Manman to Microsoft Toolbox

User Manual

Manman to Microsoft Toolbox

Contents

Manman to Microsoft Toolbox Features
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The Manman to Microsoft Toolbox is designed to help your company
with your data extraction, data conversion, and archiving
requirements. It provides you with two easy to use functions:

1) A high-speed Manman to flat delimited file extract process.
2) An automatic Microsoft Access (or Excel) import routine.

Here is how it works....

You run a utility on the HP3000, and all or a selected portion of
your Manman data is converted to flat ASCII delimited text files.
The files are easily downloaded from your HP3000 to your Windows
platform.

We provide you with a Windows program that you launch on your PC,
which automatically reads the files and builds a replica of the
Manman databases in Microsoft Access. All with a few clicks of
your mouse. The file names, field names, date reformatting,
and data integrity is built in.

The Access databases are as close to the 'same format' as the native
Image databases in Manman. Just one way of trying to keep things
consistent. A user can pick up the Manman database guide and still
have a reference as to where the data is, and what it means.

The delimited files you create can also be imported into Excel,
SQL, or other Windows databases and tools.

 Benefits of the Manman to Microsoft Toolbox:

  - Easy Extract Capability - A typical data migration calls for
    moving Manman information from the HP3000 to a new server.
    This product will save time in formatting the hundreds of
    fields, dates, and files in the Manman Image databases into
    an ASCII delimited format.

  - Easy Import Capability - The delimited files are automatically
     converted into a complete MS Access Database, or another data
     format. You can create your own extracts, filter, view, do
     custom reporting, etc.

  - Archive and Inquire upon your Manufacturing Transaction Logs
     Transaction Log records are not easily read, reformatted, and
     archived. The Manman to Microsoft Toolbox accomplishes this,
     and calculates and stores monthly Usage information for each
     part. Don't purge your transaction log records - move them to
     a Windows platform.

Installation Instructions
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1) Restore the files from the tape on to your HP3000 system.
   Log on as MANAGER.SYS and enter the file equation:

   FILE T;DEV=TAPE

   Restore the tape by entering the command:

   RESTORE *T;@.SUMMIT.MMV110;SHOW;CREATE

   This presumes you are running Manman release 11. If you are
   running a different Manman release substitute MMV110 for the
   account your code resides in (ie. MMV090) for the remainder
   of the installation instructions.

2) Grant the MMV110 Account the capabilities it needs for the
   extract programs to run.

:ALTACCT MMV110;CAP=+PM

3) Grant the SUMMIT group the capabilities it needs for the
   extract programs to run.

:ALTGROUP SUMMIT.MMV110;CAP=IA,BA,MR,DS,PH,PM;ACCESS=(R,W,A,L,X,S:ANY)

4) Understanding where the Extract Files will be Created.

When you run the extract processes on the HP3000, the files are
created in your home (or local) group.

Although you do not have to, it is recommended you create a
seperate group on the HP3000 for the different sets files are
created. The Manman to Microsoft Toolbox consists of 7 distinct
extracts.

Manman to Microsoft Toolbox Manufacturing
1.   MANUFACTURING   (MANDB/RESDB)
2.   PURCHASING   (PURDB/VNDDB)
3.   TRANSACTION LOGS

Manman to Microsoft Toolbox Omar and Financials
4.   OMAR   (FINDB/TABDB)
5.   SHIPPING HISTORY (HISDB)
6.   ACCOUNTS PAYABLE (PAYDB/VNDDB)
7.   GENERAL LEDGER   (GLDB)

The Group names (directories) on the HP3000 that we recommend that
you create and will be using through this manual are as follows:

    1.   MGFILES   (manufacturing)
    2.   PUFILES   (purchasing)
    3.   TLFILES   (transaction logs)
    4.   OMFILES   (omar)
    5.   HSFILES   (shipping history)
    6.   APFILES   (accounts payable)
    7.   GLFILES   (general ledger)

To create these Groups, Logon to the Account your Manman databases
reside in. For example,

