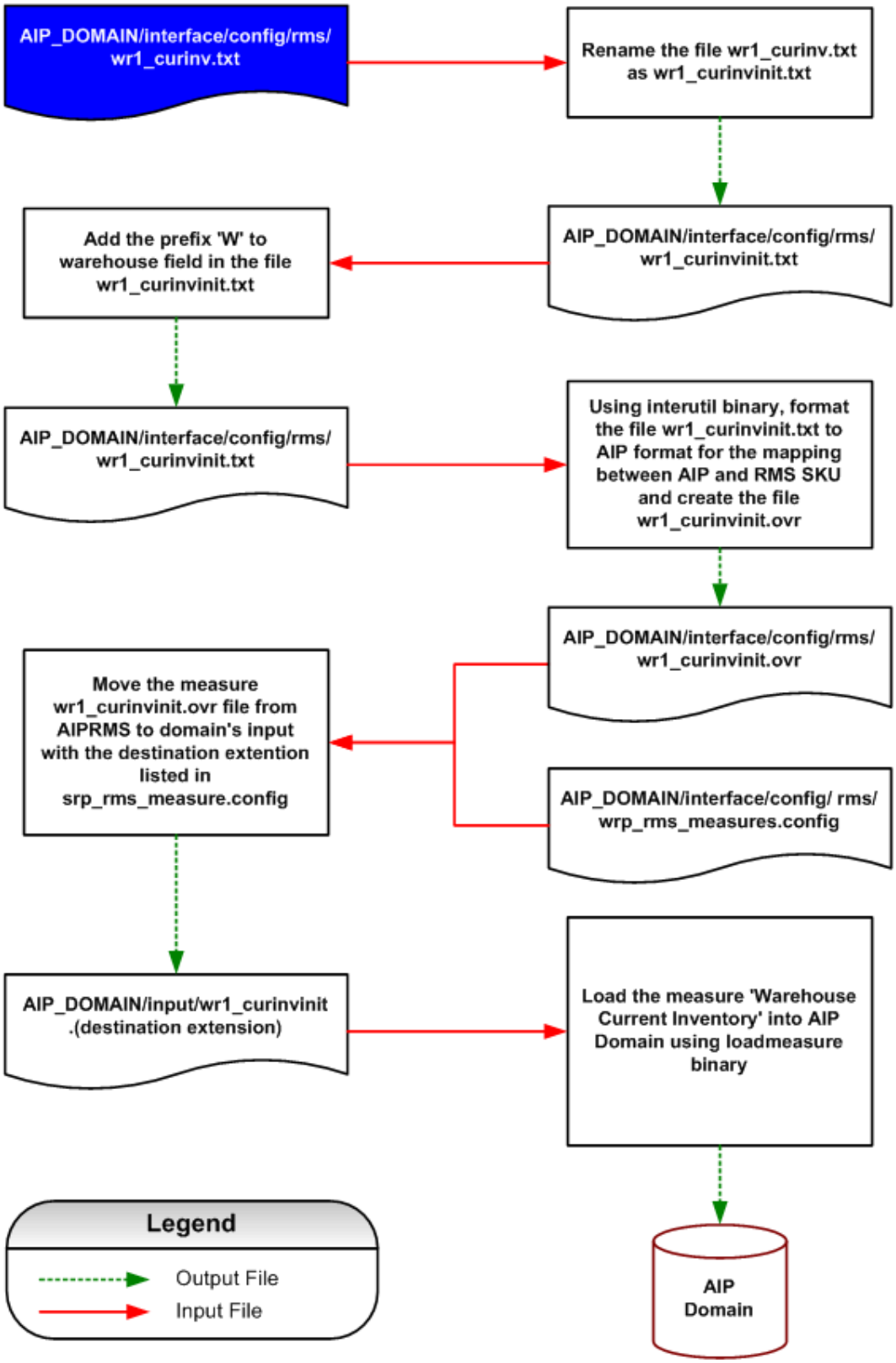
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Store	int	20	N/A
2	RMS_SKU	RMS SKU	string	20	N/A
3	ORDER_MULT	Order Multiple	int	4	
4	WH_CUR_INV	Each Quantity	int	8	Calculated field

Filtering Conditions

None.

Warehouse Current Inventory – AIP Load Process

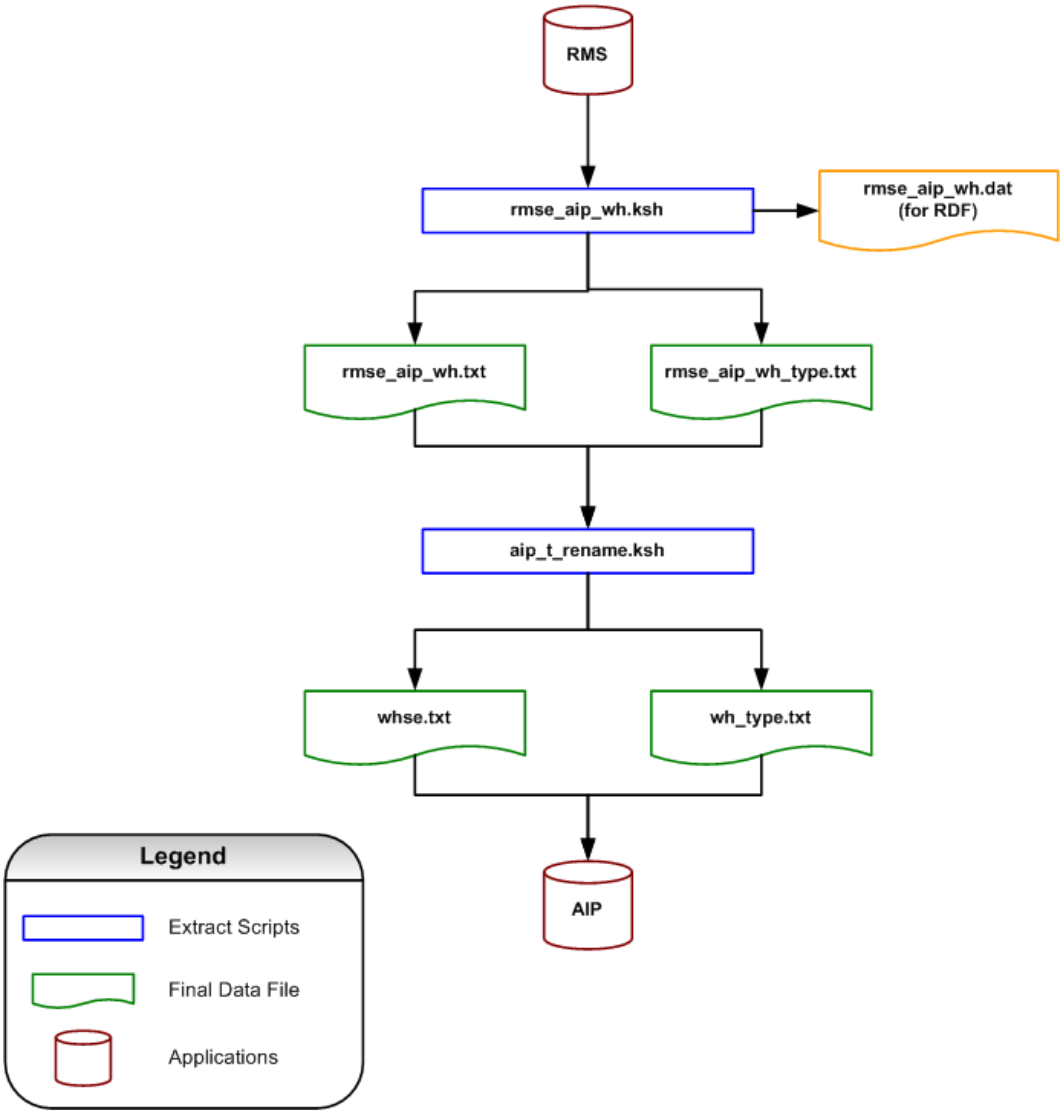


Warehouse Current Inventory AIP Load Process Diagram

RMS-AIP-Warehouse Mapping

Warehouse Data Flow

The transform script aip_t_rename.ksh simply renames files. The output files of aip_t_rename.ksh are whse.txt and wh_type.txt



Warehouse Data Flow Diagram

Warehouse Extract

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Warehouse Hierarchy	Contains Warehouse, Warehouse name, type etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	rmse_aip_wh.ksh
Schema File	rmse_aip_wh.schema
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	WH	Target Object Name	rms_copy.v & aip_copy.v
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	WH	WH	Warehouse	Number	(10,0)
2	WH	WH_NAME	Warehouse Name	Varchar2	20
3	WH	FORECAST_WH_IND	Warehouse Forecast Indicator	Varchar2	1
4	WH	STOCKHOLDING_IND	Stock Hold Indicator	Varchar2	1
5	WH	WH_TYPE	Warehouse Type	Varchar2	6

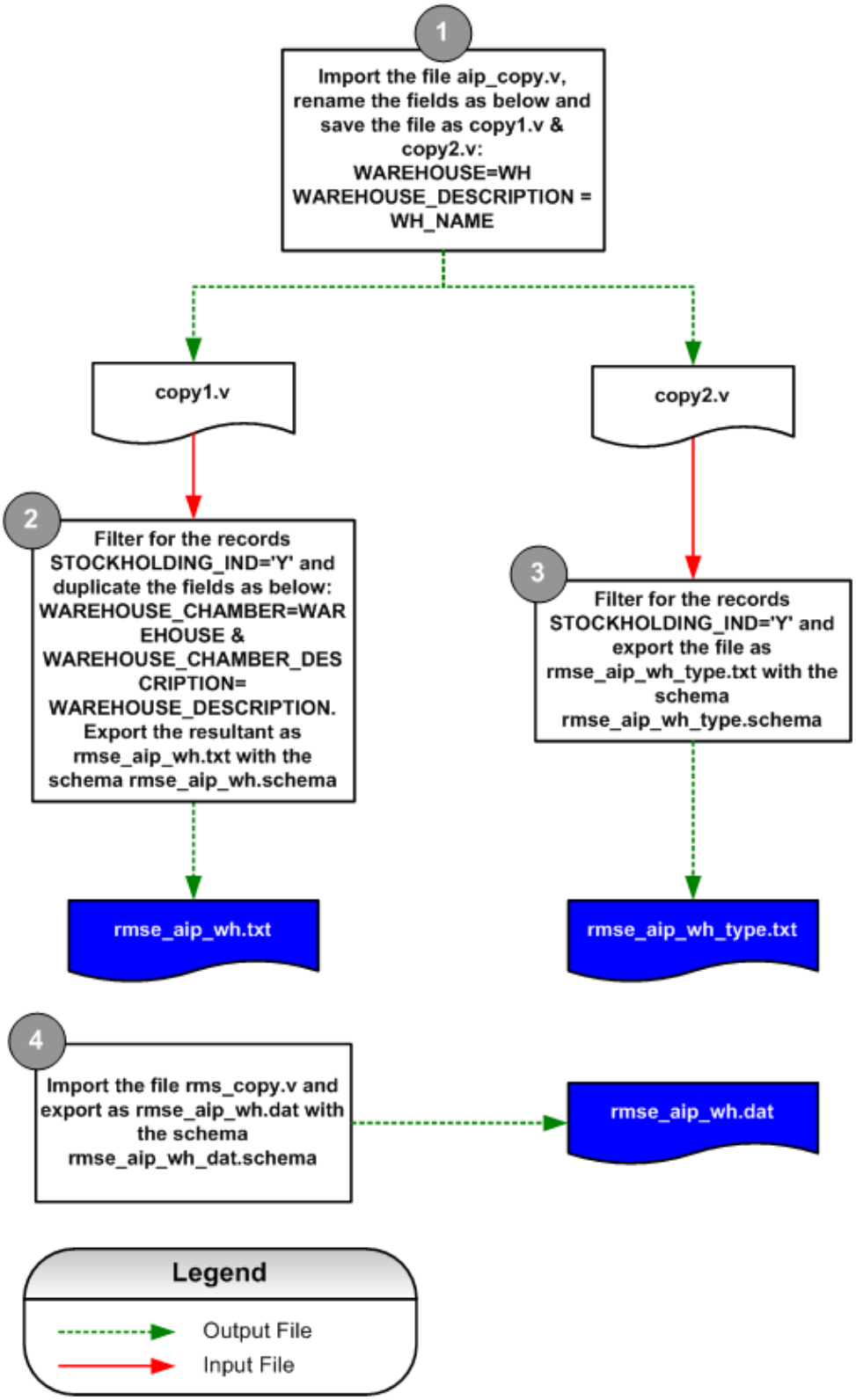
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WH	Warehouse	int	20	N/A
2	WH_NAME	Warehouse Name	string	40	N/A
3	FORECAST_WH_IND	Warehouse Forecast Indicator	string	1	N/A
4	STOCKHOLDING_IND	Stock Hold Indicator	string	1	N/A
5	WH_TYPE	Warehouse Type	string	6	N/A

Filtering Conditions

None.

Warehouse Extract Process



Warehouse Extract Process Diagram

Final Warehouse File Layout (whse.txt)

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Warehouse Hierarchy	Contains Warehouse, Warehouse name, type, etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aip_t_rename.ksh
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	WH	Target Object Name	whse.txt
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	WH	WH	Warehouse	Number	(10,0)
2	WH	WH_NAME	Warehouse Name	Varchar2	20
3	WH	WH	Warehouse	Number	(10,0)
4	WH	WH_NAME	Warehouse Name	Varchar2	20

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE_CHAMBER	Warehouse Chamber	string	20	Same as Warehouse
2	WAREHOUSE_CHAMBER_DESCRIPTION	Warehouse Chamber Description	string	40	Same as Warehouse Description
3	WAREHOUSE	Warehouse	int	20	N/A
4	WAREHOUSE_DESCRIPTION	Warehouse Description	string	40	N/A

Filtering Conditions

```
STOCKHOLDING_IND='Y'
```

Final Warehouse Type File Layout

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Warehouse Hierarchy	Contains Warehouse, Warehouse name, type, etc.

Extracting Program Details

Program Type	Shell script wrapper around RETL
Program Name	aip_t_rename.ksh
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	RMS	Target Object Type	Fixed Length Text File
Source Table(s)/File(s)	WH	Target Object Name	wh_type.ksh
		Target Load Type	Full

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	WH	WH	Warehouse	Number	(10,0)
2	WH	WH_TYPE	Warehouse Type	Varchar2	6

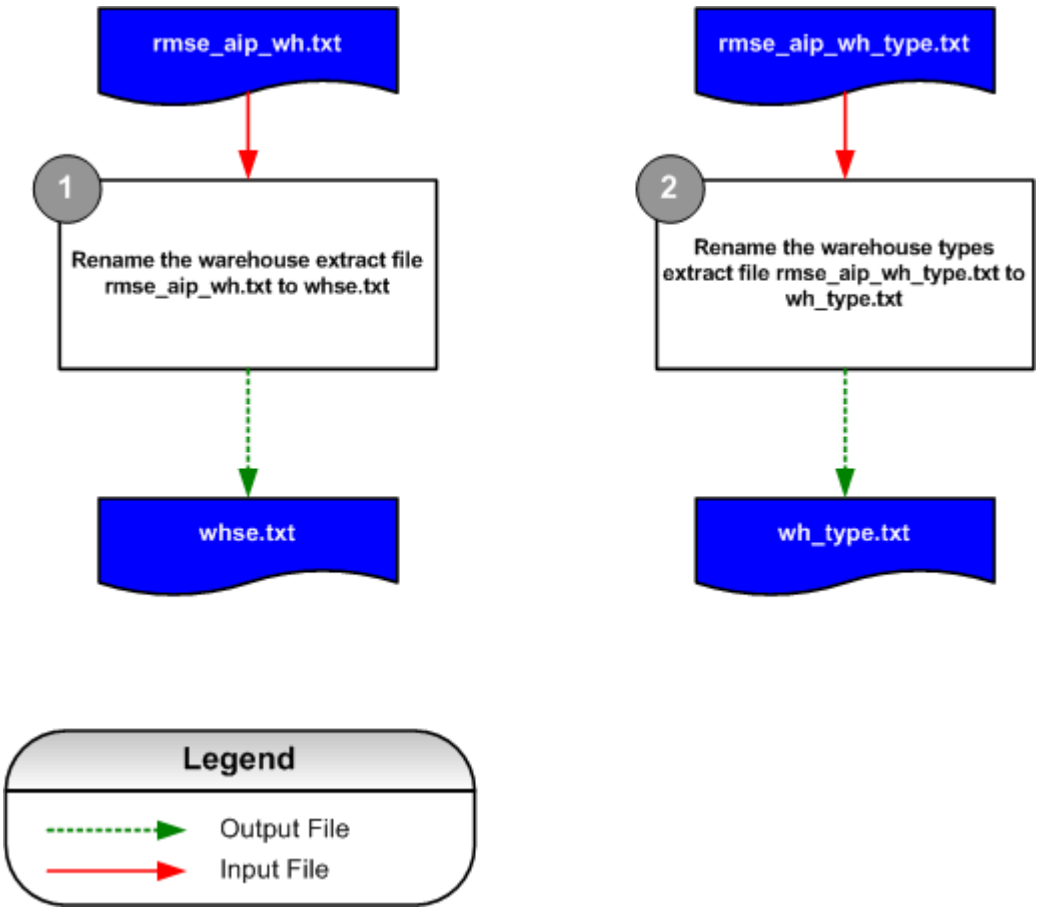
Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Target Field Length	Condition/Format
1	WAREHOUSE	Warehouse	string	20	Same as Warehouse
2	WAREHOUSE_TYPE	Warehouse Type	string	40	Same as Warehouse Description

Filtering Conditions

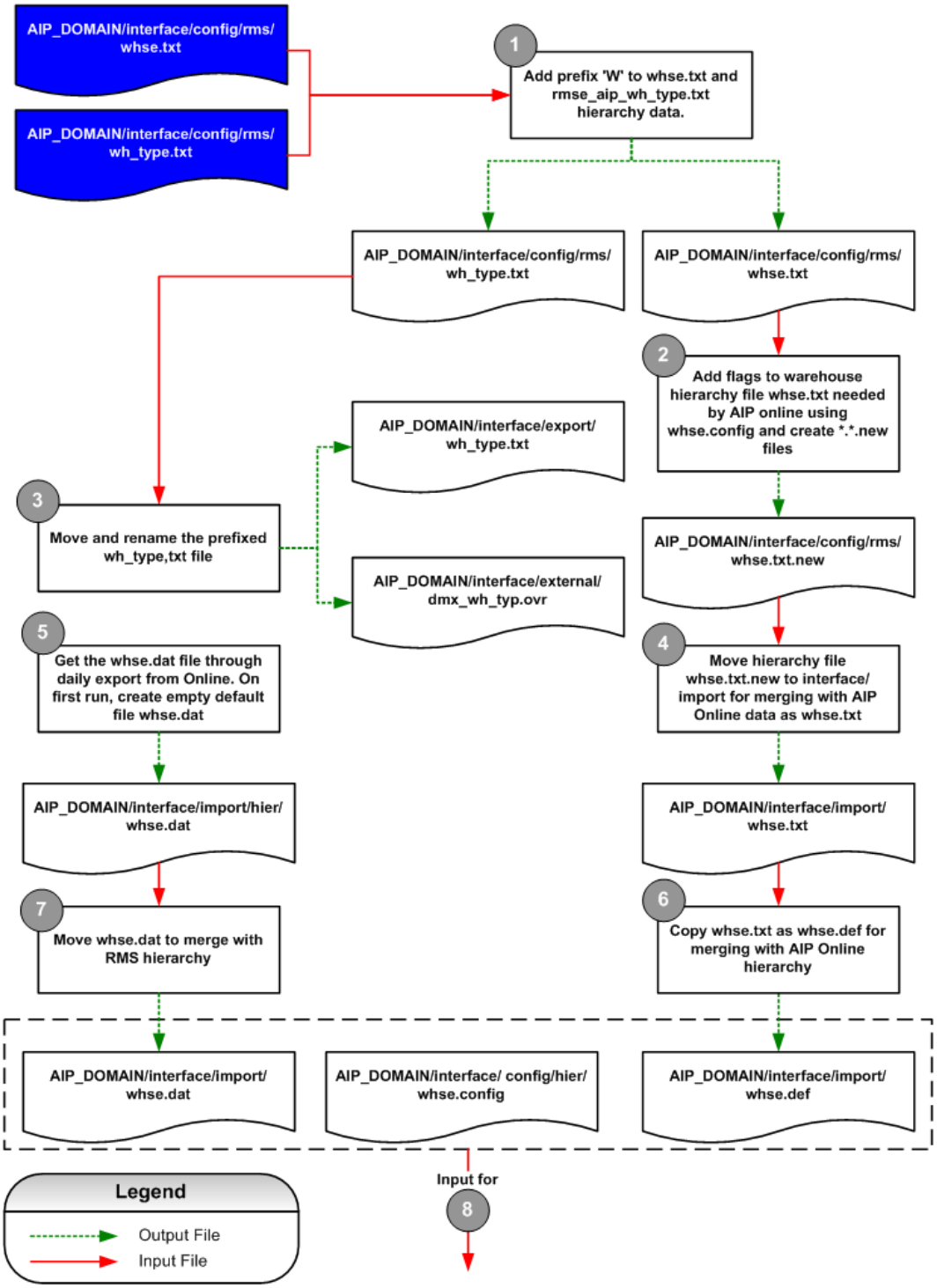
```
STOCKHOLDING_IND='Y'
```

Transformation Process – Warehouse

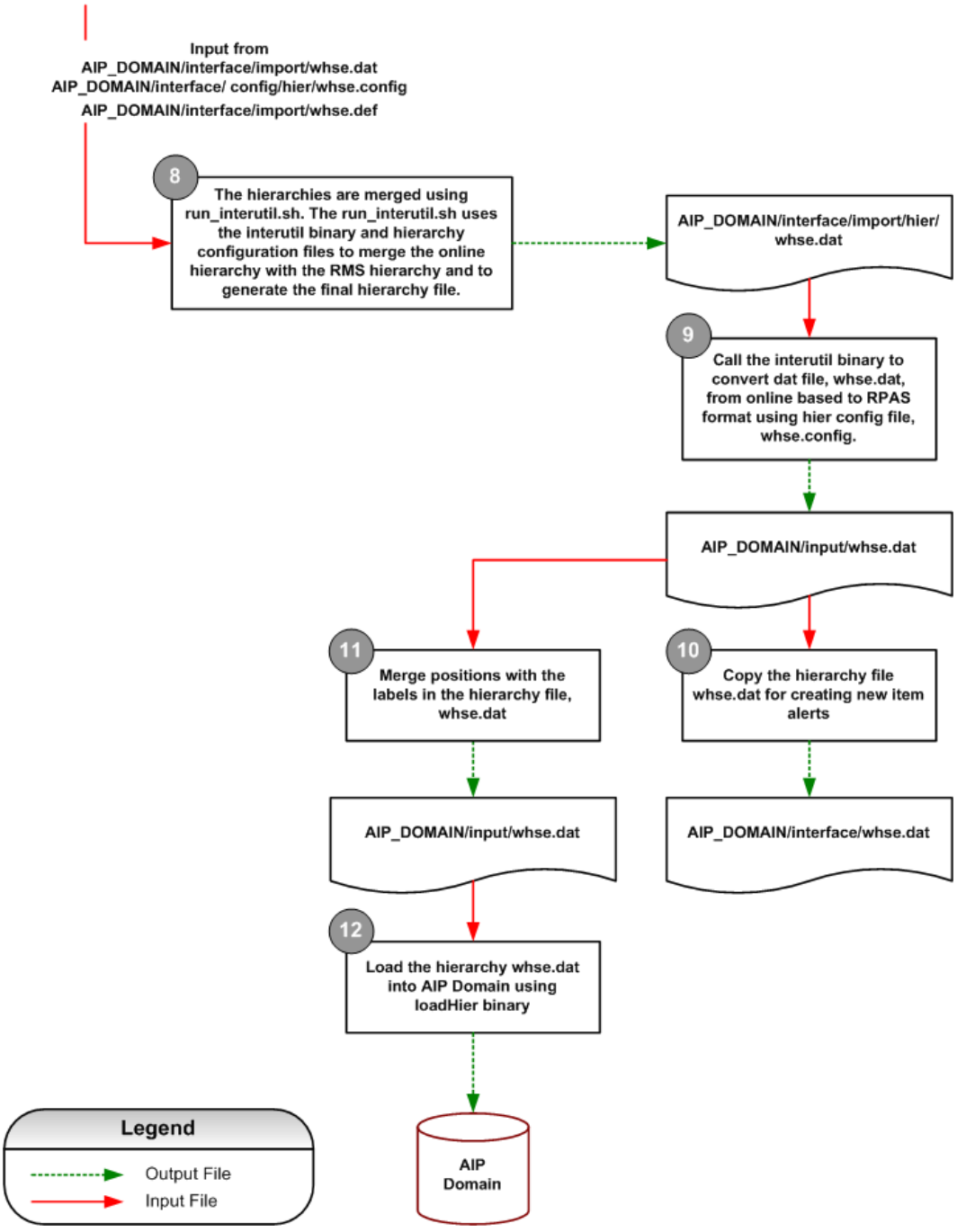


Warehouse Transform Process Diagram

Warehouse Load Process into AIP

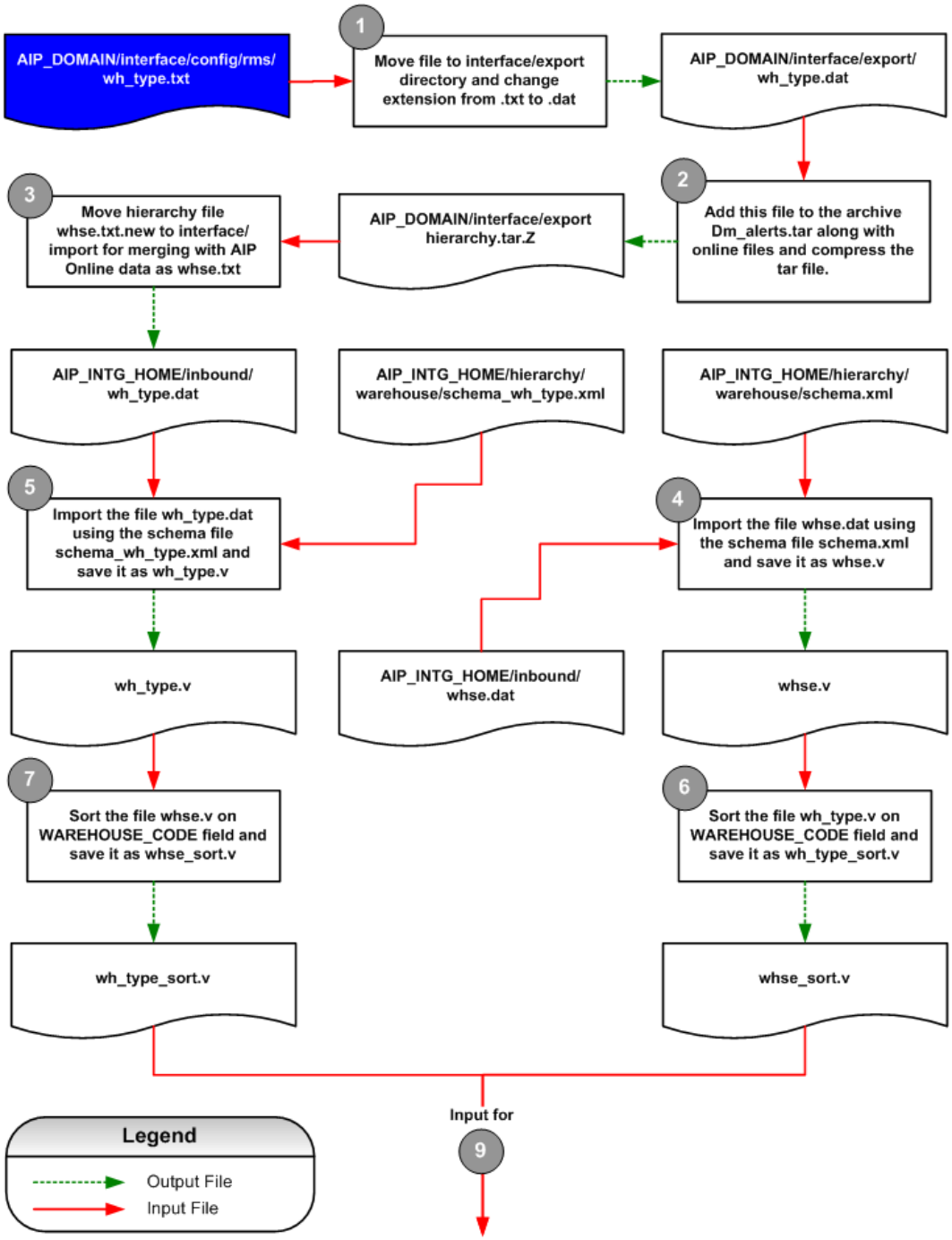


Warehouse AIP Load Process Diagram (1 of 2)

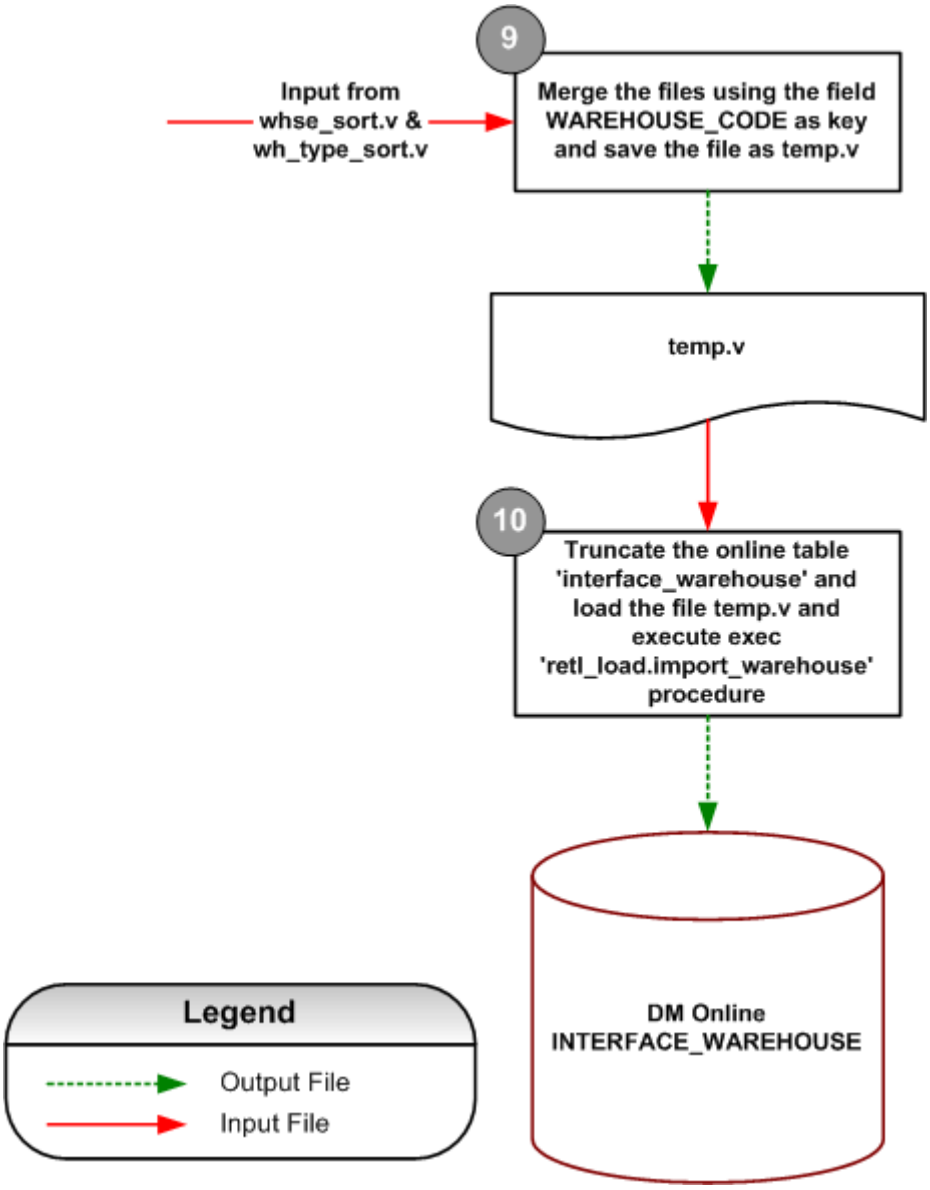


Warehouse AIP Load Process Diagram (2 of 2)

Warehouse Types – Online Load Process



Warehouse Type Online Load Process Diagram (1 of 2)



Warehouse Type Online Load Process Diagram (2 of 2)

iprdfdtdaltv.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	RDF Detail Alert	Contains destination stocking point, SKU and RDF Detail Alert flag

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	iprdfdtdaltv
Source Object Name	iprdfdtdaltv.txt	Target Object Database	data/rdfdtdalt
Required/Optional	Required	Target Object Load Intersection	SKU_dstk

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Destination Stocking Point	1	20
2	SKU	SKU	21	20
3	VALUE	RDF Detail Alert	41	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Dstk	DSTK Dimension	String	"W1090 "
2	SKU	SKU Dimension	Int	"100048001 "
3	Value	RDF Detail Alert	Boolean	"1" NaVal= false

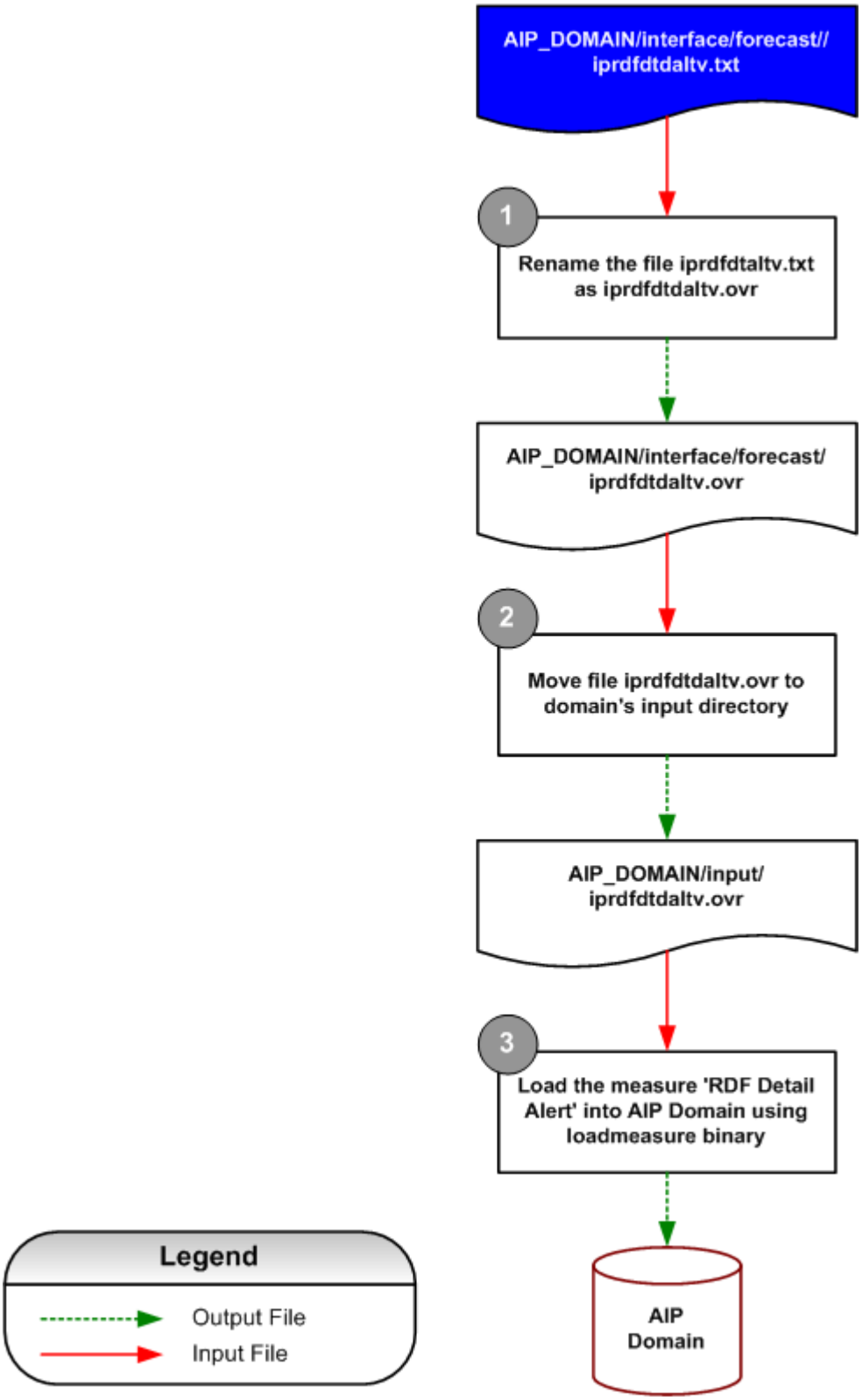
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of iprdfdtdaltv.txt Extract File Format:

```
W1090           100048001       1
W3066           100049004       1
```

RDF Detail Alert – AIP Load Process



RDF Detail Alert AIP Load Process Diagram

sr0_rdfdtdmsk.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	RDF Detail Alert Mask	Contains Store, SKU and RDF Detail Alert Mask flag

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_rdfdtdmsk
Source Object Name	sr0_rdfdtdmsk.txt	Target Object Database	data/sr0_rdfdtdmsk
Required/Optional	Required	Target Object Load Intersection	SKU_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	VALUE	RDF Detail Alert Mask	41	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	STR Dimension	String	"S441090 "
2	SKU	SKU Dimension	Int	"100048001"
3	Value	RDF Detail Alert Mask	Boolean	"1" NaVal= false

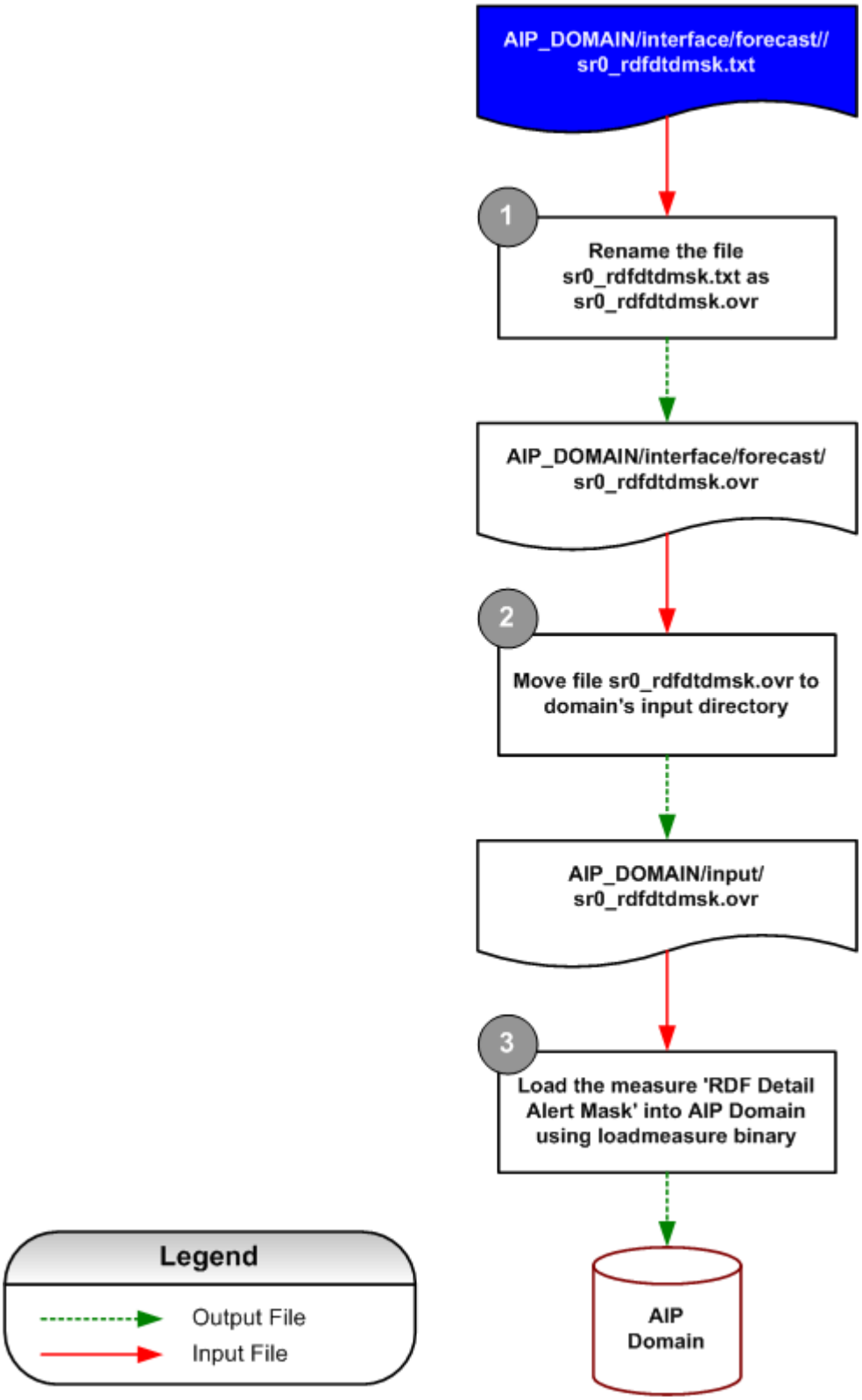
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_rdfdtdmsk.txt Extract File Format:

```
S441090             100048001           1
S402                100048001           1
```

Detail Alert Mask – AIP Load Process



Detail Alert Mask AIP Load Process Diagram

sr0_rdfdtdcnt.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	RDF Detail Alert Count	Numeric measure at sku/store containing the number of alert hits in the RDF Alert

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_rdfdtdcnt
Source Object Name	sr0_rdfdtdcnt.txt	Target Object Database	data/sr0_rdfdtdcnt
Required/Optional	Optional	Target Object Load Intersection	str_sku_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STR	Store	1	20
2	SKU	SKU	21	20
3	Value	RDF Detail Alert Count	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	STR	Store	String	"303 "
2	SKU	SKU	String	“118525 “
3	Value	RDF Detail Alert Count	Int	"5 " NaVal = 0

Formatting Conditions

Example of sr0_rdfdtdcnt.txt Extract File Format:

303 118525 5

sr0_fcterrlvl1.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Daily Store Forecast Standard Deviation	Contains Store, SKU and Store Forecast Standard Deviation value

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_fcterrlvl1
Source Object Name	sr0_fcterrlvl1.txt	Target Object Database	data/sr0_fcterrlvl1
Required/Optional	Optional	Target Object Load Intersection	sku_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Daily Store Forecast Standard Deviation	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	STR Dimension	String	"S441090 "
2	SKU	SKU Dimension	Int	"100076002 "

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
3	Value	Daily Store Forecast Standard Deviation	Real	"1.000000" NaVal = 0

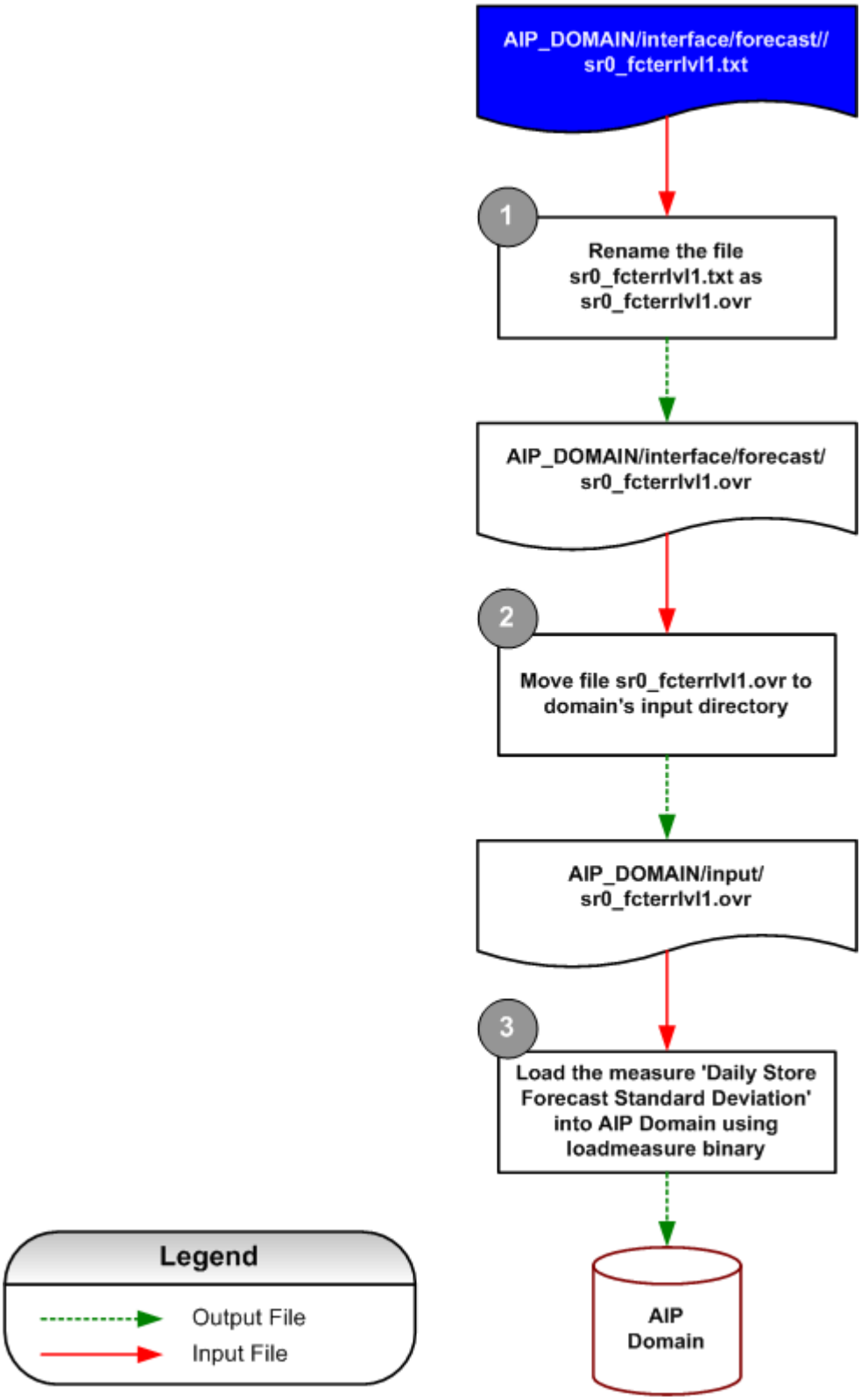
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_fcterrlvl1.txt Extract File Format:

```
S441090             100048001           1.000000
```

Daily Store Forecast Standard Deviation – AIP Load Process



Daily Store Forecast Standard Deviation AIP Load Process Diagram

sr0_fcterrlvl2.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Weekly Store Forecast Standard Deviation	Contains Store, SKU and Store Forecast Standard Deviation value

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_fcterrlvl2
Source Object Name	sr0_fcterrlvl2.txt	Target Object Database	data/sr0_fcterrlvl2
Required/Optional	Optional	Target Object Load Intersection	sku_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Weekly Store Forecast Standard Deviation	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	STR Dimension	String	"S441090 "
2	SKU	SKU Dimension	Int	"100076002 "
3	Value	Weekly Store Forecast Standard Deviation	Real	"1.000000" NaVal = 0

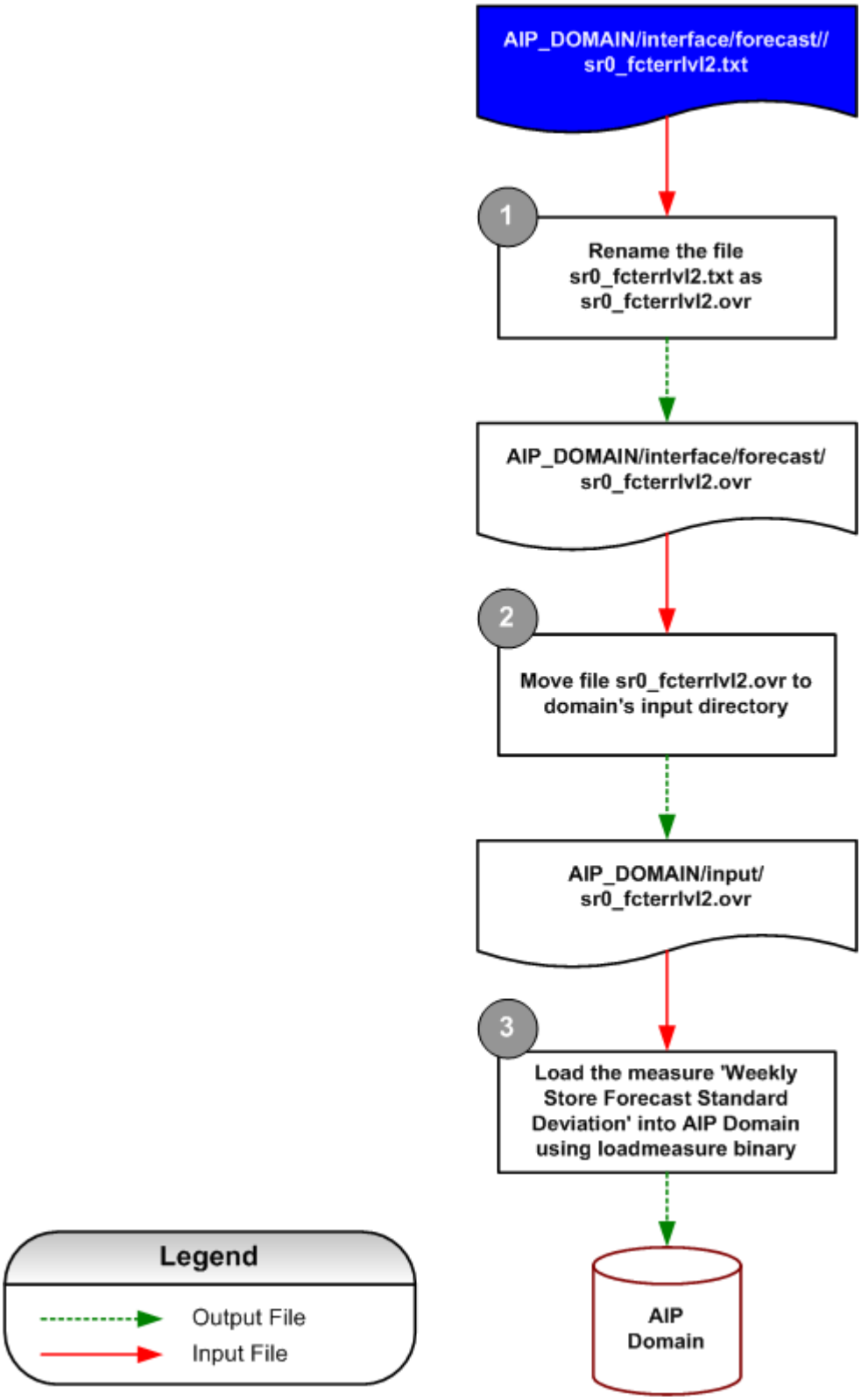
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_fcterrlvl2.txt Extract File Format:

```
S441090             100048001           1.000000
```

