Requisition Import Functionality

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REQUISITION IMPORT INTRODUCTION

Oracle Purchasing provides a program called Requisition Import (POCIRM) which allows you to import Internal or Standard requisitions from external applications or other Oracle application modules (example: INV, MRP, OM, etc.) This program can be executed manually as a standard report or automatically. It uses the PO_REQUISITIONS_INTERFACE_ALL table as a temporary table where the requisitions will be imported from.

The requisitions on the interface table can be on Approved or on Incomplete status, but there is a minimun of columns (information) that has to be populated otherwise you will get an error. The errors can be display using the Requisition Exception report or querying directly on the PO_REQUISITIONS_ERROR table.

Purchasing automatically validates the data and imports the requisitions. You can import requisitions as often as you want. You can review these requisitions, approve or reserve funds for them if necessary, and place them on purchase orders or internal sales orders.

REQUISITION IMPORT USAGE

Initiate the Requisition Import Concurrent Request

Select a Purchasing Responsibility, i.e. Vision Operations
Menu - Reports - Run

➢   The following parameters will be seen:

Import Source – this LOV drives directly off a distinct clause on interface_source_code in the table.

➢   Import Batch ID – it is possible to break up large groups of records into multiple batches. This is where you would specify the batch to be run. This concept will improve performance immensely. It is possible to run two batches at the same time.
➢   Group By – Determines the grouping of lines on the requisition to be created.

> ➢ Last Requisition Number – Enter the Last Requisition Number that exists in your system. Purchasing increments this number by one to calculate the next requisition number. If the calculated number is already in use, Purchasing selects the next available requisition number. Leave this field blank to automatically get the next available requisition number.
> ➢ Multiple Distributions – The table po_req_interface_dist_all can also be populated with the requisition distribution information. There are situations when the requisition may have associated child records in the distribution tables. If so, this value would be 'Yes'.
> ➢ Initiate Approval After Requisition Import – works as follows – See chart below.

Value in table	Parameter value	Result
Approved	Yes	Req is approved, no call to workflow
Incomplete	Yes	Req is created, workflow is called. Result could be Incomplete, Approved, or In-Process
Incomplete	No	Req is created, and is Incomplete. No call to the workflow for req approval
Approved	No	Has no effect, record in the Interface states Approved, no call to req approval workflow. Req is created as Approved.

Run the requisition Import selecting the corresponding parameters:

Inter-module Interaction

Requisition Import can interact with different Oracle Application Modules. Ie: Inventory, MRP, WIP, OM, etc.

If importing requisitions from Inventory, input a value for the profile option INV: Minmax Reorder Approval. If the value of INCOMPLETE is selected,

the result will be imported Requisitions that require an approval. If the value is APPROVED, then the requisitions cannot be queried in the Requisition entry form; rather, the Requisition Summary form will have to be utilized to view information on the imported approved requisitions.

If importing requisitions from MRP, input a value for the profile option MRP: Purchasing By Revision. This profile option is important if you are using multiple revisions per item and using sourcing rules to create Purchase Orders or Releases. This profile option indicates whether or not to pass on the item revision to the purchase requisition.

Third party Applications

Any third party application needs to populate the interface tables in order to run properly the Requisition Interface. The population of the interface tables must be governed by the rules specified under Oracle Manufacturing - APIs and Open Interfaces Manual, chapter Requisitions Open Interface where is explained what are the mandatory columns for the process in order to be executed correctly. These is the only requirement for third party applications, populate correctly the interface tables in order to execute the requisition import process with success.

INTERFACE TABLE DETAILS

The Requisition Interface table PO_REQUISITION_INTERFACE could be populated in different ways. When requisitions are generated from external applications you normally use custom SQL program or tools like SQL*Loader.

You must complete the following setup steps in Oracle Purchasing to use the Requisitions Open Interface. You must define a Requisition Import Group-By method in the Default region of the Purchasing Options window. For internally sourced requisitions, you must associate a customer with your deliver-to location using the Customer Addresses window. All processing is initiated through standard report submission using the Submit Request window. The concurrent manager manages all processing, and as such it must be set up and running.