:HELLO USERNAME.MANMAN

Then issue the following command to build your Groups

:XEQ BLDGROUP.SUMMIT.MMV110

The BLDGROUP command file executes the 7 statements below. If you
want your extract files created in different Groups, or on specific
HP3000 volume sets do the NEWGROUP commands manually.
    :NEWGROUP MGFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP PUFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP TLFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP OMFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP HSFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP APFILES;ACCESS=(R,W,A,L,X,S:ANY)
    :NEWGROUP GLFILES;ACCESS=(R,W,A,L,X,S:ANY)

Running the Manman Extract Processes

The purpose of this section is to give you a general overview of
the Manman extract processes on the HP3000.

Here are some things to know before you run the extract programs.

1)   The Extract programs are designed to be run from the colon prompt.
     There are 2 extract programs:

     :RUN EXTRACTM.SUMMIT.MMV110   (Manufacturing)
     :RUN EXTRACTF.SUMMIT.MMV110   (Omar and Financials)

2)   Each Extract program creates a series of flat ASCII files on
     the HP3000.   The flat files created are named the same as the
     dataset they are derived from.   For example, here are the files
     created by the Manufacturing database extract.

     :CHGROUP MGFILES
     :LISTF

     FILENAME

     ACCTXREF   ASSEMB   CCFIL   DEPTREC   DFACFIL   ECOCMT
     ECOMAS   ECOREC   EXTDFIL   FAMLNK   IM   INTFIL
     INVFIL   INVLMAS   LDFIL   MPSPLAN   MRPPLAN   NCFIL
     ODF   OWOF   PSF   TCFIL   TRFIL   WCFIL
     WOSHT   WOTR

3)   Each extract file will contain 'every' field in the dataset.   This
     will allow you to continue to use your Manman database guide as a
     reference for where the field resides and what its definition is.

4)   The extract files created will reside in your local Group on
     the HP3000.   Therefore, it is recommended that you log on in
     a Group that is empty, and specific to where you want the files
     to reside.   This will help you with your file transfer to the
     Windows platform.   For example,

     :CHGROUP MGFILES   -or-   :HELLO MANAGER.ACCOUNT,MGFILES
     :PURGE @
     :RUN EXTRACTM.SUMMIT.MMV110

Manman to Microsoft Toolbox Manufacturing

The EXTRACTM program is used to create flat ASCII files from the
Manman Manufacturing module. Before executing the EXTRACTM
program, it is recommended that you log on to a Group on the
HP3000 that is empty. For example:

```
: CHGROUP PUFILES
: RUN EXTRACTM.SUMMIT.MMV110
```

The EXTRACTM program will allow you to select 'all' of your
Manufacturing records or a subset of your Manufacturing records.
It is recommended that you work with a subset of your Manufacturing
data initially, until you have your extract, file transfer, and
Windows Import processes working effectively.

A subset of the Manufacturing (MANDB) records can be extracted
based on an Item Master Class Code. This can be either class code
group 1,2,3 or 4. Upon selecting the Item Master records associated
with the class code, additional item master records may also be
included that have the following attributes:

1) Have a bill of material relationship with the original item
   master records selected.
2) Are associated with work order records that the original
   item master records selected also are.

A subset of the Purchasing (PURDB) records can be extracted based
on purchase order date entered. You will be allowed to enter
a 'start' and 'end' date for purchase orders added.

A subset of the Transaction Log records, can be extracted based
on the standard Manman Transaction Log selection of date or
Transaction Log file name/number.

Prompts

The following are the prompts in the EXTRACTM process.

```
WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.   MANUFACTURING  (MANDB/RESDB)
2.   PURCHASING     (PURDB/VNDDB)
3.   TRANSACTION LOGS
OPTION(1)?
```

After answering the prompt above, you will be asked where the
Manufacturing database resides. This prompt will not appear
if you have previously logged on to Manman during your session,
as you will have a JCW set and it will 'know' what Manman

database you are using.

MANUFACTURING DATA BASE NUMBER (0)?
Answer with a value between zero and 99.