Weekly Store Forecast Standard Deviation – AIP Load Process



Weekly Store Forecast Standard Deviation AIP Load Process Diagram

sr0_frclvl1.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Daily Store Demand Forecast	Contains Day, Store, SKU and Daily Store Demand Forecast value

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_frclvl1
Source Object Name	sr0_frclvl1_*.txt	Target Object Database	data/sr0_frclvl1
Required/Optional	Optional	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	8
2	STORE	Store	9	20
3	SKU	SKU	29	20
4	VALUE	Daily Store Demand Forecast	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20060420"
2	Store	STR Dimension	String	"S411 "
3	SKU	SKU Dimension	Int	"100049004 "
4	Value	Daily Store Demand Forecast	Real	"1000 " NaVal = 0

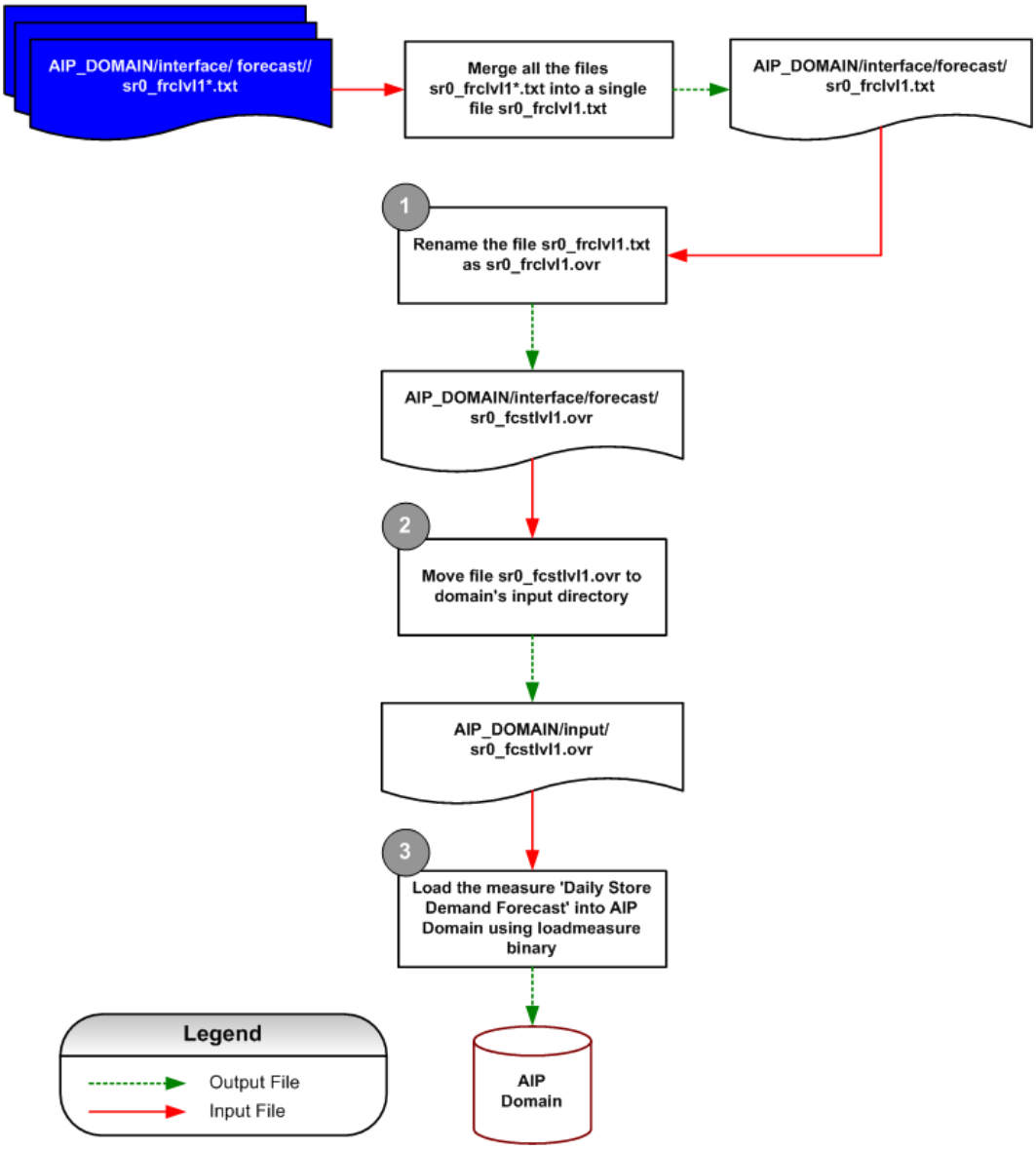
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_frclvl1.txt Extract File Format:

```
D20060420S411                100049004           1000
```

Daily Store Demand Forecast – AIP-Load Process



Daily Store Demand Forecast AIP Load Process Diagram

sr0_frclvl2.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Weekly Store Demand Forecast	Contains Day, Store, SKU and Weekly Store Demand Forecast

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_frclvl2
Source Object Name	sr0_frclvl2.txt	Target Object Database	data/sr0_frclvl2
Required/Optional	Optional	Target Object Load Intersection	SKU_STR_week

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week	1	8
2	STORE	Store	9	20
3	SKU	SKU	29	20
4	VALUE	Daily Store Demand Forecast	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Week	WEEK Dimension	String	"D20060420"
2	Store	STR Dimension	String	"S411 "
3	SKU	SKU Dimension	Int	"100044001 "
4	Value	Daily Store Demand Forecast	Real	"1000 " NaVal = 0

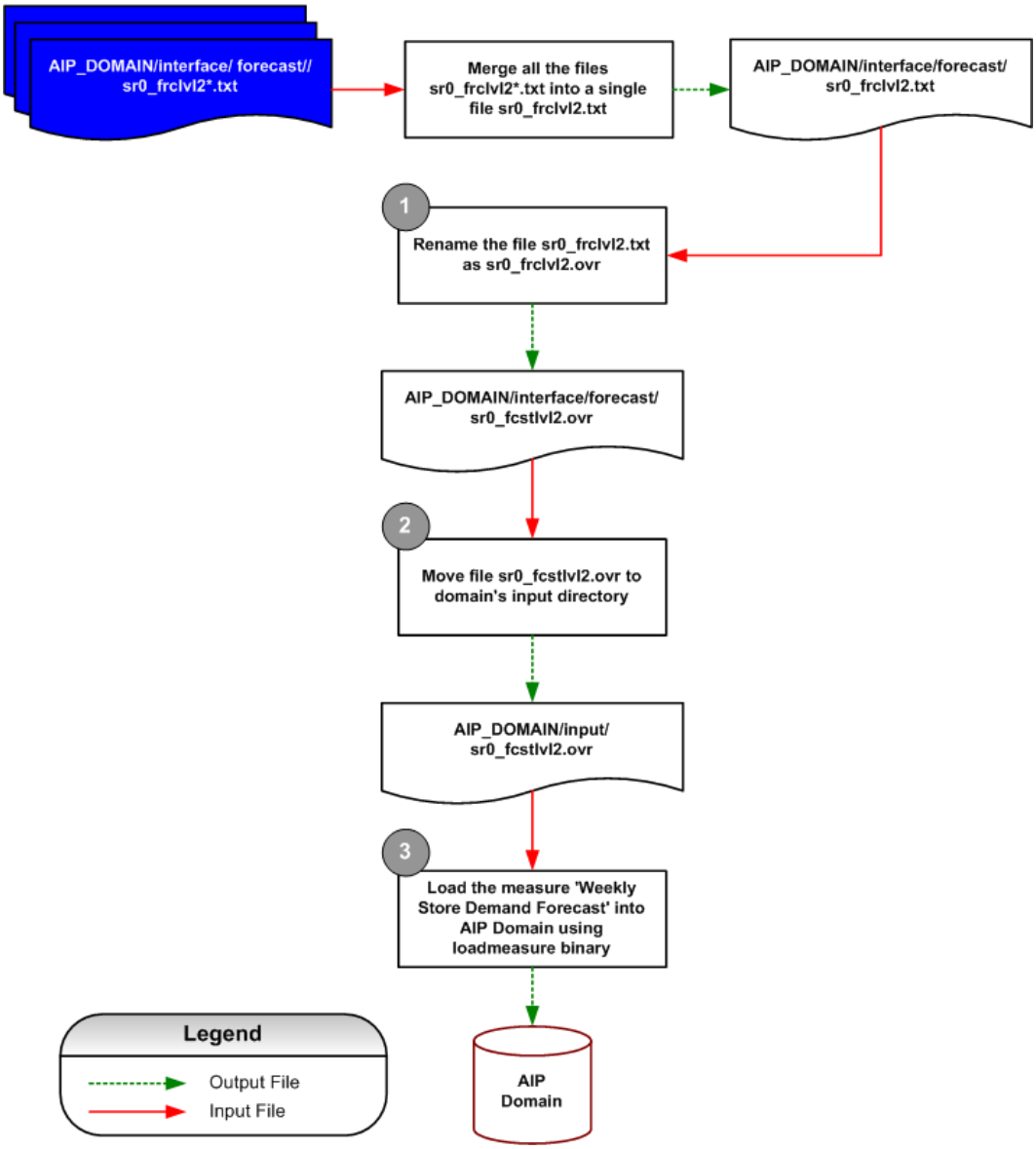
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_frclvl2.txt Extract File Format:

```
D20060420S411                100044001           1000
```

Weekly Store Demand Forecast –AIP Load Process



Weekly Store Demand Forecast AIP Load Process Diagram

sr0_dayslsld.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	RDF Daily Sales	Real measure at sku/store/day level indicating the total daily store sales. Used in the calculation of SRP alerts. Loaded from RDF.

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_dayslsld
Source Object Name	sr0_dayslsld.txt	Target Object Database	data/sr0_dayslsld
Required/Optional	Required	Target Object Load Intersection	day_str_sku_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STR	Store	10	20
3	SKU	SKU	20	20
4	Value	RDF Daily Sales	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	DAY	Day	String	"D20040109"
2	STR	Store	String	"303 "
3	SKU	SKU	String	“118525 “

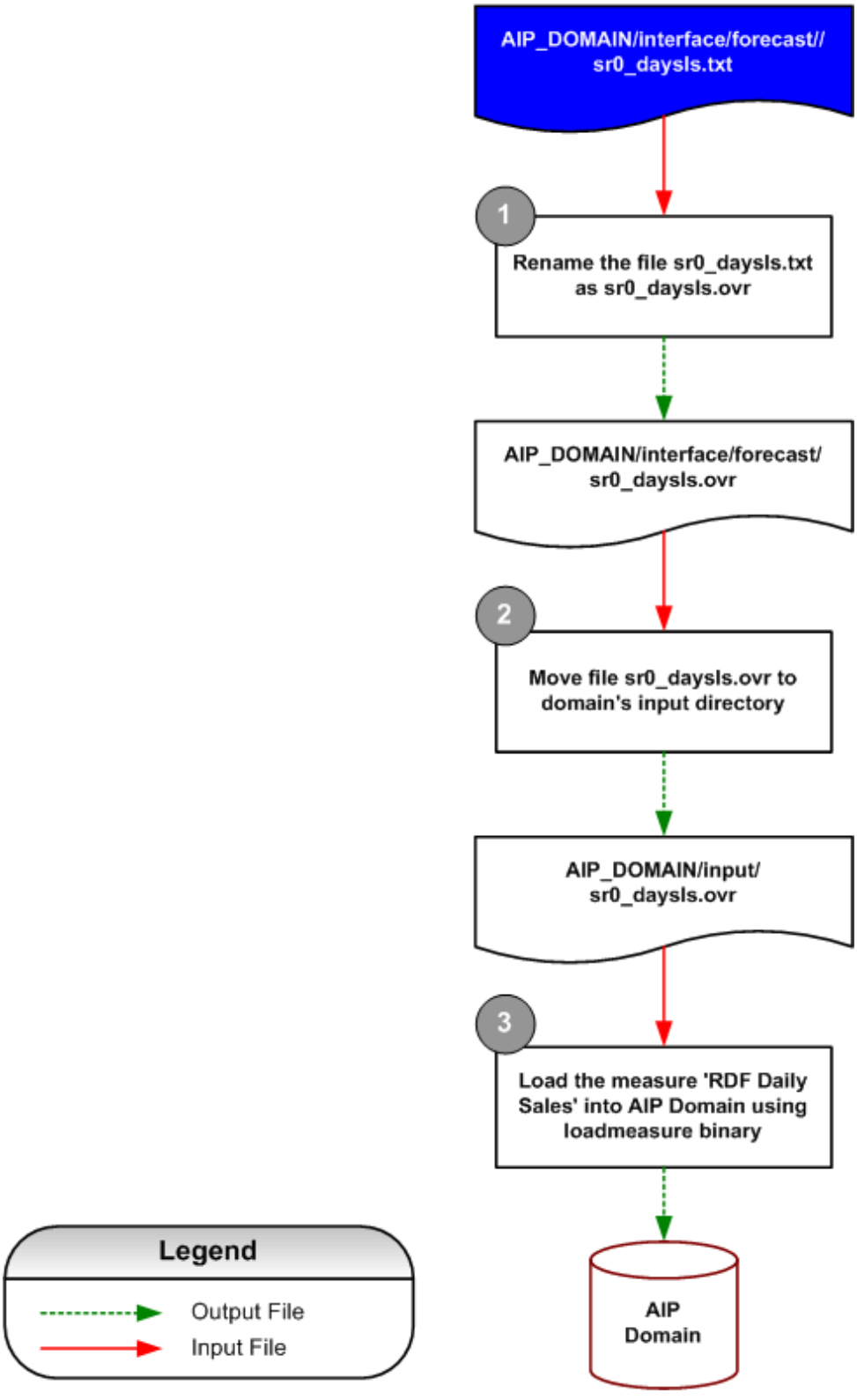
#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
4	Value	RDF Daily Sales	Real	"10.0 " NaVal = -1

Formatting Conditions

Example of sr0_dayslsld.txt Extract File Format:

D20040109303 118525 10.0

RDF Daily Sales – AIP Load Process



RDF Daily Sales AIP Load process Diagram

had.txt

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Advertisement Hierarchy	Contains Ad and Ad description

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	had.txt
Source Object Name	had.txt	Target Object Database	Global
Required/Optional	Required	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Ad	Ad	1	20
2	Ad Label	Ad Description	21	40

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Ad	Ad	String	"A23456789100ABCDE00Q"
2	Ad Label	Ad Description	String	"NEW ADVERTISEMENT BB " NaVal = ''

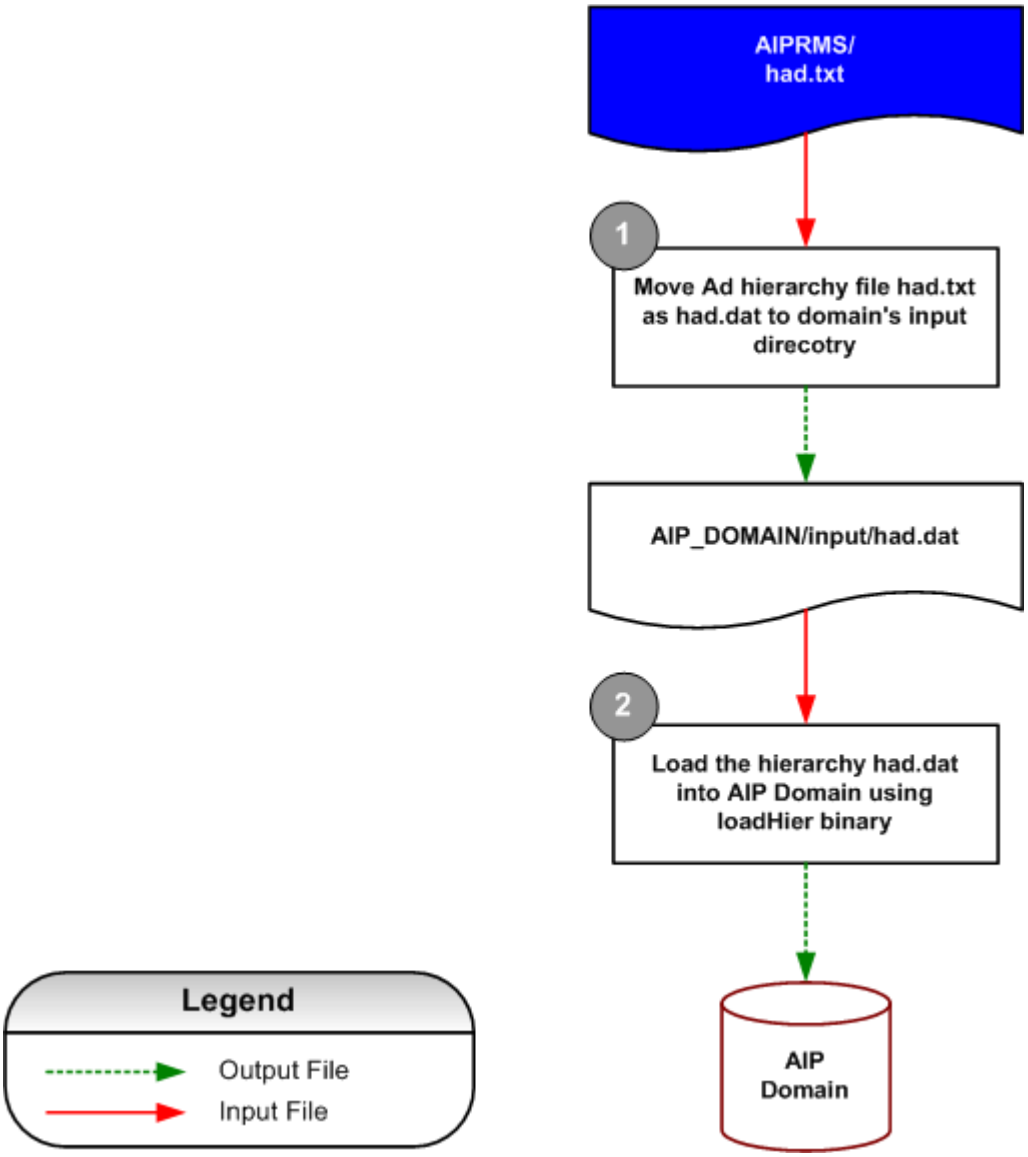
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of had.txt Extract File Format:

```
A23456789100ABCDE00QNEW ADVERTISEMENT AA
B23456789100ABCDE00QNEW ADVERTISEMENT BB
```

Ad Hierarchy – AIP Load Process



Ad Hierarchy AIP Load Process Diagram

intv.txt

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Interval Hierarchy	Contains Interval Code and description

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	intv.txt
Source Object Name	intv.txt	Target Object Database	Global
Required/Optional	Required	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Interval	Interval	1	20
2	Interval Description	Interval Description	21	40

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	INT	Interval Code	String	"A23456789100ABCDE00Q"
2	INT-Label	Interval Description	String	"NEW INTERVAL AA " NaVal = "

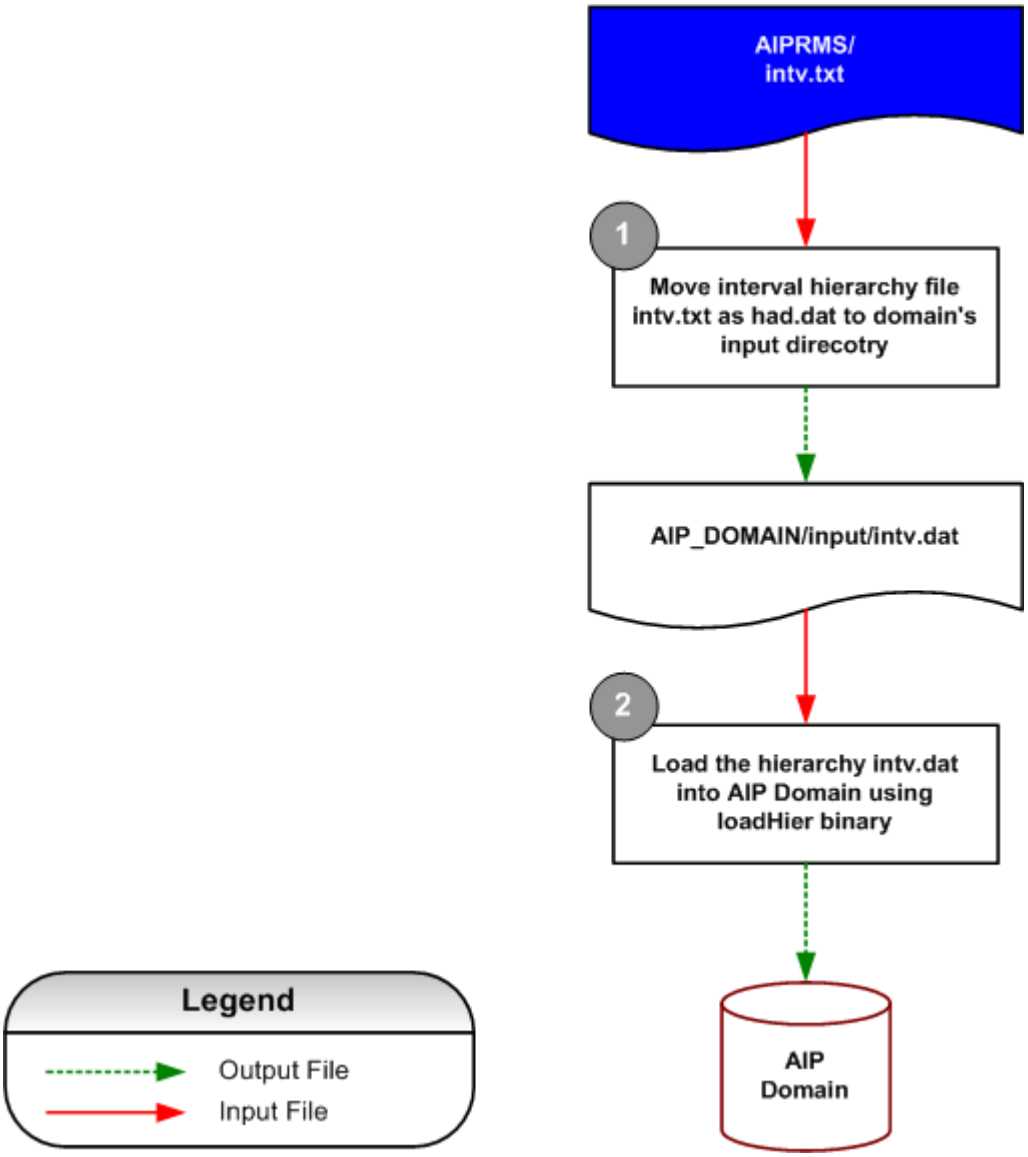
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of intv.txt Extract File Format:

```
A23456789100ABCDE00QNEW INTERVAL      AA
B23456789100ABCDE00QNEW INTERVAL      BB
```

Intervals Hierarchy – AIP Load Process



Intervals Hierarchy AIP Load Process Diagram

default_wh.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Default Warehouses	Contains Store, default warehouse and default warehouse CSC

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	dmx_defwh_ & dmx_defwh_csc
Source Object Name	default_wh.txt	Target Object Database	data/dmx_defwh_ & dmx_defwh_csc
Required/Optional	Required	Target Object Load Intersection	str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STR	Store	1	20
2	VALUE 1	Default Warehouse	21	20
3	VALUE 2	Default Warehouse Customer Service Center	41	20

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	Store	STR Dimension	String	"S348	"
2	Value 1	Default Warehouse	String	"W1090 NaVal = "	"
3	Value 2	Default Warehouse Customer Service Center	String	"W1090 NaVal = "	"

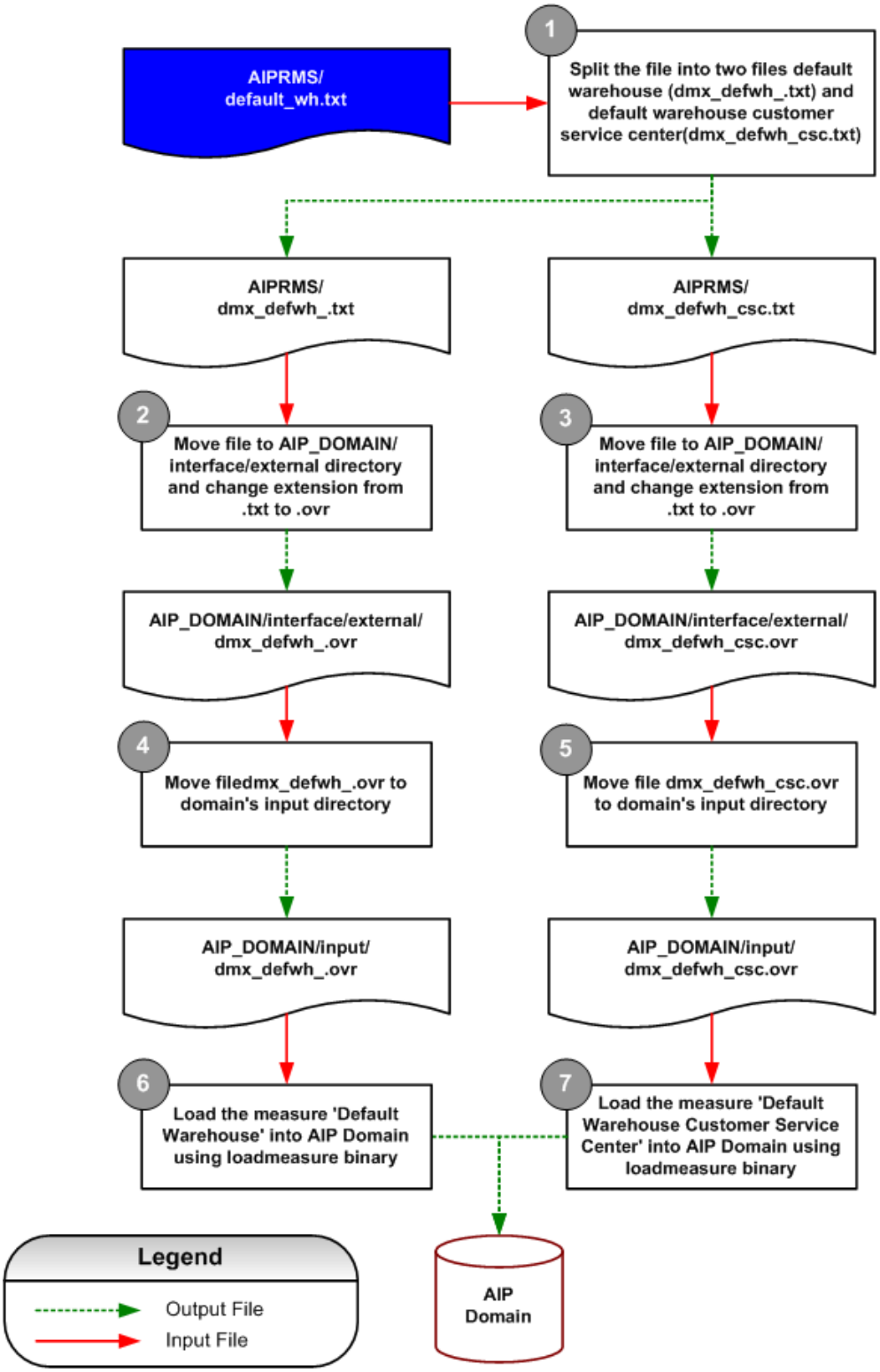
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of default_wh.txt Extract File Format:

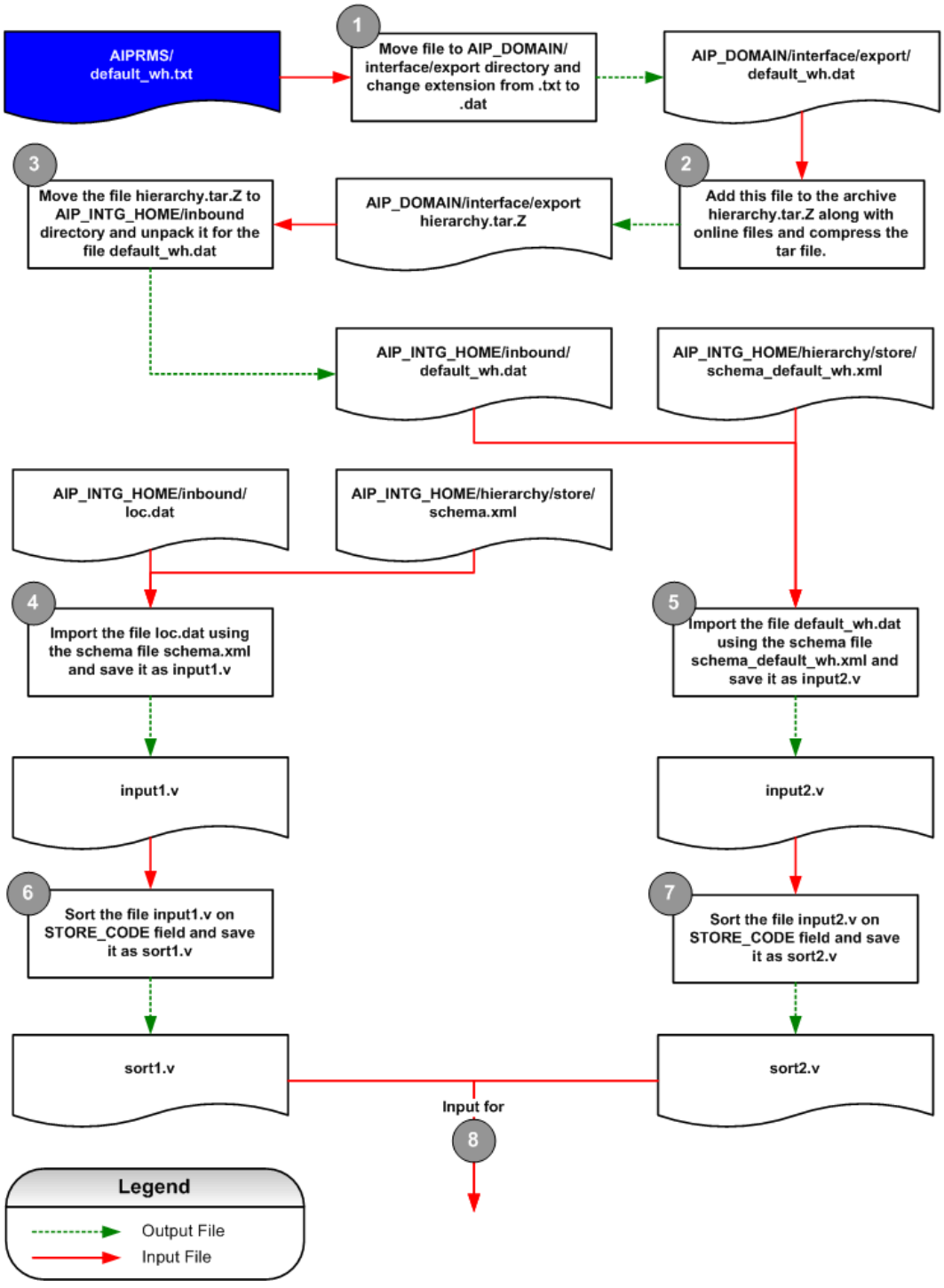
```
S348        W1090        W1090
S402        W1105        W1150
```

Default Warehouse – AIP Load Process

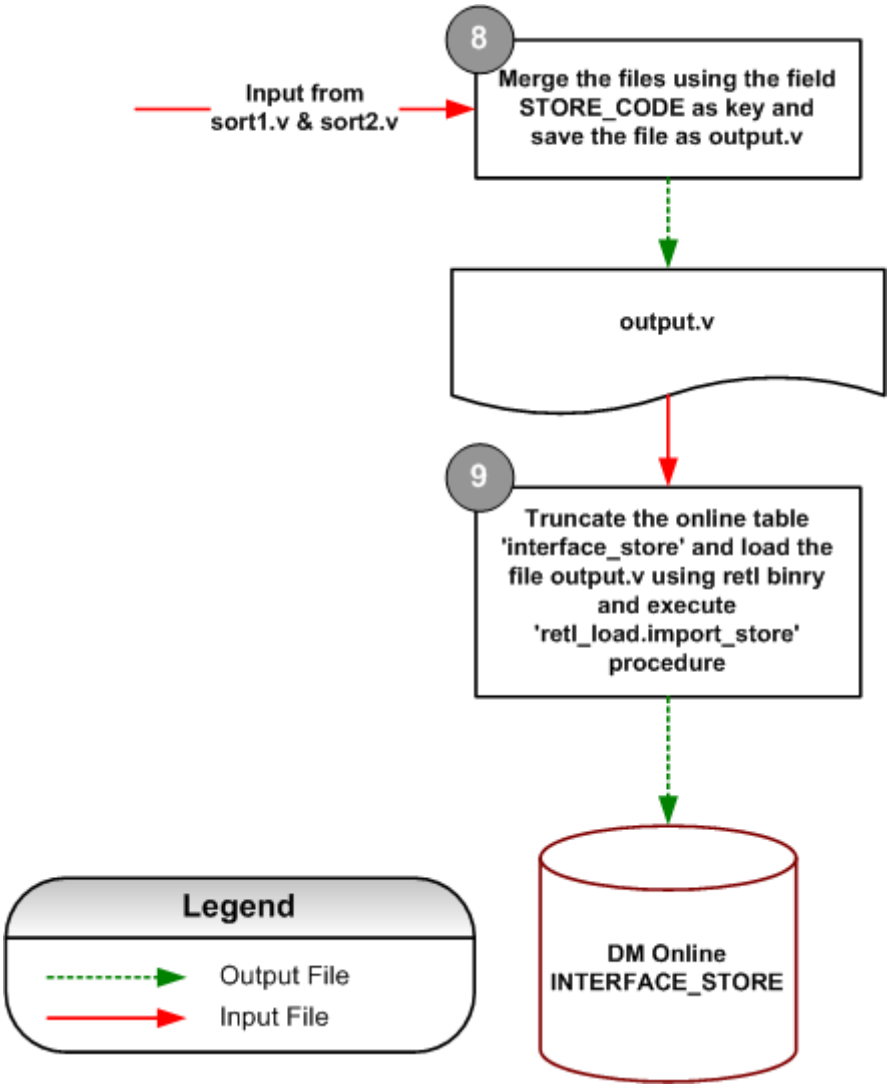


Default Warehouse AIP Load Process Diagram

Default Warehouse – Online Load Process



Default Warehouse Online-Load Process Diagram (1 of 2)



Default Warehouse Online-Load Process Diagram (2 of 2)

direct_store_format_pack_size.txt

Data Element Details

Data Type	Data Element Name	Data Description
N/A This information is not loaded into an RPAS measure it is loaded into an Oracle table only.	Direct Store Format Pack Size	Contains the pack size that should be ordered when the store is ordering the SKU from the Direct Supplier.

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Direct Store Format Pack Size
Source Object Name	direct_store_format_pack_size.txt	Target Object Database	online DB
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Store Format Code	Store	1	20
2	Commodity Code	AIP SKU	21	20
3	Pack Size	Pack Size	41	4
4	Supplier Code	Supplier	45	20
5	Start Date	Start Date	65	8
6	End Date	End Date	73	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store Format	Store Format	String	"1 "
2	Commodity Code	AIP SKU	String	"100053003 "
3	Pack Size	Pack Size	int	"36 "
4	Supplier Code	Supplier	String	"V505 "
5	Start Date	Start Date	String	"20050101"
6	End Date	End Date	String	"20051201"

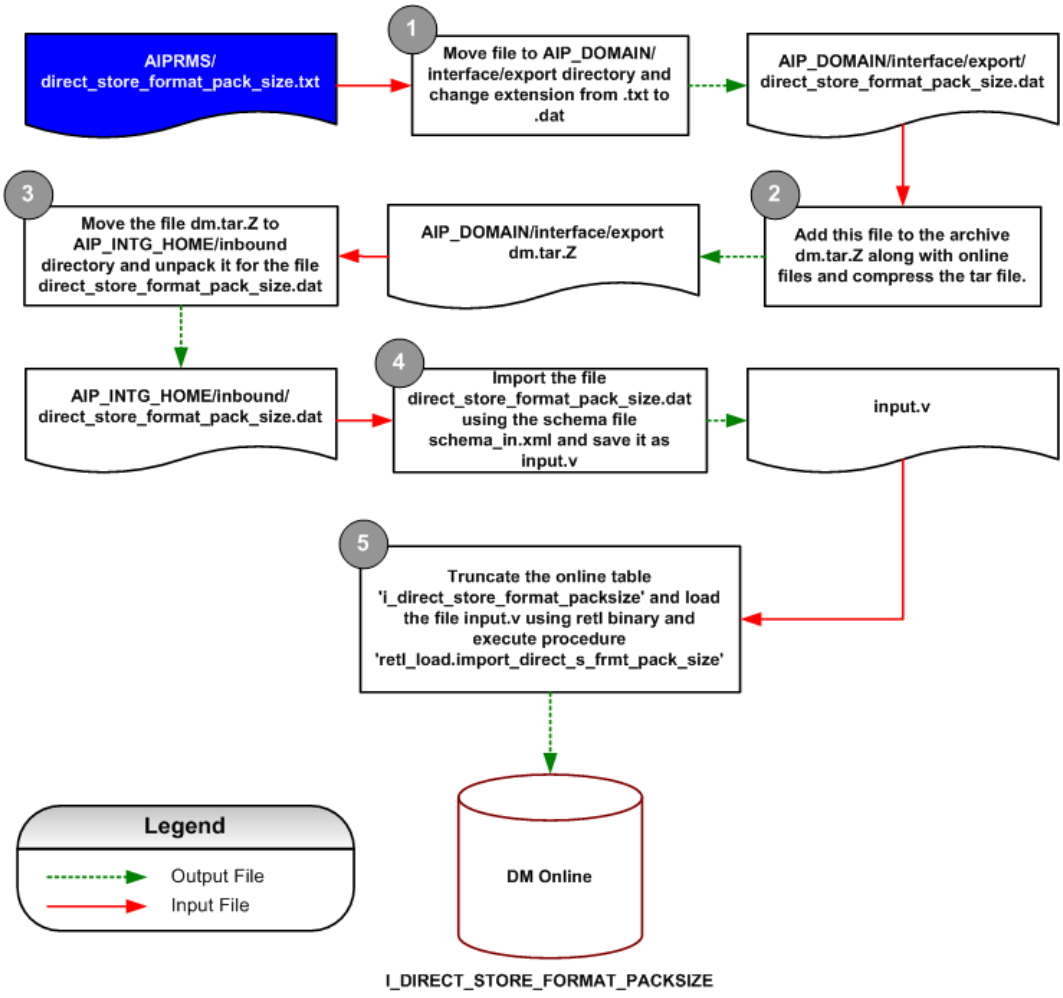
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of direct_store_format_pack_size.txt file:

```
1                100053003          36  V505              2005010120051201
```

Direct Store Format Packsize – Online Load Process



Direct Store Format Packsize Online Load Process Diagram

direct_store_pack_size.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Direct Store Pack Size	Contains Store, Commodity Code, Pack Size, Supplier, Start & End dates

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Direct Store Pack Size
Source Object Name	direct_store_pack_size.txt	Target Object Database	online Database
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Store Code	Store	1	20
2	Commodity Code	AIP SKU	21	20
3	Pack Size	Pack Size	41	4
4	Supplier Code	Supplier	45	20
5	Start Date	Start Date	65	8
6	End Date	End Date	73	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	Store	String	"S303 "
2	Commodity Code	AIP SKU	String	"100053003 "
3	Pack Size	Pack Size	int	"36 "
4	Supplier Code	Supplier	String	"V505 "
5	Start Date	Start Date	String	"20050101"
6	End Date	End Date	String	"20051201"

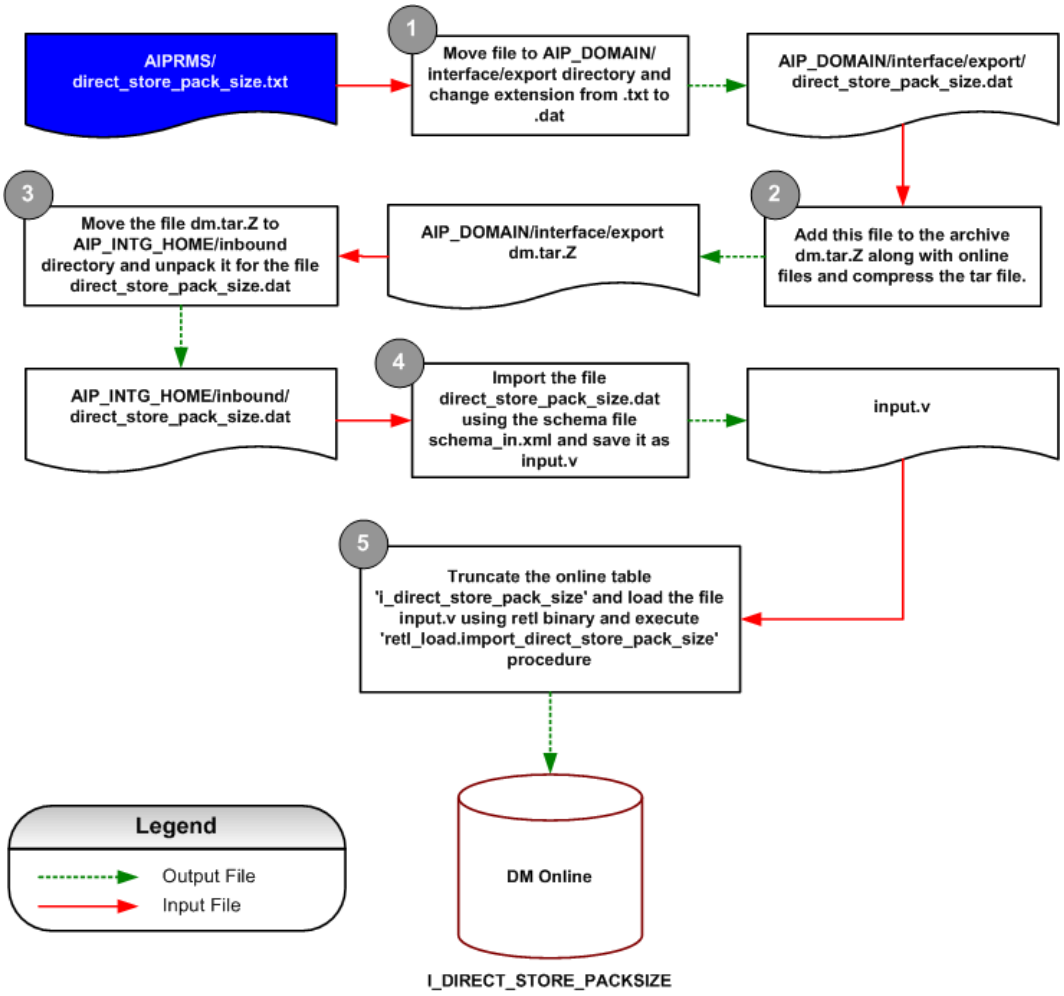
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example direct_store_pack_size.txt file:

```
S303            100053003          1   V505            2005010120051201
```

Direct Store Packsize – Online Load Process



Direct Store Packsize Online Load Process Diagram

dm0_ofseffdt_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item Off Sale Dates	Contains Store, SKU, Order Multiple, Off Sale Dates

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Table(s)/File(s)	Fixed Length Text File	Target Object Name	Off-sale Effective Date
Source Object Name	dm0_ofseffdt_.txt	Target Object Database	data/dm0_ofseffdt_
Required/Optional	Required	Target Object Load Intersection	SKU_STR

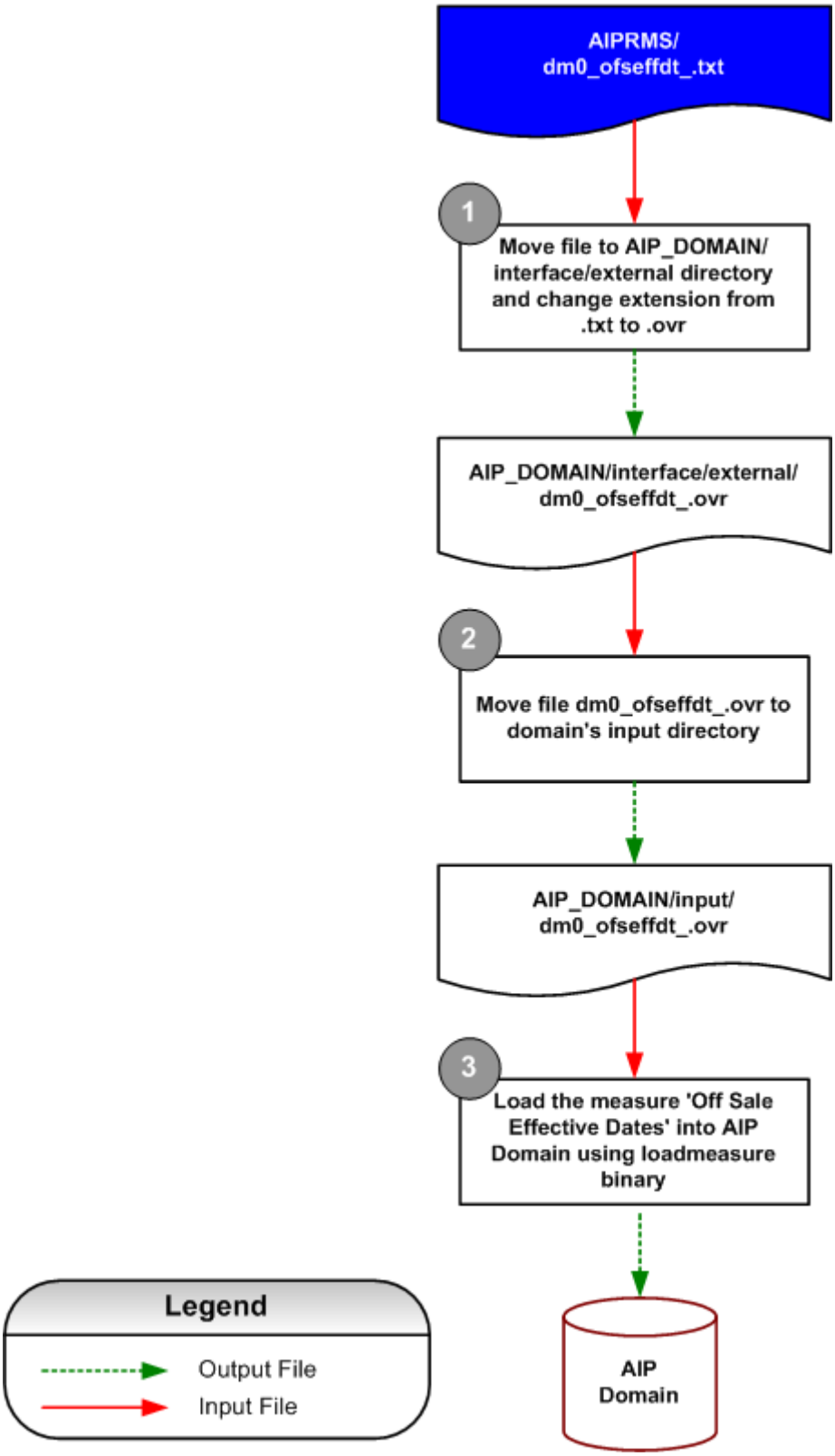
Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	ITEM	SKU	1	20
2	Location	Store	21	20
3	OFF_SALE_DATE	Off Sale Date	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	SKU	SKU	String	"100048001 "
2	Store	Store	String	"S1000 "
3	Value	Off Sale Effective Date	date	YYYYMMDD

Off Sale Date – AIP Load Process



Off Sale Date AIP Load Process Diagram

dm0_onseffdt_.txt

A custom transformation must be created to properly format this file before it can be loaded.

