



Setting up RAM Export on OpenVMS

Revised October 25, 2013 – Chad Carson, LACA (ccarson@laca.org)

Overview

The following guide walks an ITC OpenVMS system manager through the one-time setup needed in UDMS to create automated Requisition export files for RAM, as well as setting up DECNET to transfer the files to LACA.

This guide assumes the following:

1. The reader has experience with OpenVMS and USAS.
2. Your ITC already has UDMS installed on an OpenVMS system.
3. Your ITC already has current SSDT USAS Data Definitions for UDMS installed.

Get an OECN_xxxx Account from LACA for DECNET Transfer

You will need an account on LACA's OpenVMS Alphaserver to do the DECNET transfer of files to LACA. Please contact LACA and provide your Alpha's external IP address. LACA will need to open port 399 through the firewall from that IP address to allow the DECNET transfer.

Once you have the account, you can test by typing :

```
$ SET HOST LACA0
```

This should present a "Username:" prompt. If not, try:

```
$ SET HOST 208.108.136.6
```

If this doesn't work, there may still be a firewall issue.

If you get a username prompt, go ahead and log in with the username and temporary password provided by LACA. Change your password to something of your own choosing by typing:

```
$ SET PASSWORD
```

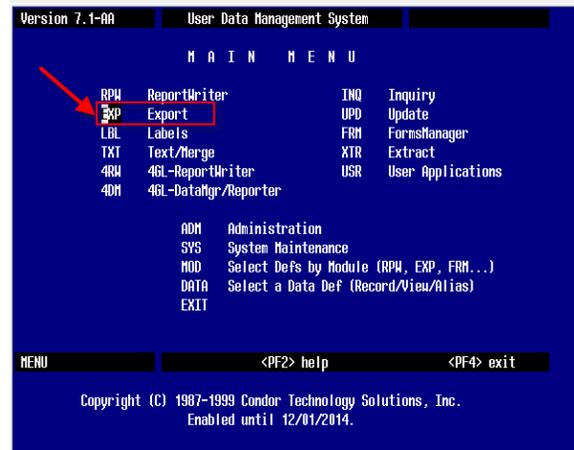
Creating the RAM_EXPORT Export Definition in UDMS

This is a one-time setup of a new export definition, defining what fields to export out of UDMS.

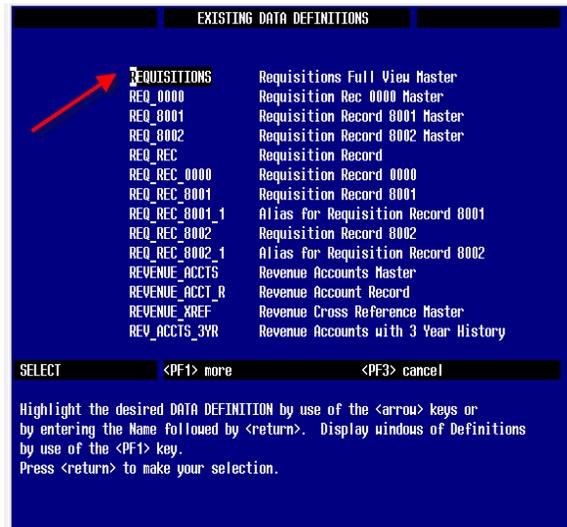
1. Start your menu-based interface to UDMS, and go to "EXP - Export".

Example:

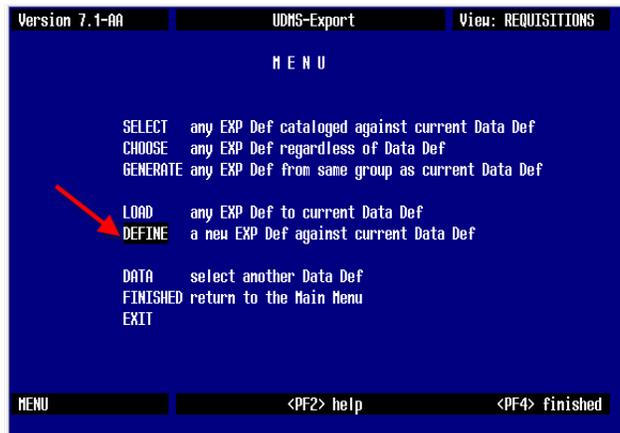
```
$ RUN UDMS_EXE:UDMSBOOT.EXE
```



2. Select "REQUISITIONS" from the existing data definitions.



3. Select "DEFINE" to create a new export definition using the REQUISITIONS data definition.



```

Exp: RAM_EXPORT      EXPORT DEFINITION      View: REQUISITIONS

                EXPORT  DESCRIPTOR

1. Export Name      : RAM_EXPORT
2. Description      : Export Requisition Data to RAM
3. Access Level    : 3
4. Access Password  :
5. Definition Modify Level : 3

DEFINE                <PF2> help  <PF3> cancel  <PF4> finished

```

4. Give the new export a name and description of your choosing. NOTE: RAM_EXPORT will be the name used throughout this guide). Give access level of "3", blank password, and Definition Modify Level of "3".