If you selected extract option 1, Manufacturing, the following
prompt will appear:

    CLASS CODE OPTION:
    1.   EXTRACT ALL CLASS CODES
    2.   EXTRACT A SELECTED CLASS CODE
    OPTION(2)?

    Select option 1 to extract the 'entire' Manman Manufacturing
    database.   Be advised that the 'all class codes' option will
    have a tangible run time.

    If you choose option 2, to select a subset of records
    based on Item Master Class Code, the following prompts will
    appear:

        SELECT PARTS BASED ON WHICH CLASS CODE GROUP (1,2,3,4)?
        Answer with a value between 1 and 4.

        CLASS CODE?
        Enter a valid item master class code.

If you selected extract option 2, Purchasing, the following
prompt will appear:

    PURCHASE ORDER DATE OPTION:
    1.   EXTRACT ALL PURCHASING DATA RECORDS
    2.   EXTRACT PURCHASE ORDERS ADDED DURING A RANGE OF DATES
    OPTION(2)?

    Select option 1 to extract the 'entire' Manman Purchasing
    database.

    If you choose option 2, the following prompts will appear:

        ENTER BEGINNING PURCHASE ORDER ADD DATE IN (YYYYMMDD) FORMAT?
        ENTER ENDING   PURCHASE ORDER ADD DATE IN (YYYYMMDD) FORMAT?
        Enter a range of dates in YYYYMMDD.   The selection is made
        on the POADD date field in the POMAS dataset.

If you selected extract option 3, Transaction Logs, the following prompts will appear:

CALCULATE MONTHLY PART USAGE AFTER EXTRACTING
THE TRANSACTION LOGS (N)?   *
One of the benefits to the Transaction Log extract function is
that an additional extract file can be created which will store
a monthly record (January to December) for 4 years on what a
part's usage is. By responding "Y" to the prompt above, an
additional process to build this file will be launched at the
conclusion of extracting and reformatting the transaction log
records.

    SELECT TRANSACTION LOGS:
    1.   BY DATE RANGE
    2.   CURRENT TRANSACTION LOG
    3.   BY NAME (ENTER ? TO LIST)
    OPTION(1)?

If you enter a question mark '?', all of the transaction log
files that appear in your manufacturing data base will be listed
on the screen. The transaction log file names, the date of the
first transaction, last transaction, and whether the transaction
log has been posted to the general ledger (MG,UT,555) will be
displayed.

If you choose option number 1 the following two prompts appear:

    BEGINNING DATE?
    ENDING DATE?

Upon entering a date range, the first and last record of the
transaction log files in your manufacturing data base group are
retrieved and the program determines the number of transaction
log files to read.

If you choose option number 2, then only the current transaction
log file is read.

If you choose option number 3, then all of the transaction file
names are listed on the screen. You will be allowed to enter
the beginning and ending range of the numbers assigned to the
transaction log file names. This is the same criteria used by
UT,801 and the other transaction log inquiry programs in Manman.

If you choose to create the monthly part usage file, the following
prompt will appear:

    ENTER THE YEAR OF THE MOST RECENT DATA EXTRACTED (YYYY)?

This prompt is used to align the usage numbers properly in the
usage record. Enter the year of the most recent transaction
log record that was included in your extract.

At this point, the extract programs will run and display progress messages for the major datasets being extracted. The Transaction Log extract will display progress after every 2500 records read.

Manman to Microsoft Toolbox

Omar, Shipping History, and Financials

```
The EXTRACTF program is used to create flat ASCII files from the
Manman OMAR, Accounts Payable, and General Ledger modules.
Before executing the EXTRACTF program, it is recommended that
you log on to a Group on the  HP3000 that is empty.
For example:

   :CHGROUP OMFILES
   :RUN EXTRACTF.SUMMIT.MMV110

The EXTRACTF program will allow you to select 'all' of your
OMAR records or a subset of your OMAR records.  It is recommended
that you work with a subset of your OMAR data initially, until you
have your extract, file transfer, and Windows Import processes
working effectively.

A subset of the OMAR (FINDB) records can be extracted based on the
Product Master records Product Type.  The data from the Shipping
History database, may also be extracted for a selected Product Type.

The Accounts Payable and General Ledger extracts do not have
the capability to select a subset of the information.  All of
the Accounts Payable database and General Ledger database is
extracted by these two processes.
```