There are three different types of data: Required, Derived and Optional. You load requisition lines from your source system or form into the requisitions interface table and/or the requisition distributions interface table. You insert one row for each requisition line that you want to import. You must provide values for all columns that are required. You may also have to provide values for columns that are conditionally required.

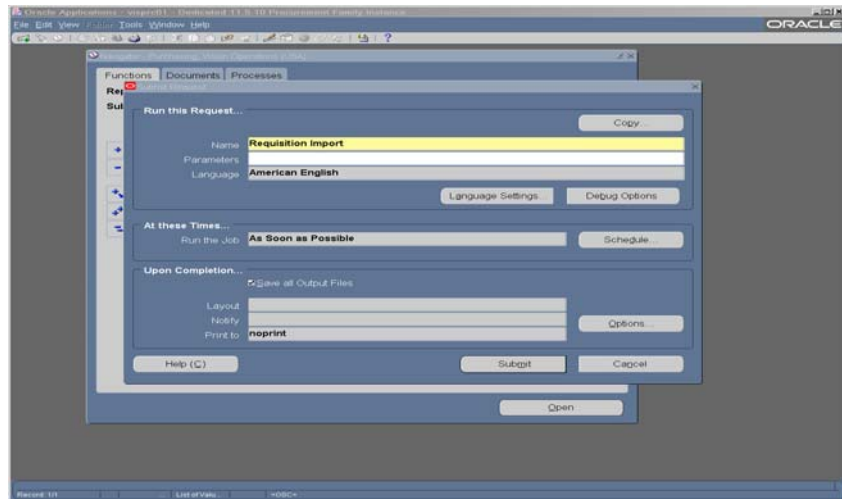## REQUISITION IMPORT EXECUTION

Manual Execution

Navigate to the Submit Request window.

Select Requests In the Type field.

Select Requisition Import in the Name field.

Enter the Import Source. Leave this field blank for all import sources

Automatic Execution

Create Document WorkFlow (WF) is launched by setting WF attribute

'Is automatic doc creation allowed' to 'Yes'

Note.273876.1 How to use fnd_request.submit_request to run POCIRM:

You can automatically import requisitions from other Oracle Applications. You must write the program that inserts a single row into the PO_REQUISITIONS_INTERFACE_ALL and/or the PO_REQ_DIST_INTERFACE_ALL table for each requisition line that you want to import. Then you use the Submit Request window to launch the Requisition Import program for any set of rows.

TROUBLESHOOTING

Note 224025.1 FAQ Requisition Import:

Note 104394.1 Purchasing Template: Requisition Import

Note 221938.1 Oracle Purchasing Requisition Import Activity Test

Exception Report

Oracle Purchasing provides the Requisition Import Exceptions Report, which can be used to diagnose problems with the records, which have currently errored out in the PO_REQUISITIONS_INTERFACE_ALL table.

- Responsibility: Purchasing Super User
- Navigation: Reports/Run, then select Requisition Import Exceptions Report

There is a parameter titled 'Delete Exceptions'. If this is populated with 'Yes', then all records in the PO_REQUISITIONS_INTERFACE_ALL table with a status of 'ERROR' will be deleted when the report is executed. If the parameter is set to 'No', then you will see the errors from the report and be able to manually fix the data in the table, if so desired; then, upon completion of the data correction, run Requisition Import again to process the modified rows in the interface table.

Appendix A - REQIMPORT Diagnostic Script

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The following Information needs to be provided if opening a tar with Oracle Support:

1. Versions of Reqimport files.

   strings POCIRM | grep -i '$Header: poci'

   POXSRCDB.pls in $PO_TOP/patch/115/sql (Also get the version from the Database)

   MRPSAPIB.pls in $MRP_TOP/patch/115/sql (Also get the version from the database)

2. Reqimport trace files and log file.

Set the profile 'PO: Set Debug Concurrent ON' to 'Yes'

- Trace the process - you can do this by moving to the report definition

System Administrator, navigate Concurrent > Program > Define- Query on the program by entering POCIRM under the executable section

- Choose the checkbox to enable trace.

Reload the interface and retest the problem.