Hit PF4 (or equivalent key) when finished.

```

Exp: RAM_EXPORT      EXPORT DEFINITION      View: REQUISITIONS

Export Fields:      EXPORT FIELD SELECTION

Data Fields        Record      DspLen Typ Key
1 REQUISITION_NUMBER      : REQ_REC      8 AN P.1
2 REQUISITION_LINE_NUMBER_RED : REQ_REC      4 AN P.2
3 REQUISITION_QUANTITY    : REQ_REC      9 NU
4 REQUISITION_ITEM        : REQ_REC      10 AN
5 REQUISITION_UNIT_OF_MEASURE : REQ_REC      6 AN
6 REQUISITION_DESCRIPTION  : REQ_REC      30 AN

                <PF3> cancel

Select the FIELDS to be included in the Export.

SELECTED fields
ALL fields

```

5. Choose "ALL fields". We only use 41 out of 45 available fields, but it is easier to add all 45, then go back and delete 4 of them, rather than add all 41 fields individually.

```

Exp: RAM_EXPORT      EXPORT DEFINITION      View: REQUISITIONS

1 REQUISITION_NUMBER
2 REQUISITION_LINE_NUMBER_RED
3 REQUISITION_QUANTITY
4 REQUISITION_ITEM
5 REQUISITION_UNIT_OF_MEASURE
6 REQUISITION_DESCRIPTION

Export Fields: 45      EXPORT FIELD SELECTION

Data Fields        Record      DspLen Typ Key
1 REQUISITION_NUMBER      : REQ_REC      8 AN P.1
2 REQUISITION_LINE_NUMBER_RED : REQ_REC      4 AN P.2
3 REQUISITION_QUANTITY    : REQ_REC      9 NU
4 REQUISITION_ITEM        : REQ_REC      10 AN
5 REQUISITION_UNIT_OF_MEASURE : REQ_REC      6 AN
6 REQUISITION_DESCRIPTION  : REQ_REC      30 AN

FIELD SELECT MENU                <PF3> cancel  <PF4> finished

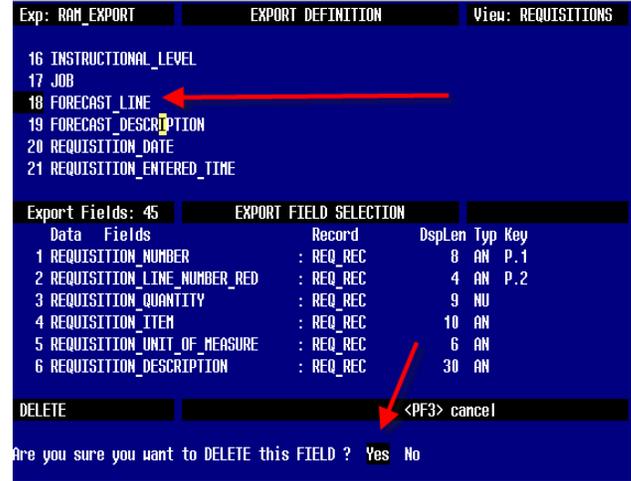
ADD a Field      REVIEW the Fields      CANCEL
INSERT a Field   CLEAR all Fields        FINISHED
DELETE a Field