Prompts

```
The following are the prompts in the EXTRACTF process.

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.   OMAR                (FINDB/TABDB)
2.   SHIPPING HISTORY (HISDB)
3.   ACCOUNTS PAYABLE (PAYDB/VNDDB)
4.   GENERAL LEDGER    (GLDB)
OPTION(1)?

The EXTRACTF program allows you to do 4 different extracts.

If you select extract option 1, OMAR, the following
prompt will appear:

    PRODUCT TYPE OPTION:
    1.   EXTRACT ALL PRODUCT TYPES
    2.   EXTRACT A SELECTED PRODUCT TYPE
    OPTION(1)?

    Select option 1 to extract the 'entire' OMAR database.   Be
    advised that the 'all product type' option will
    have a tangible run time.
```

Both option 1 and 2 will prompt for the database number to
extract the records from

OMAR DATA BASE NUMBER (0)?
Answer with a value between zero and 99.

If you choose option 2, to select a subset of records
based on Product Master Product Type, the following prompts
will appear:

PRODUCT TYPE?
Enter a valid Product Master Product Type. Only sales
order and accounts receivable activity associated with
this product type will be extracted.

If you select extract option 2, Shipping History,
the following prompt will appear:

PRODUCT TYPE OPTION:
1.   EXTRACT ALL PRODUCT TYPES
2.   EXTRACT A SELECTED PRODUCT TYPE
OPTION(1)?

Select option 1 to extract the 'entire' Shipping History
database. Be advised that the 'all product type' option
will have a tangible run time.

Both option 1 and 2 will prompt for the database number to
extract the records from

OMAR DATA BASE NUMBER (0)?
Answer with a value between zero and 99.

If you choose option 2, to select a subset of records
based on Product Master Product Type, the following prompts
will appear:

PRODUCT TYPE?
Enter a valid Product Master Product Type. Only shipments
associated with this product type will be extracted.

If you select extract option 3, Accounts Payable, the following
prompt will appear:

ACCOUNTS PAYABLE DATA BASE NUMBER (0)?

Enter a value between 0 and 99. The entire Accounts Payable
database will then be extracted.

If you select extract option 4, General Ledger, the following
prompt will appear:

General Ledger DATA BASE NUMBER (0)?

Enter a value between 0 and 99. The entire General Ledger
database will then be extracted.

At this point the extract programs will run and display progress
messages for the major datasets being extracted.

Names of the Extract Files Created

As mentioned earlier, the goal of the extract processes was to
incorporate the same file names and field names so that the data
elements are easily identified by using the Manman database guides.
A PDF copy of the Manman release 11 database guides are included
on your CD.

The extracts will also consolidate two Manman databases into
one extract process when there are dependencies and it is sensible
to do so.   For example:

  1) The Manufacturing extract exports data from both the MANDB
     and RESDB databases.   The RESDB dataset contains ECO
     information associated with bills of material.

  2) The Purchasing extract exports data from both the
      purchasing database PURDB and the Vendor database VNDDB.

  3) The Transaction Log extract exports a subset of Item
     Master information from MANDB so that the user can create
     inquires containing part descriptions and other Item Master
     elements while viewing Transaction Log records or Usage
     information.

     The Transaction Log extract also creates a file that contains
     48 individual months of Usage for each part number.
     The Transaction Log Extract files and fields are documented
     in the Transaction Log extract section of this manual.

  4) The OMAR Extract exports data from both the FINDB and
     TABDB (Tables) databases.

  5) The Shipping History Extract exports data from HISDB, but
     also exports:
     a)   A subset of information on Ship-to customers
     from CUSFIL of FINDB so that customer names, and cities,
     can be associated with Shipping History Inquires.   This
     extract file is SHPHIS.
     b)   A subset of information on Product Masters records
     from PROMAS of FINDB so that product descriptions, and
     units of measure can be incorporated.   This extract file
     is CUSHIS.
     c)   A subset of information on Item Masters records
     from IM of MANDB to include Part descriptions.