The trace can be retrieved from the database server, where it resides in the

result of the following:

SQL> select value from v$parameter where name like 'user_dump_dest';

. Tkprof the trace file generated

TKPROF xxx.trc xxx.out record=xxx.rec

Check for reference to 'PO_REQUISITIONS_INTERFACE' and 'PO_INTERFACE_ERRORS' in the trace files.

Check for ORA- Errors in the generated log file

3. Run the Requisition Import Exceptions Report.

4. Provide the Values of the following profiles.

- 'MRP: Purchasing by Revision'

- 'INV: Purchasing by Revision'

5. If sourcing is a problem then is sourcing happening when you manually create a requisition for the Item?

6. If there is a Issue related with Tax please also get the Tax Log.

  To get the tax log follow the steps below.

  Step 1:

  Set Profile Option 'Tax: Debug File Directory'

  Set the profile option 'Tax: Debug File Directory' to a server side directory

  where a file that contains log messages will be created. You can set this profile

  option only at the site level.

  Note: The directory must be set as the value of one of the Oracle initialization

  parameters, 'UTL_FILE_DIR'. To see the current value of UTL_FILE_DIR, issue the

  following sql in the apps schema:

  Select value from v$parameter where name='utl_file_dir'

  If this parameter does not contain a value, modify the initialization parameter

  file init<db_name>.ora to add the parameter and a value for it(where <db_name>

  is the name of your database).

Step 2:

Set Profile Option Tax: Debug Flag

Set the profile option 'Tax: Debug Flag' to 'Yes to create a file with debugging

information. Set this profile option at the user level. A log file called

<USERNAME>.log will be created in the directory specified by the profile option

'Tax: Debug File Directory (where <USERNAME> is your login username).

Note: The form should be closed after the transaction is saved.

7. Verify what is in the database

Please run the following queries and upload the results to metalink - in EXCEL format and including the column names.

In the interface table before you execute the REQIMPORT:

select * from PO_REQUISITIONS_INTERFACE_ALL

where interface_source_code = upper('&SOURCE');

Values for the source, could be: WIP, INV, MSC, ORDER ENTRY, MRP....etc.

Please enter the correct source.

-After you execute the REQIMPORT.

po_requisition_headers_all, po_requisition_lines_all and Po_requisition_distributions_all

Appendix B - TOP 10 - COMMON ISSUES

1. Note 315854.1 Account Generator Not Called In The Reqimport Process
2. Note 364925.1 Requisition Import Performance Issue After 11.5.10 Upgrade
3. Note 1052184.6 Requisition Import Parameter Import Source Lov Contains No Values
4. Note 358659.1 Unable To Import Approved Requisitions
5. Note 309684.1 Reqimport For Drop Shipments Failing With Invalid Buyer
6. Note 369870.1 Requisition Import From Kanban Failed To Import Any Records
7. Note 1077828.6 Requisition Import From Min/max Failed To Import Any Records
8. Note 238493.1 11i Po Item Revision Not Populating Onto Requisitions From Min-max Planning
9. Note 238210.1 Reqimport - Requisition Import Gl Date Is Not In A Valid Period
10. Note 188073.1 Pocirm - Requisition Import Fails On Unit_price Field After Upgrade From 11.5.2 To 11.5.5

Appendix C – Frequently Asked Questions for REQIMPORT

1. Note:378306.1 FAQ Requisition Import

Appendix D - Enhancement Request already logged for REQIMPORT

1. Bug 4880216 - Better Error Handling For REQIMPORT To Indicate Unusable Indexes.

2. Bug 3977875 - Provide A Form To View, Correct And Resubmit Failed Rows From REQIMPORT Process.

3. Bug 3516579 - REQIMPORT Fails With CHARGE_ACCOUNT_ID Charge Account Is Invalid.

Requisition Import Conclusion

We hope this white paper help you to understand the basic functionality of Requisition Import program. You can also review the following documentation for more details:

Oracle Purchasing User's Guide Release 11i - Requisition Import Chapter Part No. A82912–04.

Oracle Manufacturing APIs and Open Interfaces Manual, Release 11i Requisitions Open Interface Chapter - Part No. A95955-03.

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