```

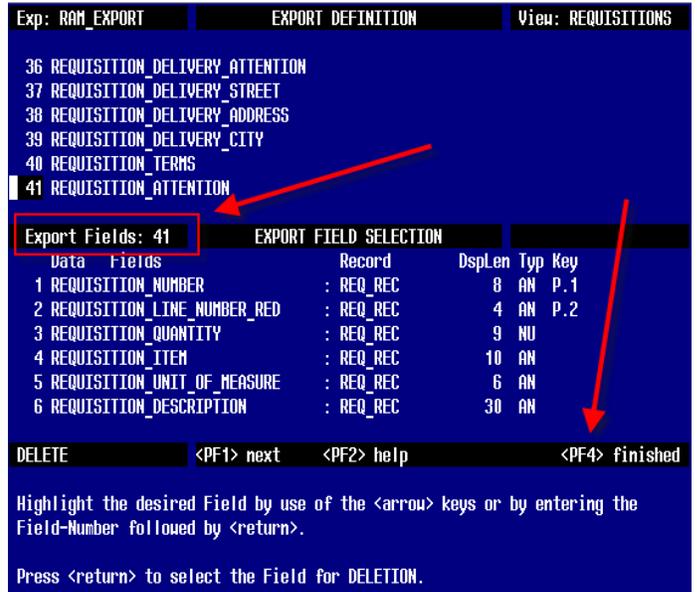
6. Now choose "DELETE a field" so we can remove the un-needed fields.

7. Delete the four fields listed below by using the down arrow to the field to be deleted, hit ENTER, then answer "YES" when prompted.

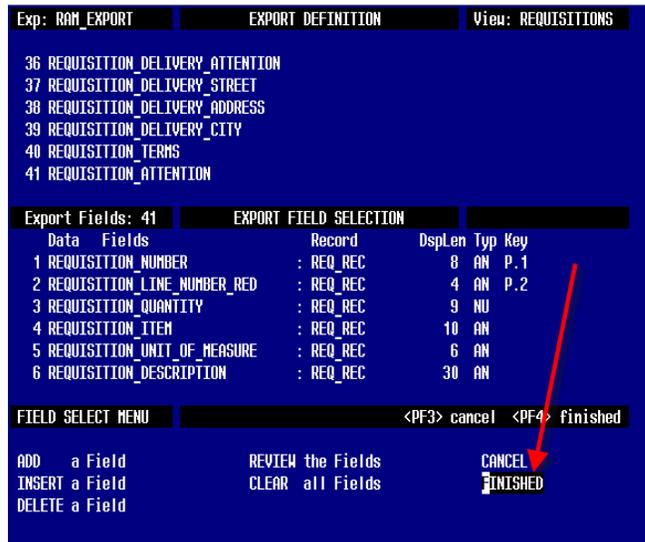
- FORECAST_LINE
- FORECAST_DESCRIPTION
- REQUISITION_APPROVAL_STATUS
- REQUISITION_WORKFLOW_CONTEXT



8. Hit PF4 when done. There should be 41 export fields listed. See Appendix A in this document for a complete list of fields, their order, and their size (if you want to do a detailed comparison).



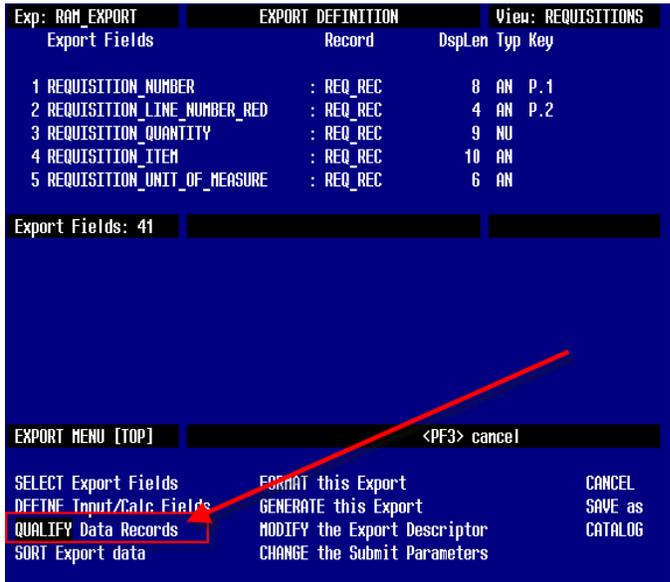
9. Hit "FINISHED" when all fields have been selected.