Data Element Details

Data Type	Data Element Name	Data Description
Foundation	Item On Sale Dates	Contains Store, SKU, Order Multiple, On Sale Dates

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fix Length Text File	Target Object Name	On-sale Effective Date
Source Object Name	dm0_onseffdt_.txt	Target Object Database	data/dm0_onseffdt_
Required/Optional	Required	Target Object Load Intersection	SKU_STR_

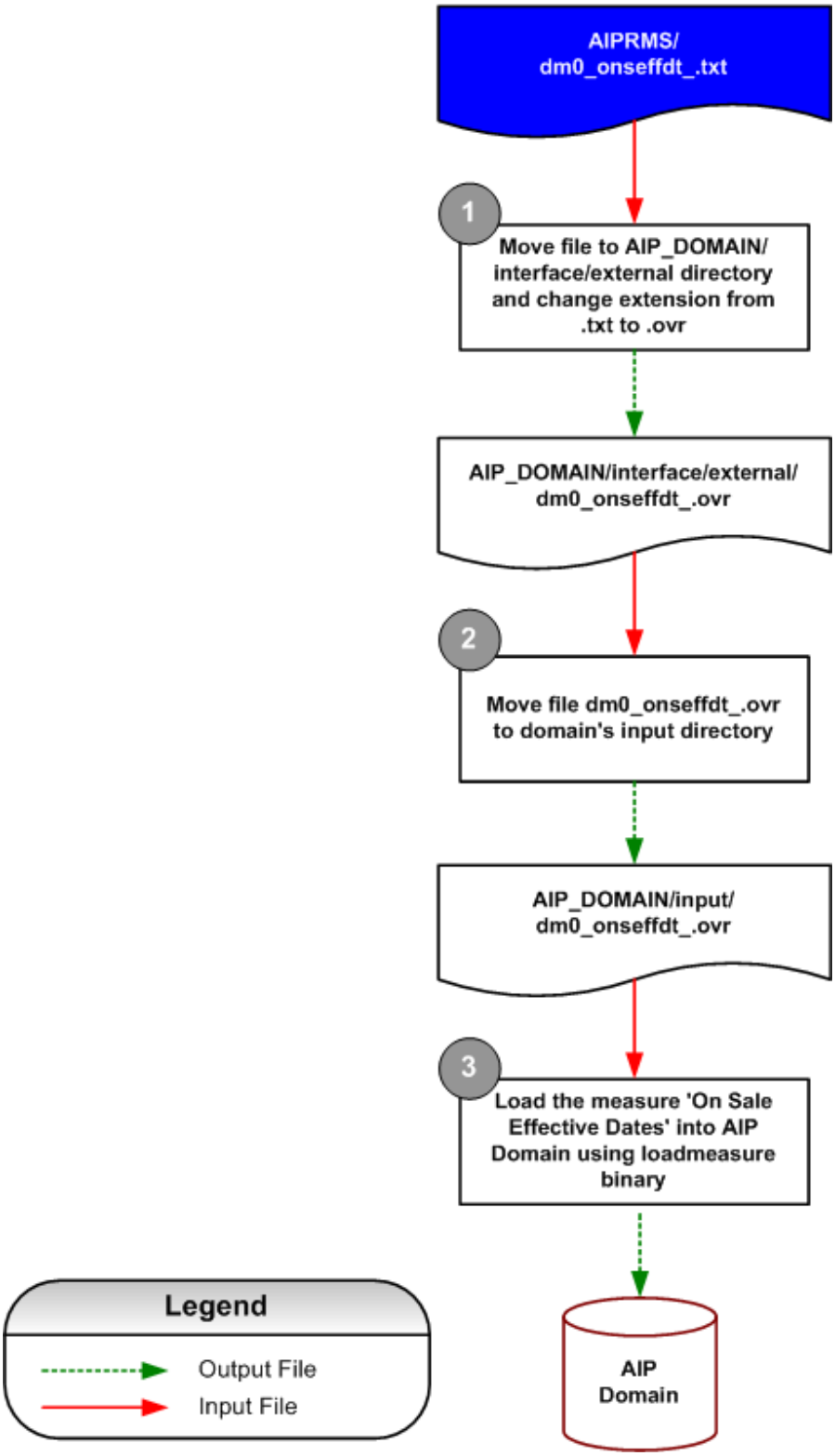
Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	ITEM	SKU	1	20
2	Location	Store	21	20
3	ON_SALE_DATE	On Sale Date	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	SKU	SKU	String	"100048001	"
2	Store	Store	String	"S1000	"
3	Value	On Sale Effective Date	date	YYYYMMDD	

On Sale Effective Date – AIP Load Process



On Sale effective Date AIP Load Process Diagram

dmx_pcktype.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Pack Type	Contains SKU Pack Size and Pack Type

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	dmx_pcktyp
Source Object Name	dmx_pcktyp.txt	Target Object Database	data/dmx_pcktyp
Required/Optional	Required	Target Object Load Intersection	SKPS

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	SKPS	SKU Pack Size	1	20
2	VALUE	Pack Type	21	24

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	SKPS	SKPS Dimension	String	"100033002_1 "
2	Value	Pack Type	String	"CASE " NaVal = ''

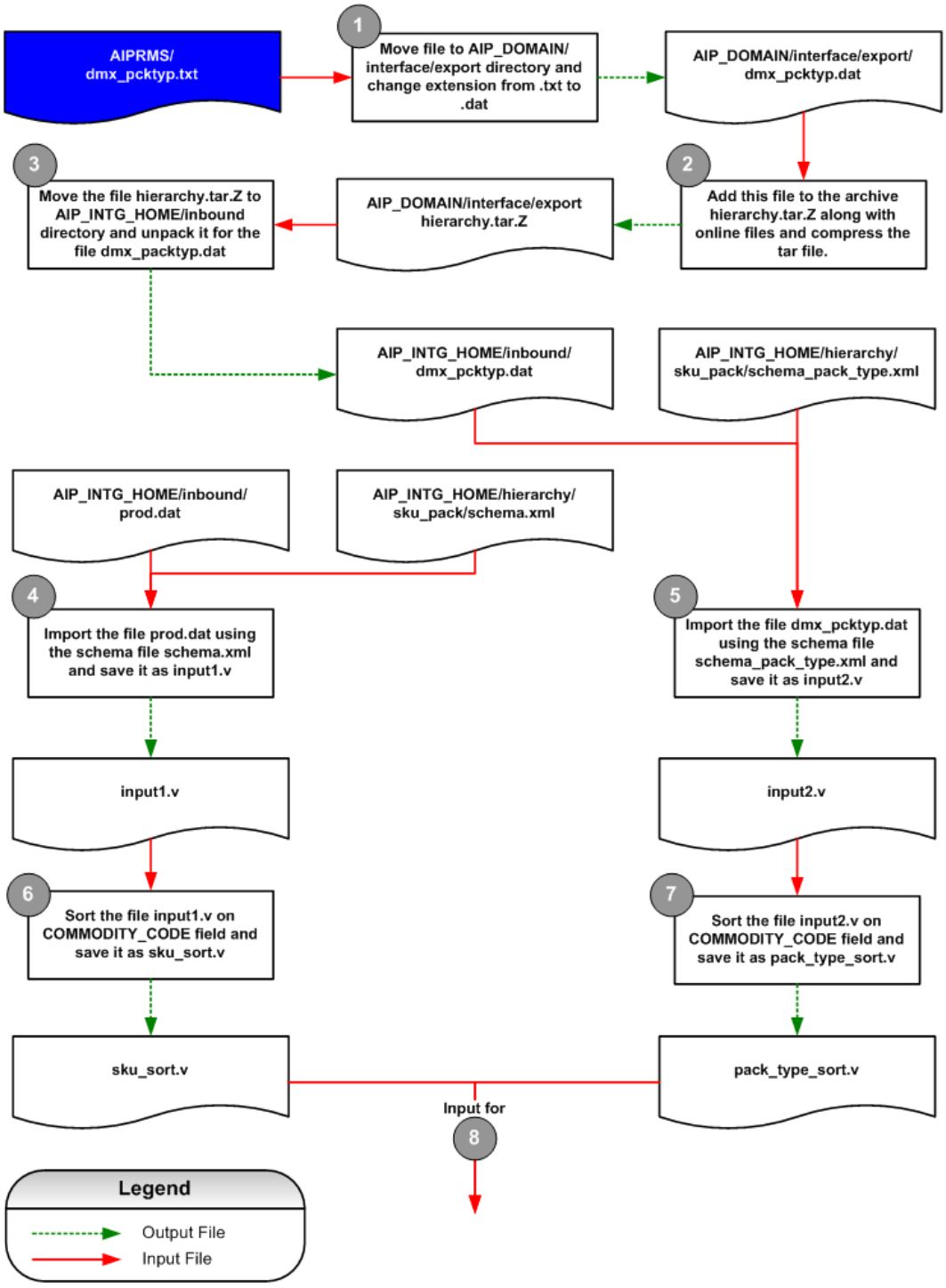
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

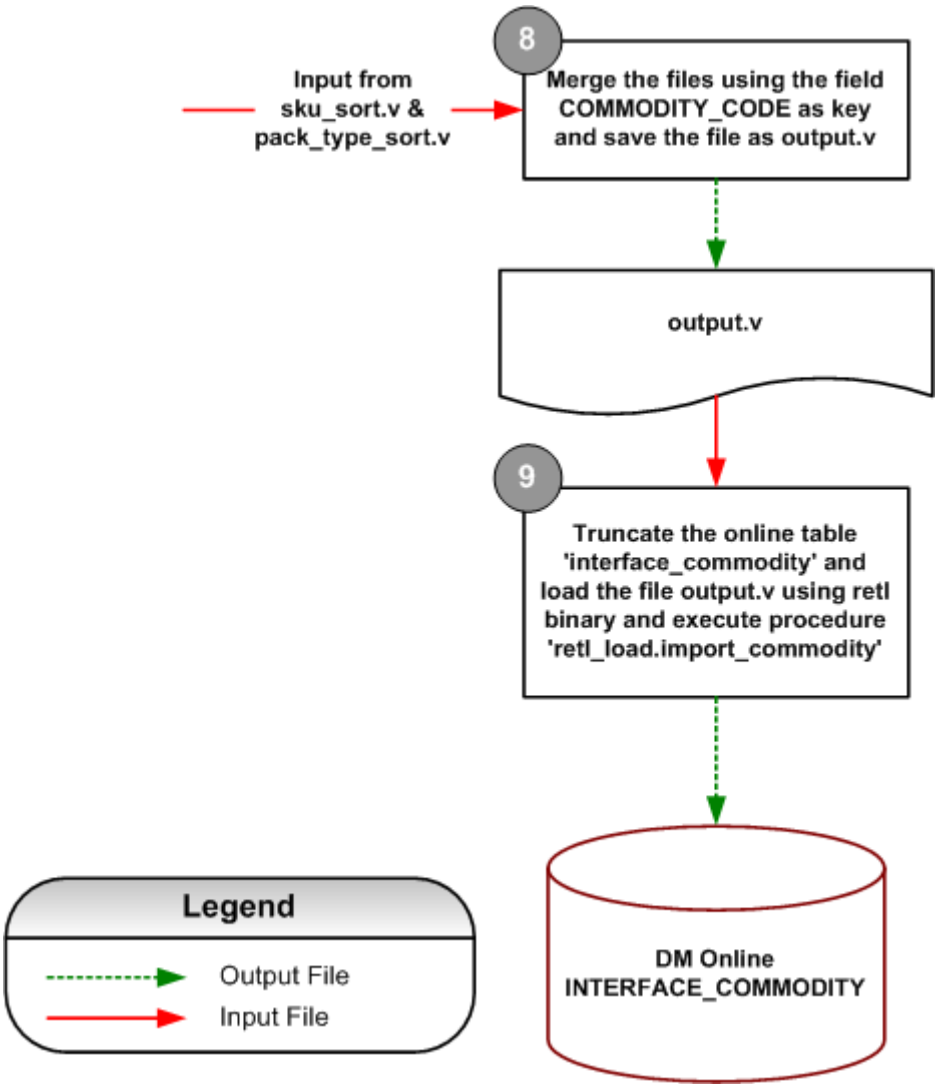
Example of dmx_pcktyp.txt File:

```
100033002_1          EACH
100033002_4          CASE
```

Pack Type – Online Load Process



Pack Type Online Load Process Diagram (1 of 2)



Pack Type Online Load Process Diagram (2 of 2)

dmx_pprsts.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Pre-Priced Status	Contains SKU Pack Size and Pre-price status

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	dmx_pprsts
Source Object Name	dmx_pprsts.txt	Target Object Database	data/dmbase
Required/Optional	Required	Target Object Load Intersection	SKPS

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	SKPS	SKU Pack Size	1	20
2	VALUE	Pre-Priced Status	21	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	SKPS	SKPS Dimension	String	"100033002_1 "
2	Value	Pre-Priced Status	Integer	"12 " NaVal = 0

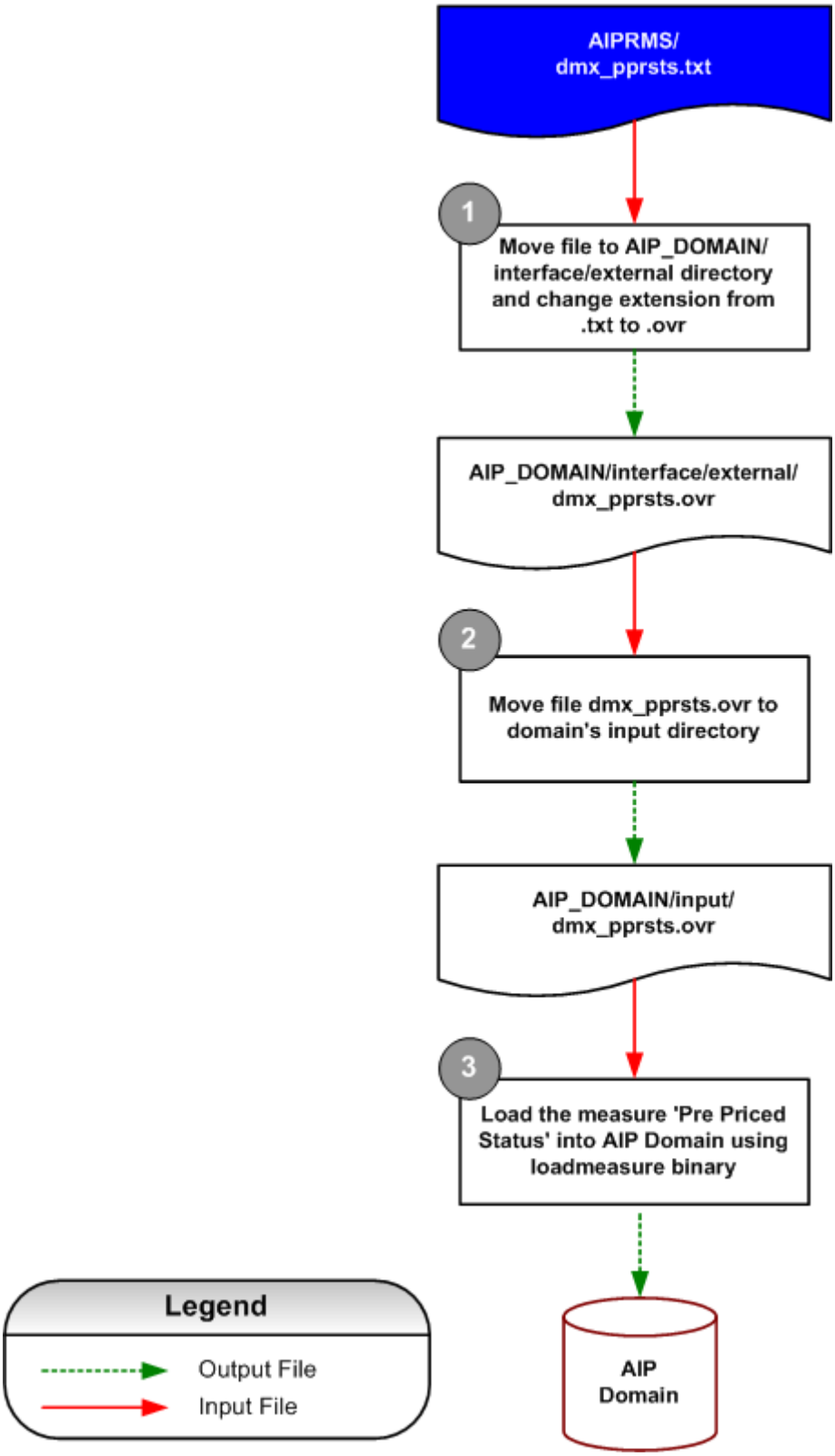
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of dmx_pprsts.txt Extract File Format:

```
100033002_1          12
100033002_4          15
```

Pre Price Status – AIP Load Process



Pre Price Status AIP Load Process Diagram

dmx_shpto_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Receiving Supplier / Ship To	Contains Supplier and Ship To values

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	dmx_shpto_
Source Object Name	dmx_shpto_.txt	Target Object Database	data/dmx_shpto_
Required/Optional	Required	Target Object Load Intersection	splr

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Supplier	Supplier	1	20
2	Value	Ship To	21	24

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Supplier	SPLR Dimension	String	"V166 "
2	Ship To	Ship To Code	String	"XD_GS NaVal = "

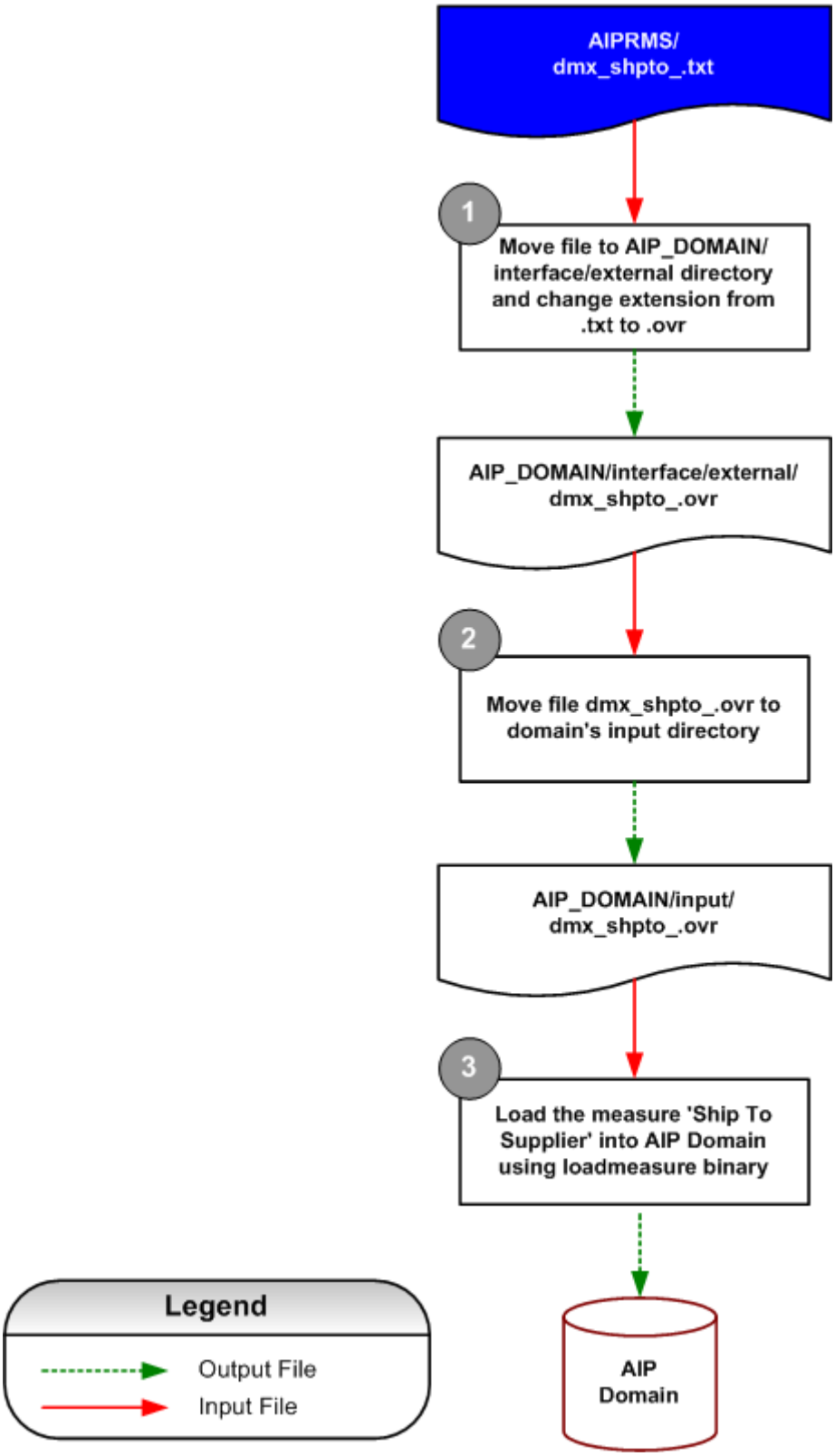
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of dmx_pprsts.txt Extract File Format:

```
V166                CS_RG
V505                XD_GS
```

Ship To Supplier – AIP Load Process



Ship To Supplier AIP Load Process Diagram

ipavgrtslsi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Total Store Average Rate Of Sales	Contains destination stocking point, SKU and Subtype code

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipavgrtslsi
Source Object Name	ipavgrtslsi.txt	Target Object Database	data/avgrtsls
Required/Optional	Required	Target Object Load Intersection	SKU_dstk

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Destination Stocking Point	1	20
2	SKU	SKU	21	20
3	VALUE	Total Store Average Rate Of Sales	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	Dstk	Destination Stocking Point	String	"W1090	"
2	SKU	SKU	Int	"100048001	"
3	Value	Total Store Average Rate Of Sales	Real	"123.5678" NaVal= -1	

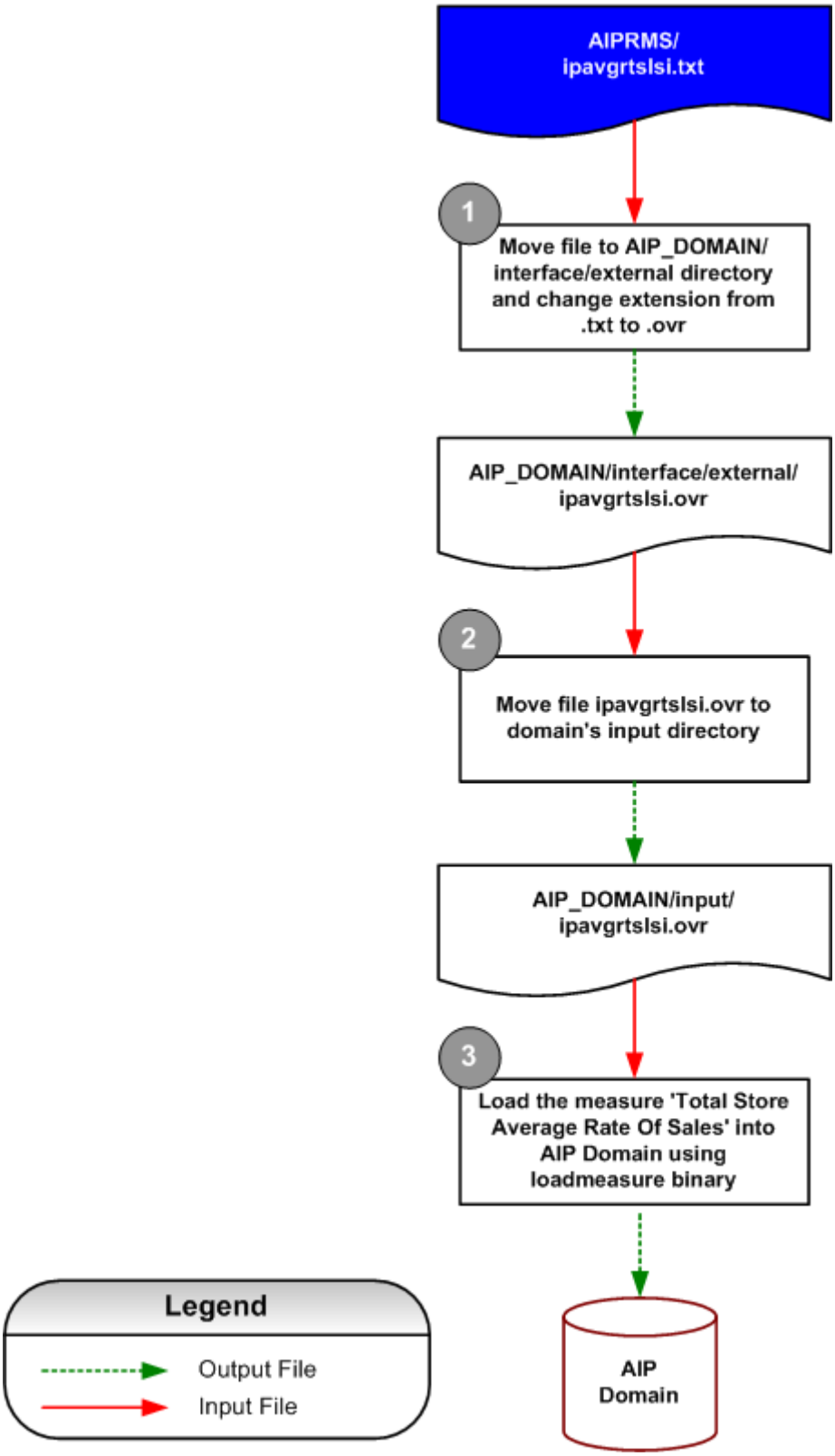
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of ipavgrtslsi.txt Exact File Format:

```
W1090               100048001           123.5678
```

Total Store Average Rate Sales – AIP Load Process



Total Store Average Rate Sales AIP Load Process Diagram

ipfctwkprfd.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Week to Day Forecast Percentage Default	Contains day of week, chain, department and Week to day forecast percentage default value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipfctwkprfd
Source Object Name	ipfctwkprfd.txt	Target Object Database	data/ipfctwkprfd
Required/Optional	Required	Target Object Load Intersection	deptCHN_dow_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Day of Week	Day of Week	1	8
2	Chain	Chain	9	20
3	Department	Department	29	20
4	VALUE	Week to Day Forecast Percentage Default	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day of Week	DOW Dimension	String	"MON "
2	Chain	CHN Dimension	String	"1 "
3	Department	DEPT Dimension	Int	"5 "
4	VALUE	Week to Day Forecast Percentage Default	Real	"0.14 " NaVal = 0

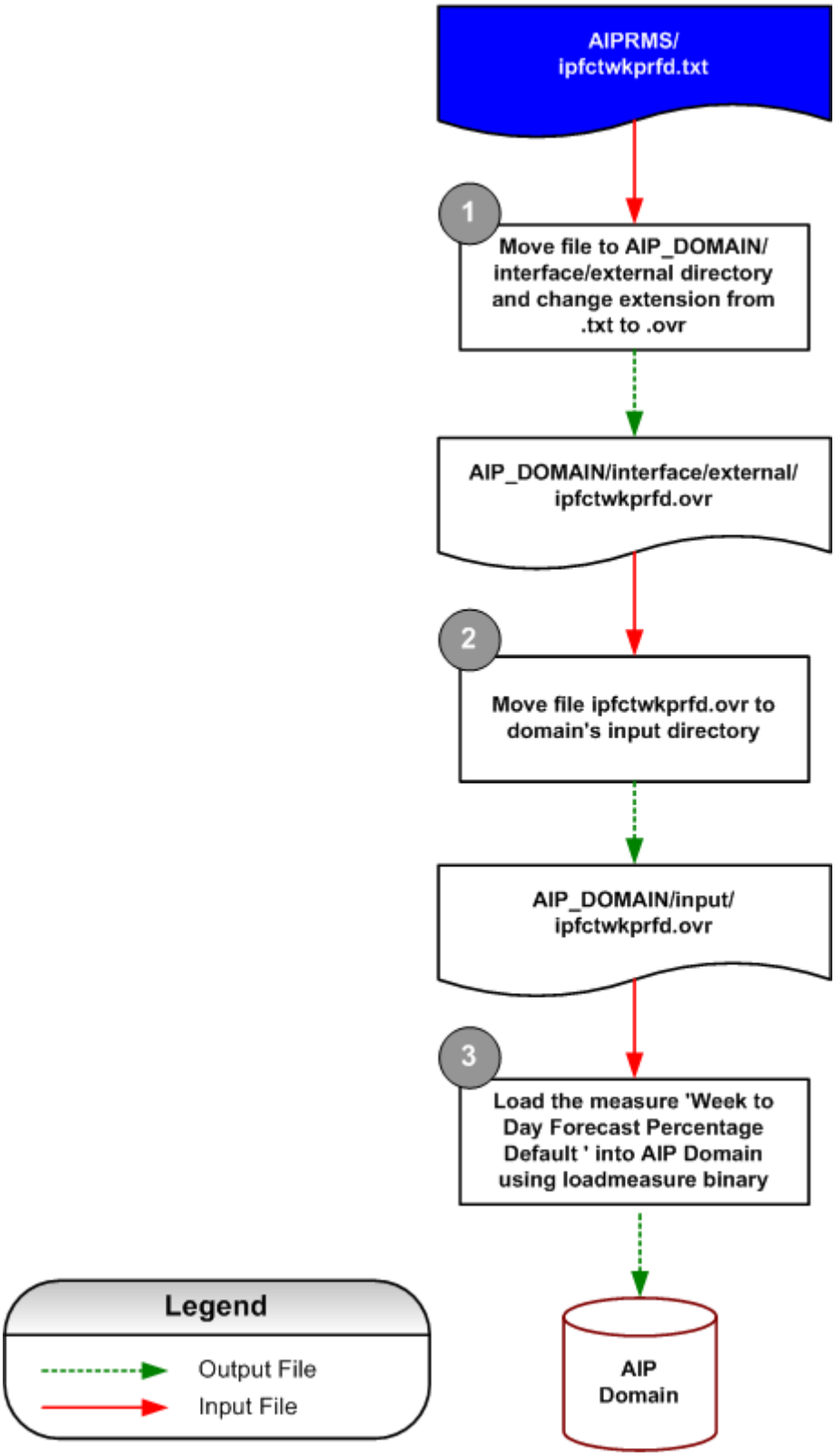
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of ipfctwkprfd.txt Extract File Format:

```
MON     1               5               0.14
TUE     1               5               0.14
```

Week to Day Forecast Percentage Default – AIP Load Process



Week to Day Forecast Percentage Default AIP Load Process Diagram

ipfctwkprfe.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Week to Day Forecast Percentage Override	Contains day of week, chain, subclass and Week to day forecast percentage override value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipfctwkprfe
Source Object Name	ipfctwkprfe.txt	Target Object Database	data/ipfctwkprfe
Required/Optional	Required	Target Object Load Intersection	SCLSCHN_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Day of Week	Day of Week	1	9
2	Chain	Chain	10	20
3	Subclass	Subclass	30	20
4	VALUE	Week to Day Forecast Percentage Override	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day of Week	DOW Dimension	String	"MON "
2	Chain	CHN Dimension	String	"1 "
3	Subclass	SCLS Dimension	Int	"5 "
4	VALUE	Week to Day Forecast Percentage Override	Real	"0.14 " NaVal = 0

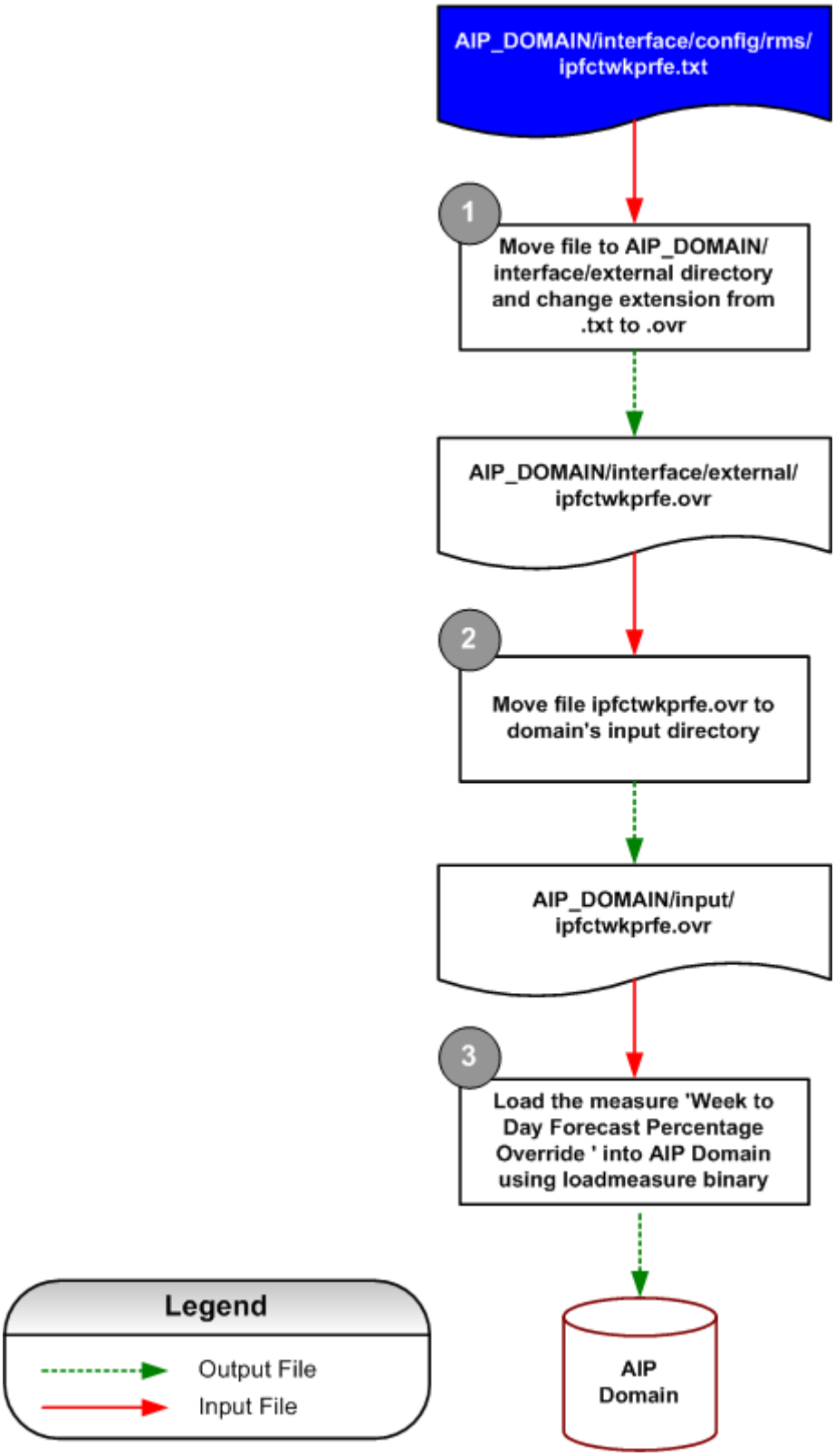
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of ipfctwkprfe.txt Extract File Format:

```
MON     1               5               0.14
TUE     1               5               0.14
```

Week to Day Forecast Percentage Override – AIP Load Process



Week to Day Forecast Percentage Override AIP Load Process Diagram

iphldbckqtyi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Hold Back Quantity	Contains day, destination stocking point, SKU and Hold Back Quantity value.

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipodcmti
Source Object Name	iphldbckqtyi.txt	Target Object Database	data/hldbckqty
Required/Optional	Required	Target Object Load Intersection	SKU_dstkday_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	DSTK	Designation Stocking Point	10	20
3	SKU	SKU	30	20
4	VALUE	Hold Back Quantity	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050820"
2	Dstk	DSTK Dimension	String	"W1090 "
3	SKU	SKU Dimension	Int	"100048001 "
4	Value	Hold Back Quantity	Real	"280 " NaVal = -1

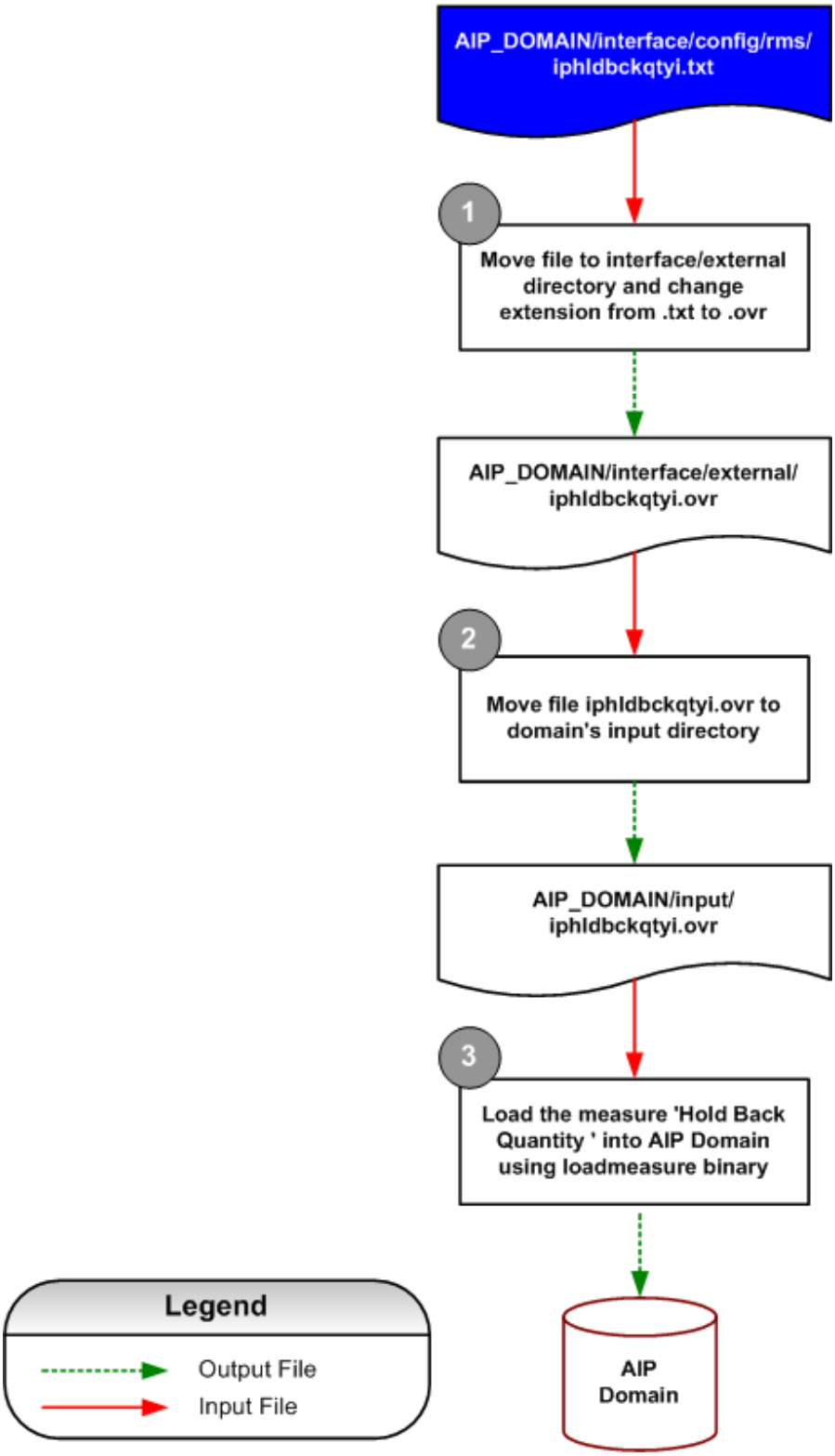
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of iphldbckqtyi.txt Extract File Format:

```
D20050820W1090              100048001          280
```

Hold Back Quantity – AIP Load Process



Hold Back Quantity AIP Load Process Diagram

ipldssi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Loaded Safety Stock	Contains destination stocking point, SKU and Loaded safety stock value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipldssi
Source Object Name	ipldssi.txt	Target Object Database	data/ldss
Required/Optional	Required	Target Object Load Intersection	SKU_dstk

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Destination Stocking Point	1	20
2	SKU	SKU	21	20
3	VALUE	Loaded Safety Stock Value	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	Dstk	DSTK Dimension	String	"W1090	"
2	SKU	SKU Dimension	Int	"100048001	"
3	Value	Loaded Safety Stock Value	Real	"520.50000" NaVal =0	

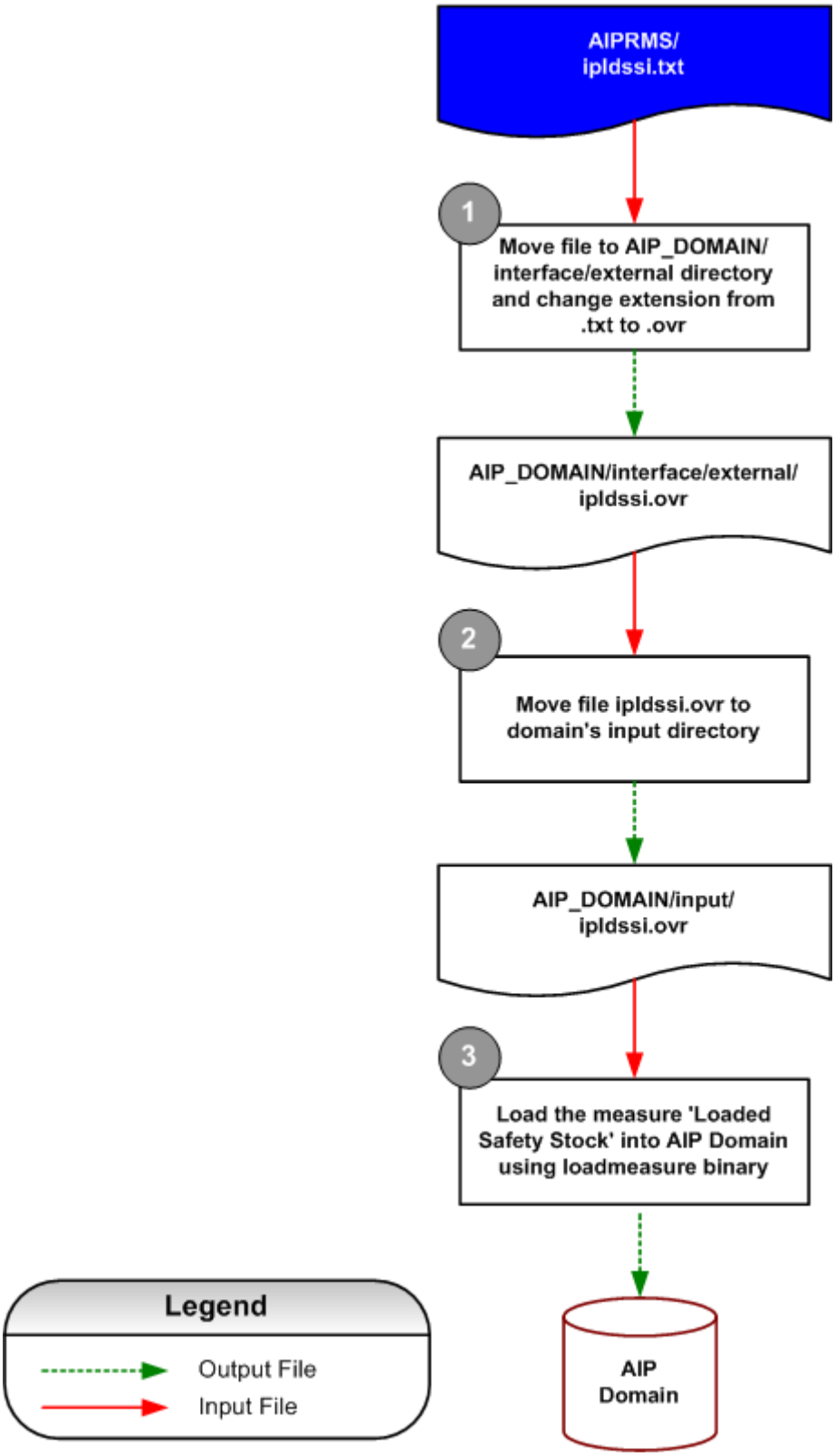
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of ipldssi.txt Extract File Format:

```
W1090                100048001            520.5000
W3066                100049004            520.5000
```

Loaded Safety Stock – AIP Load Process



Loaded Safety Stock AIP Load Process Diagram

ipodcmti.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Order Commit	Contains Week, SKU and Order Commit value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipodcmti
Source Object Name	ipodcmti.txt	Target Object Database	data/odcmt
Required/Optional	Required	Target Object Load Intersection	SKU_week

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week of the Year	1	8
2	SKU	SKU	9	20
3	VALUE	Order Commit	29	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Week	Week	String	"W25_2005"
2	SKU	SKU	Int	"100055017 "
3	Value	Order Commit	Real	"1200.000" NaVal= -1

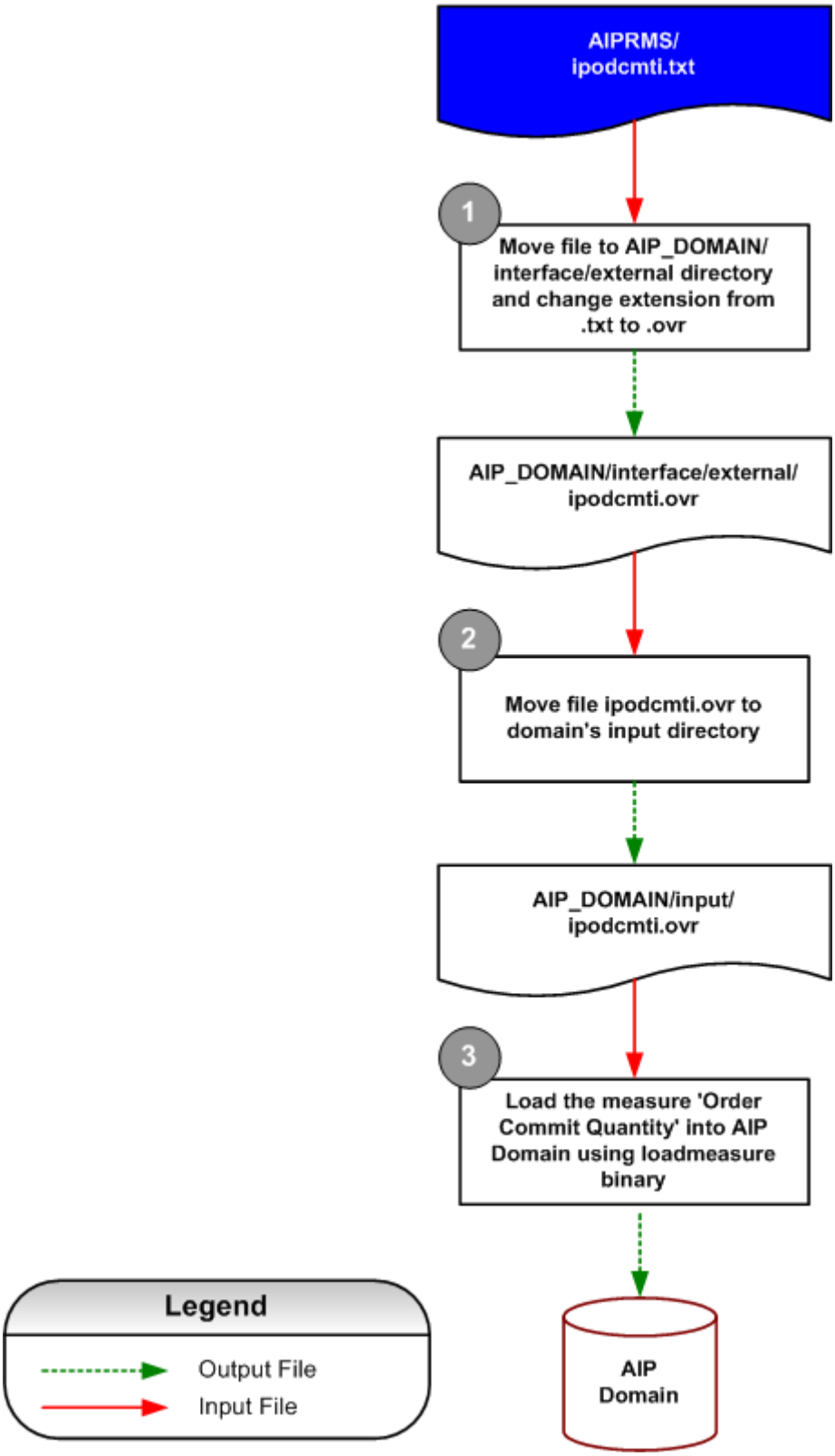
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of ipodcmti.txt Extract File Format:

```
W25_2005100055017          1200.000
W26_2005100055017          1200.000
```

Order Commit Quantity – AIP Load Process



Order Commit Quantity AIP Load Process Diagram

iprplstcdi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Replenishment Subtype Code	Contains destination stocking point, SKU and Subtype code

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	iprplstcdi
Source Object Name	iprplstcdi.txt	Target Object Database	data/rplstcd
Required/Optional	Required	Target Object Load Intersection	SKU_dstk

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Destination Stocking Point	1	20
2	SKU	SKU	21	20
3	Value	Replenishment Type Code Value	41	24

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Dstk	Destination Stocking Point	String	"W1090 "
2	SKU	SKU	int	"100046031 "
3	Value	Replenishment Type Code Value	string	"H " NaVal = ''