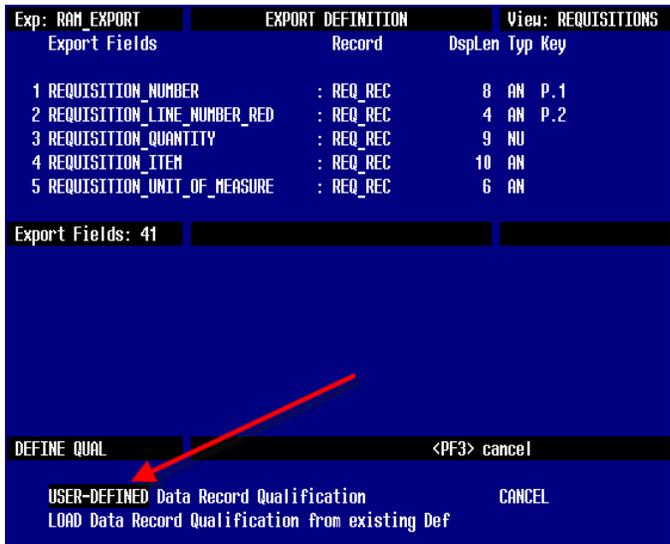
10. Add Qualifiers. You only want to export records where the following conditions are met:

- REQUISITION_PO_NUMBER equals zero
- REQUISITION_TYPE does not equal "T" (T indicates a Template, not a true requisition, so we exclude it)

Choose "QUALIFY Data Records".



11. Choose "USER-DEFINED".



12. Add the following two lines:

LINE 1

Comparison Field = REQUISITION_PO_NUMBER

Comparison Operator = EQ

Constant = 0

And/Or = AND

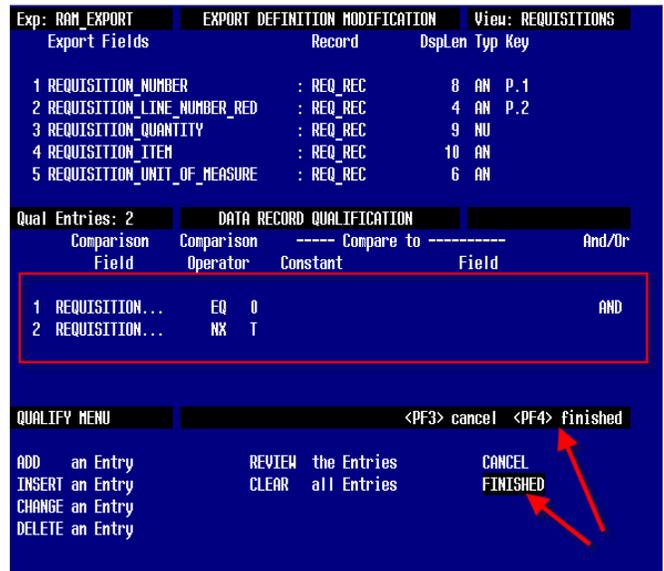
LINE 2

Comparison Field = REQUISITION_TYPE

Comparison Operator = NX

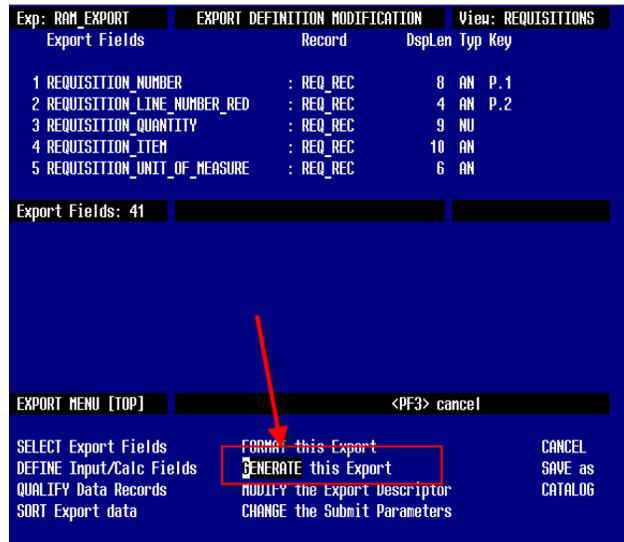
Constant = T

Hit PF4 when finished, then choose "FINISHED".



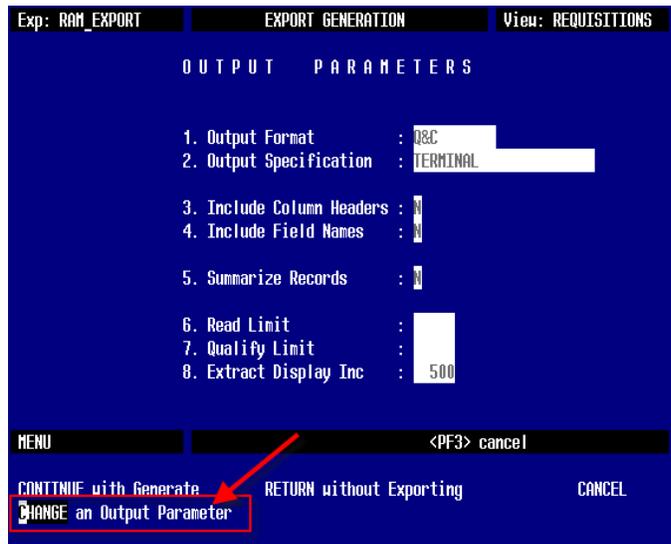
13. Set Export Parameters.

The file needs to be in a TAB delimited format instead of the default of “Quotes and Commas”. To set TABS as the default export method, select “Generate this Export”



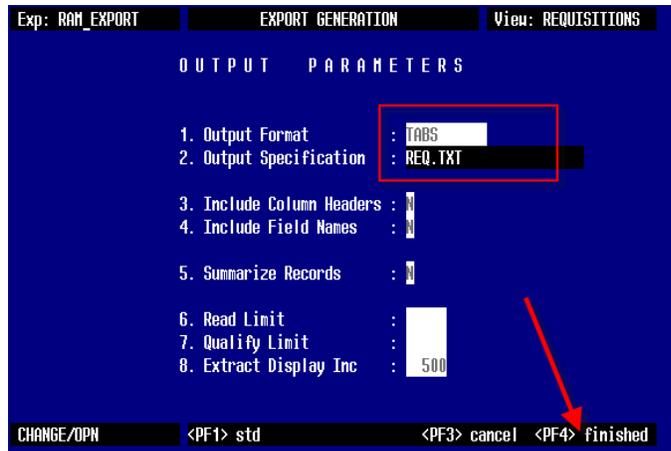
14. Choose “Change an Output Parameter”.

We want to set Q&C (Quote and Comma) to be TABS, and the output specification to a generic file name.



15. Type TABS in the Output Format.

Type REQ.TXT in the Output Specification
Hit PF4 when finished.



16. Choose "RETURN without Exporting".

Exp: RAM_EXPORT EXPORT GENERATION View: REQUISITIONS

OUTPUT PARAMETERS

1. Output Format : TABS
2. Output Specification : REQ.TXT
3. Include Column Headers : N
4. Include Field Names : N
5. Summarize Records : N
6. Read Limit :
7. Qualify Limit :
8. Extract Display Inc : 500

MENU <PF3> cancel

CONTINUE with Generate RETURN without Exporting CANCEL
CHANGE an Output Parameter

17. **VERY IMPORTANT STEP!!** Make sure to choose "CATALOG" to save all the changes you just made to the new RAM_EXPORT export. This is the same as choosing "SAVE", UDMS just uses the term "CATALOG" instead.

Exp: RAM_EXPORT EXPORT DEFINITION View: REQUISITIONS

Export Fields	Record	DspLen	Typ	Key
1 REQUISITION_NUMBER	: REQ_REC	8	AN	P.1
2 REQUISITION_LINE_NUMBER_RED	: REQ_REC	4	AN	P.2
3 REQUISITION_QUANTITY	: REQ_REC	9	NU	
4 REQUISITION_ITEM	: REQ_REC	10	AN	
5 REQUISITION_UNIT_OF_MEASURE	: REQ_REC	6	AN	

Export Fields: 41

EXPORT MENU [TOP] <PF3> cancel

SELECT Export Fields FORMAT this Export CANCEL
DEFINE Input/Calc Fields GENERATE this Export SAVE as
QUALIFY Data Records MODIFY the Export Descriptor CATALOG
SORT Export data CHANGE the Submit Parameters

RAM_EXPORT.COM Command Procedure to Generate Output File

The following sample command procedure uses the Export Definition created above to generate a TXT file of Requisition information. In this example, the name of the district is "Sample Local Schools" and they use a two letter district code of "SA". We recommend using the name RAM_EXPORT.COM for this command procedure.

The output file created by the UDMS export must be named XX_REQ.TXT where XX is a unique two letter code identifying the district. This code does NOT have to match what you use in USAS, but it does have to be unique for each district using RAM.