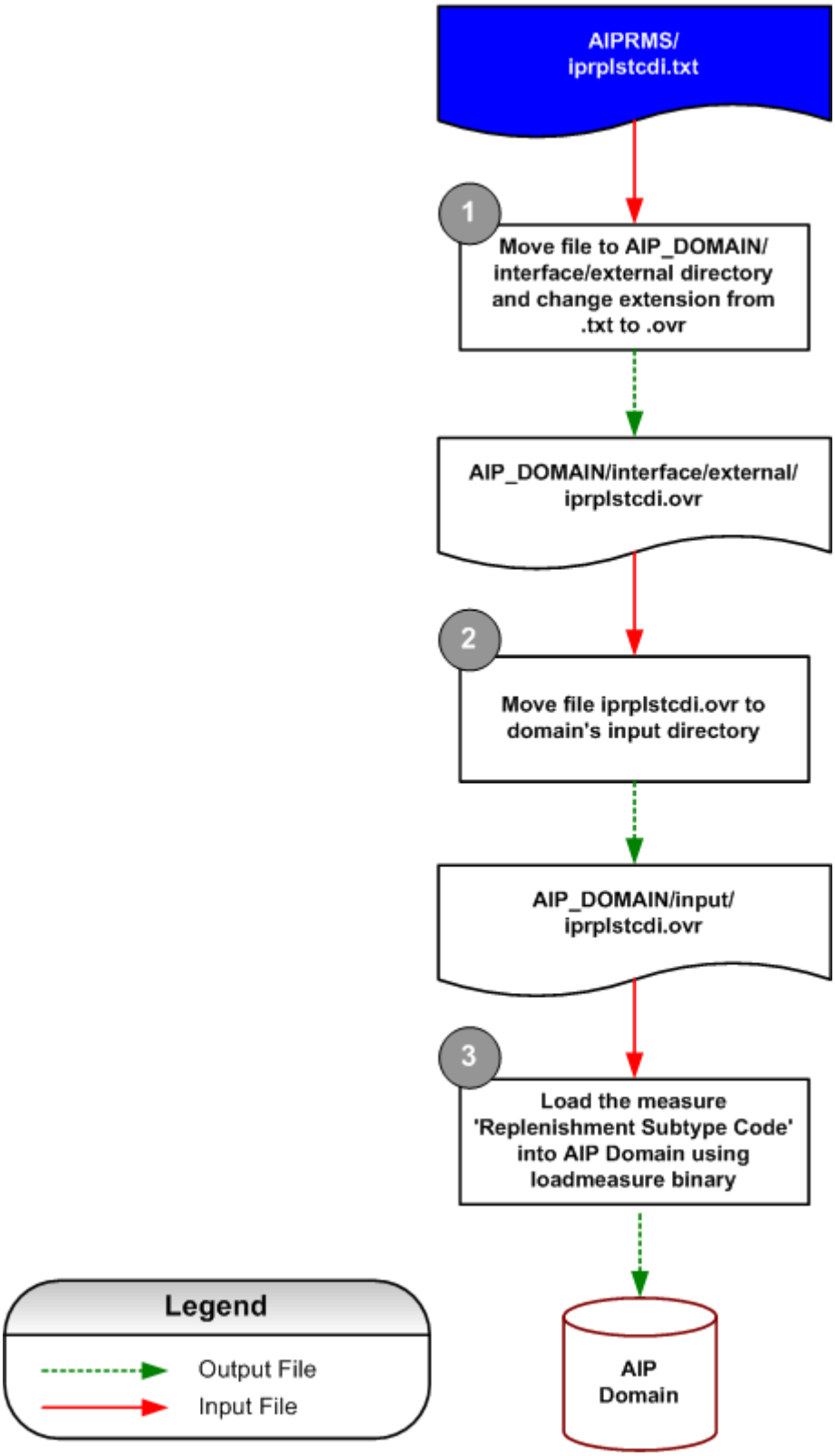
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of iprplstcdi.txt Extract File Format:

```
W1090               100046031           H
W3066               100033002           O
```

Replenishment Subtype Code – AIP Load Process



Replenishment Subtype Code AIP Load Process Diagram

iprpltcdi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Replenishment Type Code	Contains destination stocking point, SKU and Type code value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	iprpltcdi
Source Object Name	iprpltcdi.txt	Target Object Database	data/rpltcd
Required/Optional	Required	Target Object Load Intersection	SKU_dstk

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Designation Stocking Point	1	20
2	SKU	SKU	21	20
3	Value	Replenishment Type Code Value	41	24

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Dstk	Destination Stocking Point	String	"W1090 "
2	SKU	SKU	int	"100033002 "
3	Value	Replenishment Type code value	string	"A " NaVal = ''

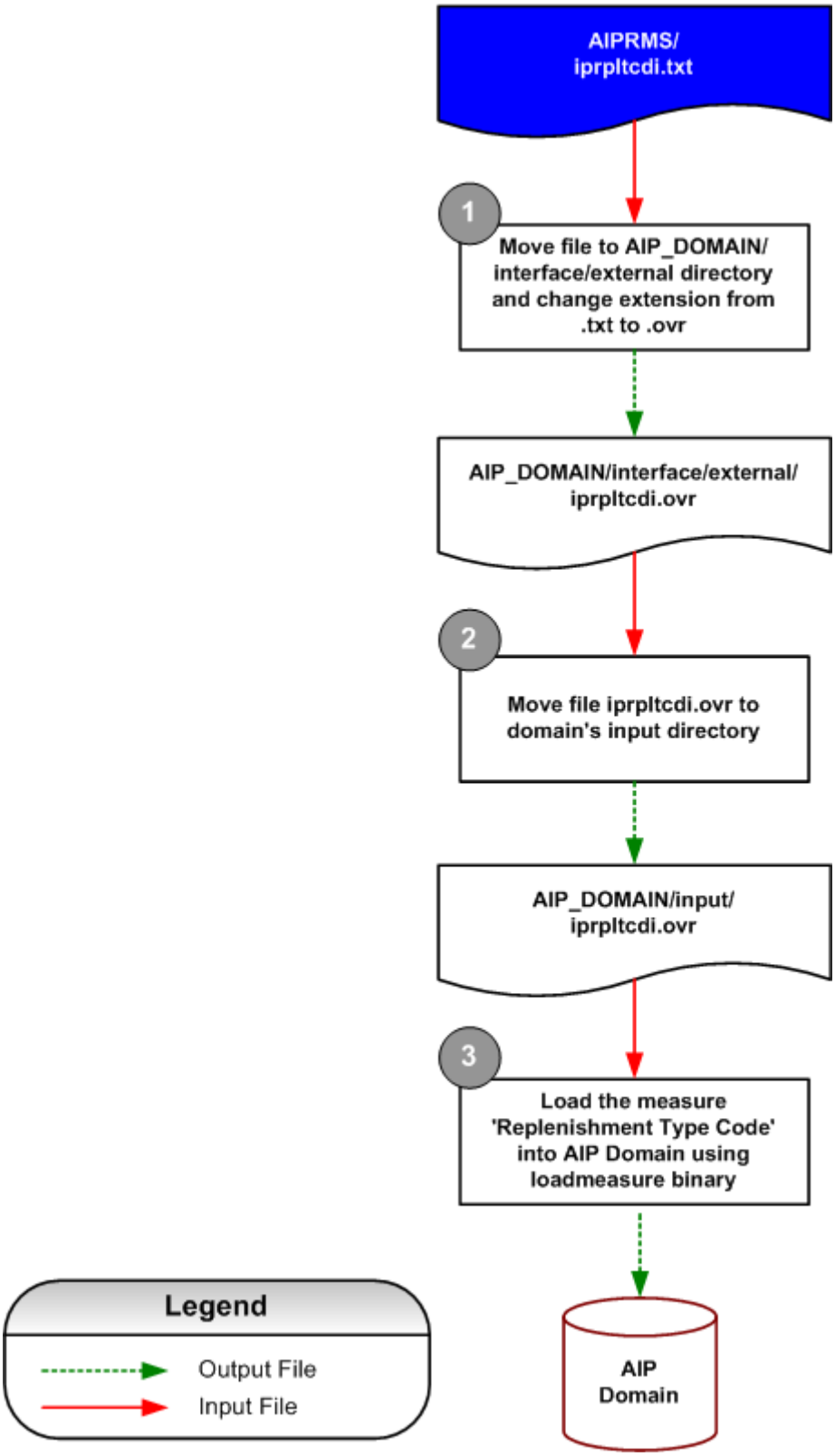
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of iprpltcdi.txt Extract File Format:

```
W1090                100046031            A
W3066                100033002            0
```

Replenishment Type Code – AIP Load Process



Replenishment Type Code AIP Load Process Diagram

ipslsi.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Historical Weekly Sales	Contains Week, Destination Stocking Point, SKU and historical weekly sales value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data Point
Source Object Type	Fixed Length Text File	Target Object Name	ipslsi
Source Object Name	ipslsi.txt	Target Object Database	data/sls
Required/Optional	Required	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week	1	8
2	DSTK	Destination Stocking Point	9	20
3	SKU	SKU	29	20
4	VALUE	Historical Weekly Sales	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Week	WEEK Dimension	String	"W31_2005"
2	Dstk	DSTK Dimension	String	"W1090 "
3	SKU	SKU Dimension	Int	"100048001 "
4	Value	Hold Back Quantity	Real	"105.0000" NaVal = 0

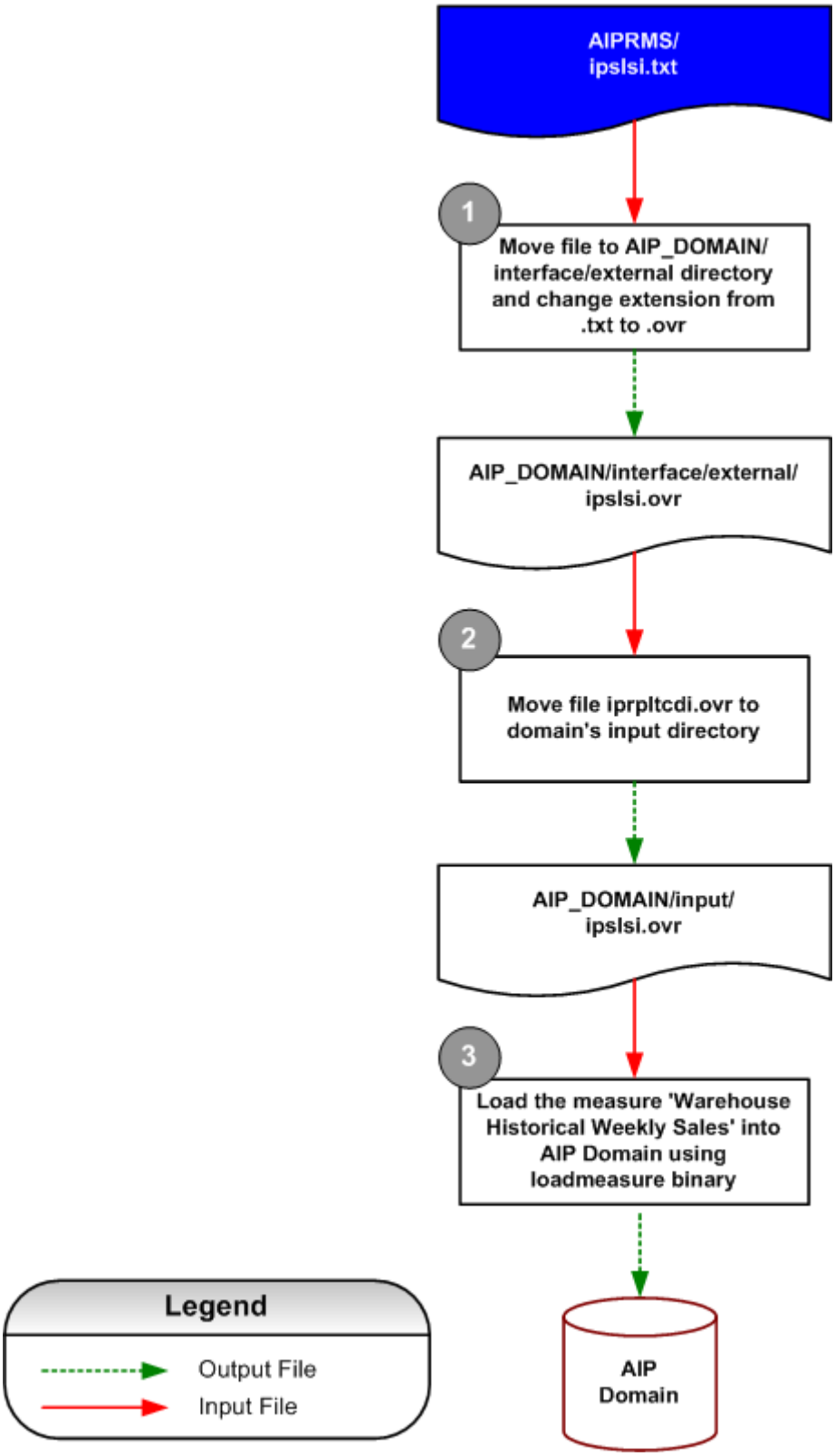
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of ipslsi.txt Extract File Format:

```
W31_2005W1090              100076002          105.0000
```

Warehouse Historical Weekly Sales – AIP Load Process



Warehouse Historical Weekly Sales AIP Load Process Diagram

item_attribute.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Item Attribute	Contains SKU, Order Multiple, Pack Quantity, Attribute Type, Attribute Value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Item Attributes
Source Object Name	item_attribute.txt	Target Object Database	online DB
Required/Optional	Required	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	RMS SKU	RMS SKU	1	20
2	Order Multiple	Order Multiple	21	4
3	Pack Quantity	Pack Quantity	25	4
4	Attribute Type	Attribute Type	29	6
5	Attribute Value	Attribute Value	35	40

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	RMS SKU	RMS SKU	String	"100048001 "
2	Order Multiple	Order Multiple	Int	"1 "
3	Pack Quantity	Pack Quantity	String	"0 "
4	Attribute Type	Attribute Type	String	"WHSED "
5	Attribute Value	Attribute Value	String	"Y"

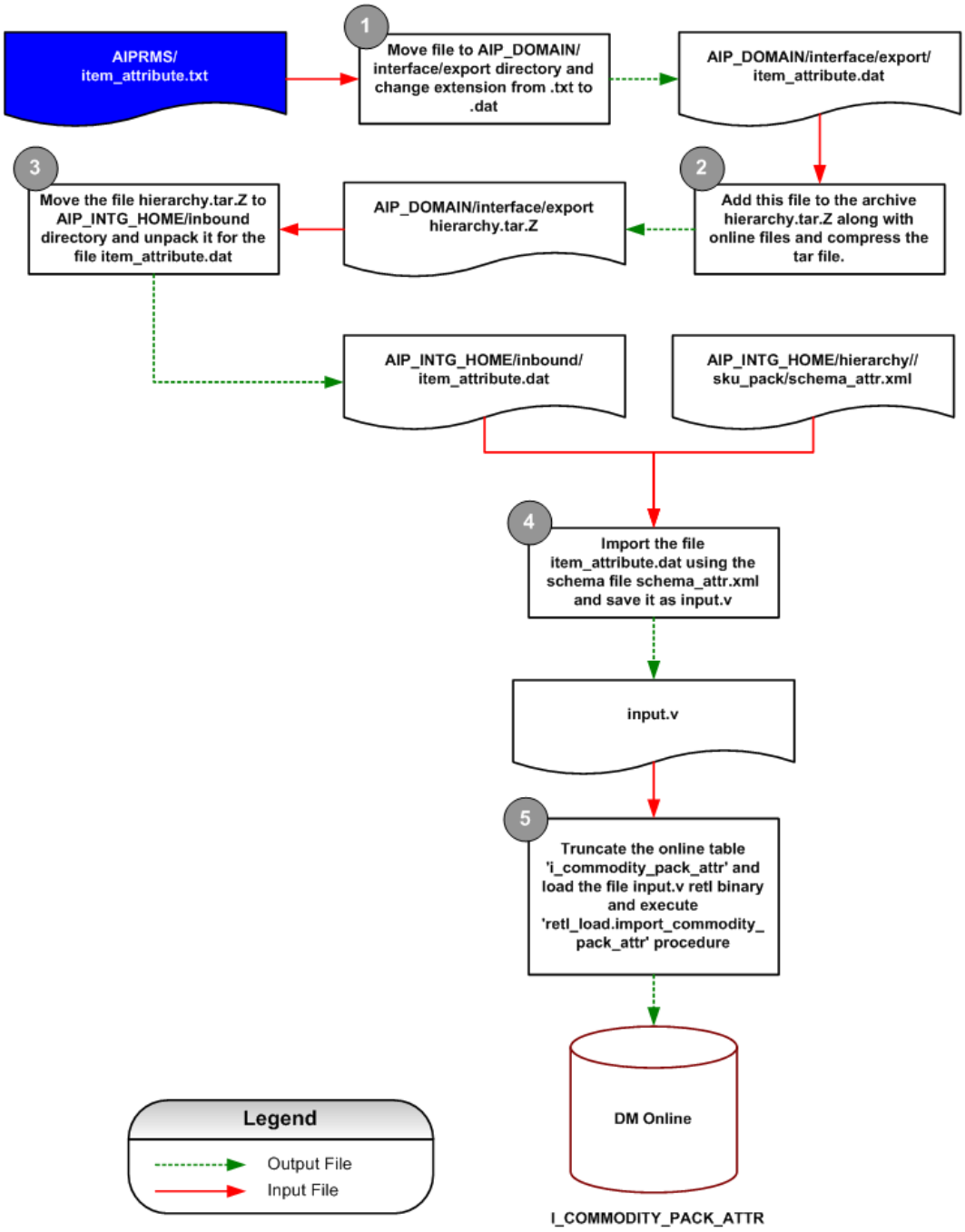
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of item_attribute.txt **Extract File Format:**

```
100048001          1   0   WHSED Y
100049004          1   0   WHSED Y
```

Item Attribute – Online Load Process



Item Attribute Online Load Process Diagram

item_attribute_type.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Item Type	Contains SKU, Order Multiple, Pack Quantity, Attribute Type, Attribute Value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Item Attribute Types
Source Object Name	item_attribute_type.txt	Target Object Database	online DB
Required/Optional	Required	Target Object Load Intersection	N/A

Filed Level Mapping - Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Attribute Type	Attribute Type	1	6
2	Attribute Type Description	Attribute Type Description	7	40

Filed Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Attribute Type	Attribute Type	String	`"WHSED "`
2	Attribute Type Description	Attribute Type Description	String	`"Warehouse Indicator "`

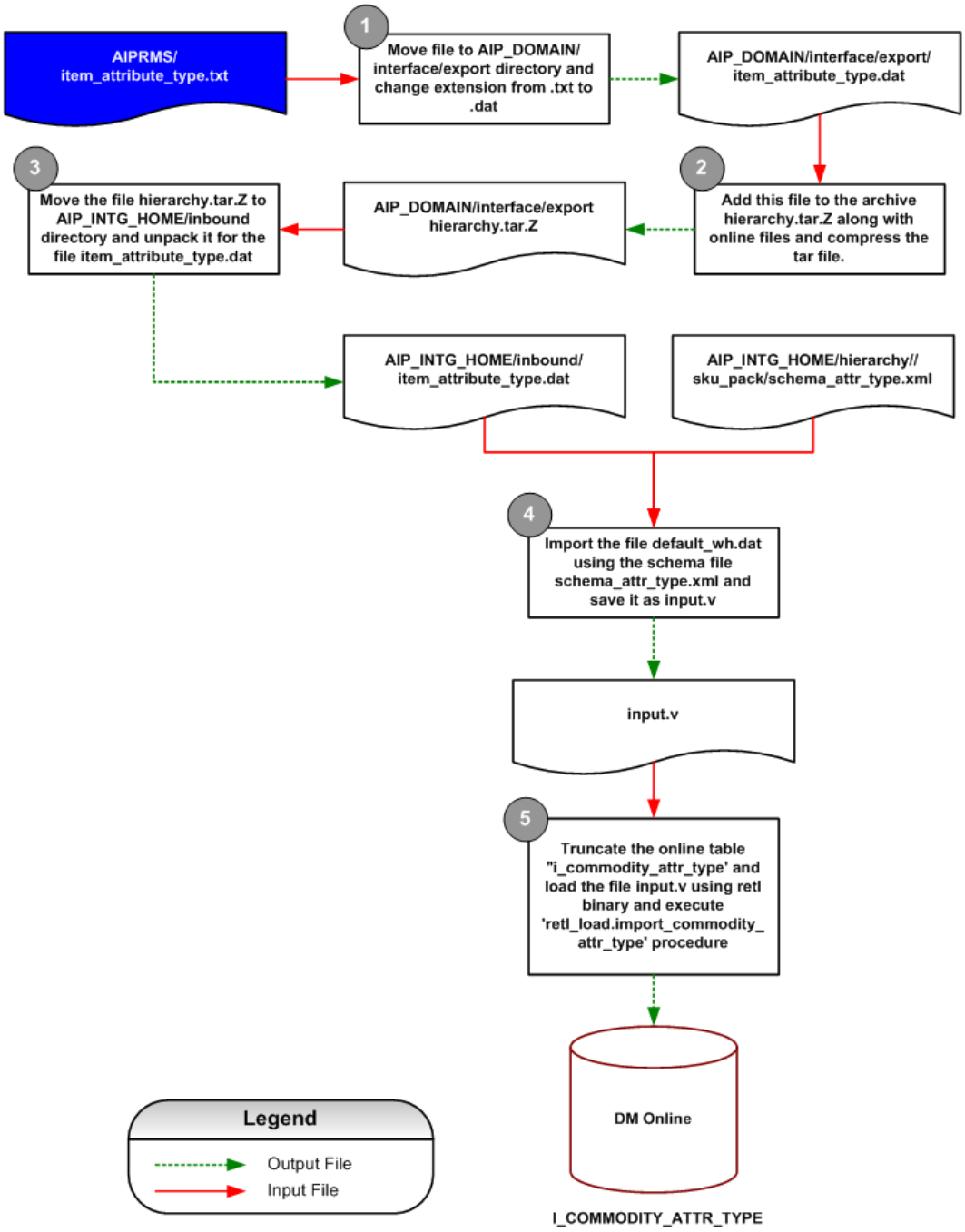
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of item_attribute_type.txt Extract File Format:

```
WHSED Warehouse Indicator
VKSTK Viking Stocked Indicator
```

Item Attribute Type – Online Load Process



Item Attribute Type Online Load Process Diagram

sister_store.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Sister Store	Contains Sister Store, Existing Store and open date

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Sister Store
Source Object Name	sister_store.txt	Target Object Database	online DB
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Sister/New Store	Sister/New Store	1	20
2	Existing Store	Existing Store	21	20
3	Open Date	Open Date	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Sister/New Store	Sister/New Store	String	"S303 "
2	Existing Store	Existing Store	String	"S402 "
3	Open Date	Open Date	String	"20051201"

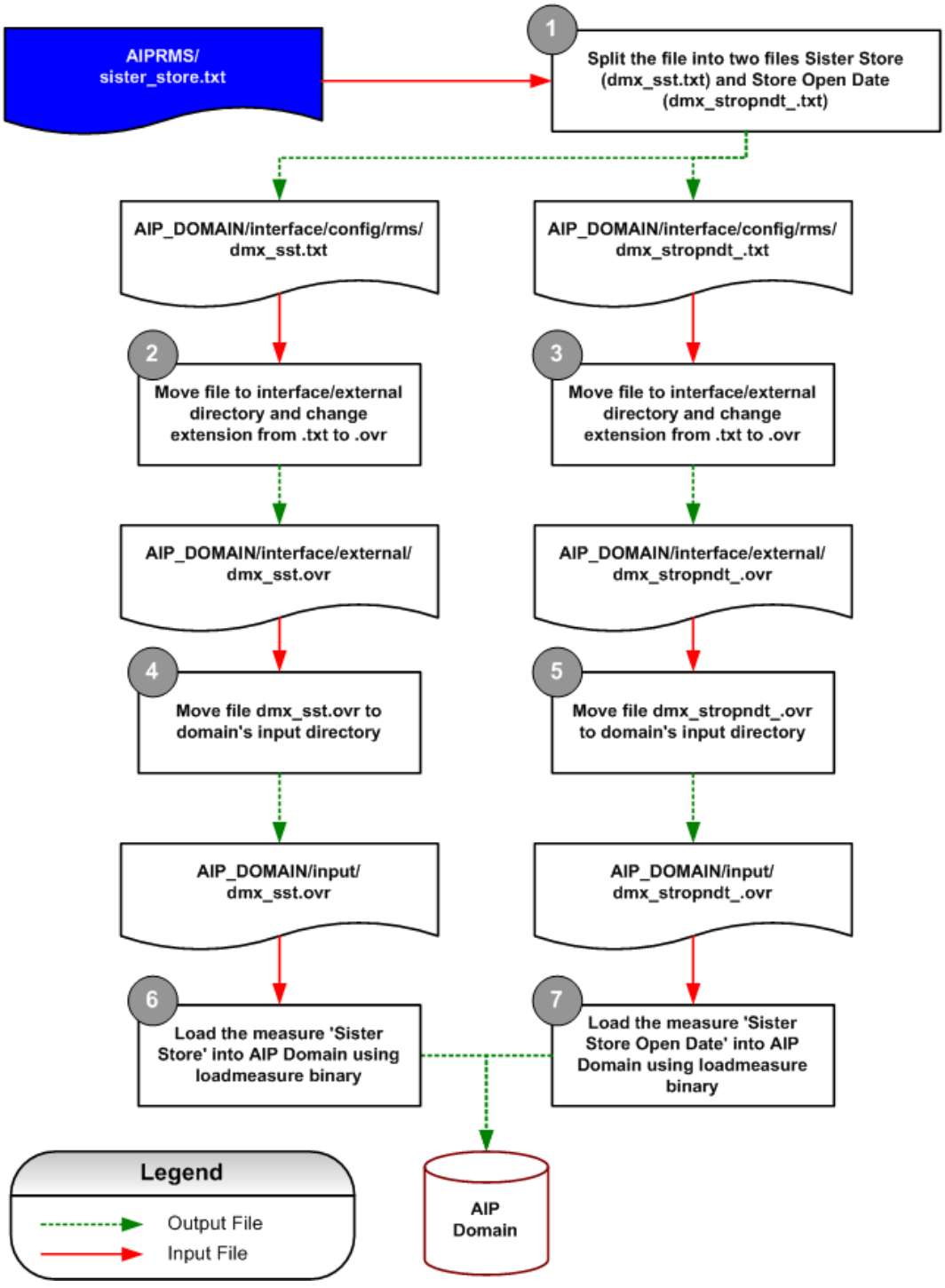
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sister_store.txt **Extract File Format:**

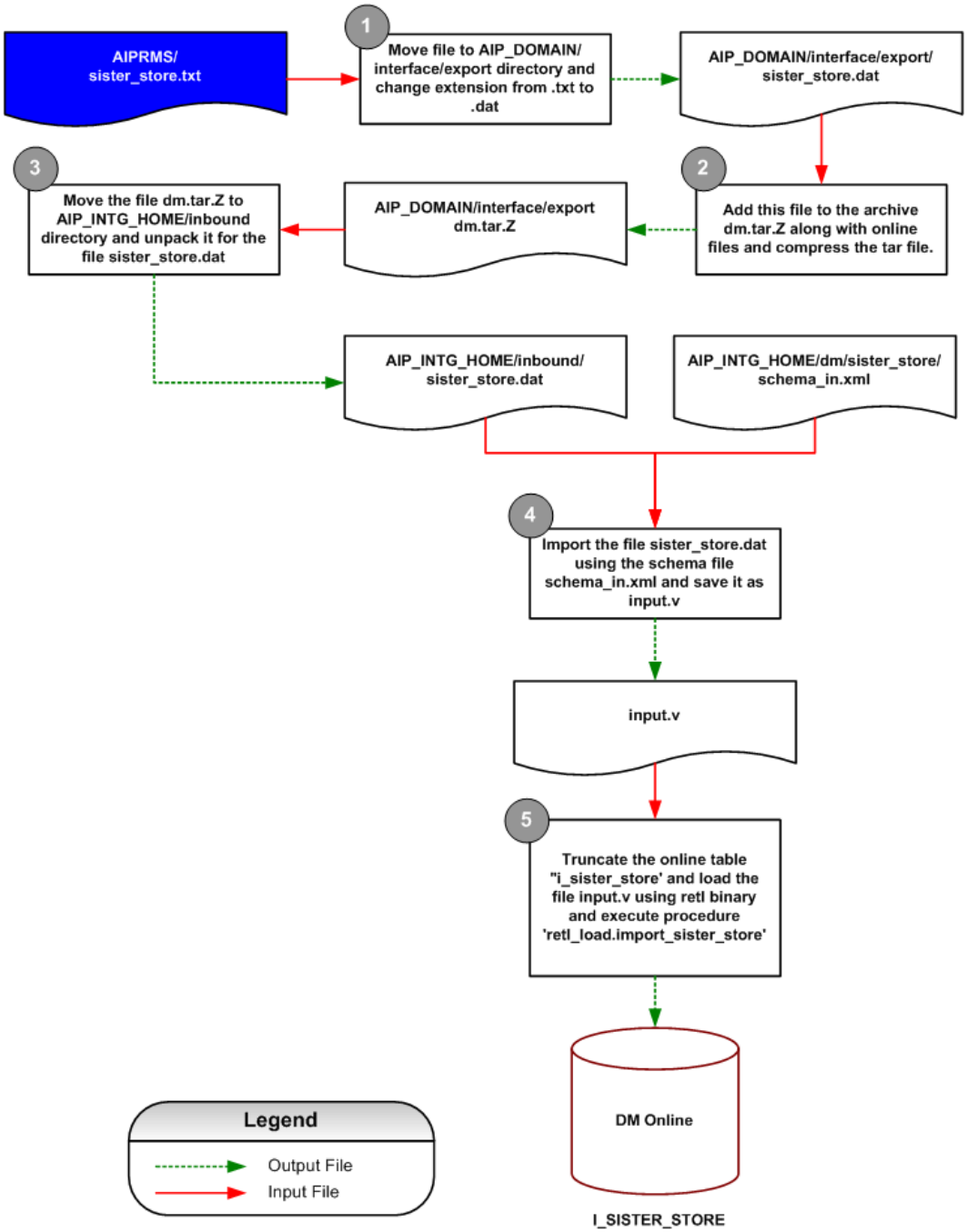
```
S303                S402                20051201
S348                S309                20051201
```

Sister Store – AIP Load Process



Sister Store AIP Load Process Diagram

Sister Store – Online Load Process



Sister Store Online-Load Process Diagram

sister_wh.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Sister Warehouse	Contains Sister Warehouse, Existing Warehouse and open date.

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Sister Warehouse
Source Object Name	sister_wh.txt	Target Object Database	online DB
Required/Optional	Required	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Sister/New Warehouse	Sister/New Warehouse	1	20
2	Existing Warehouse	Existing Warehouse	21	20
3	Open Date	Open Date	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Sister/New Warehouse	Sister/New Warehouse	String	"W1090 "
2	Existing Warehouse	Existing Warehouse	String	"W1091 "
3	Open Date	Open Date	String	"20051201"

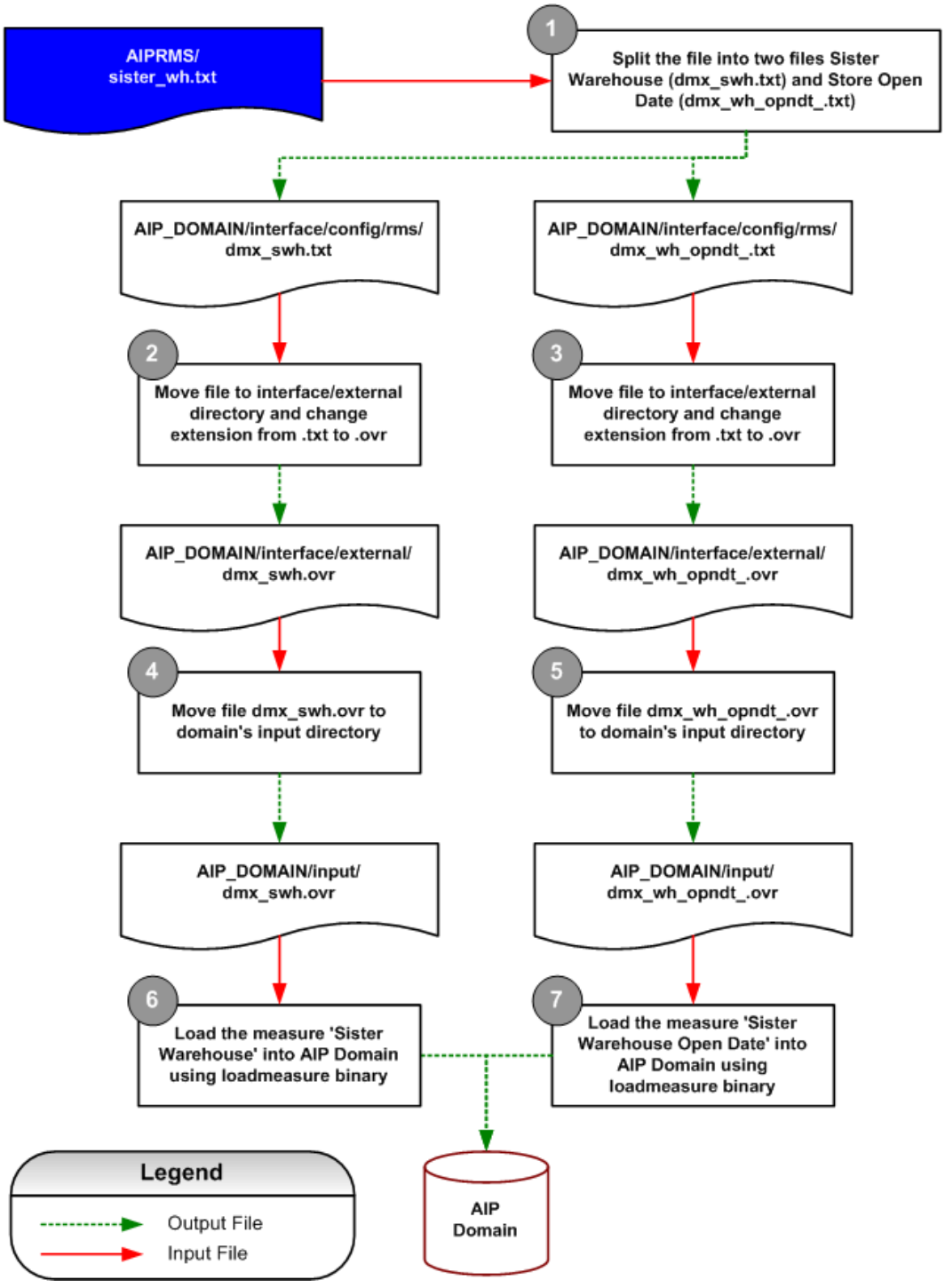
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sister_wh.txt Extract File Format:

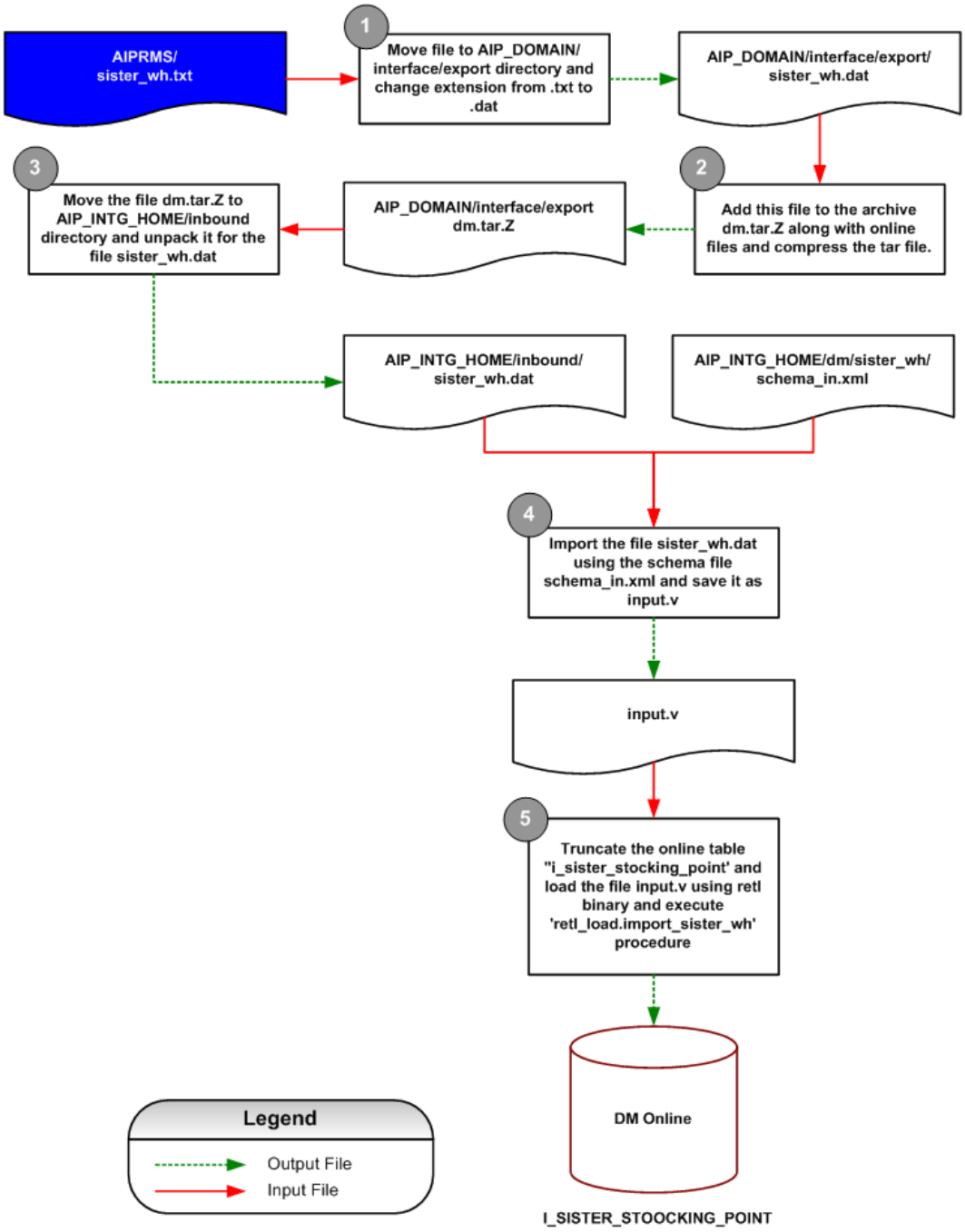
```
W1090               W1091               20051201
W1105               W1170               20051201
```

Sister Warehouse – AIP Load Process



Sister Warehouse AIP Load Process Diagram

Sister Warehouse – Online Load Process



Sister Warehouse Online Load Process Diagram

sr0_ad_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Ads	Contains Store, SKU, Ad and Store Ads Boolean flag

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ad_
Source Object Name	sr0_ad_.txt	Target Object Database	data/sr0_ad_
Required/Optional	Required	Target Object Load Intersection	ad__SKU_STR_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	AD	Advertisement	41	20
4	VALUE	Store Ads	61	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	Store	STR Dimension	String	"S348	"
2	SKU	SKU Dimension	int	"100055017	"
3	Ad	AD Dimension	String	"IC0604051	"
4	Value	Store Ads	Boolean	"1" NaVal = false	

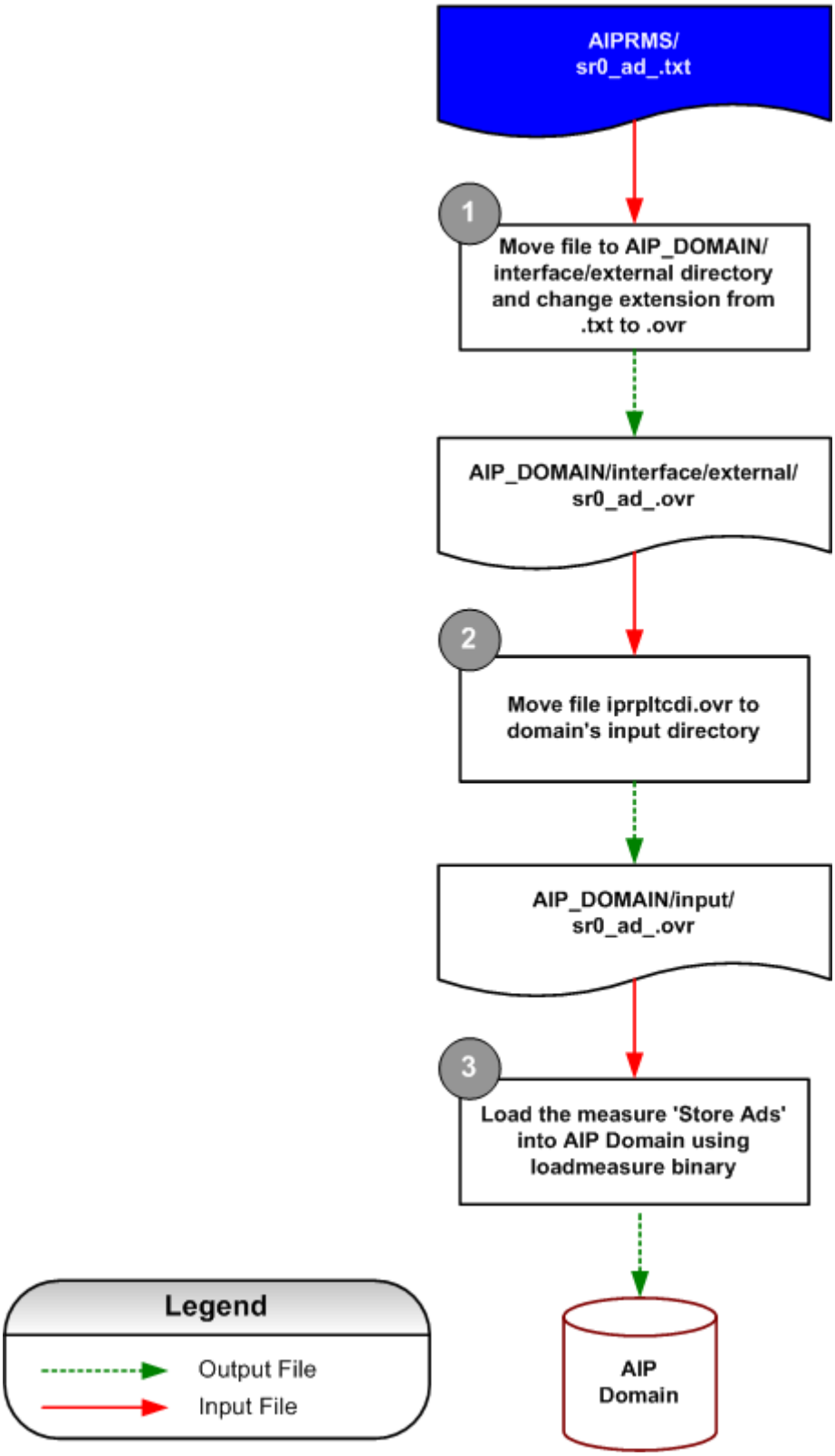
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_ad_.txt Extract File Format:

```
S348                100055017           IC0604051           1
```

Store Ads – AIP Load Process



Store Ads AIP Load Process Diagram

sr0_ad_go_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Ads Grand Opening	Contains Store, SKU, Ad and Store Ads grand opening value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ad_go_
Source Object Name	sr0_ad_go_.txt	Target Object Database	data/sr0_ad_go_
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Ads Grand Opening	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S348 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	Store Ads Grand Opening	Real	"123.5678" NaVal = 0

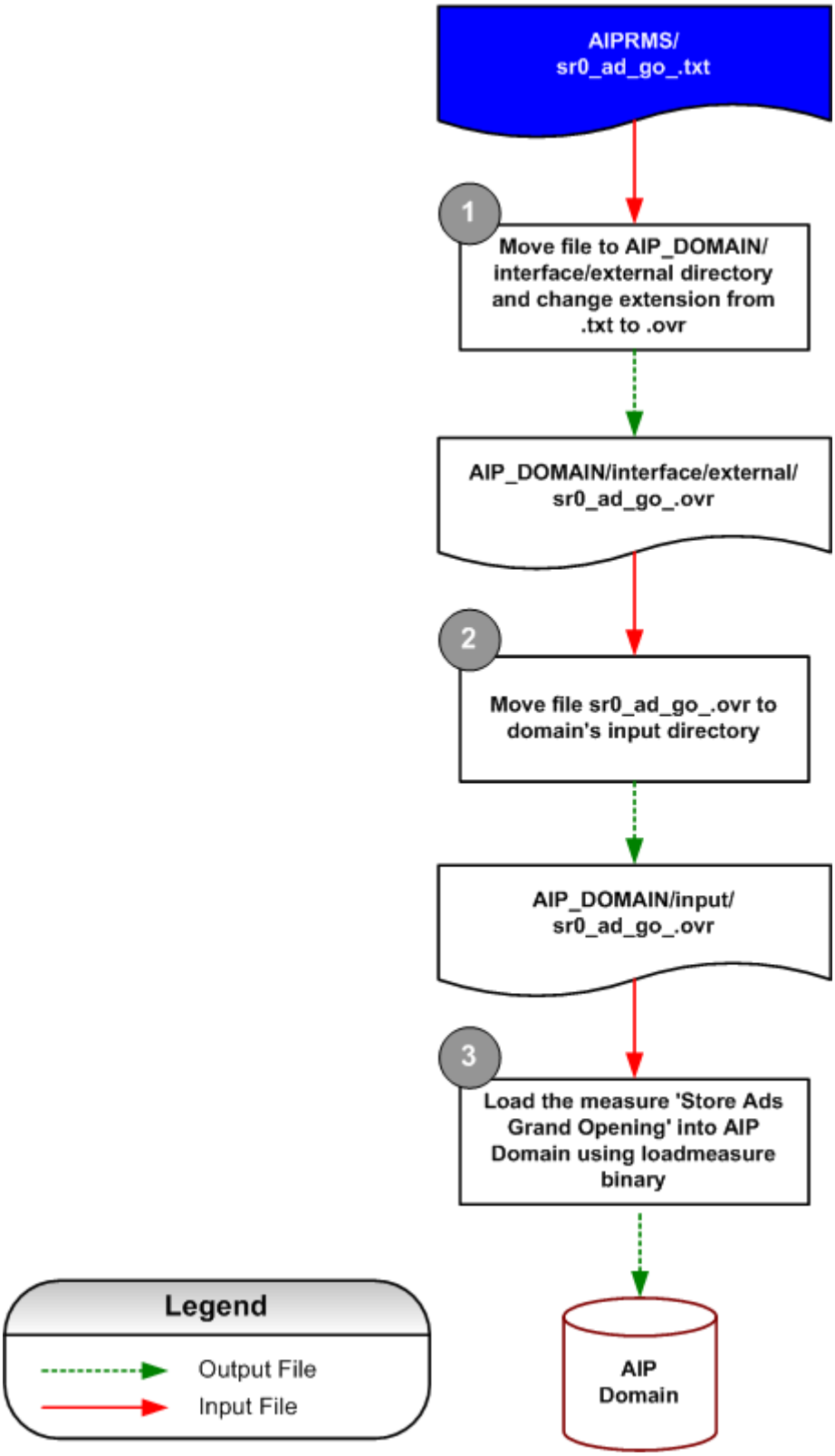
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_ad_go_.txt Extract File Format:

```
D20050801S348                100055017           123.5678
```

Store Ads Grand Opening – AIP Load Process



Store Ads Grand Opening AIP Load Process Diagram

sr0_ad_irt.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Ads Inserts	Contains Store, SKU, Ad and Store Ads Inserts Value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ad_irt
Source Object Name	sr0_ad_irt.txt	Target Object Database	data/sr0_ad_irt
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Ads Grand Opening	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S348 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	Store Ads Grand Opening	Real	"1.000000" NaVal = 0

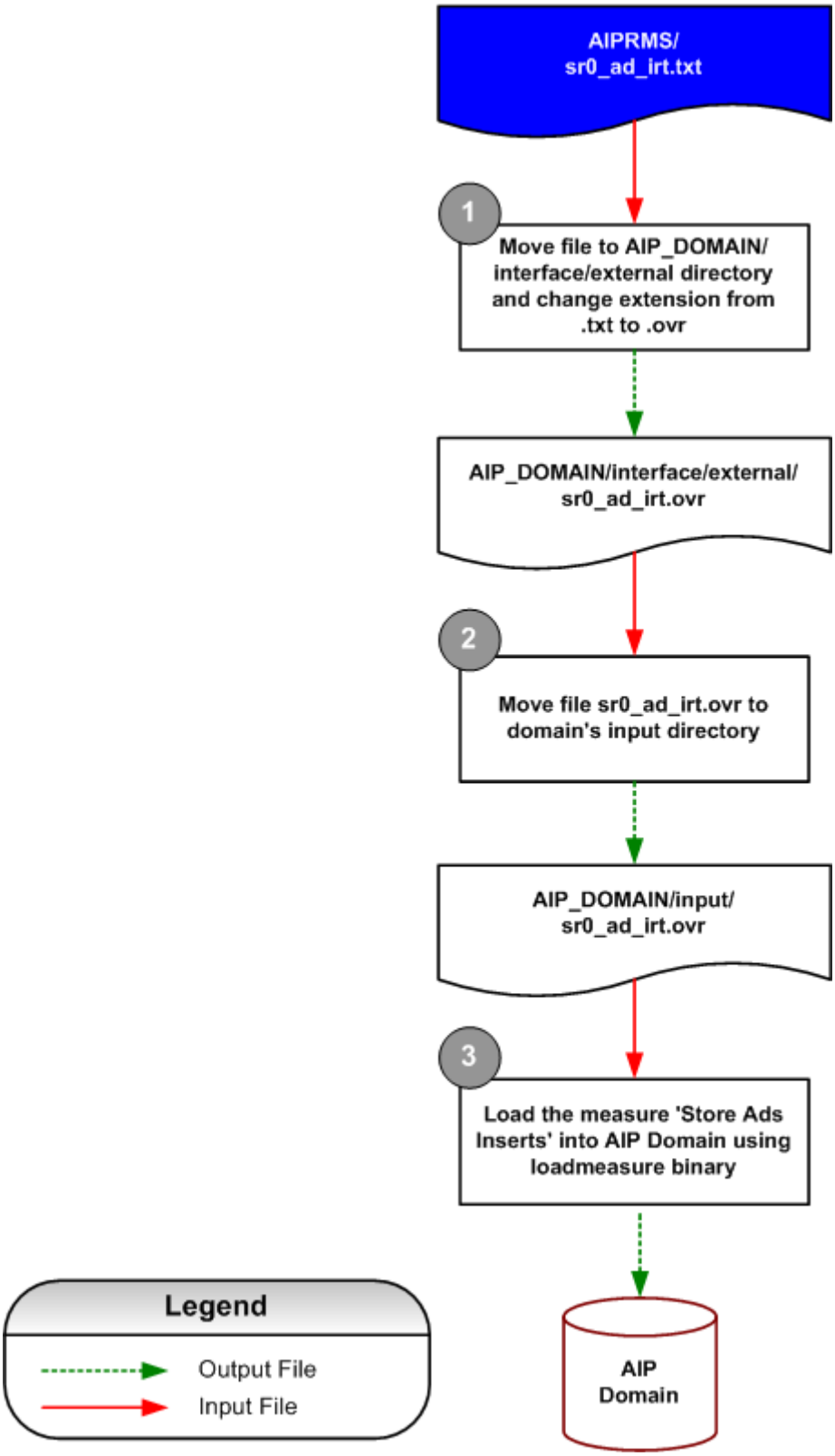
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of sr0_ad_irt.txt Extract File Format:

```
D20050801S348                100055017           1.000000
```

Store Ads Inserts – AIP Load Process



Store Ads Inserts AIP Load Process Diagram

sr0_ad_oth.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Ads Others	Contains Store, SKU, Ad and Store Ads Others value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ad_oth
Source Object Name	sr0_ad_oth.txt	Target Object Database	data/sr0_ad_oth
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Ads Others	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S348 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	Store Ads Others	Real	"1 " NaVal = 0

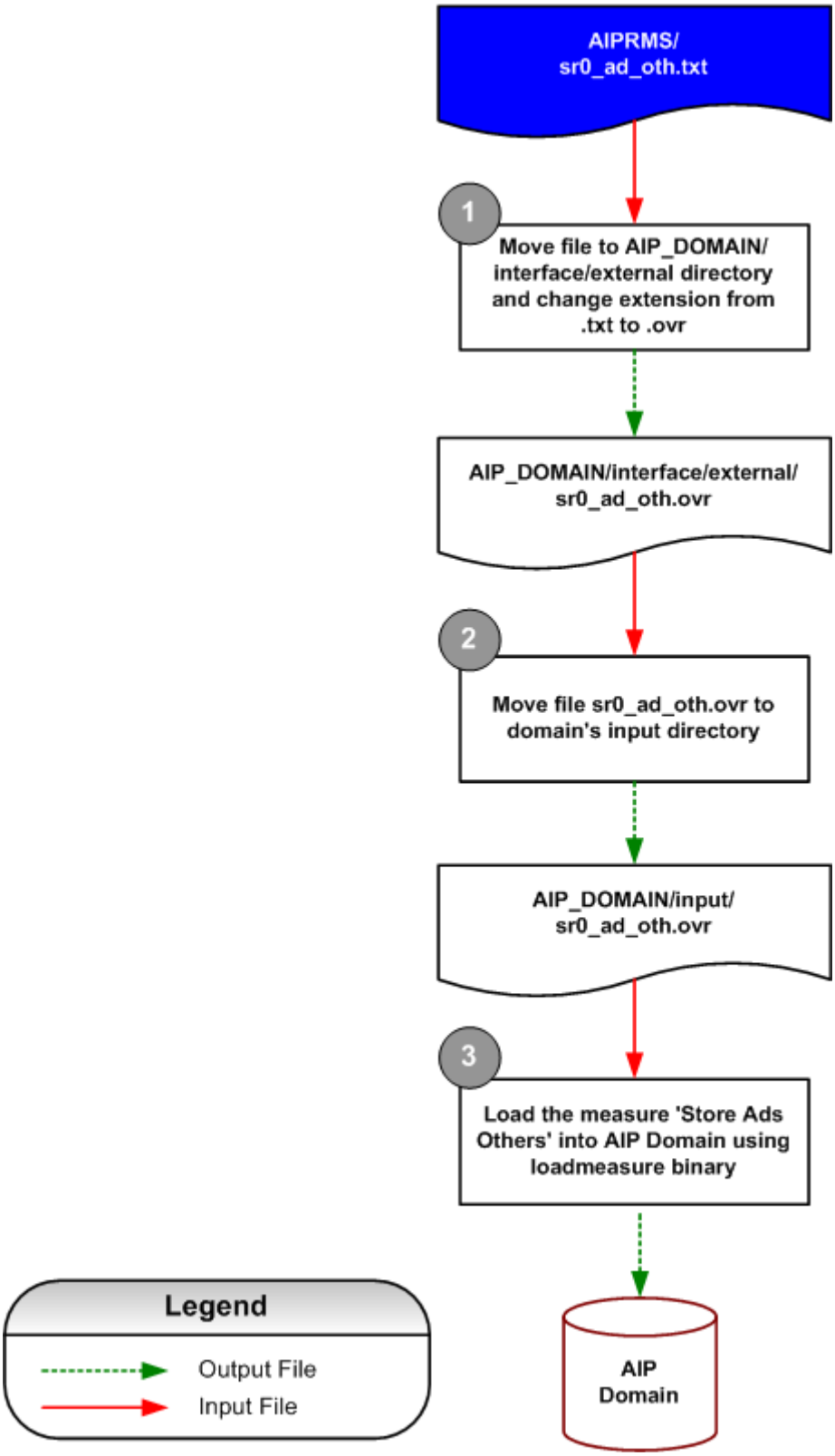
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_ad_oth.txt Extract File Format:

```
D20050801S348                100055017           1
```

Store Ads Others – AIP Load Process



Store Ads Others AIP Load Process Diagram

sr0_ad_rop.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Ads run on press	Contains Store, SKU, Ad and Store Ads run on press value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ad_rop
Source Object Name	sr0_ad_rop.txt	Target Object Database	data/sr0_ad_rop
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Ads run on press	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S348 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	Store Ads run on press	Real	"1.000000" NaVal = 0

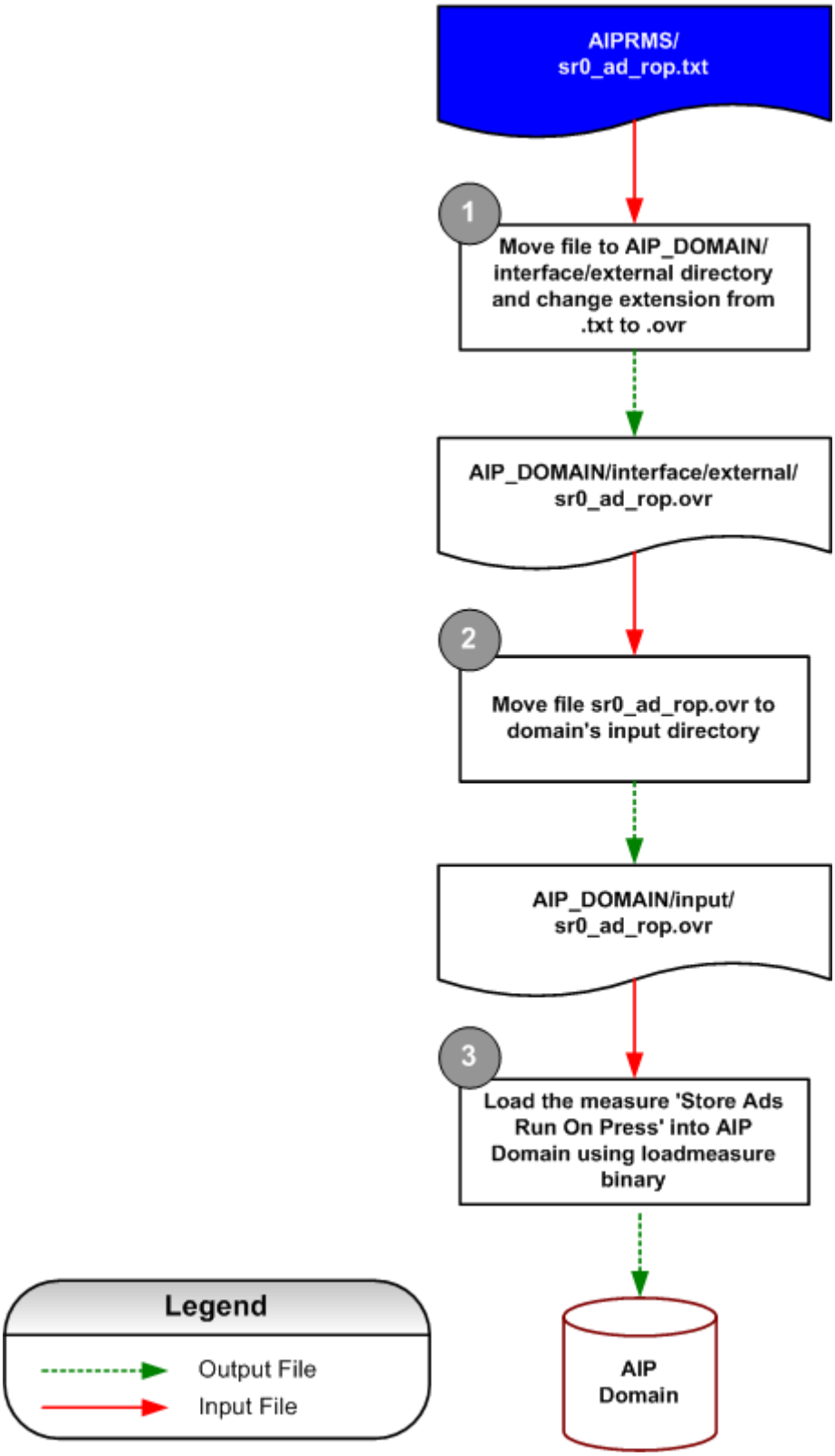
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_ad_rop.txt Extract File Format:

```
D20050801S348                100055017           1.000000
```

Store Ads Run On Press – AIP Load Process



Store Ads Run On Press AIP Load Process Diagram

sr0_adjsls.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Adjusted Sales	Contains Store, SKU, Ad and Store Adjusted sales value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_adjsls
Source Object Name	sr0_adjsls.txt	Target Object Database	data/sr0_adjsls
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Ads run on press	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S348 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	Store Ads run on press	Real	"5 " NaVal = 0

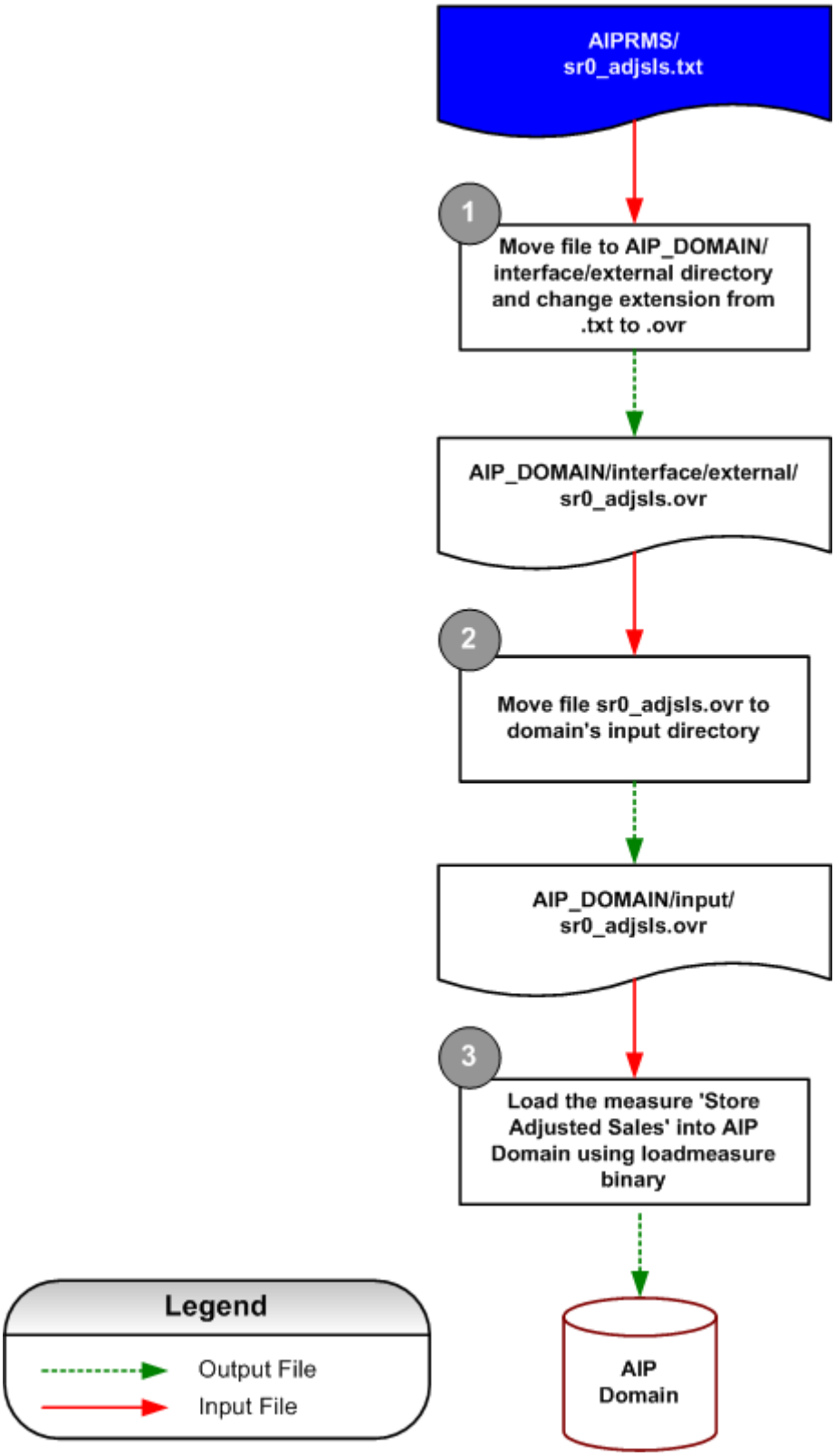
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_adjsls.txt Extract File Format:

```
D20050820S441105              100057004           5
```

Store Adjusted Sales – AIP Load Process



Store Adjusted Sales AIP Load Process Diagram

sr0_avgrosld_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Average Weekly Rate of Sale Loaded	Contains Store, SKU and Store average week rate of sale loaded

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_avgrosld_
Source Object Name	sr0_avgrosld_.txt	Target Object Database	data/sr0_avgrosld_
Required/Optional	Required	Target Object Load Intersection	SKU_STR_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Store Average Weekly Rate of Sale Loaded	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format	
1	Store	STR Dimension	String	"S441090	"
2	SKU	SKU Dimension	int	"100076002	"
3	Value	Store Average Weekly Rate of Sale Loaded	Real	"200.0000" NaVal = 0	

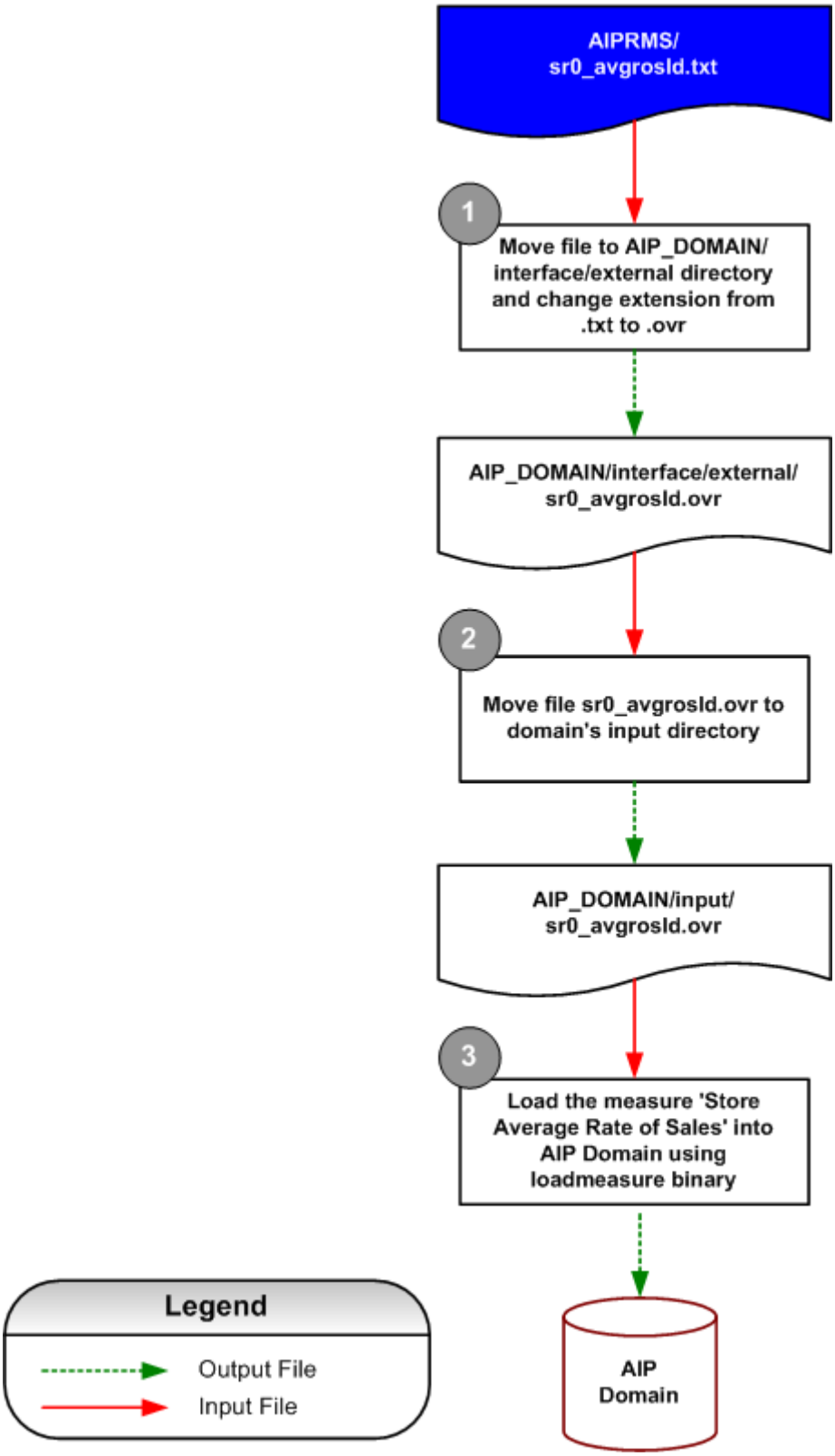
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_avgrosld_.txt Extract File Format:

```
S441090             100076002           200.0000
```

Store Average Rate of Sales – AIP Load Process



Store Average Rate of Sales AIP Load Process Diagram

sr0_co_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Customer Orders	Contains Store, SKU, Ad and Store Customer Orders quantity

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_co_
Source Object Name	sr0_co_.txt	Target Object Database	data/sr0_co_
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Customer Orders	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050820"
2	Store	STR Dimension	String	"S441105 "
3	SKU	SKU Dimension	int	"100057004 "
4	Value	Store Customer Orders	Real	"1 " NaVal = 0

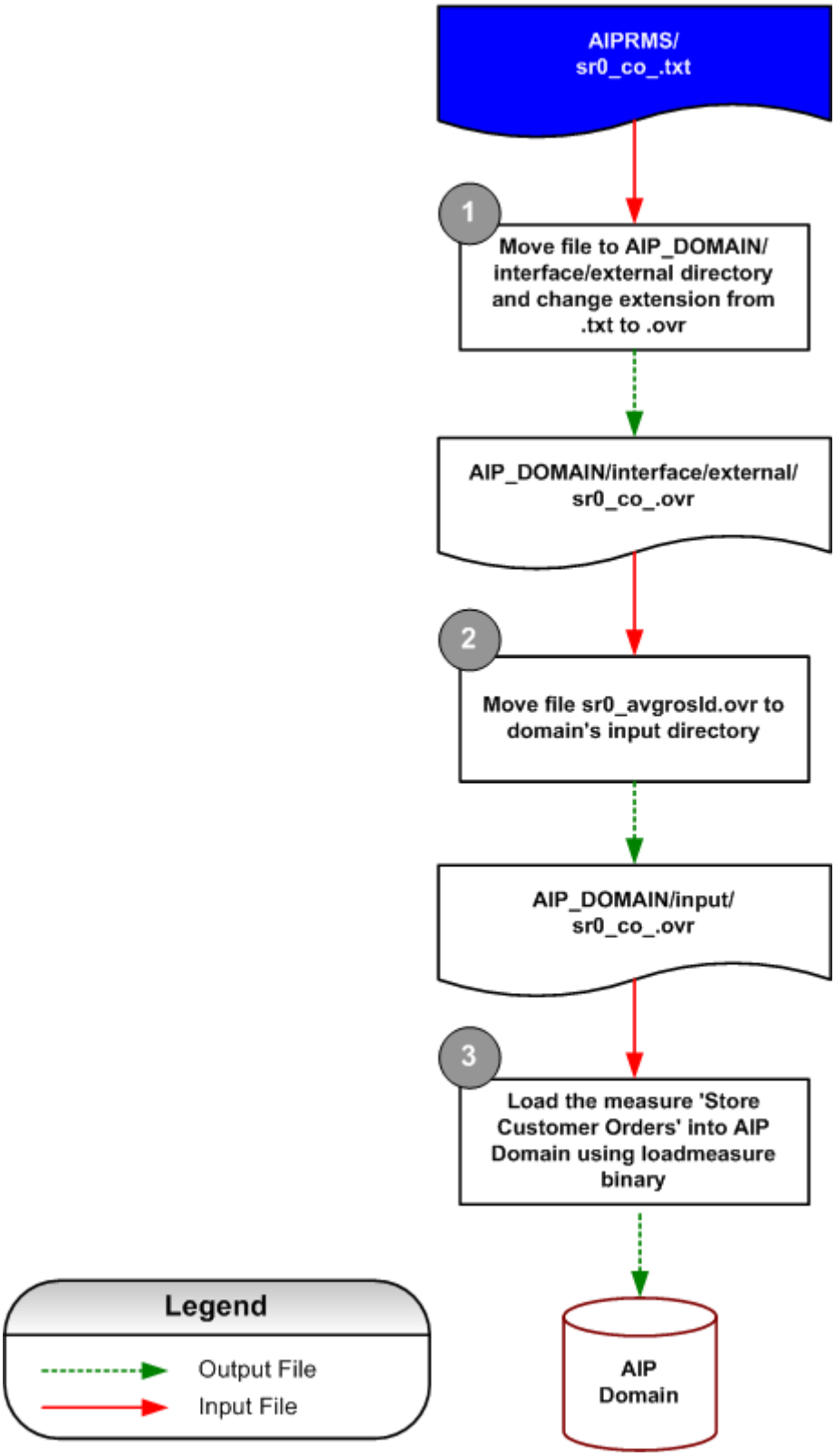
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_co_.txt Extract File Format:

```
D20050820S441105              100057004           1
```

Store Customer Orders – AIP Load Process



Store Customer Orders AIP Load Process Diagram

sr0_expwrtoff.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Expected Write-Off	Contains Day, Store, SKU and Store Expected Write-Off value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_expwrtoff
Source Object Name	sr0_expwrtoff.txt	Target Object Database	data/sr0_expwrtoff
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Expected Write-Off	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S303 "
3	SKU	SKU Dimension	int	"100055009 "
4	Value	Store Expected Write-Off	Real	"5 " NaVal = -1

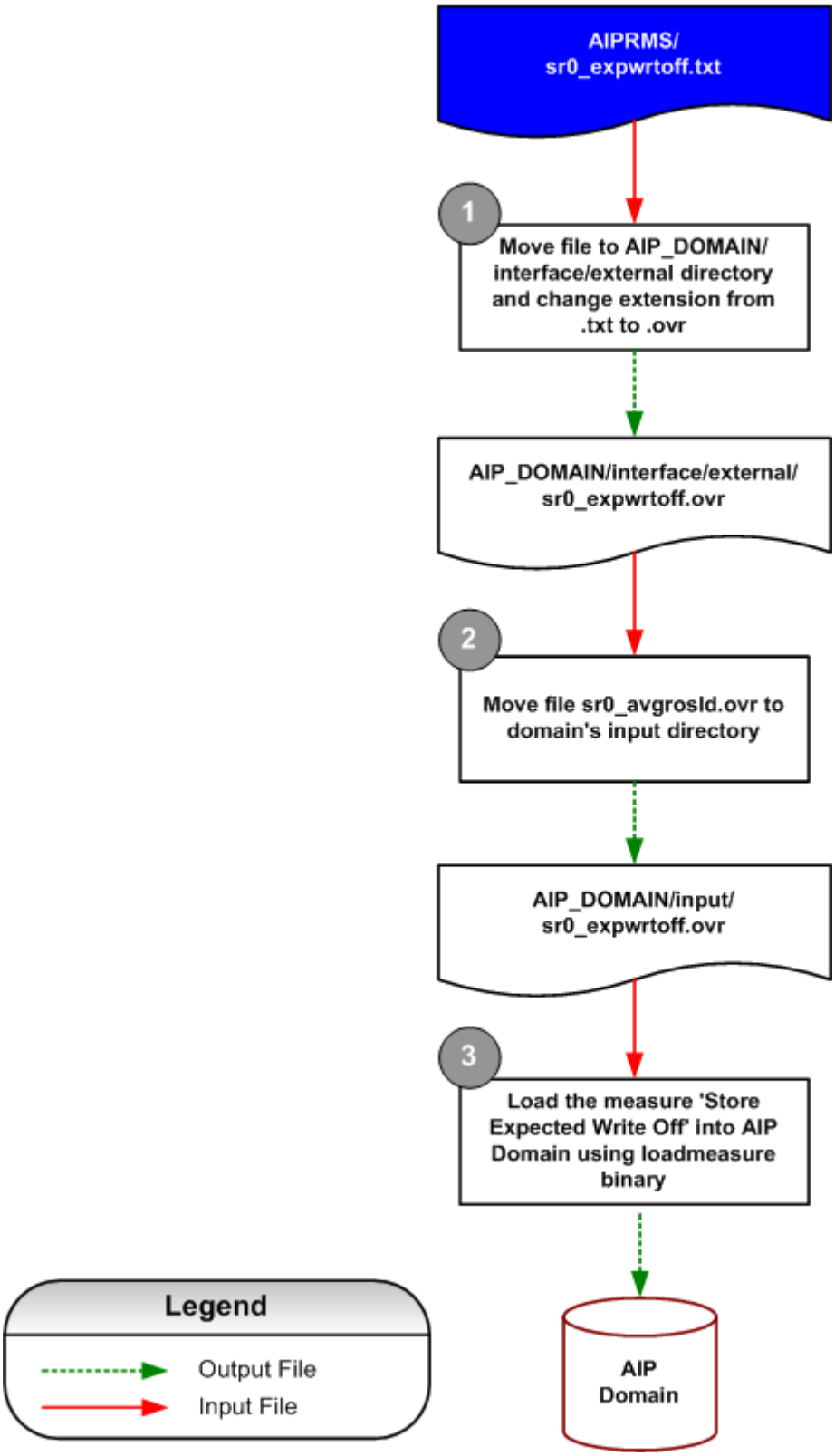
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_expwrtoff.txt Extract File Format:

```
D20050801S303                100055009           5
```

Store Expected Write-Off – AIP Load Process



Store Expected Write-Off AIP Load Process Diagram

sr0_hstls_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Historical Lost Sales	Contains Day, Store, SKU and Store historical lost sales value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_hstls_
Source Object Name	sr0_hstls_.txt	Target Object Database	data/sr0_hstls_
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Historical Lost Sales	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S303 "
3	SKU	SKU Dimension	int	"100055009 "
4	Value	Store Historical Lost Sales	Real	"1000.500" NaVal = 0

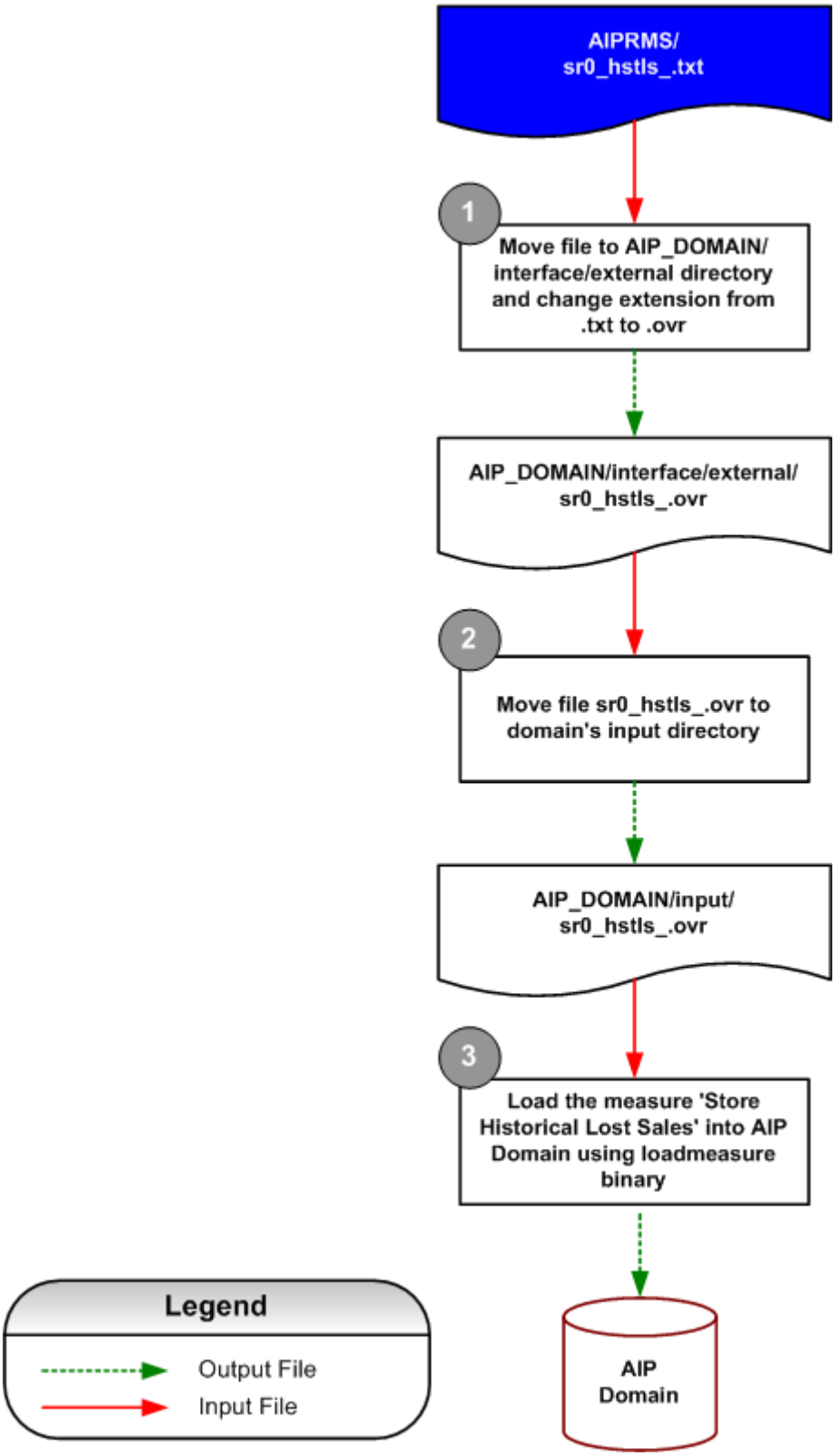
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_hstls_.txt Extract File Format:

```
D20050801S303                100055009           1000.500
```

Store Historical Lost Sales – AIP Load Process



Store Historical Lost Sales AIP Load Process Diagram

sr0_knowndemand.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Known Demand	Contains Day, Store, SKU and Store known demand value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_knowndemand
Source Object Name	sr0_knowndemand.txt	Target Object Database	data/sr0_knwondemand
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Known Demand	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S303 "
3	SKU	SKU Dimension	int	"100055009 "
4	Value	Store Known Demand	Real	"1000.500" NaVal = 0

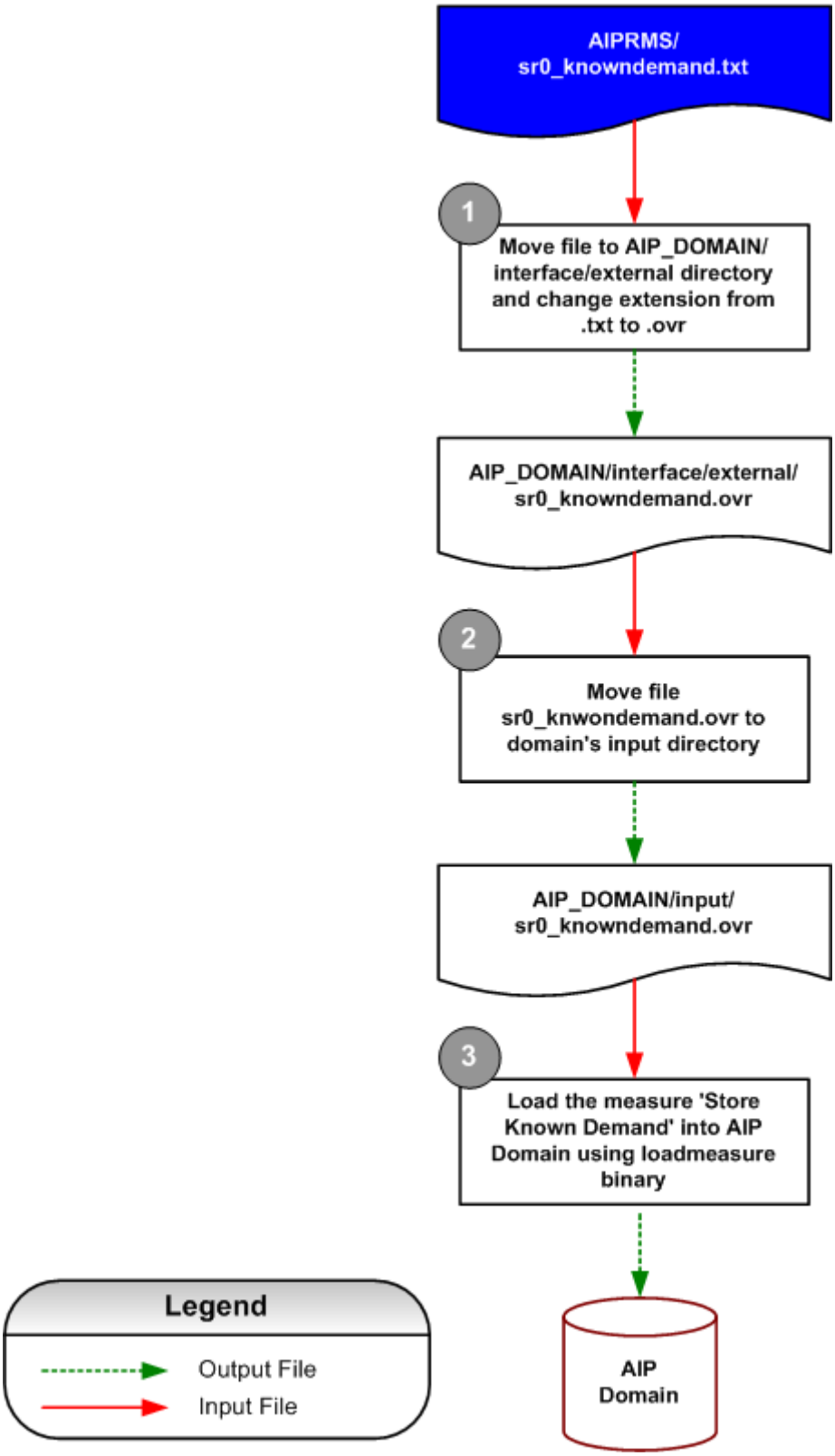
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_knowndemand.txt Extract File Format:

```
D20050801S303                100055009           1000.500
```

Store Known Demand – AIP Load Process



Store Known Demand AIP Load Process Diagram

sr0_prmitmind.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Promotional Item Indicator	Contains Day, Store, SKU and Store Promotional Item Indicator

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_prmitmind
Source Object Name	sr0_prmitmind.txt	Target Object Database	data/sr0_prmitmind
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Promotional Item Indicator	50	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050801"
2	Store	STR Dimension	String	"S303 "
3	SKU	SKU Dimension	int	"100055009 "
4	Value	Store Promotional Item Indicator	Boolean	"1" NaVal = false

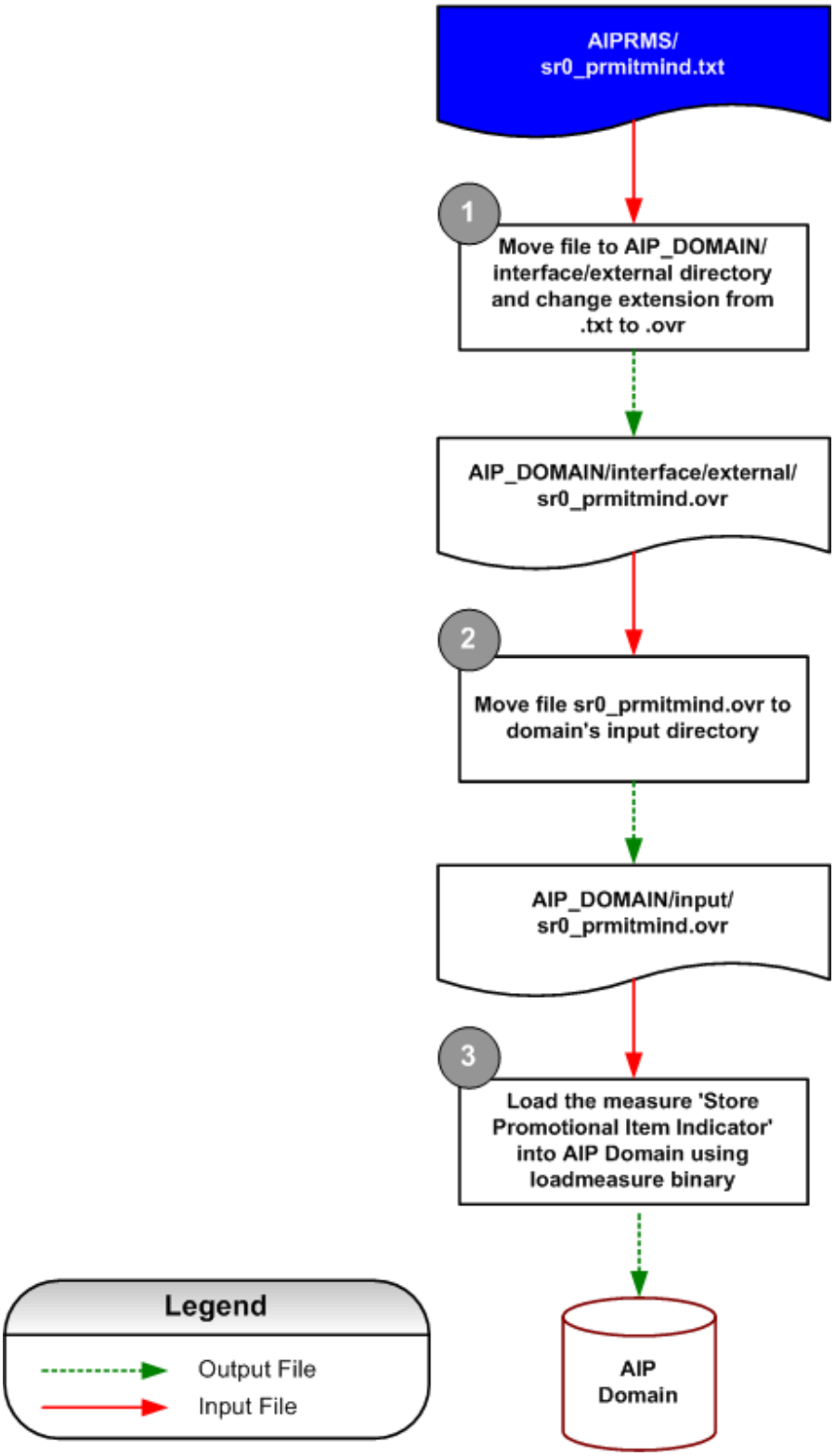
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_prmitmind.txt Extract File Format:

```
D20050101S348                100058007           1
```

Store Promotional Item Indicator – AIP Load Process



Store Promotional Item Indicator AIP Load Process Diagram

sr0_prmspasc__i.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Promotional Space Shelf Capacity	Contains Day, Store, SKU and Store Promotional Space Shelf Capacity

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_prmspasc__I
Source Object Name	sr0_prmspasc__i.txt	Target Object Database	data/sr0_prmspasc__I
Required/Optional	Required	Target Object Load Intersection	SKU_STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	SKU	SKU	30	20
4	VALUE	Store Promotional Space Shelf Capacity	50	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050621"
2	Store	STR Dimension	String	"S443 "
3	SKU	SKU Dimension	int	"100058007 "
4	Value	Store Promotional Space Shelf Capacity	Real	"5 " NaVal = -1

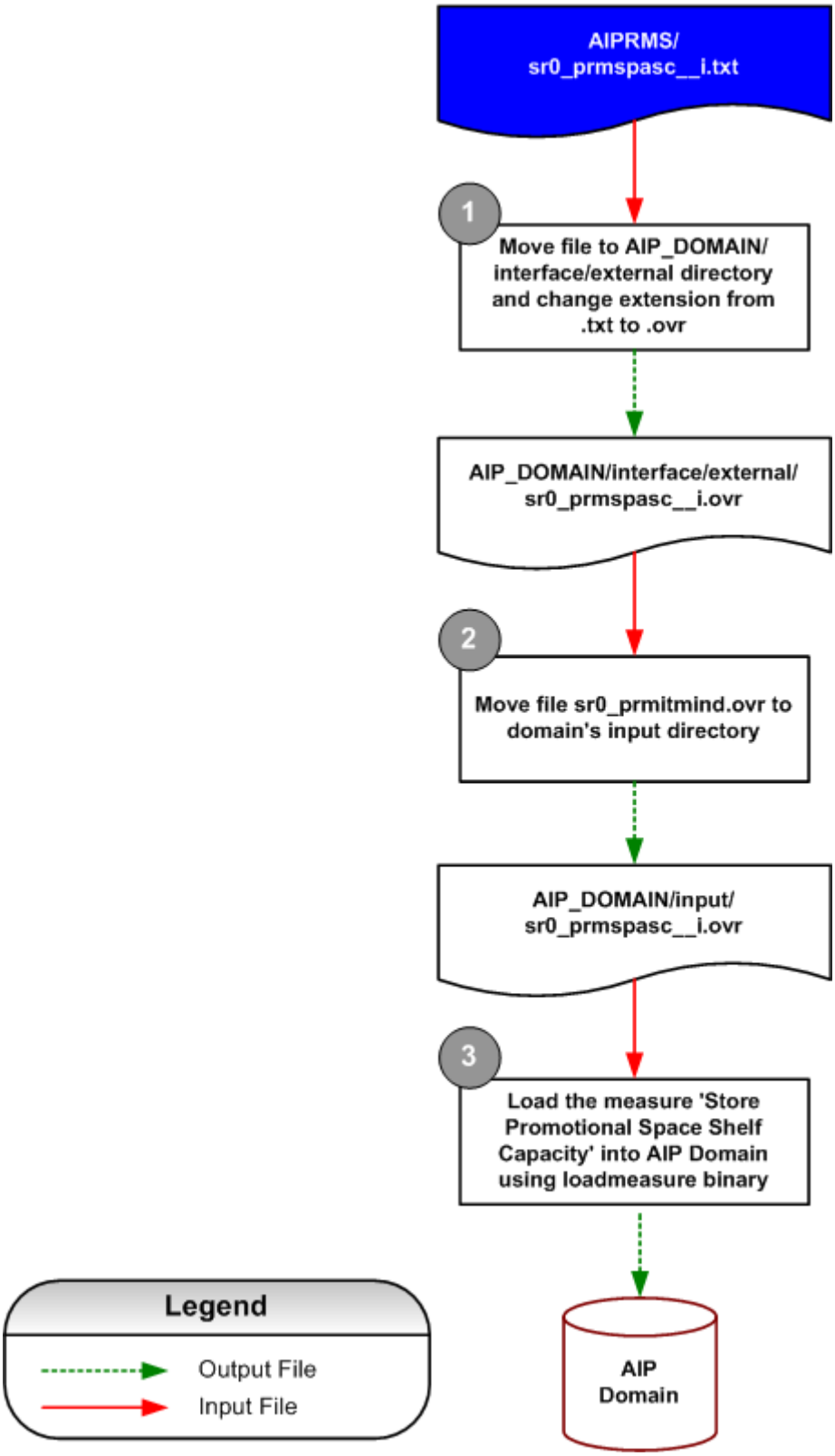
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of sr0_prmspasc__i.txt Extract File Format:

```
D20050620S443          100058007          5
D20050621S443          100058007          5
```

Store Promotional Space Shelf Capacity – AIP Load Process



Store Promotional Space Shelf Capacity AIP Load Process Diagram

sr0_rplcde.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Repl Type Code	Contains Store, SKU and replenishment type code

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_rplcde
Source Object Name	sr0_rplcde.txt	Target Object Database	data/sr0_rplcde
Required/Optional	Required	Target Object Load Intersection	sku_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STR	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Store Replenishment Type Code	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	STR Dimension	String	"S303 "
2	SKU	SKU Dimension	Int	"100048001 "
3	Value	Store Replenishment Type Code	String	"A " NaVal =0

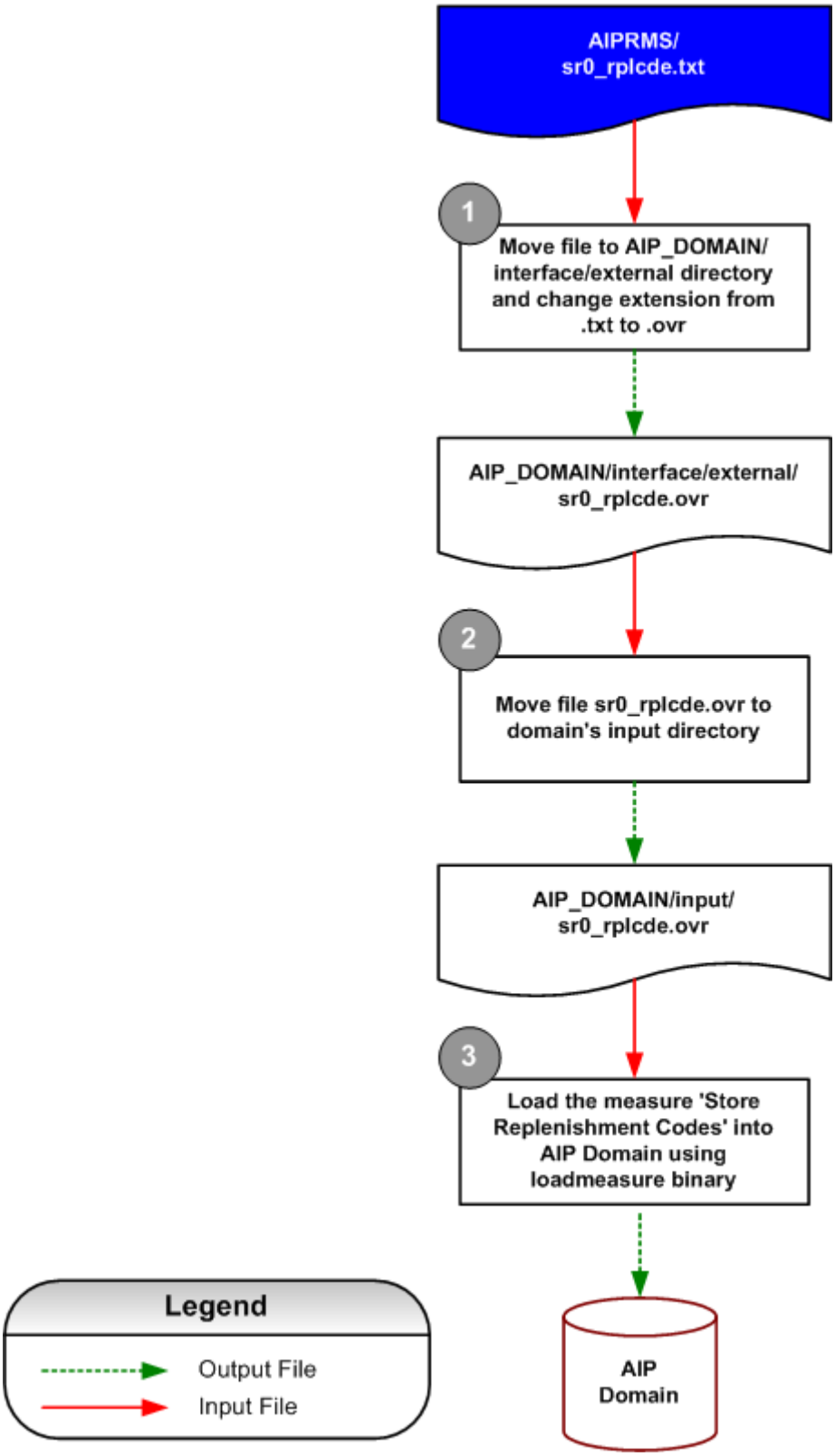
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_rplcde.txt Extract File Format:

```
S303                100046031           A
S348                100033002           M
```

Store Replenishment Codes – AIP Load Process



Store Replenishment Codes AIP Load Process Diagram

sr0_rplsubcde.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Replenishment Subtype Code	Contains Store, SKU and replenishment sub type code