There are only two areas in this COM procedure that need to be updated:

1. The line with SETUPENV XX must be modified with the district code (or substitute your own method of setting OECN\$DTA logicals)
2. The line with <OUTPUT> XX_REQ.TXT must be modified with the district code.

```
$!*****
$!* BEGIN : SAMPLE LOCAL SCHOOLS
$!*****
$!
$! Run setupenv to point the the correct district
$!
$ setupenv SA
$ say = "write output_file"
$!
$! Create a temporary file of parameters to be fed to the OECN$IFD_UDMS.COM file.
$!
$ open/write output_file ram_export.tmp
$ say "$ set noon"
$ say "$ on control_y then goto done"
$ say "$on error then $continue"
$ say "$ set verify"
$ say "$ oecn$ifd_udms sys$input"
$ say "<UDMS_DCT>USAS"
$ say "<UDMS_TYPEAHEAD>EXP REQUISITIONS SEL RAM_EXPORT GEN CONT"
$ say "<INPUT_CNT>0"
$ say "<OUTPUT>SA_REQ.TXT"
$ say "<>"
$ say "$eod"
$ say "$done:"
$ say "$set noverify"
$ say "$ exit"
$ close output_file
$!
$! Execute OECN$IFD_UDMS.COM using the parameters file created above.
$!
$ @oecn$:oecn$ifd_udms.com sys$disk:[]ram_export.tmp
$!
$! Delete the temporary parameters file
$!
$ delete/noconfirm/nolog req_exp.tmp;
$!*****
$!* END : SAMPLE LOCAL SCHOOLS
$!*****
```

Replicate this block of code above for each district that is being exported to RAM (you can have them all in one big RAM_EXPORT.COM procedure).

At the very bottom of the RAM_EXPORT.COM file, after all of the district extracts are done, you will need to add a command to copy the xx_REQ.TXT files that are generated over to LACA0. Use the command below, and replace <itc> with your ITC name and <your password> with your OEcn_<itc> account password on LACA0.

```
$ COPY *_REQ.TXT LACA0"OEcn_<itc> <your password>":UTILITY:[OEcn_<itc>]
```

You may need to add a drive/path to the *_REQ.TXT files if they are being generated to another location on your system.

Also, if you had to use the SET HOST 208.108.136.6 command to get access to LACA, you will need to replace LACA0 with the IP address:

```
$ COPY *_REQ.TXT 208.108.136.6"OEcn_<itc> <your password>":UTILITY:[OEcn_<itc>]
```

Appendix A: List of Fields Used in Ram Export from UDMS

The field names shown are from the UDMS REQUISITIONS view. In the output file, fields must be in the order indicated below, must be fixed width and must be tab-delimited.

Field Number	Description	Fixed Width Size
1	REQUISITION_NUMBER	8
2	REQUISITION_LINE_NUMBER_RED	4
3	REQUISITION_QUANTITY	9
4	REQUISITION_ITEM	10
5	REQUISITION_UNIT_OF_MEASURE	6
6	REQUISITION_DESCRIPTION	30
7	REQUISITION_PRICE	13
8	REQUISITION_TOTAL	13
9	TRANSACTION_INDICATOR	2
10	FUND	3
11	FUNCTION	4
12	OBJECT	3
13	SCC	4
14	SUBJECT	6
15	OPERATIONAL_UNIT	3
16	INSTRUCTIONAL_LEVEL	2
17	JOB	3
18	REQUISITION_DATE	8
19	REQUISITION_ENTERED_TIME	9
20	REQUISITION_VENDOR_NUMBER	6
21	NAME_1	30
22	NAME_2	30
23	ADDRESS_1	30
24	ADDRESS_2	30
25	CITY	20
26	STATE	15
27	ZIP_CODE	10
28	REQUISITION_DELIVERY_DATE	8
29	REQUISITION_PO_DATE	8
30	REQUISITION_PO_NUMBER	7
31	REQUISITIONER	20
32	REQUISITION_DELIVERY_NAME	24
33	REQUISITION_TYPE	2
34	REQUISITION_ROUTING_CODE	3
35	REQUISITION_ROUTING_STATUS	5
36	REQUISITION_DELIVERY_ATTENTION	24
37	REQUISITION_DELIVERY_STREET	24
38	REQUISITION_DELIVERY_ADDRESS	24
39	REQUISITION_DELIVERY_CITY	28
40	REQUISITION_TERMS	22
41	REQUISITION_ATTENTION	21

RAM Export from UDMS – List of Fields NOT Used

The following fields from the UDMS Definition for REQUISITIONS are NOT used in the RAM export.

1. FORECAST_LINE
2. FORECAST_DESCRIPTION
3. REQUISITION_APPROVAL_STATUS
4. REQUISITION_WORKFLOW_CONTEXT