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_rplsubcde
Source Object Name	sr0_rplsubcde.txt	Target Object Database	data/sr0_rplsubcde
Required/Optional	Required	Target Object Load Intersection	sku_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STR	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Store Replenishment Subtype Code	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Store	STR Dimension	String	"S303 "
2	SKU	SKU Dimension	Int	"100048001 "
3	Value	Store Replenishment Subcode	String	"A " NaVal =0

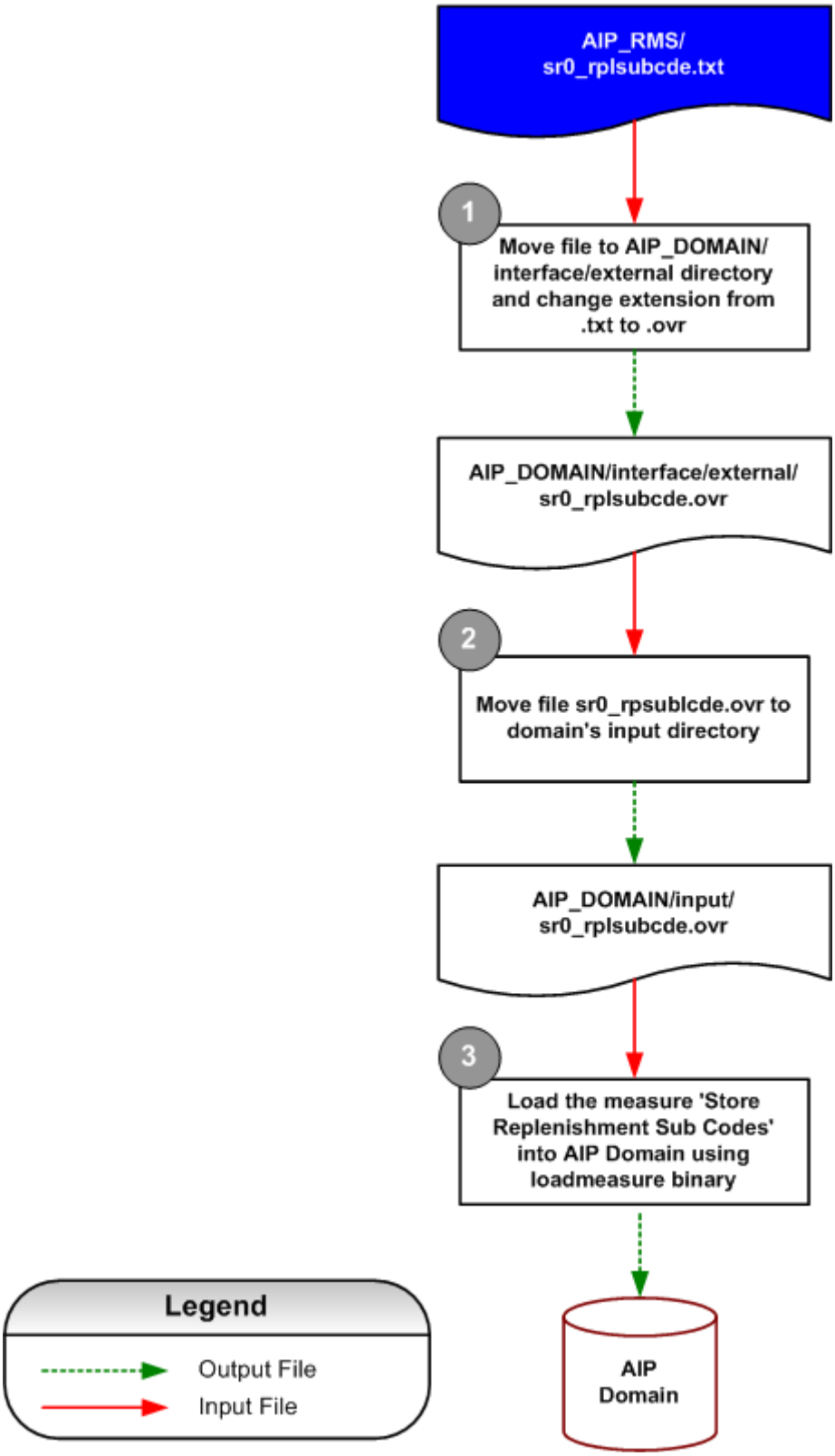
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_rplsubcde.txt Extract File Format:

```
S303                100046031           A
S348                100033002           J
```

Store Replenishment Sub Code – AIP Load Process



Store Replenishment Sub Code AIP Load Process Diagram

sr0_ss_ld_.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Loaded Safety Stock	Contains Store, SKU and Loaded Safety Stock value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_ss_ld_
Source Object Name	sr0_ss_ld_.txt	Target Object Database	data/sr0_ss_ld_
Required/Optional	Required	Target Object Load Intersection	SKU_str_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	STORE	Store	1	20
2	SKU	SKU	21	20
3	VALUE	Store Loaded Safety Stock Value	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store	STR Dimension	String	"S441090 "
2	SKU	SKU Dimension	Int	"100048001 "
3	Value	Store Loaded Safety Stock Value	Real	"155.0000" NaVal =0

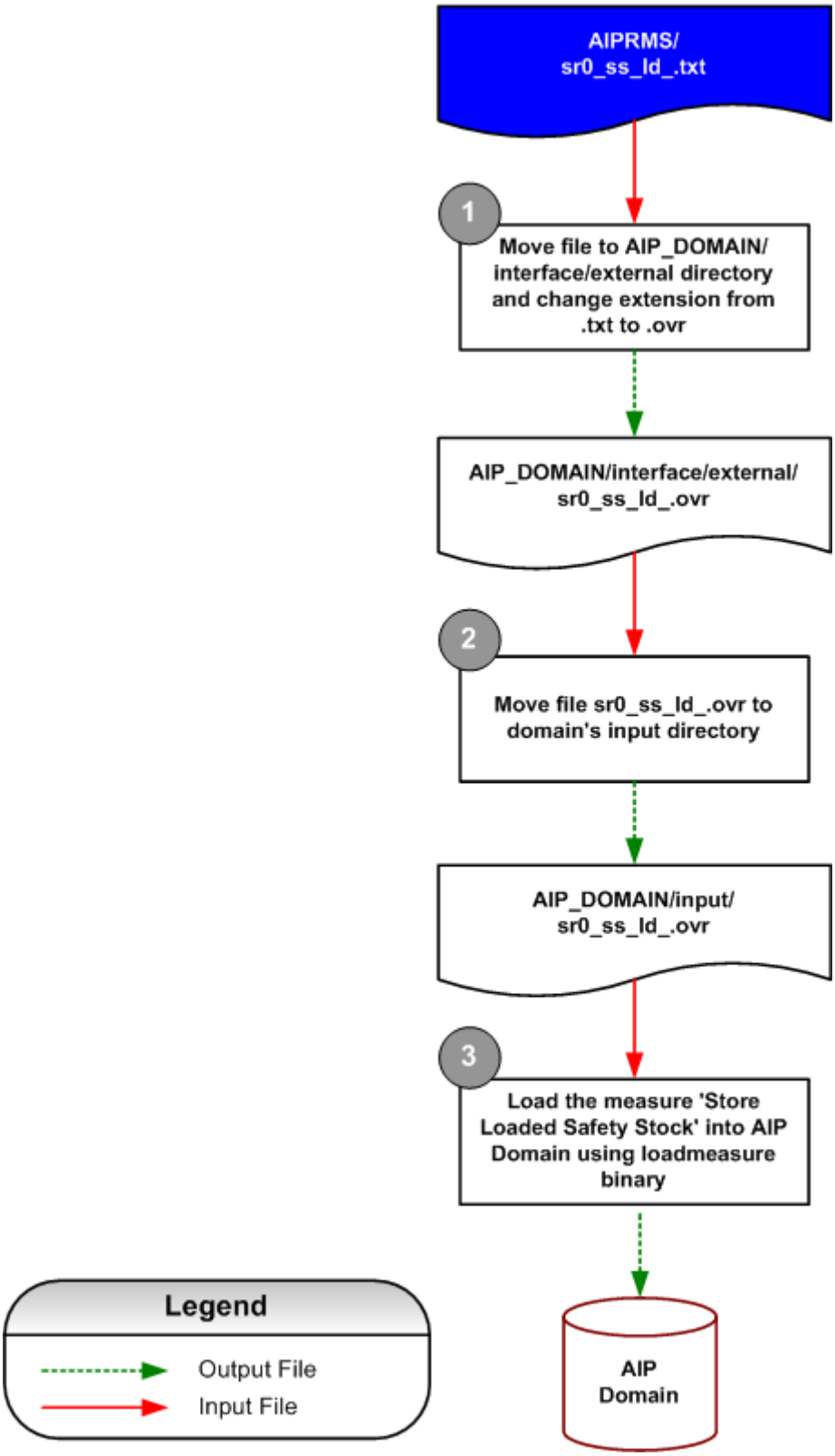
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_ss_ld_.txt Extract File Format:

```
S441090             100048001           155.0000
S348                100049004           155.0000
```

Store Loaded Safety Stock – AIP Load Process



Store Loaded Safety Stock AIP Load Process Diagram

sr0_tdgday.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Trading Days	Contains Day, Store and Store Trading days flag

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	sr0_tdgday
Source Object Name	sr0_tdgday.txt	Target Object Database	data/ssldat
Required/Optional	Required	Target Object Load Intersection	STR_day_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DAY	Day	1	9
2	STORE	Store	10	20
3	VALUE	Store Trading Days	30	1

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Day	DAY Dimension	String	"D20050620"
2	Store	STR Dimension	String	"S303 "
3	Value	Store Trading Days	Boolean	"1" NaVal = true

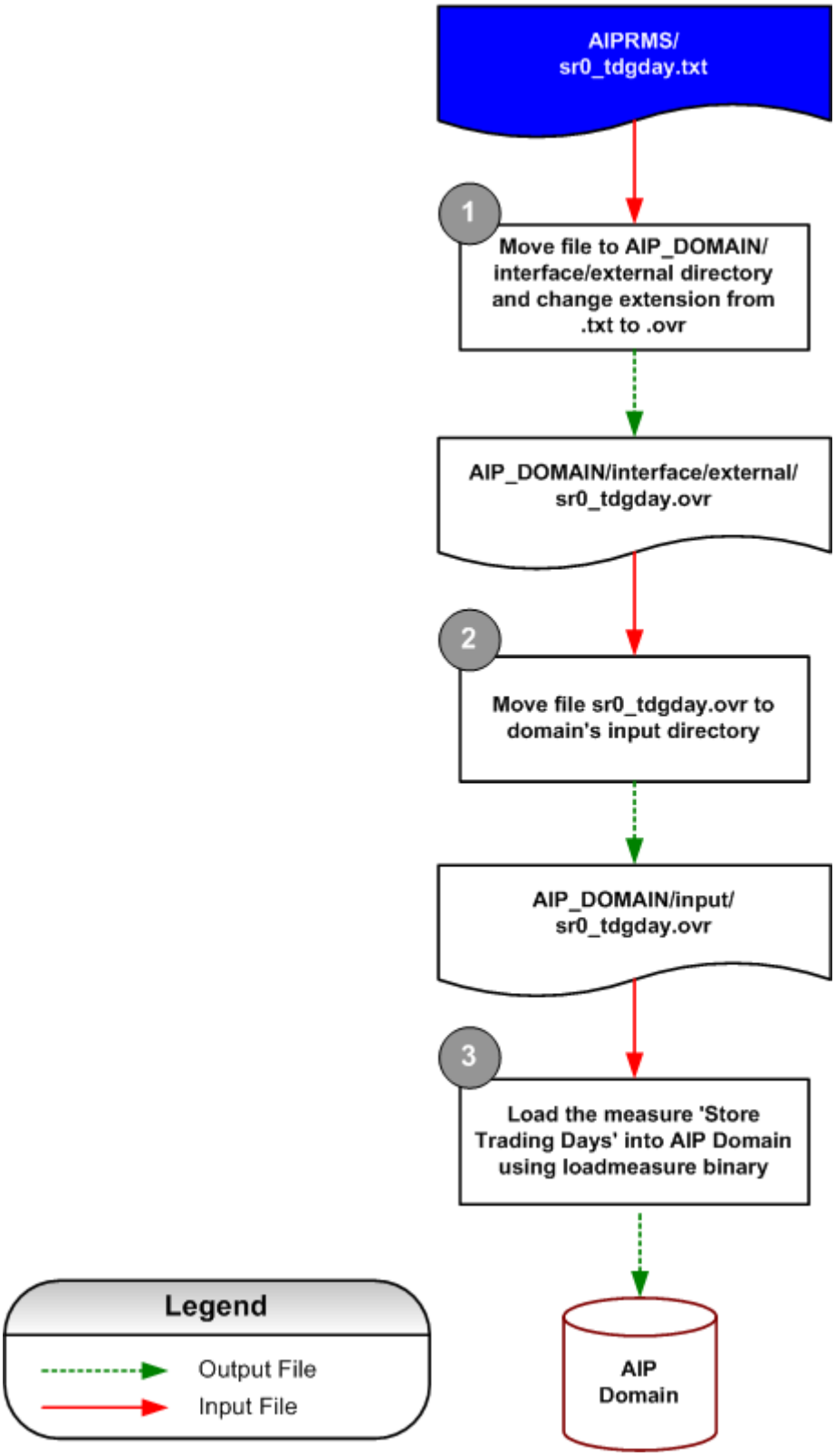
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of sr0_tdgday.txt Extract File Format:

```
D20050620S303                1
D20050621S303                1
```

Store Trading Days – AIP Load Process



Store Trading Days AIP Load Process Diagram

IpOdCmtI.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	SKU Order Commit	Contains Week, Company, SKU and Order Commit value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	IpOdCmtl
Source Object Name	IpOdCmtI.txt	Target Object Database	data/Odcmt
Required/Optional	Required	Target Object Load Intersection	weeksku_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week	1	8
2	SKU	SKU	9	20
3	VALUE	SKU Order Commit	29	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Week	WEEK Dimension	String	"W25_2005"
2	SKU	SKU Dimension	int	"100055017 "
3	Value	SKU Order Commit	Real	"1200.000" NaVal = 0

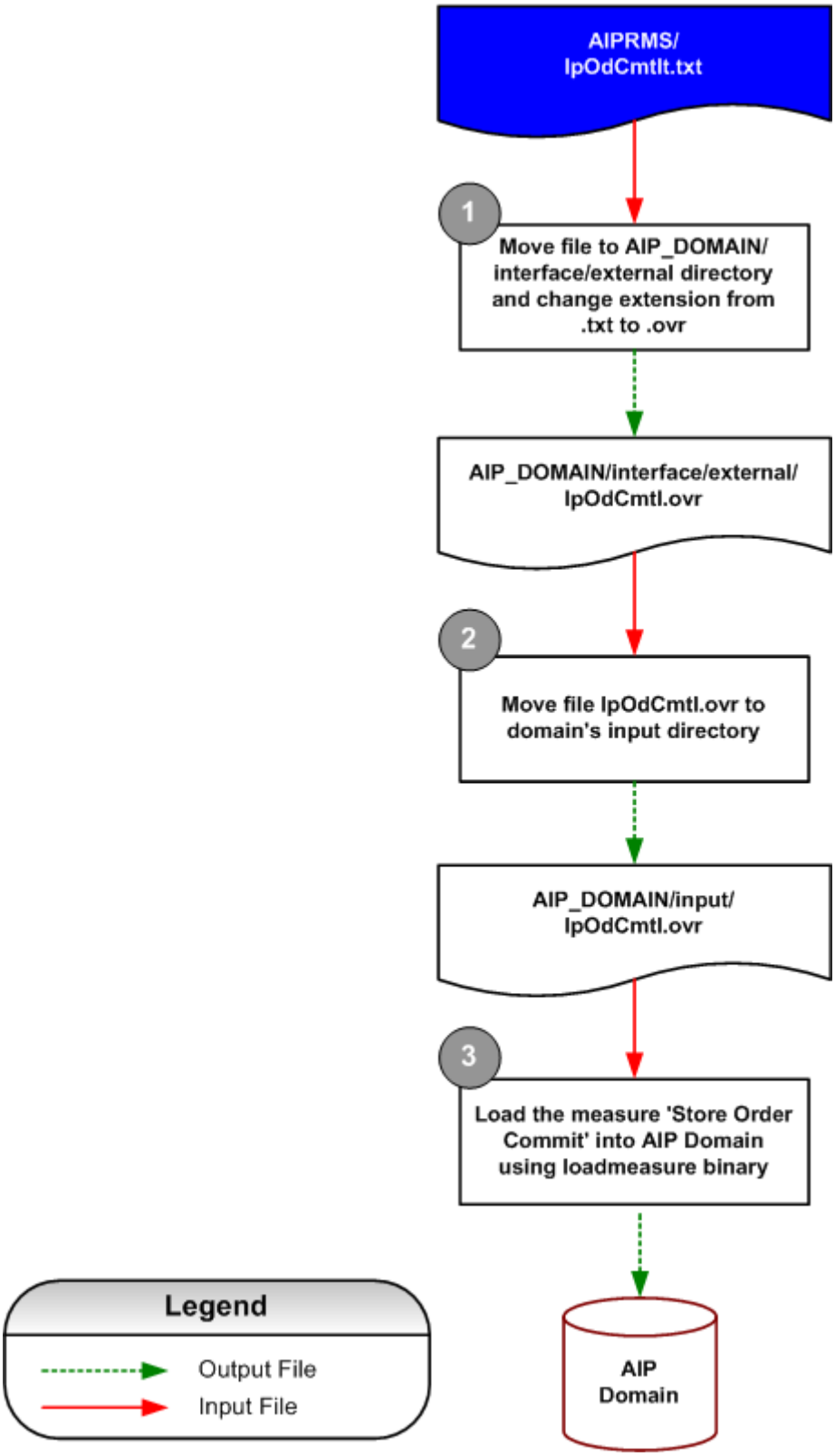
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of IpOdcmtI.txt Extract File Format:

```
W25_20051                100055017          1200.000
W26_20051                100055017          1200.000
```

Store Order Commit – AIP Load Process



Store Order Commit AIP Load Process Diagram

srx_prdrpr.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	SKU Retail Price	Contains Week, Company, SKU and Retail Price Value

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	srx_prdrpr
Source Object Name	srx_prdrpr.txt	Target Object Database	data/srx_prdrpr
Required/Optional	Required	Target Object Load Intersection	sku_cmpnweek

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week	1	8
2	COMPANY	Company	9	20
3	SKU	SKU	29	20
4	VALUE	SKU Retail Price	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Week	WEEK Dimension	String	"W32_2005"
2	Company	CMPN Dimension	String	"1 "
3	SKU	SKU Dimension	int	"100048001 "
4	Value	SKU Retail Price	Real	"6.460000" NaVal = 0

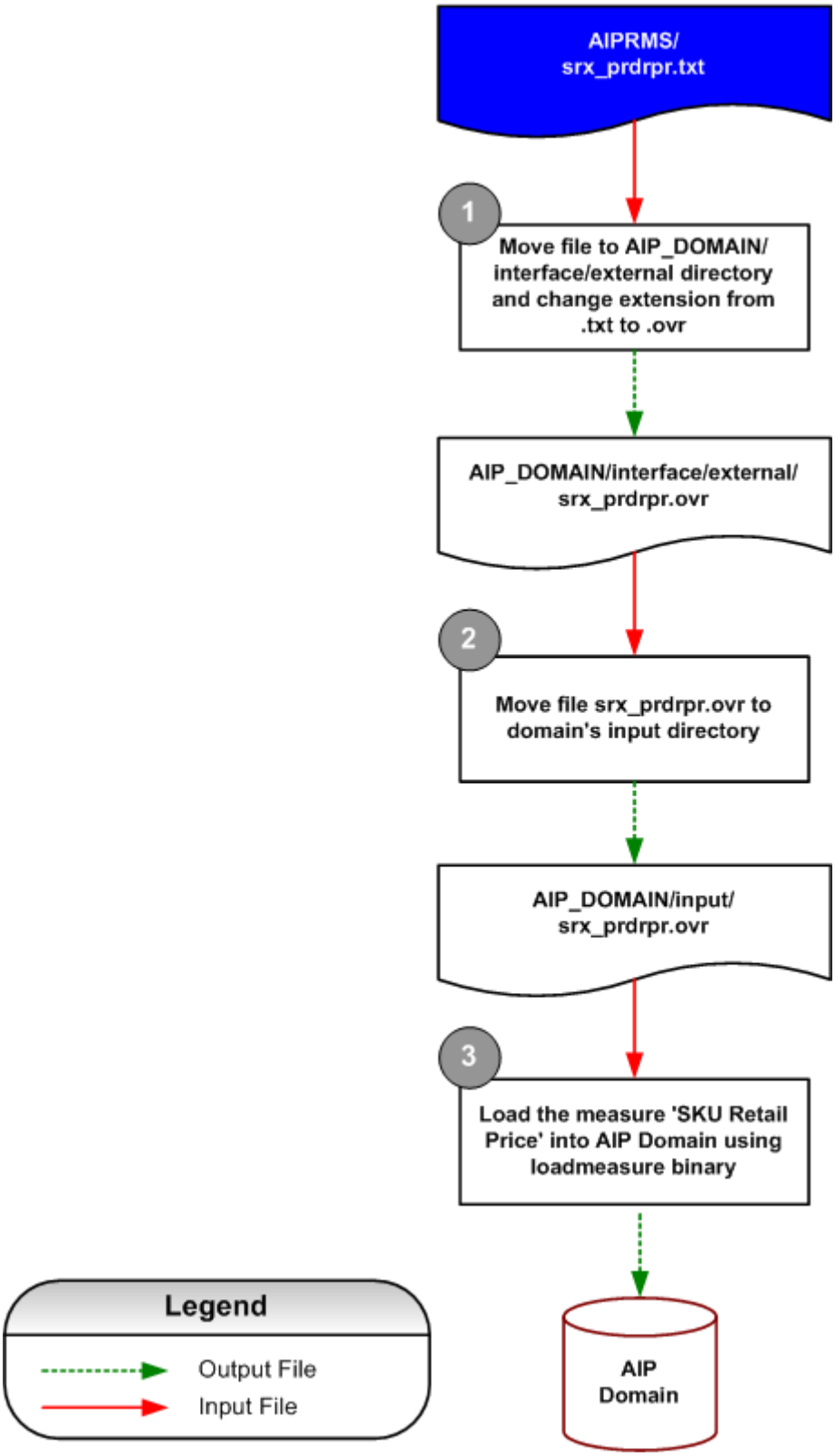
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of srx_prdrpr.txt Extract File Format:

```
W32_20051                100048001          6.460000
W32_20051                100048001          6.460000
```

SKU Retail Price – AIP Load Process



SKU Retail Price AIP Load Process Diagram

srx_rltnte.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	SKU Ad/Rollout Notes	Contains Week, Company, SKU and SKU Ad/Rollout Notes

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	srx_rltnte
Source Object Name	srx_rltnte.txt	Target Object Database	data/srx_rltnte
Required/Optional	Required	Target Object Load Intersection	sku_cmpnweek

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	WEEK	Week	1	8
2	COMPANY	Company	9	20
3	SKU	SKU	29	20
4	VALUE	SKU Ad/Rollout Notes	49	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Data Type	Condition/Format
1	Week	WEEK Dimension	String	"W25_2005"
2	Company	CMPN Dimension	String	"1 "
3	SKU	SKU Dimension	int	"100055017 "
4	Value	SKU Ad/Rollout Notes	Real	"This is a test " NaVal = "

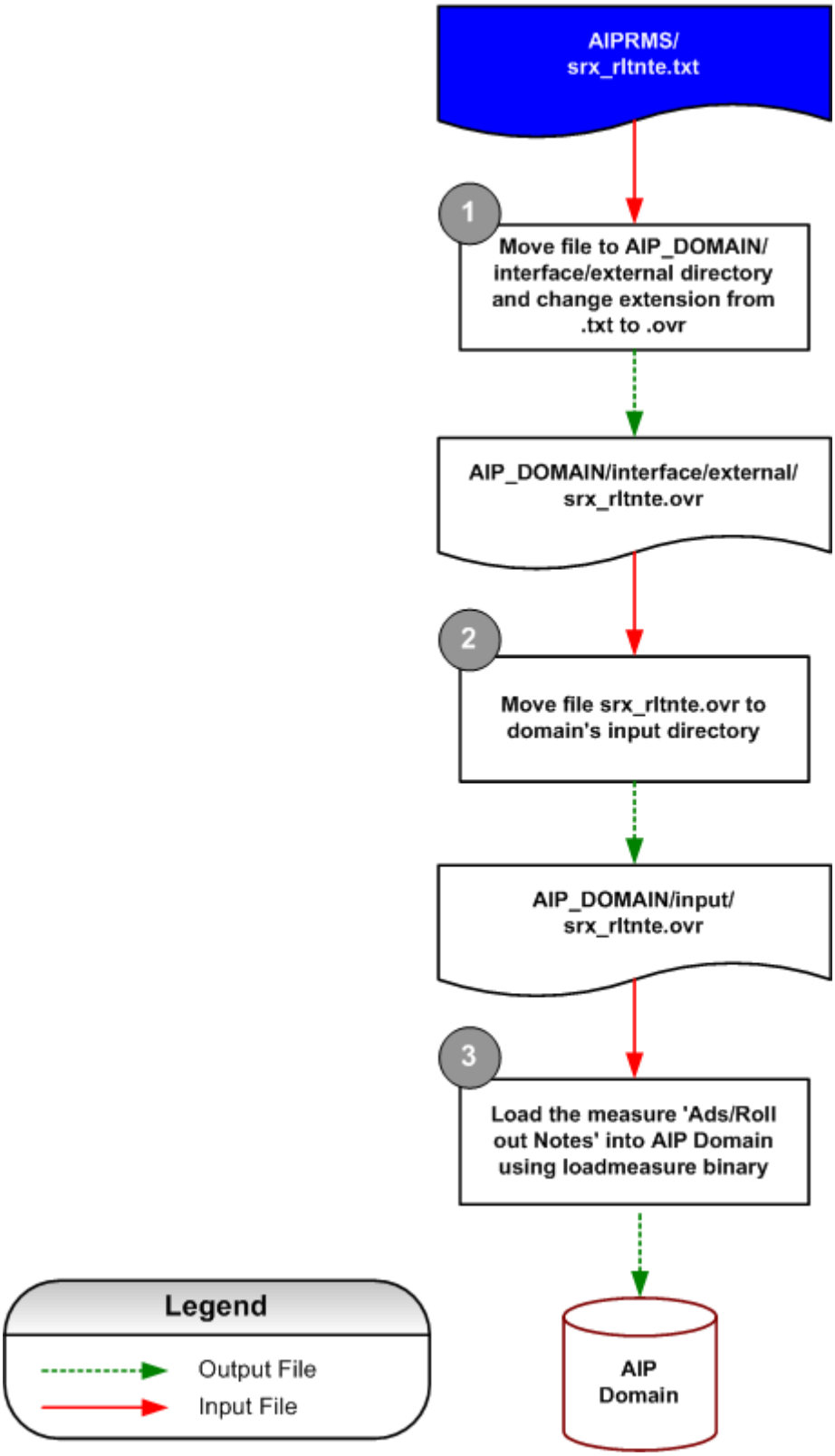
Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of srx_rltnte.txt Extract File Format:

```
W25_20051                 100055017          This is a test
W26_20051                 100055017          This is a test
```

Ads/Rollout Notes – AIP Load Process



Ads/Rollout Notes AIP Load Process Diagram

srx_poidst.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	SRP Poisson Distribution Lookup	Loaded Poisson distribution table

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	srx_poidst
Source Object Name	srx_poidst.txt	Target Object Database	data/srx_poidst
Required/Optional	Optional	Target Object Load Intersection	seq_int_

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	SEQ	Sequence Number	1	20
2	INT	Interval	21	20
3	Value	SRP Poisson Distribution Lookup	41	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	SEQ	Sequence Number	String	"0016 "
2	INT	Interval	String	"121000 "
3	Value	SRP Poisson Distribution Lookup	Real	"33.3 " NaVal = 0

Formatting Conditions

Example of srx_poidst.txt Extract File Format:

0016 121000 33.3

store_format_pack_size.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Format Pack Size	Contains Store Format, AIP SKU, pack size, Warehouse, start date & end date.

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	Store Format Pack Size
Source Object Name	store_format_pack_size.txt	Target Object Database	online DB
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Store Format Code	Store Format	1	20
2	Commodity Code	AIP SKU	21	20
3	Pack Size	Pack Size	41	4
4	Stocking Point Number	Warehouse	45	20
5	Start Date	Start Date	65	8
6	End Date	End Date	73	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store Format	Store Format	String	"1 "
2	Commodity Code	AIP SKU	String	"100052001 "
3	Pack Size	Pack Size	int	"36 "
4	Stocking Point Number	Warehouse	String	"W3066 "
5	Start Date	Start Date	String	"20050101"
6	End Date	End Date	String	"20051201"

Filtering Conditions

The SKU-pack size should have an AIP ranging status of 'Profile Ranged', 'Exception Ranged', or 'Pending De-ranged' at the warehouse before it is loaded into AIP as the store ordering pack size.

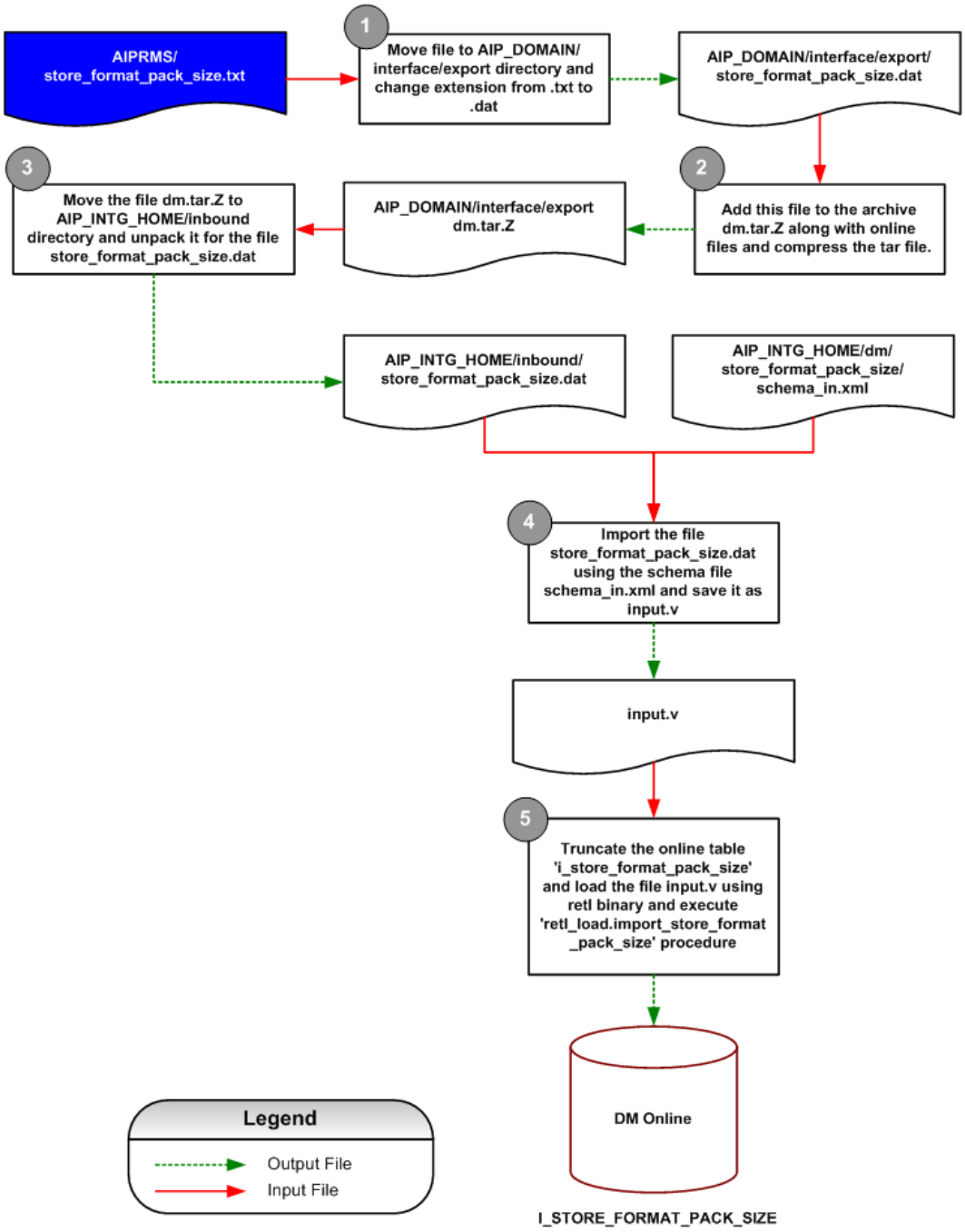
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of store_format_pack_size.txt Extract File Format:

```
1                100052001          36  W3066              2005010120051201
```

Store Format Packsize – Online Load Process



Store Format Packsize Online Load Process Diagram

store_pack_size.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Store Pack Size	Contains Store, AIP SKU, pack size, Warehouse, start date & end date

Extracting Program Details

Program Type	N/A
Program Name:	N/A
Schema File:	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Online Data point
Source Object Type	Fixed Length Text File	Target Object Name	Store Pack Size
Source Object Name	store_pack_size.txt	Target Object Database	online DB
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	Store Code	Store	1	20
2	Commodity Code	AIP SKU	21	20
3	Pack Size	Pack Size	41	4
4	Stocking Point Number	Warehouse	45	20
5	Start Date	Start Date	65	8
6	End Date	End Date	73	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	Store Code	Store	String	"S303 "
2	Commodity Code	AIP SKU	String	"100052001 "
3	Pack Size	Pack Size	int	"36 "
4	Stocking Point Number	Warehouse	String	"W3066 "
5	Start Date	Start Date	String	"20050101"
6	End Date	End Date	String	"20051201"

Filtering Conditions

The SKU-pack size should have an AIP ranging status of 'Profile Ranged', 'Exception Ranged', or 'Pending De-ranged' at the warehouse before it is loaded into AIP as the store ordering pack size.

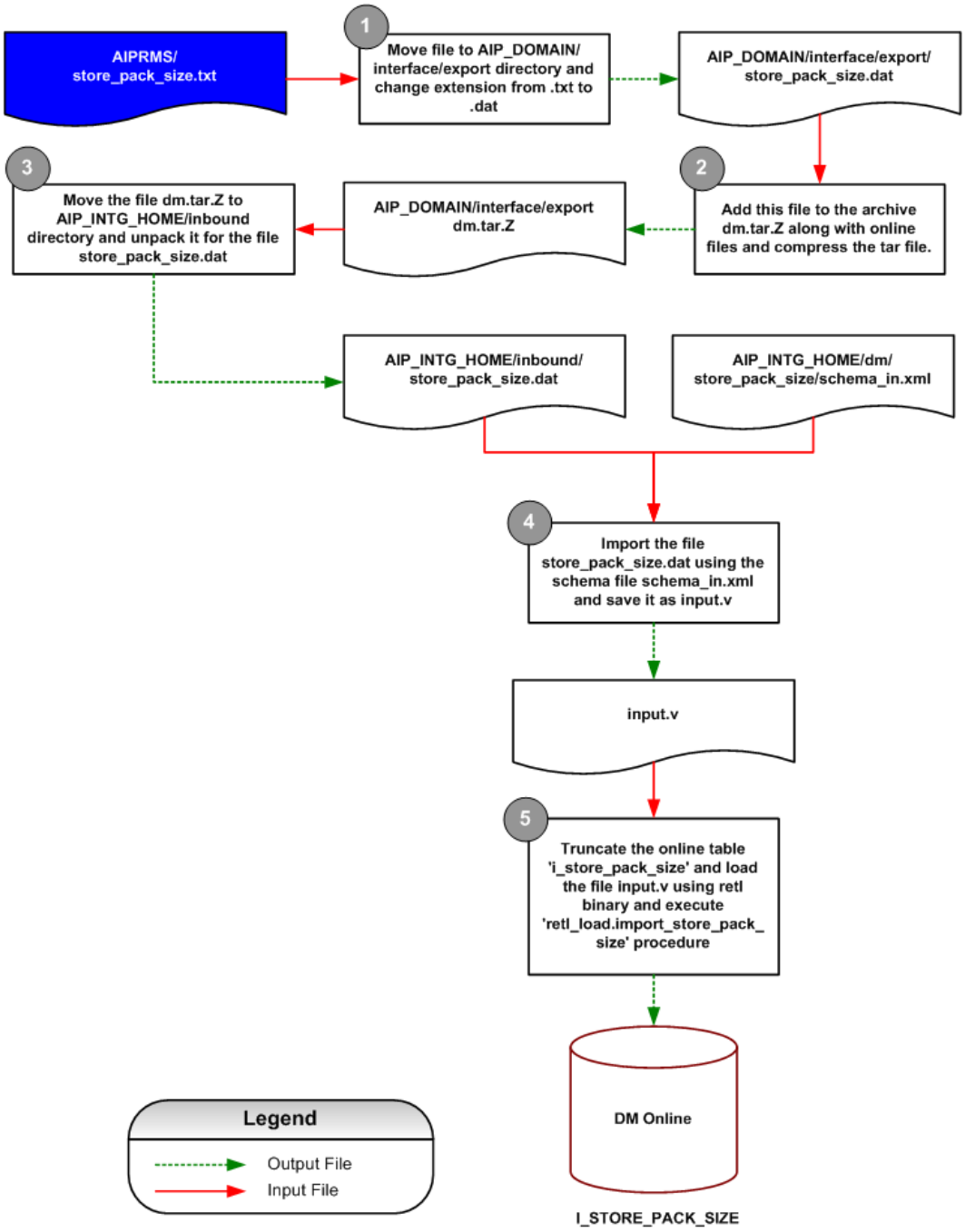
Formatting Conditions

All Supplier values should be prefixed with a "V" (case sensitive), all Warehouses should be prefixed with a "W" (case sensitive) and all Stores should be prefixed with an "S" (case sensitive).

Example of store_pack_size.txt Extract File Format:

```
S303            100052001          1   W3066            2005010120051201
```

Store Packsize – Online Load Process



Store Packsize Online Load Process Diagram

ipwhhldcpci.txt

Data Element Details

Data Type	Data Element Name	Data Description
Measure	Stocking Point Holding Capacity	Simple Parameter

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	RPAS Measure
Source Object Type	Fixed Length Text File	Target Object Name	ipwhhldcpci
Source Object Name	ipwhhldcpci.txt	Target Object Database	data/whhldcpc
Required/Optional	Optional	Target Object Load Intersection	dstknwgp

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	DSTK	Destination Stocking Point	1	20
2	NWGP	Network Group	21	8
3	VALUE	Stocking Point Holding Capacity	29	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	DSTK	Destination Stocking Point	String	"DW4110 "
2	NWGP	Network Group Position	String	"001 "
3	Value	Stocking Point Holding Capacity	Integer	"1000 " NaVal = 0

Formatting Conditions

All Supplier values should be prefixed with a “V” (case sensitive), all Warehouses should be prefixed with a “W” (case sensitive) and all Stores should be prefixed with an “S” (case sensitive).

Example of ipwhhldcpci.txt Extract File Format:

```
DW4110              001     1000
```

rmse_order_purge.dat

Data Element Details

Data Type	Data Element Name	Data Description
N/A This data is not loaded into an RPAS measures. It is loaded into an Oracle table.	Purged Purchase Order Numbers	Contains AIP purchase order numbers that have been purged from the order execution system. The PO numbers can be assigned to new POs.

Extracting Program Details

Program Type	N/A
Program Name	N/A
Schema File	N/A
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	External Systems	Target Object Type	Oracle Table
Source Object Type	Fixed Length Text File	Target Object Name	available_PO_num
Source Object Name	rmse_order_purge.dat	Target Object Database	AIP Online schema
Required/Optional	Optional	Target Object Load Intersection	N/A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Field Width
1	ORDER_NUMBER	Available Purchase Order Number	1	8

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Condition/Format
1	ORDER_NO	Available Purchase Order Number	Number(8)	"123456 "

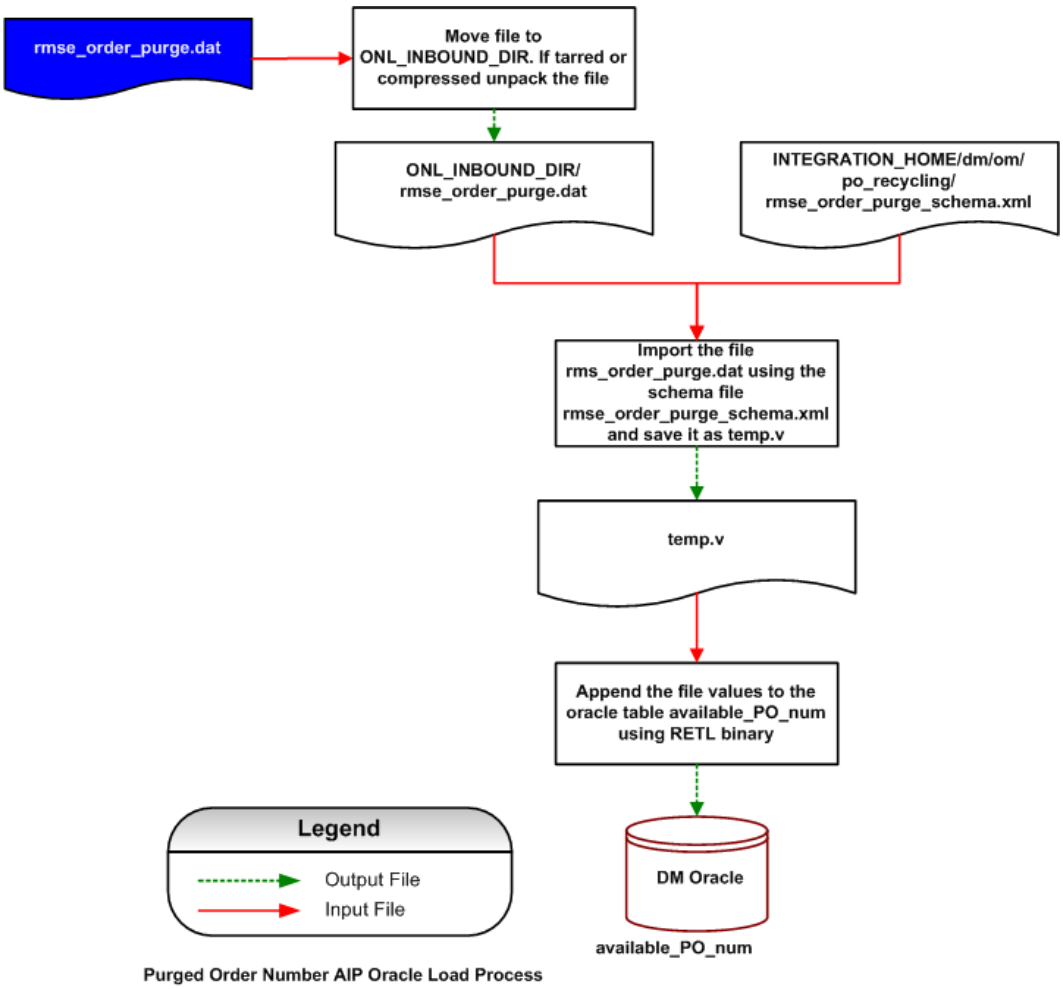
Formatting Conditions

None

Example of rmse_order_purge.dat Extract File Format:

123456

Available Purchase Order Number – Online Load Process



Available Purchase Order Number – Online Load Process Diagram

9

AIP to RMS Interfaces and Data Mapping

RIB Publications

The Oracle Retail Integration Bus (RIB) is a near real-time data synchronization solution used by AIP for publishing orders to RMS. Order publication begins with the order release batch adding the affected order to the appropriate message family queue staging table and marking each message with a sequence number. AIP publishes two sets of order messages to the RIB, Purchase Orders, and Transfers. RMS subscribes to the RIB messages and inserts the orders into the appropriate RMS Purchase Order and Transfer tables.

AIP Message Flow

A polling operation on the database triggers the message creation. The polling is performed by two threads:

- One for the PO_MFQUEUE staging table
- One for the TSF_MFQUEUE staging table

The polling is controlled by the configuration settings in the main.properties file.

- The order period count defines the number of time intervals that are to be used. An order period count of 0 indicates that no orders will be released. If the order period count is 0, no threads are started.
- The time interval defines the amount of time the threads sleep. A thread will not go to sleep until less than the maximum number of allowable messages is processed in a given call to the publisher (`OrderSenderBean`). Publishing less than the maximum allowable messages indicates that all orders on the staging table (at the time it was queried) have been processed. Any orders added to the staging table afterward will be processed the next time the thread wakes up and the publisher is invoked.
- For each order period count greater than zero, an order period start and order period end must be added to the properties file. When the thread wakes up and the current time falls between the start and end of any of the intervals (up to X intervals where X is the order period count), the thread will call the publication procedure. If desired, various time intervals can be created to manage the publication of orders by forcing the threads to only poll the staging tables between certain time periods.
- The publisher is an Enterprise Java Session Bean named `OrderSenderBean`. The `checkAndPublish` method will query the staging table and the base order table to get the message detail. The publisher will also ensure that messages are published to the RIB in the correct order.
- Once the message payload is built by the `OrderSenderBean`, the RIB message publisher takes the payload and wraps it with an envelope used by the RIB infrastructure.

Purchase Order Messages

The purchase order publication messages are in the XOrder message family. In AIP, this message family processes the staged orders on the PO_MFQUEUE table.

There are four purchase order message types used by AIP:

- XORDERCRE
- XORDERDTLCRE
- XORDERMOD
- XORDERDTLMOD.

All four message types use the XOrderDesc.xsd.

XORDERCRE

This message type indicates that a brand new purchase order is being sent to RMS. The orders are sent to RMS in an 'A'pproved status. This message type is inserted into PO_MFQUEUE in three different circumstances:

1. The purchase order was released by the batch, or you have chosen to release the purchase order in the OM Order Maintenance screen.
2. You have created a new purchase order in the OM Order Create screen.
3. In the OM Order Maintenance screen, you have chosen to move a purchase order delivery date and/or destination and generated a new order number.

XORDERDTLCRE

This message type indicates a new line item is being added to the purchase order after the order was externally communicated. This message type is inserted into PO_MFQUEUE when you have moved the purchase order destination and chosen to retain the existing order number, and the destination does not already exist on the order for that item.

XORDERMOD

This message type indicates that a modification was made to the overall purchase order details (header level information). This message type is inserted into PO_MFQUEUE in the following circumstances:

1. You have moved the purchase order delivery date and chosen to retain the existing order number.
2. You have canceled all ordered quantity of all items on the purchase order. The total order quantity for the entire purchase order is zero. The purchase order is sent to RMS with a 'C'anceled status.

XORDERDTLMOD

This message type indicates that a modification was made to the purchase order line items after the order was externally communicated. This message type is inserted into PO_MFQUEUE when you perform various actions in the OM Order Maintenance screen.

1. You have modified the order quantity of a purchase order that is not "Closed."
2. You have chosen to move a purchase order line item to a new destination and retain the order number. If the "move to" destination already exists on the order, a message will be written to the staging table to increase the quantity at the "move to" location.

> **Note:** Only one message can be inserted for the "move to" destination. This will either be an XORDERDTLCRE if the destination is new or XORDERDTLMOD if the SKU is already being delivered to the "move to" destination.

The order quantity of the "move from" destination must be decremented to equal the received quantity. A message will be staged for the "move from" destination.

Transfer Messages

The transfer publication messages are in the XTsf message family. In AIP, this message family processes the staged orders on the TSF_MFQUEUE table.

There is one transfer message type used by AIP, XTSFCRE, and it uses the XTsfDesc.xsd.

XTSFCRE

This message type indicates that a brand new transfer is being sent to RMS. The transfers are sent to RMS in an 'A'pproved status. This message type is inserted into TSF_MFQUEUE when the transfer is released by the batch.

AIP to RMS Data

The Order Management application within AIP releases the necessary data to be sent to RMS into staging tables.

Messages Layout

Purchase Order Header Message Layout

Column Name	Data Type	RIB XML Message Tag	Description/Comments
Order Number	string	order_no	Pre-defined unique number
Supplier ID	string	supplier	Supplier unique identifier
Currency Code	string	currency_code	
Terms	string	Terms	
Delivery Date	RIBDate	not_before_date not_after_date	Earliest expected delivery date. Latest expected delivery date.
Open-to-buy End-of-Week Date	RIBDate	otb_eow_date	
Department	number	dept	
Status	string	Status	A status value of "W"orksheet or "A"pproved is required for purchase order creation. A purchase order may not be created in approved status without detail line items attached to it. Attempting to do so will result in message rejection
Exchange Rate	number	exchange_rate	
Include on Order indicator	string	include_on_ord_ind	
Written Date	RIBDate	written_date	
Order Line Item Detail	Pointer	XOrderDtl	This is a pointer to the line item details. Depending on the message type, this tag is repeated for each line item. See below for the Order Detail Message layout.
Origin Indicator	String	orig_ind	Indicates the System of Origination.
EDI	string	edi_po_ind	
Pre-Mark Indicator	String	pre_mark_ind	
User ID	String	user_id	
Comments	String	Comment_desc	

Purchase Order – Detail Message Layout

Column Name	Data Type	RIB XML Message Tag	Description/Comments
RMS SKU	string	XOrderDtl.item	Uses the RMS SKU mapping table to convert AIP commodity pack size into RMS SKU.
Location	integer	XOrderDtl.location	Globally unique scheduling location identifier
Unit Cost	decimal	xOrderDtl.unit_cost	Not Available
Reference item	string	xOrderDtl.ref_item	
Origin Country Indicator	string	xOrderDtl.origin_conunty_id	
Supplier Pack Size	decimal	XOrderDtl.supp_pack_size	
Order Quantity	decimal	XOrderDtl.qty_ordered	
Location Type	string	XorderDtl.location_type	Order Destination Type: Store or Warehouse
Cancel Indicator	string	xOrderDtl.cancel_ind	
Reinstate Indicator	string	xOrderDtl.reinstate_ind	

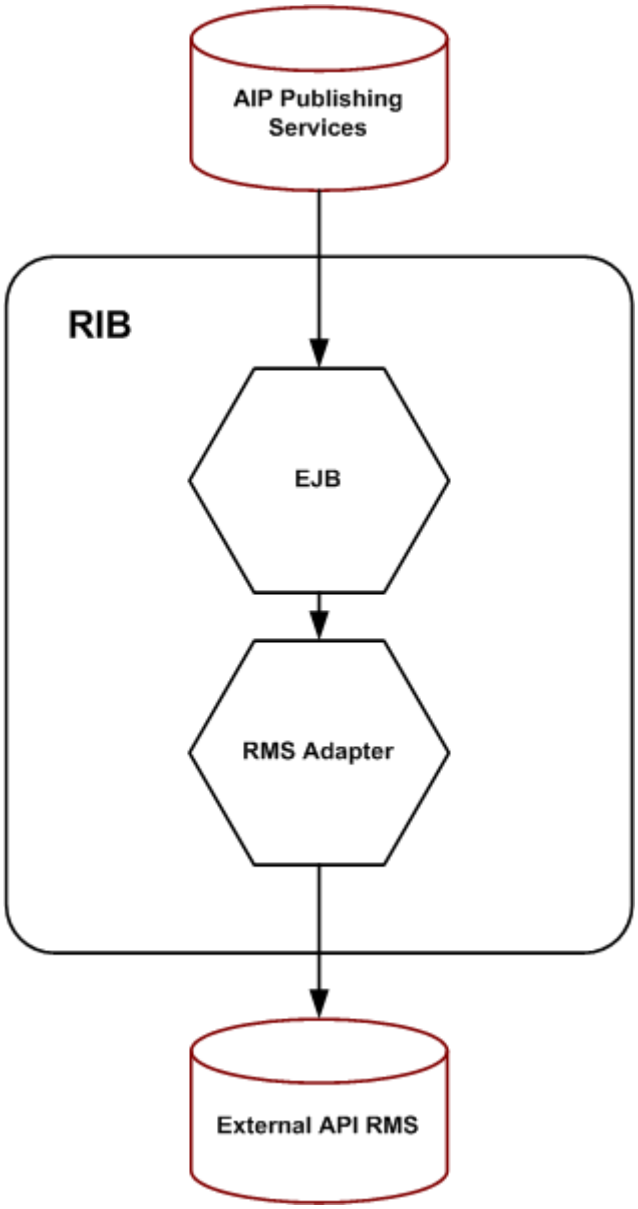
Transfers – Header Message Layout

Column Name	Data Type	RIB XML Message Tag	Description/Comments
Transfer Number	Integer	tsf_no	Pre-defined unique number
From Location Type	String	from_loc_type	
From Location	String	from_loc	
To Location Type	String	to_loc_type	
To Location	String	to_loc	
Delivery Date	Date	delivery_date	
Department	Integer	dept	Not available in AIP.
Routing Code	String	routing_code	Not Available in AIP
Freight Code	String	freight_code	Not Available in AIP
Transfer Type	String	tsf_type	
Transfer Detail	Pointer	XTsfDtl*	See Transfer Create Details.
Transfer Status	String	status	
User ID	String	user_id	
Comments	String	comment_desc	

Transfers – Detail Message Layout

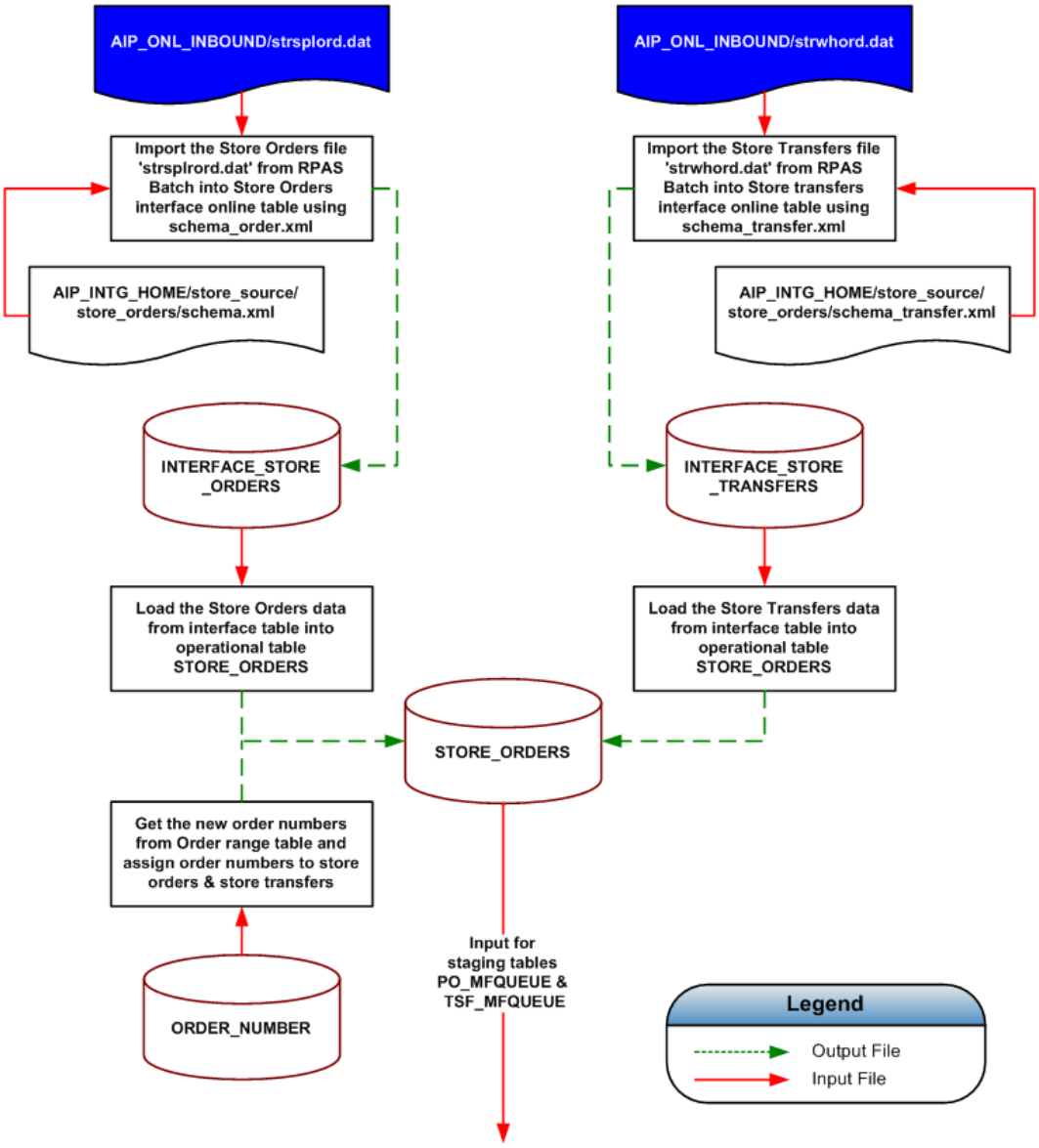
Column Name	Data Type	RIB XML Message Tag	Description/Comments
RMS SKU	string	xTsfDtl.item	
Transfer Quantity	decimal	xTsfDtl.tsf_qty	
Pack Size	decimal	xTsfDtl.supp_pack_size	
Inventory Status	integer	xTsfDtl.inv_status	
Unit Cost	decimal	XTsfDtl.unit_cost	

Purchase Orders and Transfers Message Flow in AIP

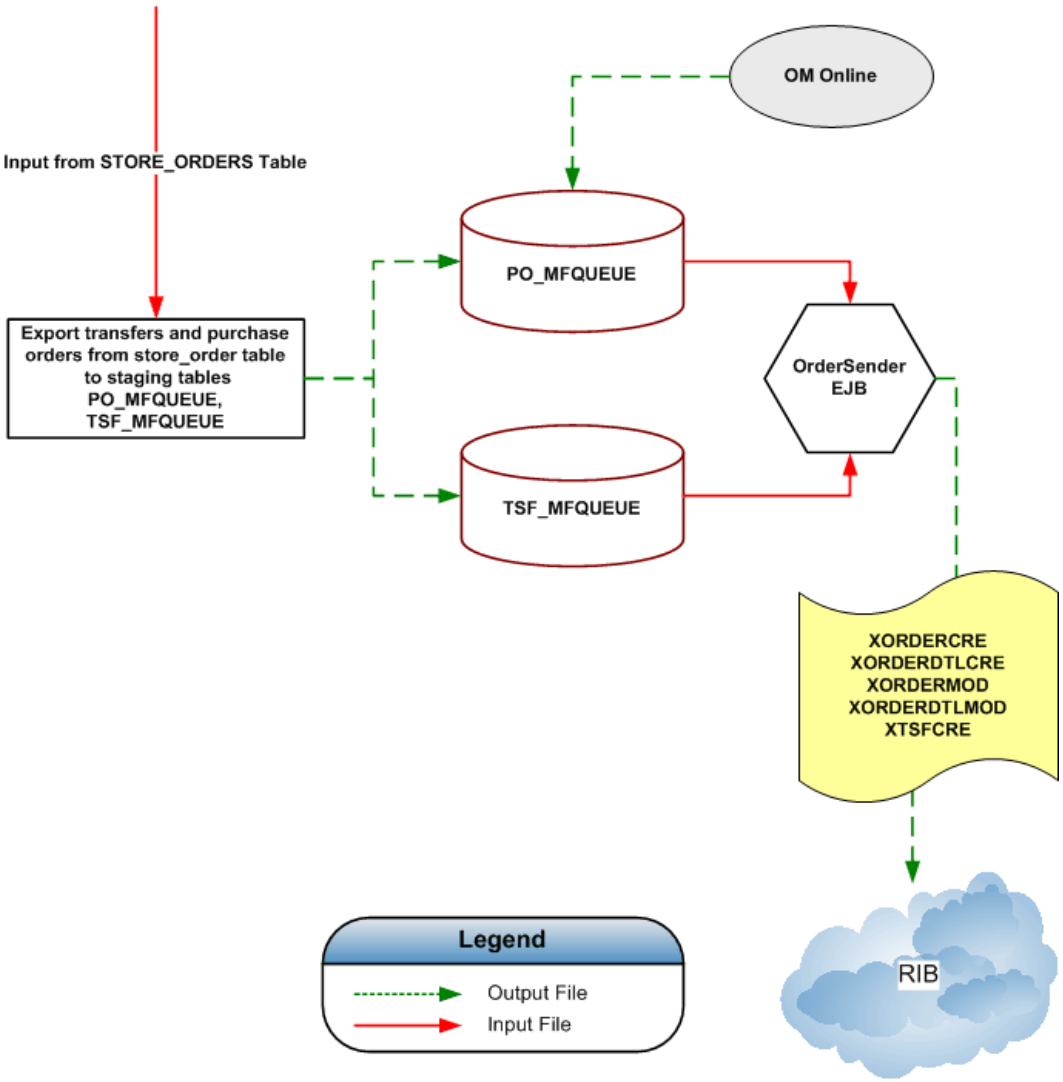


Purchase Orders and Transfers Message Flow Diagram

Store – Purchase Orders and Transfers Message Flow

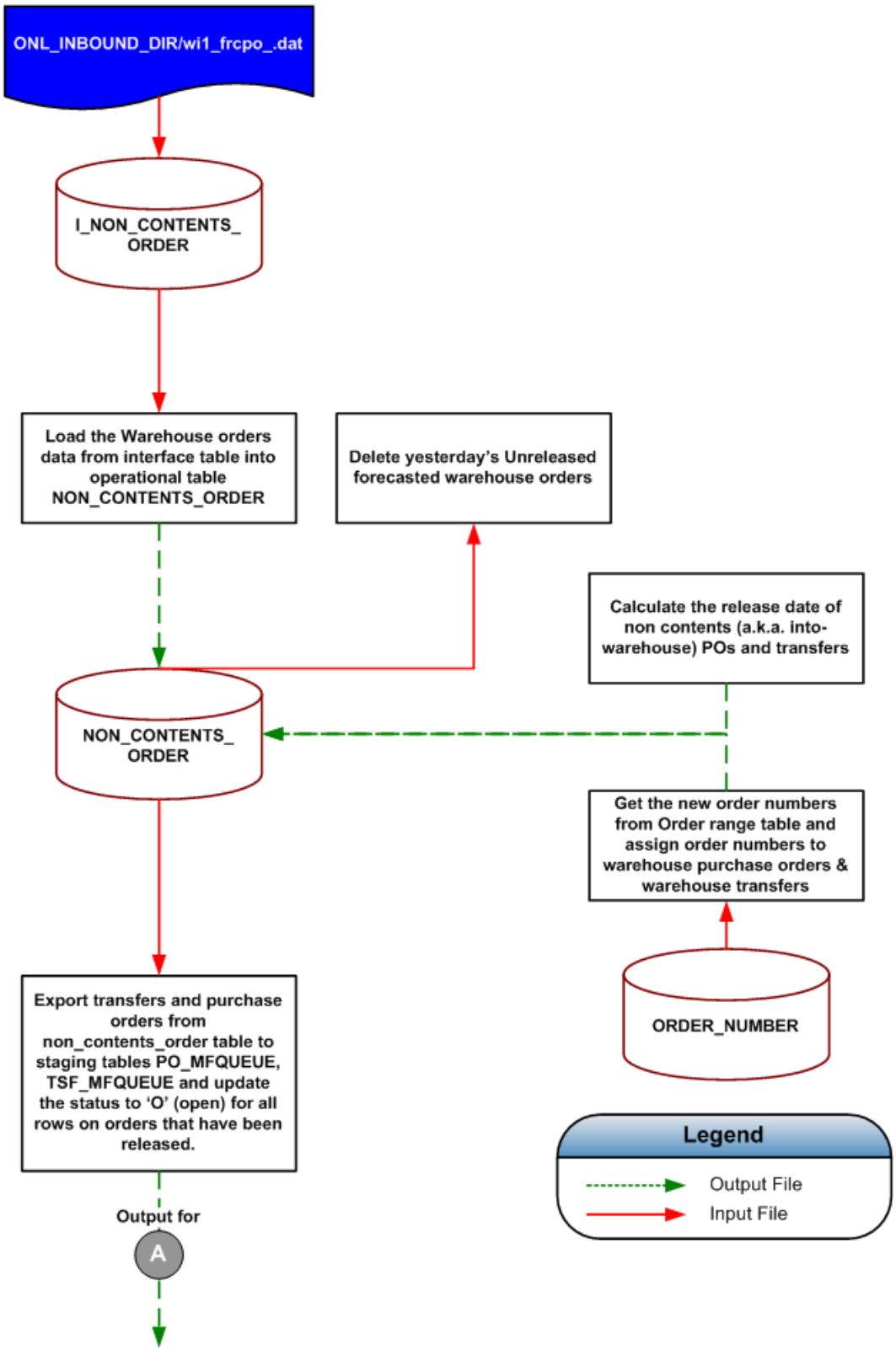


Store – Purchase Orders and Transfers Message Flow Diagram (1 of 2)

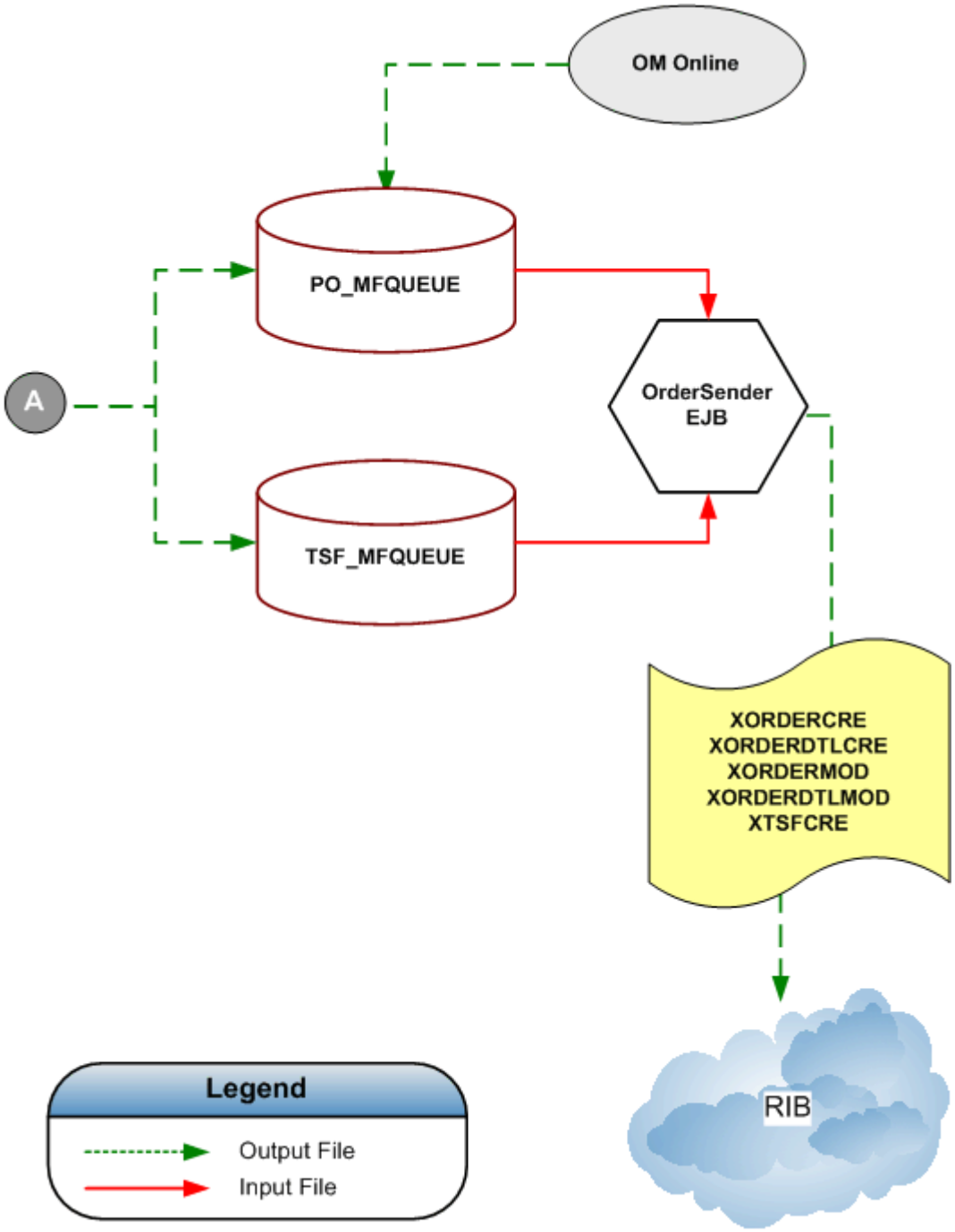


Store – Purchase Orders and Transfers Message Flow (2 of 2)

Warehouse – Purchase Orders and Transfers Message Flow



Warehouse – Purchase Orders and Transfers Message Flow Diagram (1 of 2)



Warehouse – Purchase Orders and Transfers Message Flow (2 of 2)

Data Formats for Creating Order – XORDERCRE

Data Element Details

Data Type	Data Element Name	Data Description
RIB Publication Message	Create Order	Contains Purchase Order header and details

Extracting Program Details

Program Type	EJB
Program Name	OrderSenderBean.java
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RIB Message - Xorder Family
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	XORDERCRE Message
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	PO_MFQUEUE	ORDER_NUMBER	Order Number	Number	(10,0)
2	SUPPLIER	SUPPLIER_CODE	Supplier Code	Varchar2	20
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	STORE_ORDER NON_CONTENTS _ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
6	STORE_ORDER NON_CONTENTS _ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	PO_MFQUEUE	STATUS	Status	Varchar2	1
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13		**XORDER Detail Records**			
	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME QUANTITY PACK_SIZE	Case Volume Quantity Pack Size	Number	8
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	order_no	The unique identifier for the order	Varchar2	10	N/A
2	supplier	The identifier of the supplier from which the order will be sourced. This cannot be modified if details exist for the PO.	Varchar2	10	A substring is used to drop the "V" prefix that is appended to all RMS supplier numbers.
3	currency_code	The code of the order's currency.	Varchar2	3	Hardcoded as NULL
4	terms	The sales terms of the order.	Varchar2	15	Hardcoded as NULL
5	not_before_date	The first date that delivery will be accepted.	Date		Select the minimum delivery date from the order line items which are not closed. All order line items which are not closed will have the same delivery date.
6	not_after_date	The last date that delivery will be accepted.	Date		Select the maximum delivery date from the order line items which are not closed. All order line items which are not closed will have the same delivery date.
7	otb_eow_date	The end of week date of the OTB bucket used.	Date		Hardcoded as NULL
8	dept	The department in which are all the items on the order.	Number	4	Hardcoded as NULL
9	status	The code for the status of the order. Valid values are "W" worksheet and 'A' approved for PO creation. It is also possible to modify the status to 'C' closed.	Varchar2	1	The table column has a default of 'A'
10	exchange_rate	The rate of exchange for the PO used between the order and primary currencies.	Number	20	Hardcoded as NULL
11	include_on_ord_ind	Indicates if the order should be included in on-order calculations.	Varchar2	1	Hardcoded as NULL
12	written_date	The date the order was created.	Date		Hardcoded as NULL

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
13		**XORDER Detail Records**			
	item	An approved, transaction level item	Varchar2	25	N/A
	location	An active store or warehouse	Number	(10,0)	A substring is used to drop the "S" prefix that is appended to all RMS store numbers and to drop the "W" prefix that is appended to all RMS warehouse numbers.
	unit_cost	The cost of the item from the supplier in the order's currency	Number	(20,4)	Hardcoded as NULL
	ref_item	The id of a reference item which can be used instead of using the item field	Varchar2	25	Hardcoded as NULL
	origin_country_id	The identifier of the country from which the item is being sourced	Varchar2	3	Hardcoded as NULL
	supp_pack_size	The supplier pack size for the item on the order	Number	(12,3)	The AIP SKU-pack size is mapped to the RMS Item and Order Multiple.
	qty_ordered	The quantity ordered of item	Number	(12,4)	Non-pack SKUs·: store_order.case_volume x commodity_mapping.pack_size· non_contents_order.quantity x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
	location_type	The location type of the location	Varchar2	1	S indicates the destination location is a store. W indicates the destination location is a warehouse.
	cancel_ind	Indicates if the detail record's quantity should be cancelled	Varchar2	1	Hardcoded as NULL
	reinstate_ind	Indicates if a detail record which was previously cancelled should be reinstated	Varchar2	1	Hardcoded as NULL

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
14	origin_ind	Indicates where the order originated. Valid values include: 2 - Manual, 6 - AIP generated order, 7 , 8.	Varchar2	1	6 is a unique RMS identifier that indicates the PO was created in AIP and is hardcoded
15	edi_po_ind	Indicates whether or not the order will be transmitted to the supplier via an Electronic Data Exchange transaction. Valid values are: Y = Submit via EDI, N = Do not use EDI.	Varchar2	1	Hardcoded as NULL
16	pre_mark_ind	This field indicated whether or not a supplier has agreed to break an order into separate boxes so that the boxes can be sent directly to stores.	Varchar2	1	Hardcoded as NULL
17	user_id	Indicates where the order was approved. It will be the user ID of the person approving the order.	Varchar2	30	Hardcoded as NULL
18	comment_desc	Any comments pertaining to the order.	Varchar2	2000	Hardcoded as NULL

Filtering Conditions

Store Orders

```
poQ.file_interface_ind = 'N' AND so.order_number = poQ.order_number AND
so.future_release_ind = 'N' AND so.supplier_id = supp.supplier_id AND
so.commodity_id=cm.commodity_id AND so.pack_size=cm.pack_size AND
s.store_id=so.store_id AND (poQ.store_order_id=so.store_order_id OR
poQ.store_order_id IS NULL)
```

Warehouse Orders

```
poQ.file_interface_ind = 'N' AND nco.order_number = poQ.order_number AND
nco.source_type='V' AND nco.source_id=s.supplier_id AND
nco.commodity_id=cm.commodity_id AND nco.pack_size=cm.pack_size AND
nco.stocking_point_id = chamber.stocking_point_id AND
(poQ.non_contents_order_id=nco.non_contents_order_id OR poQ.non_contents_order_id
IS NULL) AND wh.stocking_point_id(+) = chamber.parent_stocking_point_id
```

Create Order Layout – XORDERDTLCRE

The Order Detail create message is the same format and basic content as the Order Create message; however, the message will only contain any **new** order line items. Any line items which have already been communicated to RMS will not be included in a Order Detail Create message.

Data Element Details

Data Type	Data Element Name	Data Description
RIB Publication Message	Create Order Detail	Contains Purchase Order Header and new detail information

Extracting Program Details

Program Type	EJB
Program Name	OrderSenderBean.java
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RIB Message - Xorder Family
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	XORDERDTL Detail Message
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
2	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
7	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME QUANTITY PACK_SIZE	Case Volume Quantity Pack Size	Number	8
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	item	An approved, transaction level item	Varchar2	25	N/A
2	location	An active store or warehouse	Number	(10,0)	A substring is used to drop the "S" prefix that is appended to all RMS store numbers and to drop the "W" prefix that is appended to all RMS warehouse numbers.
3	unit_cost	The cost of the item from the supplier in the order's currency	Number	(20,4)	Hard coded as NULL
4	ref_item	The id of a reference item which can be used instead of using the item field	Varchar2	25	Hard coded as NULL
5	origin_country_id	The identifier of the country from which the item is being sourced	Varchar2	3	Hard coded as NULL
6	supp_pack_size	The supplier pack size for the item on the order	Number	(12,3)	The AIP SKU-pack size is mapped to the RMS Item and Order Multiple.
7	qty_ordered	The quantity ordered of item	Number	(12,4)	Non-pack SKUs: store_order.case_volume x commodity_mapping.pack_size· non_contents_order.quantity x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
8	location_type	The location type of the location	Varchar2	1	S indicates the destination location is a store. W indicates the destination location is a warehouse.
9	cancel_ind	Indicates if the detail record's quantity should be cancelled	Varchar2	1	Hard coded as NULL
10	reinstate_ind	Indicates if a detail record which was previously cancelled should be reinstated	Varchar2	1	Hard coded as NULL

Filtering Conditions

Store Orders

```
so.order_number=pm.order_number AND so.supplier_id = supp.supplier_id AND
so.commodity_id=cm.commodity_id AND so.pack_size=cm.pack_size AND
s.store_id=so.store_id AND (pm.store_order_id=so.store_order_id OR
pm.store_order_id IS NULL)
```

Warehouse Orders

```
nco.source_type="V" AND nco.order_number=pm.order_number AND
nco.source_id=s.supplier_id AND nco.commodity_id=cm.commodity_id AND
nco.pack_size=cm.pack_size AND nco.stocking_point_id = sp1.stocking_point_id AND
(pm.non_contents_order_id=nco.non_contents_order_id OR pm.non_contents_order_id IS
NULL) AND sp2.stocking_point_id(+) = sp1.parent_stocking_point_id
```

Modify Order Header Layout – XORDERMOD

Data Element Details

Data Type	Data Element Name	Data Description
RIB Publication Message	Modify Order Header	Contains Purchase Order header details

Extracting Program Details

Program Type	EJB
Program Name	OrderSenderBean.java
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RIB Message - Xorder Family
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	XORDERMOD Header Message
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	PO_MFQUEUE	ORDER_NUMBER	Order Number	Number	(10,0)
2	SUPPLIER	SUPPLIER_CODE	Supplier Code	Varchar2	20
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	STORE_ORDER NON_CONTENTS_ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
6	STORE_ORDER NON_CONTENTS_ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	PO_MFQUEUE	STATUS	Status	Varchar2	1
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Target Field Data Type	Field Length	Condition/Format
1	order_no	The unique identifier for the order	Varchar2	10	N/A
2	supplier	The identifier of the supplier from which the order will be sourced. This cannot be modified if details exist for the PO.	Varchar2	10	A substring is used to drop the "V" prefix that is appended to all RMS supplier numbers.
3	currency_code	The code of the order's currency.	Varchar2	3	Hardcoded as NULL
4	terms	The sales terms of the order.	Varchar2	15	Hardcoded as NULL
5	not_before_date	The first date that delivery will be accepted.	Date		Select the minimum delivery date from the order line items which are not closed. All order line items which are not closed will have the same delivery date.
6	not_after_date	The last date that delivery will be accepted.	Date		Select the maximum delivery date from the order line items which are not closed. All order line items which are not closed will have the same delivery date.
7	otb_eow_date	The end of week date of the OTB bucket used.	Date		Hardcoded as NULL
8	dept	The department in which are all the items on the order.	Number	4	Hardcoded as NULL
9	status	The code for the status of the order. Valid values are "W" worksheet and 'A' approved for PO creation. It is also possible to modify the status to 'C' closed.	Varchar2	1	The table column has a default of 'A'. If all order quantities are 0 the status of 'C'ancel must be sent to RMS.
10	exchange_rate	The rate of exchange for the PO used between the order and primary currencies.	Number	20	Hardcoded as NULL
11	include_on_ord_ind	Indicates if the order should be included in on-order calculations.	Varchar2	1	Hardcoded as NULL
12	written_date	The date the order was created.	Date		Hardcoded as NULL

#	Target Data Field Name	Target Field Description	Target Field Data Type	Field Length	Condition/Format
13	origin_ind	Indicates where the order originated. Valid values include: 2 - Manual, 6 - AIP generated order, 7 , 8.	Varchar2	1	6 is a unique RMS identifier that indicates the PO was created in AIP and is hardcoded
14	edi_po_ind	Indicates whether or not the order will be transmitted to the supplier via an Electronic Data Exchange transaction. Valid values are: Y = Submit via EDI, N = Do not use EDI.	Varchar2	1	Hardcoded as NULL
15	pre_mark_ind	This field indicated whether or not a supplier has agreed to break an order into separate boxes so that the boxes can be sent directly to stores.	Varchar2	1	Hardcoded as NULL
16	user_id	Indicates where the order was approved. It will be the user ID of the person approving the order.	Varchar2	30	Hardcoded as NULL
17	comment_desc	Any comments pertaining to the order.	Varchar2	2000	Hardcoded as NULL

Filtering Conditions

Store Orders

```
so.order_number=pm.order_number AND so.supplier_id = supp.supplier_id AND
so.commodity_id=cm.commodity_id AND so.pack_size=cm.pack_size AND
s.store_id=so.store_id AND (pm.store_order_id=so.store_order_id OR
pm.store_order_id IS NULL)
```

Warehouse Orders

```
nco.source_type="V" AND nco.order_number=pm.order_number AND
nco.source_id=s.supplier_id AND nco.commodity_id=cm.commodity_id AND
nco.pack_size=cm.pack_size AND nco.stocking_point_id = sp1.stocking_point_id AND
(pm.non_contents_order_id=nco.non_contents_order_id OR pm.non_contents_order_id IS
NULL) AND sp2.stocking_point_id(+) = sp1.parent_stocking_point_id
```

Modify Order Layout – XORDERDTLMOD

The Order Detail Modification message is the same format and similar content as the Order Create message; however, the message will only contain any **modified** order line items. Any line items which have already been communicated to RMS but have not been modified will not be included in an Order Detail Modification message.

Data Element Details

Data Type	Data Element Name	Data Description
RIB Publication Message	Modify Order Detail	Contains Purchase Order header and detail information

Extracting Program Details

Program Type	EJB
Program Name	OrderSenderBean.java
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RIB Message - Xorder Family
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	XORDERDTLMOD Message
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
2	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
7	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME_DELTA QUANTITY_DELTA PACK_SIZE	Case Volume Quantity Pack Size	Number	8
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	item	An approved, transaction level item	Varchar2	25	N/A
2	location	An active store or warehouse	Number	(10,0)	A substring is used to drop the "S" prefix that is appended to all RMS store numbers and to drop the "W" prefix that is appended to all RMS warehouse numbers.
3	unit_cost	The cost of the item from the supplier in the order's currency	Number	(20,4)	Hardcoded as NULL
4	ref_item	The id of a reference item which can be used instead of using the item field	Varchar2	25	Hardcoded as NULL
5	origin_country_id	The identifier of the country from which the item is being sourced	Varchar2	3	Hardcoded as NULL
6	supp_pack_size	The supplier pack size for the item on the order	Number	(12,3)	The AIP SKU-pack size is mapped to the RMS Item and Order Multiple.
7	qty_ordered	Changed quantity in eaches	Number	(12,4)	Non-pack SKUs·: store_order.case_volume_delta x commodity_mapping.pack_size· non_contents_order.quantity _delta x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
8	location_type	The location type of the location	Varchar2	1	S indicates the destination location is a store. W indicates the destination location is a warehouse.
9	cancel_ind	Indicates if the detail record's quantity should be cancelled	Varchar2	1	Hardcoded as NULL
10	reinstate_ind	Indicates if a detail record which was previously cancelled should be reinstated	Varchar2	1	Hardcoded as NULL

Filtering Conditions

Store Orders

```
so.order_number=pm.order_number AND so.supplier_id = supp.supplier_id AND
so.commodity_id=cm.commodity_id AND so.pack_size=cm.pack_size AND
s.store_id=so.store_id AND (pm.store_order_id=so.store_order_id OR
pm.store_order_id IS NULL)
```

Warehouse Orders

```
nco.source_type="V" AND nco.order_number=pm.order_number AND
nco.source_id=s.supplier_id AND nco.commodity_id=cm.commodity_id AND
nco.pack_size=cm.pack_size AND nco.stocking_point_id = sp1.stocking_point_id AND
(pm.non_contents_order_id=nco.non_contents_order_id OR pm.non_contents_order_id IS
NULL) AND sp2.stocking_point_id(+) = sp1.parent_stocking_point_id
```

Create Transfer Layout – XTSFCRE

Data Element Details

Data Type	Data Element Name	Data Description
RIB Publication Message	New Transfer	Contains Transfer header and details

Extracting Program Details

Program Type	EJB
Program Name	OrderSenderBean.java
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RIB Message XTsf Family
Source Table(s)/File(s)	STORE_ORDER, STORE, TSF_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	XTSFCRE Message
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	TSF_MFQUEUE	TSF_NUMBER	Transfer Number	Number	(10,0)
2	N/A	N/A	N/A	N/A	N/A
3	STOCKING_POINT	STOCKING_POINT_NUMBER	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
6	STORE_ORDER NON_CONTENTS_ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11		**XTSF Detail Records Layout**			
	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME QUANTITY PACK_SIZE	Case Volume Quantity Pack Size	Number	8
	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

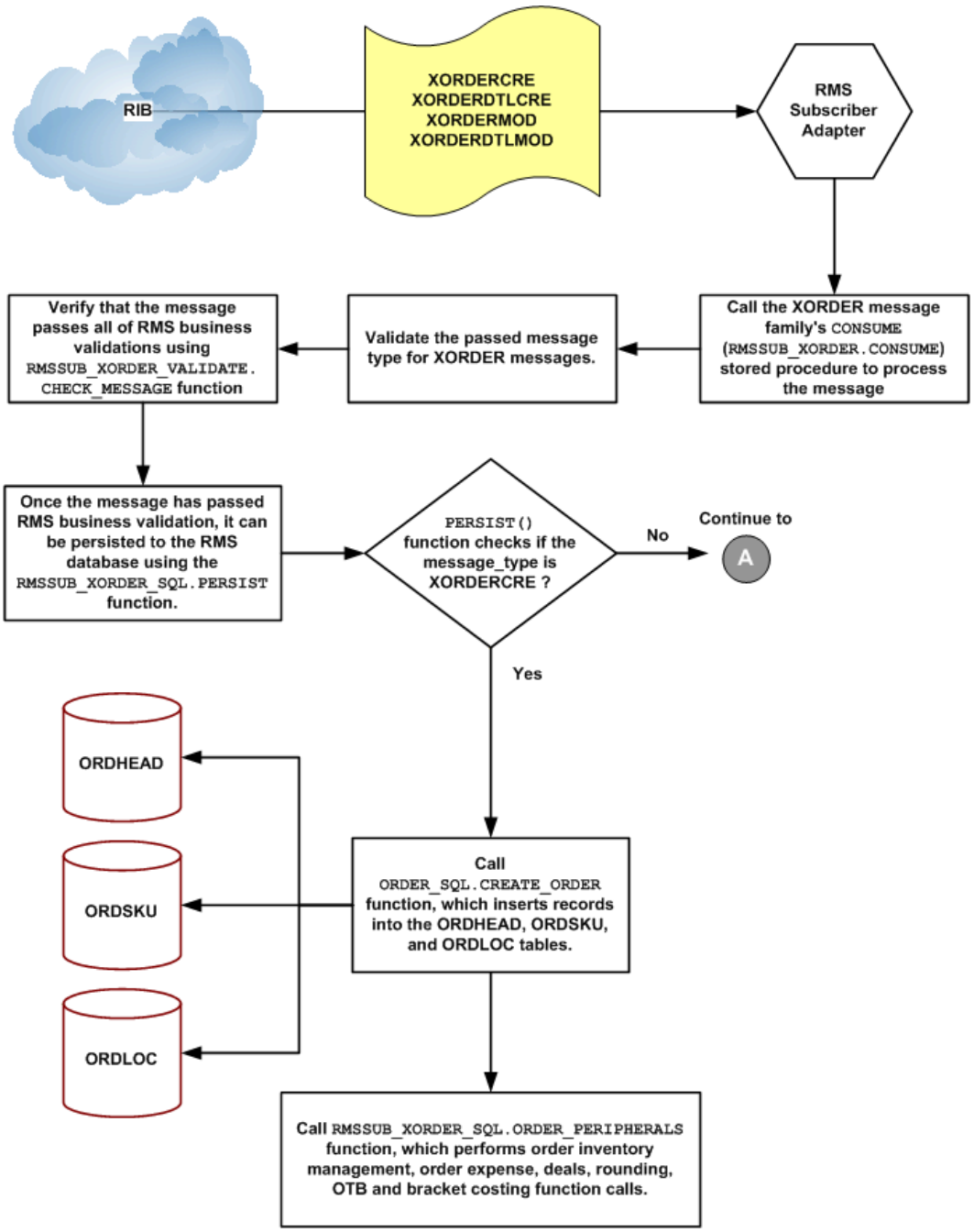
#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	tsf_no	Number that uniquely identifies the transfer	Number	10	N/A
2	from_loc_type	The location type of the from location	Varchar2	1	Hardcoded as “W”
3	from_loc	The location number of the from location	Varchar2	10	A substring is used to drop the “W” prefix that is appended to all RMS warehouse numbers.
4	to_loc_type	The location type of the to location	Varchar2	1	S' indicates the destination location is a store. “W” indicates the destination location is a warehouse.
5	to_loc	The location number of the to location	Varchar2	10	A substring is used to drop the “S” prefix that is appended to all RMS store numbers and to drop the “W” prefix that is appended to all RMS warehouse numbers.
6	delivery_date	The earliest date the transfer can be delivered.	Date		N/A
7	dept	The department number associated with the transfer	Number	4	Hardcoded as NULL
8	routing_code	If the freight status is expedite, this is a code indicating more detailed freight info	Varchar2	1	Hardcoded as NULL
9	freight_code	A code indicating the freight status of the transfer (e.g. normal, expedite, etc.).	Varchar2	1	Hardcoded as NULL
10	tsf_type	A code indicating the type of transfer (e.g. store requisition, book transfer, etc.).	Varchar2	6	Hardcoded as 'AIP'

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
11		**XTSF Detail Record Layout**			
	item	The unique identifier of the item being transferred.	Varchar2	25	N/A
	tsf_qty	The total quantity of the item reserved for this transfer at the from location.	Number	(12,4)	Non-pack SKUs·: store_order.case_volume x commodity_mapping.pack_size· non_contents_order.quantity x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
	supp_pack_size	The supplier pack size for this item/transfer.	Number	(12,4)	The AIP SKU-pack size is mapped to the RMS Item and Order Multiple.
	inv_status	A code indicating the inventory status for this transfer detail; valid values are found on the inv_status_types table	Number	2	Hardcoded as NULL
	unit_cost	Not mapped to a database field. Sometimes used to calculate retail price.	Number	(20,4)	Hardcoded as NULL
12	status	A code indicating the status of the transfer (e.g. approved, closed, etc.).	Varchar2	1	The transfer will be created in 'Approved' status so hardcoded as 'A'
13	user_id	The userid of the user who created the transfer.	Varchar2	30	Hardcoded as NULL
14	comment_desc	Comments associated with the transfer	Varchar2	2000	Hardcoded as NULL

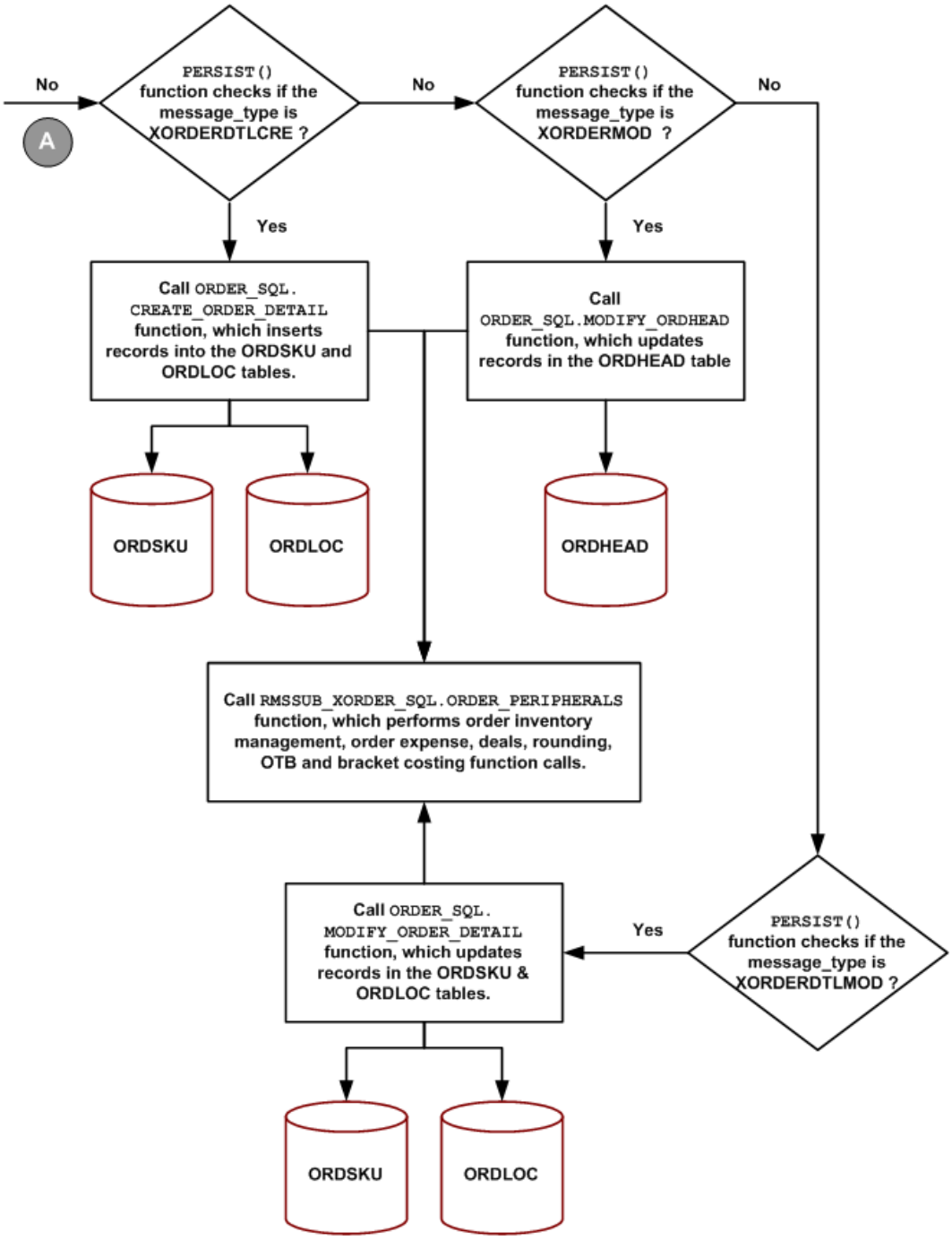
Filtering Conditions

None.

AIP Purchase Order Messages – RMS Load Process

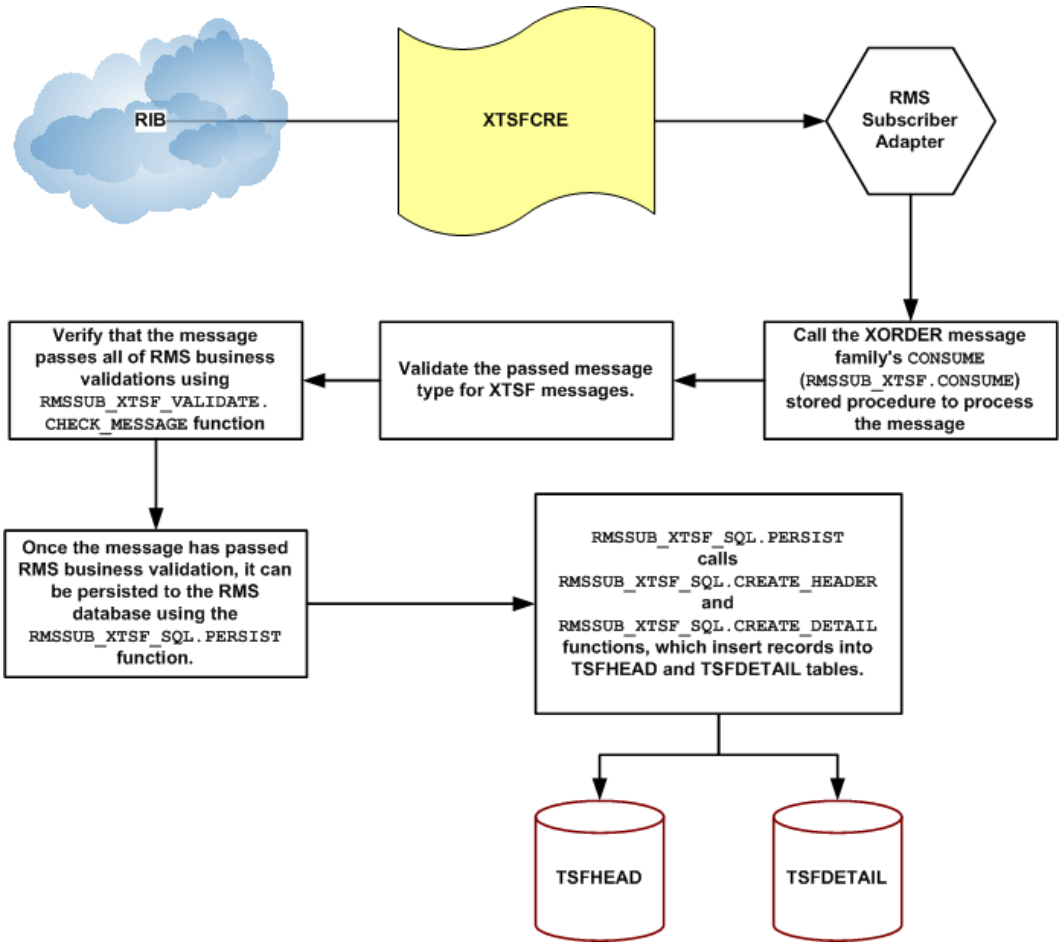


AIP Purchase Order Messages – RMS Load Process Diagram (1 of 2)



AIP Purchase Order Messages – RMS Load Process Diagram (2 of 2)

AIP Transfer Messages – RMS Load Process



AIP Transfer Messages – RMS Load Process Diagram

XORDER Header – RMS ORDHEAD Mapping

Data Element Details

Data Type	Data Element Name	Data Description
RMS Subscriber Mapping	Create/Modify Order Header	Contains Purchase Order header details

Extracting Program Details

Program Type	RIB Subscriber Adapter
Program Name	RMS Subscriber Adapter
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RMS Database
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	ORDHEAD table
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
1	PO_MFQUEUE	ORDER_NUMBER	Order Number	Number	(10,0)
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	SUPPLIER	SUPPLIER_CODE	Supplier Code	Varchar2	20
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	STORE_ORDER NON_CONTENTS_ORDER	min of DELIVERY_DATE	Delivery Date	Date	N/A
13	STORE_ORDER NON_CONTENTS_ORDER	max of DELIVERY_DATE	Delivery Date	Date	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A
24	N/A	N/A	N/A	N/A	N/A
25	N/A	N/A	N/A	N/A	N/A
26	N/A	N/A	N/A	N/A	N/A
27	PO_MFQUEUE	STATUS	Status	Varchar2	1
28	N/A	N/A	N/A	N/A	N/A
29	N/A	N/A	N/A	N/A	N/A
30	N/A	N/A	N/A	N/A	N/A
31	N/A	N/A	N/A	N/A	N/A
32	N/A	N/A	N/A	N/A	N/A
33	N/A	N/A	N/A	N/A	N/A

#	Source Table	Source Table Column	Source Field Description	Source Data Type	Field Length
34	N/A	N/A	N/A	N/A	N/A
35	N/A	N/A	N/A	N/A	N/A
36	N/A	N/A	N/A	N/A	N/A
37	N/A	N/A	N/A	N/A	N/A
38	N/A	N/A	N/A	N/A	N/A
39	N/A	N/A	N/A	N/A	N/A
40	N/A	N/A	N/A	N/A	N/A
41	N/A	N/A	N/A	N/A	N/A
42	N/A	N/A	N/A	N/A	N/A
43	N/A	N/A	N/A	N/A	N/A
44	N/A	N/A	N/A	N/A	N/A
45	N/A	N/A	N/A	N/A	N/A
46	N/A	N/A	N/A	N/A	N/A
47	N/A	N/A	N/A	N/A	N/A
48	N/A	N/A	N/A	N/A	N/A
49	N/A	N/A	N/A	N/A	N/A
50	N/A	N/A	N/A	N/A	N/A
51	N/A	N/A	N/A	N/A	N/A
52	N/A	N/A	N/A	N/A	N/A
53	N/A	N/A	N/A	N/A	N/A
54	N/A	N/A	N/A	N/A	N/A
55	N/A	N/A	N/A	N/A	N/A
56	N/A	N/A	N/A	N/A	N/A
57	N/A	N/A	N/A	N/A	N/A
58	N/A	N/A	N/A	N/A	N/A
59	N/A	N/A	N/A	N/A	N/A
60	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

The target table for all data is ORDHEAD.

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	ORDER_NO	The unique identifier for the order	NUMBER	(8,0)	N/A
2	ORDER_TYPE	Order Type	VARCHAR2	3	Hardcode as 'N/B' at destination
3	DEPT		NUMBER	(4,0)	Hardcoded as NULL at Source
4	BUYER		NUMBER	(4,0)	NULL
5	SUPPLIER	The identifier of the supplier from which the order will be sourced. This cannot be modified if details exist for the PO.	NUMBER	(10,0)	A substring is used to drop the "V" prefix that is appended to all RMS supplier numbers.
6	SUPP_ADD_SEQ_NO	Supplier Address Sequence Number	NUMBER	(4,0)	Populated with primary address sequence number for the primary supplier
7	LOC_TYPE	Location Type	VARCHAR2	1	NULL
8	LOCATION	Location Type	NUMBER	(10,0)	NULL
9	PROMOTION	Promotion Number	NUMBER	(10,0)	NULL
10	QC_IND	QC Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
11	WRITTEN_DATE	The date order was created	DATE		Hardcoded as today's Vdate
12	NOT_BEFORE_DATE	The first date that delivery will be accepted.	DATE		If Source value is NULL, then Vdate Else Source Value.
13	NOT_AFTER_DATE	The last date that delivery will be accepted.	DATE		If Source value is NULL, then Vdate Else Source Value.
14	OTB_EOW_DATE	The end of week date of the OTB bucket used.	DATE		Populated with EOW date for the date NOT_AFTER_DATE at destination
15	EARLIEST_SHIP_DATE	Earliest Shipment Date	DATE		Populated as NOT_BEFORE_DATE at destination
16	LATEST_SHIP_DATE	Latest Shipment Date	DATE		Calculated at destination as NOT_BEFORE_DATE + LATEST_SHIP_DAYS from SYSTEM_OPTIONS table

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
17	CLOSE_DATE	Order Close Date	DATE		Hardcoded as NULL
18	TERMS	The sales terms of the order.	VARCHAR2	15	Populated as TERMS of primary supplier from SUPS table
19	FREIGHT_TERMS	The freight terms of the order.	VARCHAR2	30	Populated as FREIGHT_TERMS of primary supplier from SUPS table
20	ORIG_IND	Indicates where the order originated. Valid values include: 2 - Manual, 6 - AIP generated order, 7 , 8.	NUMBER	(1,0)	6 is a unique RMS identifier that indicates the PO was created in AIP and is hardcoded at source
21	CUST_ORDER	Customer Order Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
22	PAYMENT_METHOD	Payment Method for the Order	VARCHAR2	6	Populated as PAYMENT_METHOD of primary supplier from SUPS table
23	BACKHAUL_TYPE	Backhaul Type	VARCHAR2	6	NULL
24	BACKHAUL_ALLOWANCE	Backhaul Allowance	NUMBER	(20,4)	NULL
25	SHIP_METHOD	Shipping Method	VARCHAR2	6	Populated as SHIP_METHOD of primary supplier from SUPS table
26	PURCHASE_TYPE	Purchase Type	VARCHAR2	6	NULLablel column
27	STATUS	The code for the status of the order.	VARCHAR2	1	Source has the status as 'A'
28	ORIG_APPROVAL_DATE	Original Approval Date of the Order	DATE		If Status is Approved, harcoded as VDATE at destination Else NULL
29	ORIG_APPROVAL_ID	Original Approval User ID	VARCHAR2	30	User ID used to run the batch/adapter
30	SHIP_PAY_METHOD	Shipment Pay Method	VARCHAR2	2	NULL
31	FOB_TRANS_RES	Trans Reserve	VARCHAR2	2	NULL
32	FOB_TRANS_RES_DESC	Trans Reserve Description	VARCHAR2	45	NULL
33	FOB_TITLE_PASS	Title Pass	VARCHAR2	2	Populated as FOB_TITLE_PASS from SYSTEM_OPTIONS table
34	FOB_TITLE_PASS_DESC	Title Pass Description	VARCHAR2	45	NULL
35	EDI_SENT_IND	EDI Sent Indicator	VARCHAR2	1	Hardcoded as 'N' at destination

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
36	EDI_PO_IND	EDI PO Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
37	IMPORT_ORDER_IND	Import Order Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
38	IMPORT_COUNTRY_ID	Imported Country ID	VARCHAR2	3	Populated as BASE_COUNTRY_ID from SYSTEM_OPTIONS table
39	PO_ACK_RECVD_IND	PO Acknowledgement Received Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
40	INCLUDE_ON_ORDER_IND	Indicates if the order should be included in on-order calculations.	VARCHAR2	1	Hardcoded as 'Y' at destination
41	VENDOR_ORDER_NO	Vendor Order Indicator	VARCHAR2	15	NULL
42	EXCHANGE_RATE	The rate of exchange for the PO used between the order and primary currencies.	NUMBER	(20,10)	Populated as Exchange rate for the primary currency and exchange type 'P'
43	FACTORY	Factory	VARCHAR2	10	NULL
44	AGENT	Agent	VARCHAR2	10	NULL
45	DISCHARGE_PORT	Discharge Port	VARCHAR2	5	NULL
46	LADING_PORT	Landing Port	VARCHAR2	5	NULL
47	BILL_TO_ID	Location to be billed	VARCHAR2	5	Populated as BILL_TO_LOC from SYSTEM_OPTIONS table
48	FREIGHT_CONTRACT_NO	Freight Contract Number	VARCHAR2	10	NULL
49	PO_TYPE	PO Type	VARCHAR2	4	NULL
50	PRE_MARK_IND	Pre Mark Indicator	VARCHAR2	1	Hardcoded as 'N' at destination
51	CURRENCY_CODE	Currency Code of the order	VARCHAR2	3	Populated as CURRENCY_CODE of the primary supplier from SUPS table
52	REJECT_CODE	Rejection Code	VARCHAR2	6	NULL
53	CONTRACT_NO	Contract Number	NUMBER	(6,0)	NULL
54	LAST_SENT_REV_NO	Last Sent Review Number	NUMBER	(6,0)	NULL
55	SPLIT_REF_ORDNO	Split Order Reference Number	NUMBER	(8,0)	NULL
56	PICKUP_LOC	Pickup Location	VARCHAR2	45	NULL
57	PICKUP_NO	Pickup Number	VARCHAR2	25	NULL

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
58	PICKUP_DATE	Pickup Date	DATE		If NOT_BEFORE_DATE is not null then NOT_BEFORE_DATE else VDATE
59	APP_DATETIME	Approved Date & Time	DATE		NULL
60	COMMENT_DESC	Comments	VARCHAR2	250	NULL

Filtering Conditions

None.

XORDER Detail – ORDSKU & ORDLOC Mapping

This section addresses the RMS Subscriber mappings from the XORDER detail message, which contains Purchase Order line item detail. The detail information contained in the message is mapped to two RMS database tables, the Order SKU (ORDSKU) and Order Location (ORDLOC) tables.

Data Element Details

Data Type	Data Element Name	Data Description
RMS Subscriber Mapping	Create/Modify Order Detail	Contains Purchase Order Line Item details

Extracting Program Details

Program Type	RIB Subscriber Adapter
Program Name	RMS Subscriber Adapter
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RMS Database
Source Table(s)/File(s)	STORE_ORDER, STORE, SUPPLIER, PO_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	ORDSKU & ORDLOC tables
		Target Load Type	N/A

Field Level Mapping – Source for Order SKU (ORDSKU) Table

The following table shows source data mapped to the Order SKU (ORDSKU) table.

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	PO_MFQUEUE	ORDER_NUMBER	Order Number	Number	(10,0)
2	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	SUPPLIER	SUPPLIER_CODE	Supplier Code	Varchar2	20
6	N/A	N/A	N/A	N/A	N/A
7	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target Order SKU (ORDSKU) Table

The following table displays target attributes for the source data being mapped to the Order SKU table (ORDSKU).

#	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	ORDER_NO	The unique identifier for the order	NUMBER	(8,0)	N/A
2	ITEM	An approved, transaction level item	VARCHAR2	25	
3	REF_ITEM	The id of a reference item which can be used instead of using the item field.	VARCHAR2	25	Hardcoded as NULL at Source
4	ORIGIN_COUNTRY_ID	The identifier of the country from which the item is being sourced	VARCHAR2	3	Populated as ORIGIN_COUNTRY_ID of the primary supplier & item combination from ITEM_SUPP_COUNTRY table
5	EARLISET_SHIP_DATE	Earliest Shipment Date	DATE		Populated as EALISET_SHIP_DATE of the header row from ORDHEAD table
6	LATEST_SHIP_DATE	Latest Shipment Date	DATE		Populated as LATEST_SHIP_DATE of the header row from ORDHEAD table
7	SUPP_PACK_SIZE	The supplier pack size for the item on the order	NUMBER	(12,4)	NULL
8	NON_SCALE_IND	Non Scale Indicator	VARCHAR2	1	Hardcoded as 'Y' at destination
9	PICKUP_LOC	Pickup Location	VARCHAR2	45	NULL
10	PICKUP_NO	Pickup Number	VARCHAR2	25	NULL

Field Level Mapping – Source for Order Location (ORDLOC) Table

The following table shows source data mapped to the Order Location (ORDLOC) table.

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	PO_MFQUEUE	ORDER_NUMBER	Order Number	Number	(10,0)
2	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
3	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME QUANTITY PACK_SIZE	Case Volume Quantity Pack Size	Number	8
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target Order Location (ORDLOC) Table

The following table displays source data that is mapped to Order Location table (ORDLOC).

	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	ORDER_NO	The unique identifier for the order	NUMBER	(8,0)	N/A
2	ITEM	An approved, transaction level item	VARCHAR2	25	
3	LOCATION	An active store or warehouse. If multichannel is on, and a warehouse is being order to, a virtual warehouse is expected	NUMBER	(10,0)	A substring is used to drop the "S" prefix that is appended to all RMS store numbers and to drop the "W" prefix that is appended to all RMS warehouse numbers at Source
4	LOC_TYPE	The location type of the location.	VARCHAR2	1	S indicates the destination location is a store at Source W indicates the destination location is a warehouse at Source
5	UNIT_RETAIL	Unit Retail price for item & location combination	NUMBER	(20,4)	Calculated at destination as for non-sellable pack item, build the unit_retail based on component items unit_retail and for non-pack item or sellable pack item, get the unit_retail from item_zone_price
6	QTY_ORDERED	The quantity ordered of item	NUMBER	(12,4)	Non-pack SKUs·: store_order.case_volume x commodity_mapping.pack_size· non_contents_order.quantity x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
7	QTY_PRESCALED	Quantity Prescaled	NUMBER	(12,4)	Populated same as QTY_ORDERED at destination
8	QTY_RECEIVED	Received Quantity	NUMBER	(12,4)	NULL
9	LAST_RECEIVED	Last Received Quantity	NUMBER	(12,4)	NULL
10	LAST_ROUNDED_QTY	Last Rounded Quantity	NUMBER	(12,4)	NULL
11	LAST_GRP _ROUNDED_QTY	Last GRP Rounded Quantity	NUMBER	(12,4)	NULL
12	QTY_CANCELLED	Quantity Cancelled	NUMBER	(12,4)	NULL
13	CANCEL_CODE	Cancellation Code	VARCHAR2	1	NULL
14	CANCEL_DATE	Cancellation Date	DATE		NULL
15	CANCEL_ID	User ID Cancelled	VARCHAR2	30	NULL

	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
16	ORIGINAL_REPL_QTY	Original Replenishment Quantity	NUMBER	(12,4)	NULL
17	UNIT_COST	The cost of the item from the supplier in the order's currency	NUMBER	(20,4)	Populated from ITEM_SUPP_COUNTRY_LOC or ITEM_SUPP_COUNTRY for the combination item/supplier/country/loc.
18	UNIT_COST_INIT	Initial Unit Cost	NUMBER	(20,4)	NULL
19	COST_SOURCE		VARCHAR2	4	Hardcoded as 'NORM' at destination
20	NON_SCALE_IND		VARCHAR2	1	Hardcoded as 'Y' at destination
21	TSF_PO_LINK_NO		NUMBER	(10,0)	NULL

Filtering Conditions

None.

XTSF Header – RMS TSFHEAD Mapping

Data Element Details

Data Type	Data Element Name	Data Description
RMS Subscriber Mapping	Create Transfer Header	Contains Transfer header details

Extracting Program Details

Program Type	RIB Subscriber Adapter
Program Name	RMS Subscriber Adapter
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RMS Database
Source Table(s)/File(s)	STORE_ORDER, STORE, TSF_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	TSFHEAD table
		Target Load Type	N/A

Field Level Mappings – Source

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	TSF_MFQUEUE	TSF_NUMBER	Order Number	Number	(10,0)
2	N/A	N/A	N/A	N/A	N/A
3	STOCKING_POINT	STOCKING_POINT_NUMBER	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	STORE STOCKING_POINT	STORE_CODE STOCKING_POINT_NUMBER	Store Code Stocking Point Number	Varchar2	20
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	STORE_ORDER NON_CONTENTS_ORDER	DELIVERY_DATE	Delivery Date	Date	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	TSF_NO	Number that uniquely identifies the transfer.	NUMBER	(10,0)	N/A
2	FROM_LOC_TYPE	The location type of the from location.	VARCHAR2	1	Hardcoded as “W” at Source
3	FROM_LOC	The location number of the from location.	NUMBER	(10,0)	A substring is used to drop the “W” prefix that is appended to all RMS warehouse numbers.
4	TO_LOC_TYPE	The location type of the to location.	VARCHAR2	1	Hardcoded as “S” which indicates the destination location is a store “W” indicates the destination location is a warehouse.
5	TO_LOC	The location number of the to location.	NUMBER	(10,0)	A substring is used to drop the “S” prefix that is appended to all RMS store numbers and to drop the “W” prefix that is appended to all RMS warehouse numbers.
6	DEPT	The department number associated with the transfer.	NUMBER	(4,0)	Hardcoded as NULL at Source
7	TSF_TYPE	A code indicating the type of transfer (e.g. store requisition, book transfer, etc.).	VARCHAR2	6	Hardcoded as 'AIP' at Source
8	STATUS	A code indicating the status of the transfer (e.g. approved, closed, etc.).	VARCHAR2	1	The transfer will be created in ‘Approved’ status so hardcoded as 'A' at Source
9	FREIGHT_CODE	A code indicating the freight status of the transfer (e.g. normal, expedite, etc.).	VARCHAR2	1	Hardcoded as 'N' at destination
10	ROUTING_CODE	If the freight status is expedite, this is a code indicating more detailed freight info.	VARCHAR2	1	Hardcoded as 'NULL'
11	CREATE_DATE	Transfer Creation Date	DATE		Hardcoded as today's Vdate
12	CREATE_ID	User who created the transfer	VARCHAR2	30	Hardcoded as current logged in User
13	APPROVAL_DATE	Transfer Approval Date	DATE		Hardcoded as today's Vdate
14	APPROVAL_ID	User who approved the transfer	VARCHAR2	30	Hardcoded as current logged in User

	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
15	DELIVERY_DATE	The earliest date the transfer can be delivered.	DATE		N/A
16	CLOSE_DATE		DATE		NULL
17	EXT_REF_NO		VARCHAR2	14	NULL
18	REPL_TSF_APPROVE_IND		VARCHAR2	1	Hardcoded as 'N' at destination
19	COMMENT_DESC	Comments associated with the transfer.	VARCHAR2	300	NULL

Filtering Conditions

None.

XTSF DTL – RMS TSFDETAIL Mapping

Data Element Details

Data Type	Data Element Name	Data Description
RMS Subscriber Mapping	Create Transfer Detail	Contains Transfer detail line of items

Extracting Program Details

Program Type	RIB Subscriber Adapter
Program Name	RMS Subscriber Adapter
Schema File	N/A
Program Frequency	Near Real Time

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP Online	Target Object Type	RMS Database
Source Table(s)/File(s)	STORE_ORDER, STORE, TSF_MFQUEUE, COMMODITY_MAPPING, NON_CONTENTS_ORDER, STOCKING_POINT	Target Object Name	TSFDETAIL table
		Target Load Type	N/A

Field Level Mapping – Source

#	Source Table	Source Table Column	Source Field Description	Data Type	Field Length
1	TSF_MFQUEUE	TSF_NUMBER	Order Number	Number	(10,0)
2	N/A	N/A	N/A	N/A	N/A
3	COMMODITY_MAPPING	RMS_SKU_NUMBER	RMS SKU	Varchar2	25
4	N/A	N/A	N/A	N/A	N/A
5	STORE_ORDER NON_CONTENTS_ORDER COMMODITY_MAPPING	CASE_VOLUME QUANTITY PACK_SIZE	Case Volume Quantity Pack Size	Number	8
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	COMMODITY_MAPPING	RMS_ORDER_MULTIPLE	RMS Order Multiple	Number	8
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A

Field Level Mapping – Target

	Target Data Field Name	Target Field Description	Field Data Type	Field Length	Condition/Format
1	TSF_NO	Number that uniquely identifies the transfer	Varchar2	(10,0)	The transfer number from header row
2	TSF_SEQ_NO	Transfer Line Item Number	Number	(8,0)	Transfer line item number under the current header row
3	ITEM	The unique identifier of the item being transferred.	Number	25	N/A
4	INV_STATUS	A code indicating the inventory status for this transfer detail; valid values are found on the inv_status_types table	Number	(2,0)	Hardcoded as NULL
5	TSF_QTY	The total quantity of the item reserved for this transfer at the from location.	Number	(12,4)	Non-pack SKUs·: store_order.case_volume x commodity_mapping.pack_size· non_contents_order.quantity x commodity_mapping.pack_size Formal Pack SKUs: store_order.case_volume· non_contents_order.quantity
6	FILL_QTY	Fill Quantity	Varchar2	(12,4)	NULL
7	SHIP_QTY	Shipped Quantity	Number	(12,4)	NULL
8	RECEIVED_QTY	Received Quantity	Number	(12,4)	NULL
9	DISTRO_QTY	Distributed Quantity	Number	(12,4)	NULL
10	SELECTED_QTY	Selected Quantity	Number	(12,4)	NULL
11	CANCELLED_QTY	Cancelled Quantity	Varchar2	(12,4)	NULL
12	SUPP_PACK_SIZE	Supplier Pack Size	Number	(12,4)	The AIP SKU-pack size is mapped to the RMS Item and Order Multiple.
13	TSF_PO_LINK_NO	Transfer to PO Link number	Number	(10,0)	NULL
14	MBR_PROCESSED_IND	Member Processed Indicator	Number	1	NULL
15	PUBLISH_IND	Publishing Indicator	Number	1	Hardcoded as 'N'

Filtering Conditions

None.

10

AIP to External System Interfaces

Overview

In addition to the RIB--explained in the previous chapter--AIP provides a second method of communicating Purchase Order and Transfer information to an order procurement system. It is text file based and can be used in place of the RIB for communicating Purchase Orders and Transfers **created and released** in the overnight batch.

> **Note:** This process does not currently support any action take by the User in the Order Management application.

This is the recommended method of integration when large volumes of Purchase Orders and Transfers are expected to be executed each night.

purchase_order.dat.1

Data Element Details

Data Type	Data Element Name	Data Description
Text File	Purchase Orders	New Purchase Orders

Extracting Program Details

Program Type	RETL
Program Name	po_out.sh
Schema File	po_schema.xml
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP	Target Object Type	Delimited Text File
Source Object Type	Delimited Text File	Target Object Name	purchase_order_.dat.1
Source Object Name	PO_MFQUEUE, STORE_ORDER, NON_CONTENTS_ORDER, SUPPLIER, STOCKING_POINT, STORE, COMMODITY, COMMODITY_MAPPING	Target Object Database	N/A
Required/Optional	Optional	Target Object Load Intersection	N/A
		Field Delimiter	|
		Final Delimiter	0x0A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Maximum Field Length
1	PO_MFQUEUE.order_number	Order Number	1	10
2	PO_MFQUEUE.store_order_id PO_MFQUEUE.non_contents_order_id	Unique Order Line Item Identifier	N/A	12
3	SUPPLIER.supplier_code	Unique Supplier Identifier	N/A	20
4	MIN(STORE_ORDER.DELIVERY_DATE), MIN(NON_CONTENTS_ORDER.DELIVERY_DATE)	Delivery Date	N/A	N/A
5	MAX(STORE_ORDER.DELIVERY_DATE) MAX(NON_CONTENTS_ORDER.DELIVERY_DATE)	Delivery Date	N/A	N/A
6	PO_MFQUEUE.STATUS	Order Status	N/A	1
7	N/A	S for Store destination, or W for Warehouse destination	N/A	1
8	STORE.store_code, STOCKING_POINT.stocking_point_number	Unique Identifier for Store or Warehouse destination.	N/A	20
9	COMMODITY_MAPPING.rms_sku_number	Unique SKU identifier	N/A	25
10	COMMODITY_MAPPING.pack_size, STORE_ORDER.case_volume, NON_CONTENTS_ORDER.quantity,	Case Quantity	N/A	N/A
11	COMMODITY_MAPPING.rms_order_multiple	Pack Size	N/A	N/A

Field Level Mapping – Target

	Target Data Field Name	Target Field Description	Field Data Type	Condition/Format
1	ORDER_NO	Unique Order Identifier	String	10000|
2	ORDER_ID	Unique AIP Order Line Item Identifier	String	| (just the delimiter for a Null ID) or a value 1234|
3	SUPPLIER	Unique Identifier with any AIP prefixes removed.	Integer	1000|
4	NOT_BEFORE_DATE	Earliest Expected Delivery Date: YYYYMMDD	Date	20080128|
5	NOT_AFTER_DATE	Latest Expected Delivery Date: YYYYMMDD	Date	20080128|
6	STATUS	Order Status	String	A|
7	LOCATION_TYPE	Destination Location Type—S for Store, W for Warehouse	String	S| or W|
8	LOCATION	Unique Identifier for the Destination with any AIP prefixes removed.	String	2000|
9	ITEM	Unique Identifier of the Product to be Ordered	String	4000000|
10	QTY_ORDERED	Order Quantity in Eaches	Decimal	30|
11	SUPP_PACK_SIZE	Pack Size	Integer	6|

Formatting Conditions

All prefixes added by AIP are removed.

Example of purchase_order.dat.1 Extract File Format:

```
10000||1000|20080128|20080128|A|S|2000|4000000|30|60x0A
```

transfer_order.dat.1

Data Element Details

Data Type	Data Element Name	Data Description
Text File	Transfers	New Transfers

Extracting Program Details

Program Type	RETL
Program Name	tsf_out.sh
Schema File	tsf_schema.xml
Program Frequency	Daily

Data Source and Target Details

Data Source Details		Target Data Details	
Data Origin System	AIP	Target Object Type	Delimited Text File
Source Object Type	Delimited Text File	Target Object Name	transfer_order_.dat.1
Source Object Name	PO_MFQUEUE, STORE_ORDER, NON_CONTENTS_ORDER, STOCKING_POINT, STORE, COMMODITY, COMMODITY_MAPPING	Target Object Database	N/A
Required/Optional	Optional	Target Object Load Intersection	N/A
Field Delimiter	|	Field Delimiter	|
Final Delimiter	0x0A	Final Delimiter	0x0A

Field Level Mapping – Source

#	Source Fields	Source Field Description	Field Start Position	Maximum Field Length
1	TSF_MFQUEUE.tsf_number	Transfer Number	1	10
2	TSF_MFQUEUE.store_order_id TSF_MFQUEUE.non_contents _order_id	Unique AIP Transfer Line Item Identifier	N/A	12
3	STOCKING_POINT.stocking_point _number	Unique source Warehouse Identifier	N/A	10
4	N/A	S for Store destination, or W for Warehouse destination	N/A	1
5	STORE.store_code, STOCKING_POINT.stocking _point_number	Unique Identifier for Store or Warehouse destination.	N/A	10
6	MIN(STORE_ORDER .DELIVERY_DATE), MIN(NON_CONTENTS _ORDER.DELIVERY_DATE)	Delivery Date	N/A	N/A
7	N/A	Routing Code Not available in AIP	N/A	1
8	N/A	Freight Code Not specified in AIP	N/A	1
9	COMMODITY_MAPPING.rms_ sku_number	Unique SKU identifier	N/A	25
10	COMMODITY_MAPPING.pack_size, STORE_ORDER.case_volume, NON_CONTENTS_ORDER.quantity,	Case Quantity	N/A	N/A
11	COMMODITY_MAPPING.rms_ order_multiple	Pack Size	N/A	N/A

Field Level Mapping – Target

	Target Data Field Name	Target Field Description	Field Data Type	Condition/Format
1	TSF_NO	Unique Transfer Identifier	String	10000|
2	ORDER_ID	Unique AIP Order Line Item Identifier	String	| (just the delimiter for a Null ID) or a value 1234|
3	FROM_LOC	Unique Warehouse identifier with any AIP prefixes removed.	Integer	1000|
4	TO_LOC_TYPE	Destination Location Type—S for Store, W for Warehouse	String	S| or W|
5	TO_LOC	Unique identifier for the Store or Warehouse destination with any AIP prefixes removed.	String	2000|
6	DELIVERY_DATE	Expected Delivery Date: YYYYMMDD	Date	20080128|
7	ROUTING_CODE	An optional Routing Code	String	|
8	FREIGHT_CODE	An optional Freight Code	String	|
9	ITEM	Unique Identifier of the Product to be Ordered	String	4000000|
10	TSF_QTY	Transfer Quantity in Eaches	Decimal	30|
11	SUPP_PACK_SIZE	Pack Size	Integer	6|

Formatting Conditions

All prefixes added by AIP are removed.

Example of transfer_order.dat.1 **Extract File Format:**

```
10000||1000|S|2000|20080128|||4000000|30|60x0A
```

11

First Day of AIP

Introduction

The phrase "First Day of AIP" encompasses the steps required to initially load the Enterprise and Merchandise data into AIP for setup of the supply-chain, and replenishment parameter definition. The term 'day' in this phrase does not necessarily correspond to a single calendar day. The 'First Day' process, as defined by this document, and required for the use of AIP, executes the minimal set of steps required to populate an empty database while leveraging the automated supply-chain set up logic.

While this process populates an empty database it is not a 'conversion' process that so often occurs when transitioning off of legacy systems. AIP works in tandem with the merchandising system and the execution of this process will build out the database with the initial Enterprise and Merchandise data. This specific process is only executed for the very initial load of the database however maintenance of the Enterprise and Merchandise hierarchy is a constant, ongoing task.

The goal of this process is to ready the database for automated supply-chain setup as well as manual supply-chain setup and replenishment parameter definition. Its success is pertinent to the ability to complete setup and therefore the system's overall ability to begin replenishment of items.

The following information and procedures are written with the assumption that all AIP components have been properly installed and configured to interact appropriately. See the *Oracle Retail AIP Installation Guide* for details. The necessary environments must exist and be setup as indicated in the *Oracle Retail AIP Implementation Guide*. Also, for more specific instructions and details around the batch process, please reference the *Oracle Retail AIP Operations Guide*.

Overview

The First Day of AIP is little more than the first iteration of the daily AIP batch cycle. It virtually mirrors the cycle but executes only a subset of the daily processes. This document will not only outline the actions to execute the First Day of AIP but will also explain what the process is accomplishing and why. Understanding the goal of the First Day, the reason it is different and how it executes will provide a deeper understanding of the flow of data between AIP and external systems as well as between the two AIP platforms—RPAS and Oracle.

Keeping in mind the goal and purpose of the First Day of AIP will provide the needed insight to clearly understand how the required actions accomplish the goal.

The First Day of AIP Explained

The First Day of AIP has two very clear goals:

- Load the database with Enterprise and Merchandise hierarchy data.
- Enable automated data maintenance to run for the new data being loaded.

Load Data

On a day-to-day basis AIP is synchronized with both the external data coming from the merchandising and forecasting systems and the internal data created on each platform. This must occur on both AIP platforms—RPAS and Oracle. This occurs first in RPAS prior to the replenishment planning calculations. All data required for the replenishment planning calculations are loaded into AIP on the RPAS platform. This means that the data is first extracted out of AIP on Oracle, the merchandising system, forecasting system, etc. for loading into AIP on RPAS. In a daily batch run the RPAS database would be synchronized with

- Enterprise Hierarchy
- Merchandise Hierarchy
- Supply-chain Parameters
- Inventory Positions
- Forecasts
- AIP Supply-chain

Following the data manipulation and replenishment planning on RPAS the plan, hierarchies, and other modified supply chain data is extracted and/or passed from RPAS to the Oracle database. The Oracle database is then synchronized with the latest data passed to, or created by, AIP on RPAS. In a daily batch run the Oracle database would be synchronized with

- Enterprise Hierarchy
- Merchandise Hierarchy
- Supply Chain Parameters
- AIP Supply-chain
- Supply-chain Alerts
- Replenishment Plan
- Order Information (received quantities, closed orders, etc.)

The First Day attempts to follow the same process as the daily batch however only some of the physical supply-chain elements exist, not the complete supply-chain representation. Therefore the first day batch processes must be limited to merely loading the data and setting up the logical connections and replenishment parameters without doing any replenishment planning.

Impact to AIP on RPAS

Since AIP on RPAS is the first part of the AIP application to be synchronized, up to the point of loading the data both the RPAS and Oracle databases are empty with the exception of a minor amount of seed data.

- Where normally there would be data to load from the Oracle database there is none. All logic related to retrieving and loading data from AIP on Oracle will be skipped since there is virtually no data.
- Since the supply-chain is not yet defined in Data Management Online (AIP on Oracle) replenishment will not be run. No replenishment plan is produced.
- Consequently, because replenishment will not be run, all logic related to retrieving and loading the inventory positions and forecasts will not be executed.
- A portion of the automated data maintenance is executed on RPAS. The processes that are triggered by—or identify—new hierarchy elements are executed. The processes that operate on the premise of maintaining existing supply chain data are not executed.

Impact to AIP on Oracle

AIP on Oracle is loaded after AIP on RPAS. The first day load process is quite similar to the daily load process but should account for the fact that the replenishment plan does not exist nor do any past AIP Orders.

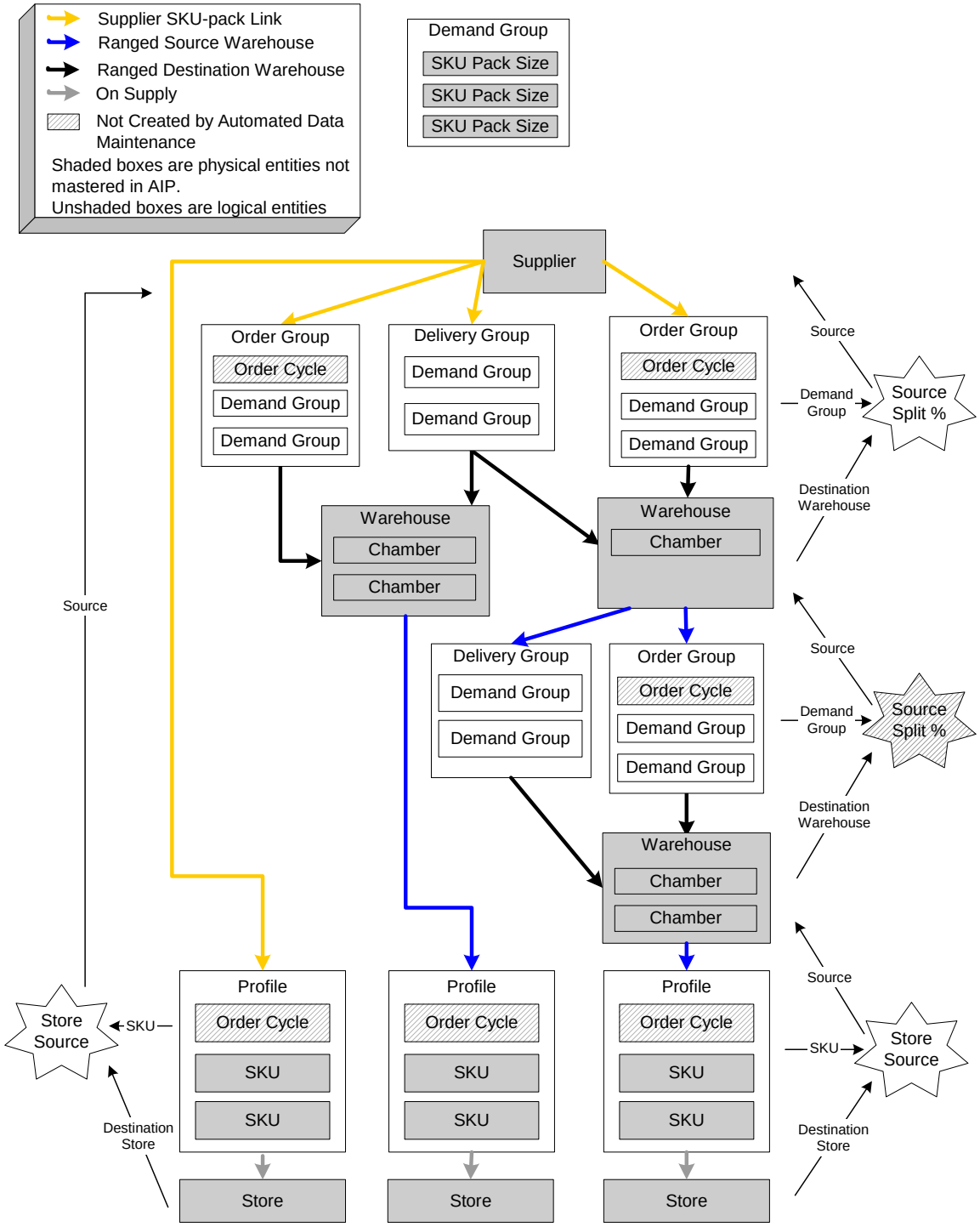
- No received quantities, closed orders, or recycled order numbers are available because no purchase orders or transfers have been executed from AIP.
- No replenishment plan exists to import from AIP on RPAS. Therefore all logic related to retrieving and loading data from AIP on RPAS will be skipped.
- A subset of data setup alerts will be loaded. These alerts pertain to data that is available or created on the first day of AIP.

Note that the export logic is not executed to extract data out of the Oracle database before the first AIP on RPAS load.

Enable Automated Data Maintenance

Automated Data Maintenance constitutes a significant portion of the AIP batch processes that occur on the Oracle platform. It is comprised of a number of processes that not only select default values but also setup a significant portion of the supply chain for new entities—such as suppliers, locations, or items.

The magnitude of these operations—both in terms of saved user effort and the importance of automation—is evident in the diagram below, which provides a detailed outline of the AIP supply chain structure.



AIP Supply Chain Structure Diagram

The AIP supply chain structure diagram lists the physical as well as logical entities of the supply chain which must be defined within AIP. If configured correctly, all logical entities can be created by the Automated Data Maintenance processes with the exception of those noted in the diagram, and the Supplier SKU pack size links.

The diagram provides an easy-to-discern list of needed supply chain elements. For example, by examining this diagram from top to bottom, it can be seen that:

- A source must be connected to a Delivery Group and Order Group for delivery into warehouses and a Profile for delivery into the store.
- The Order Group must be associated with an Order Cycle.
- Demand Groups must be associated with an Order Group and Delivery Group for deliveries from a source to a warehouse-chamber destination.
- Demand Groups must be created for SKU-pack sizes.
- etc.

The diagram illustrates what the First Day of AIP needs to accomplish on the Oracle platform. By fully comprehending each element of the diagram it becomes clear why the first day process should be different for AIP on Oracle and how to maximize the effect of automation while minimizing the amount of extra effort required to enable it.

The full analysis of each element of the diagram is out of the scope of this document however the elements that impact the first day will be examined.

- Order Cycles are required to create Order Groups and Profiles. Order Cycles are not created by Automated Data Maintenance however default Order Cycles are provided as seed data loaded before the Fist Day.
- Warehouse chambers are required to create Order Groups, Delivery Groups, and ranged warehouse/SKU-pack sizes. Chambers are not created by Automated Data Maintenance since there is not a single rule-set that will work for all businesses. It is maintained as a manual process. Automated Data Maintenance could do very little setup the fist day if the First Day process was not altered to accommodate for this fact.

The First Day of AIP Execution

Prior to executing the steps listed below ensure that all installations and configurations are set according to the *AIP Installation Guide*, *RPAS Installation Guide*, and *AIP Implementation Guide*.

The detailed First Day processes that will be executed for AIP on RPAS can be found in the *AIP Operations Guide*.

The First Day execution steps are quite similar to the daily steps however because it is typically when the most new data is introduced the execution time will likely extend beyond a normal batch window.

The First Day of AIP consists of the following main steps:

1. Virtual Date (Vdate)
   - Sets and synchronizes the virtual/notional date across AIP on Oracle and AIP on RPAS.
2. First Day of AIP on RPAS Batch
   - Loads RMS hierarchies into AIP RPAS domain
   - Calculates new hierarchy element alerts
   - Creates specific hierarchy attributes
   - Calculates certain supply chain logical concepts for Online
3. First Day of AIP on Oracle Import
   - Imports hierarchies into AIP on Oracle
   - Full import of all AIP on RPAS exports
   - Automation creates a significant portion of the logical supply chain structure

4. First Day of AIP on Oracle Manual Setup
   - Creation of Warehouse Chambers and assignment of SKU types
5. First Day of AIP on Oracle Automation
   - Executes the entire set of Automated Data Maintenance processes to automatically setup the supply chain.
6. Complete all manual setup of AIP
   - Set AIP on RPAS replenishment defaults and exceptions
   - Set or modify Data Management Online supply chain parameters, defaults, and exceptions.

Step 1: Virtual Date (Vdate)

Step Details

As this is the first time AIP Batch will be run, the Vdate must be set so both AIP on Oracle and AIP on RPAS are in sync. The intention of Vdate is to ensure that the nightly batch processing occurs for a single calendar day and does not need to account for the system date changing calendar days as the clock reaches midnight. Under normal circumstances the Vdate will match SYSDATE when the batch is complete. For the purposes of exporting the data generated by the Automated Data Maintenance processes it is important to set the Vdate to a date that is equal to or greater than the date when all the First Day activities will be completed.

For example, if it is expected that the automation and manual setup will take 2 days to complete for the First Day setup and today is April 1st, 2007, then Vdate should be set to 20070403. This will then allow the Vdate to be set to 20070404 when the first full end-to-end AIP Batch is run.

Step Execution

Run vdate.sh script to set the Vdate in the AIP Oracle database and transfer the value to the AIP RPAS domain.

```
/aip/oracle> vdate.sh set transfer 20070101
```

Step 2: First Day of AIP on RPAS Batch

Step Details

The goal of the First Day of AIP RPAS batch processing is to load all hierarchy elements into the AIP RPAS domain and perform various supply chain setup activities. This step consists of a subset of the daily AIP RPAS batch script steps. Refer to the *AIP Operations Guide* for a detailed list of the steps. The output of these processes is put into flat files to pass to AIP on Oracle. The flat files are loaded into the Oracle database in the next step. Below are the details of this output.

Hierarchy Files

Product hierarchy	prod.dat
Profile hierarchy	prof.dat
Store hierarchy	loc.dat
Supplier hierarchy	hspl.dat
Warehouse hierarchy	whse.dat

Hierarchy Alerts

New SKU Alert	dmx_newprd.dat
New SKU Packsize Alert	dmx_newpsz.dat
New Store Alert	dm0_new.dat
New Supplier Alert	dm0_newspl.dat
New Warehouse Alert	dm1_new.dat

Attributes

Default Warehouse info for Stores	default_wh.dat
Direct-supply flag	dmx_dirspl.dat
SKU Packsize Pack-type	dmx_pcktyp.dat
SKU Packsize Attribute	item_attribute_type.dat
SKU Packsize Attribute Value	item_attribute.dat
Supplier Ship-to info	dmx_shpto_.dat
Warehouse Type info	wh_type.dat
Warehouse Promotional Start Date	dm0_pmsstasrc.dat
Warehouse Promotional End Date	dm0_pmsendsrc.dat
RMS to AIP SKU Map	dmx_rmsskumap.dat

Supply Chain Logical Links

Home Warehouse	dm1_prfhme.dat
Product-Profile Links	dmx_prdprflks.dat
Product-Supplier Links	dmx_prdspllks.dat
Profile Default Order Cycle	dmx_prfdefocy.dat
Profile Links	dm1_prflks.dat
Off-sale	dm0_ofseffdt_.dat
On-sale	dm0_onseffdt_.dat
Store Source	dm0_src_i.dat

Step Execution

The aip_batch.sh control script has a `-f` flag that automatically runs all necessary steps (or the start and end flags can be used as well):

```
/aip/rpas> aip_batch.sh -f
```

- or -

```
/aip/rpas> aip_batch.sh -f -s check_process_external_data \
                           -e auto_build_wkbooks_batch
```

Step 3: First Day of AIP on Oracle Import

Step Details

The First Day of AIP on Oracle import is merely a subset of the complete import that is executed on a daily basis. In addition, there is a pause between the execution of the import and the automation tasks that occur afterward. The pause is required to allow the next step, Step 4, to occur.

Below is a list of the files imported in the Fist Day import.

Hierarchy Import

Description	File name	Import Directory
Product hierarchy	prod.dat	sku_pack
SKU Packsize Pack-type	dmx_pcktyp.dat	sku_pack
SKU Packsize Attribute	item_attribute_value.dat	sku_pack
SKU Packsize Attribute Value	item_attribute.dat	sku_pack
Profile hierarchy	prof.dat	profile
Store hierarchy	loc.dat	store
Default Warehouse for Stores	default_wh.dat	store
Supplier hierarchy	hspl.dat	supplier
Supplier Ship-to info	dmx_shpto_.dat	supplier
Warehouse hierarchy	whse.dat	warehouse
Warehouse Type info	wh_type.dat	warehouse

Data Management Import

New Product Alert	dmx_newprd.dat	alerts
New Packsize Alert	dmx_newpsz.dat	alerts
New Store Alert	dm0_new.dat	alerts
New Supplier Alert	dm0_newspl.dat	alerts
New Warehouse Alert	dm1_new.dat	alerts
Direct-supply flag	dmx_dirspl.dat	direct_suppliers
Direct-to-Store Format Ordering Pack Size	direct_store_format_pack_size.dat	direct_store_format_pack_size

New Product Alert	dmx_newprd.dat	alerts
Direct-to-Store Ordering Pack Size	direct_store_pack_size.dat	direct_store_pack_size
Off-sale	dm0_ofseffdt_.dat	on_supply_off_supply
On-sale	dm0_onseffdt_.dat	on_supply_off_supply
WH-to-Store Format Ordering Pack Size	store_format_pack_size.dat	store_format_pack_size
WH-to-Store Ordering Pack Size	store_pack_size.dat	store_pack_size
Store Source	dm0_src_i.dat	store_source
Home Warehouse	dm1_prfhme.dat	home_warehouse
Product-Profile Links	dmx_prdprflks.dat	assigned_commodity
Product-Supplier Links	dmx_prdspllks.dat	commodity_supplier_links
Profile Order Cycle	dmx_prfdefocy.dat	profile_order_cycle
Profile Links	dm1_prflks.dat	valid_warehouse
RMS to AIP SKU Map	dmx_rmsskumap.dat	sku_map
Warehouse Promotional Start Date	dm0_pmsstasrc.dat	warehouse_promotional_dates
Warehouse Promotional End Date	dm0_pmsendsrc.dat	warehouse_promotional_dates

Step Execution

Perform the following procedure.

1. Set the environment variables for the session.
   ```
   /aip/oracle> . aip_common_online.sh
   ```
2. Retrieve the flat files from the RPAS export directory.
   ```
   /aip/oracle> ${INTEGRATION_HOME}/scripts/fetch_files.sh DM_data AIP-ONLINE
   ```
3. Verify the success of the operation by checking the log files for errors and checking the return value of the last operation.
   ```
   /aip/oracle> echo $?
   ```
4. Import the hierarchy values and attributes.
   ```
   /aip/oracle> ${INTEGRATION_HOME}/scripts/process_aiponline_data.sh -l
   "${INTEGRATION_HOME}/config/import_hierarchy.config"
   ```
5. Verify the success of the operation by checking the log files for errors and checking the return value of the last operation.
   ```
   /aip/oracle> echo $?
   ```
6. Import the measure data.
   ```
   /aip/oracle> ${INTEGRATION_HOME}/scripts/process_aiponline_data.sh -l
   "${INTEGRATION_HOME}/config/import_dm.config"
   ```
7. Verify the success of the operation by checking the log files for errors and checking the return value of the last operation.
   ```
   /aip/oracle> echo $?
   ```

Step 4: First Day of AIP on Oracle Manual Setup

Step Details

In order to achieve the maximum benefit from Automated Data Maintenance the user is required to create warehouse chambers and assign SKU-types to them. These actions occur in the Data Management Online application. Refer to the *Oracle Retail Data Management Online User Guide* or the online Help for details on creating chambers and assigning one or more SKU types.

Step Execution

Log in to Data Management Online. Follow the steps to create one or more chambers for each warehouse. Follow the steps to assign one or more SKU types to each chamber.

Step 5: First Day of AIP on Oracle Automation

Step Details

When configured and executed, Automated Data Maintenance will setup the supply-chain for new Suppliers, new SKU-pack sizes, sister warehouses, and sister stores. The first day this pertains to all suppliers and SKU-pack sizes because all data is new to AIP.

None of the 'maintenance' activities will have an effect because all data is new and therefore no invalid relationships exist. Refer to the *Oracle Retail AIP Operations Guide* for a detailed explanation of the processes executed to setup and maintain the supply-chain.

Note that sister store and sister warehouse automation do nothing the first day.

Step Execution

Perform the following procedure to execute the process.

1. Execute the automation control script.
   ```
   /aip/oracle> ${INTEGRATION_HOME}/scripts/post_import_wrapper.sh
   ```
2. Verify the success of the operation by checking the log files and the return value of the last operation.
   ```
   /aip/oracle> echo $?
   ```

Step 6: First Day of AIP on Oracle Import of Non-critical Alerts

Step Details

The non-critical alerts are informative alerts that identify potential holes in the supply chain. During batch runs subsequent to the First Day these alerts may trigger automated maintenance of certain data in addition to an informative alert visible to the user in Data Management Online.

Step Execution

Perform the following procedure to execute the process.

1. Retrieve the flat files from the RPAS export directory.
   ```
   /aip/oracle> ${INTEGRATION_HOME}/scripts/fetch_files.sh DM_alerts AIP-ONLINE
   ```
2. Verify the success of the operation by checking the log files for errors and checking the return value of the last operation.

```
/aip/oracle> echo $?
```

3. Import the hierarchy values and attributes.

```
/aip/oracle> ${INTEGRATION_HOME}/scripts/process_aiponline_data.sh -l
"${INTEGRATION_HOME}/config/import_dm_alerts.config"
```

4. Verify the success of the operation by checking the log files for errors and checking the return value of the last operation. Note that you will likely see warning messages indicating that some files do not exist. This is expected on the first day.

```
/aip/oracle> echo $?
```

Step 7: Manual Setup of AIP

Step Details

Although the Automated Data Maintenance logic creates the majority of the supply chain representation AIP has various other attributes and exceptions that, if they are to be leveraged, must be manually created. The user can also choose to modify the supply chain created by automation.

The Data Management Online attributes and exceptions that are not created by automation include:

- Planning Groups
- Network Groups
- Planning Horizons (Global default is set at implementation time)
- Singles Enabled SKU
- Store Order Cycle Exceptions
- Non-release Dates and Exceptions
- Non-receipt Dates
- Store Receiving Calendar*
- Direct/Warehouse to Store Pack Size Exceptions (can be loaded)
- Warehouse Coupled Flag
- Warehouse Reconciliation Exceptions
- Push Singles From Warehouse Default and Exceptions
- Stockless Indicator Exceptions
- Receipt to Availability Lead Time
- Shifts and Slots*
- Receiving Windows
- Time Balanced Order Source Splits (partially created by automation)*
- Supplier Locks
- Non Order Dates and Exceptions
- Non Delivery Dates and Exceptions

*Required for replenishment

AIP on RPAS replenishment parameters must be set prior to executing the first full AIP batch run in order for a plan to be generated. The parameters define replenishment methods, tolerances, and other attributes required for generating planned orders.

Note that this setup can occur at any point after Step 2, but must be completed prior to executing a full batch cycle which includes replenishment planning.

Step Execution

Log in to the Data Management Online application. Refer to the *Oracle Retail AIP Data Management User Guide* for a detailed description of how to perform each action.

Log in to the SRP and WRP workbooks. Refer to the *Oracle Retail AIP SRP User Guide* and *Oracle Retail AIP WRP User Guide* for details on building workbooks and modifying the Administration Workbooks.