  6) The Accounts Payable extract exports data from both the
     A/P database PAYDB and the Vendor Master VNDMAS from the
     Vendor database VNDDB.

The HP3000 extract processes (EXTRACTM and EXTRACTF) create one
flat ASCII file for each dataset in the database being extracted.
The Extract File Names created by each of the 7 extract processes
are listed below. These files can all be referenced in the Manman
database guides included on your CD.

I) Manman to Microsoft Toolbox Manufacturing
 A.   MANUFACTURING (MANDB/RESDB)

   :CHGROUP MGFILES
   :LISTF

   FILENAME

   ACCTXREF   ASSEMB   CCFIL   DEPTREC   DFACFIL   ECOCMT
   ECOMAS   ECOREC   EXTDFIL   FAMLNK   IM   INTFIL
   INVFIL   INVLMAS   LDFIL   MPSPLAN   MRPPLAN   NCFIL
   ODF   OWOF   PSF   TCFIL   TRFIL   WCFIL
   WOSHT   WOTR

   B.   PURCHASING   (PURDB/VNDDB)

   :CHGROUP PUFILES
   :LISTF

   FILENAME

   CONTFIL   IM   IRCHFIL   PODSFIL   POFIL   POMAS
   POMMFIL   PRAFIL   PRAHFIL   PRDSFIL   PRHFIL   PRLFIL
   PRXFIL   RCHSFIL   REASMAS   RECNMAS   SHPFIL   SNFIL
   SNPOFIL   TERMMAS   V1099FIL   VNCRFIL   VNDMAS   VNDSFIL

   C.   TRANSACTION LOGS

   :CHGROUP TLFILES
   :LISTF

   FILENAME

   IM   ORDERFIL   TLOGFIL   TLUSAGE

II)   Manman to Microsoft Toolbox Omar and Financials

 A.   OMAR   (FINDB/TABDB)

   :CHGROUP OMFILES

```
:LISTF

FILENAME

AIFIL       ARFIL       BILMAS      CHAFIL      CIAFIL      CIDFIL
CMFIL       COMFIL      CRFIL       CURPRFIL    CUSFIL      CUSTMAS
FCMAS       FRTMAS      FTNO8       GLDFIL      GLMAS       HLDMAS
IM          INFIL       OPSFIL      OPTCHG      OPTFIL      PRDPCFIL
PRIFIL      PROHIS      PTMAS       PYTMAS      REMAS       RMTMAS
SALMAS      SCTMAS      SERFIL      SHDFIL      SHIPFIL     SHPHIS
SIFIL       SMFIL       SODFIL      SOEFIL      STFIL       TAXMAS
TOPFIL
```

B.   SHIPPING HISTORY (HISDB)

```
:CHGROUP HSFILES
:LISTF

FILENAME

IM          OPSFIL      PROHIS      SERFIL      SHDFIL      SHIPFIL
SHPHIS
```

C.   ACCOUNTS PAYABLE (PAYDB/VNDDB)

```
:CHGROUP APFILES
:LISTF

FILENAME

BATCHMAS    BNKMAS      CKCFIL      CKFIL       DEFACMAS    INRCTFIL
PADFIL      PDVCHFIL    PGLMAS      PRJMAS      TERMMAS     VATFIL
VATMAS      VCHFIL      VCHIFIL     VNDMAS
```

D.   GENERAL LEDGER   (GLDB)

```
:CHGROUP GLFILES
:LISTF

FILENAME

ACMFIL      ADUFIL      ALFFIL      ALHFIL      ALTFIL      AMTFIL
ATVMAS      BASFIL      BATMAS      BDUFIL      BUDFIL      BUDMAS
CLRMAS      COMMAS      GLPFIL      JDUFIL      JETFIL      JVFIL
JVMAS       PRJTMS      RATFIL      RDUFIL      RPTMAS      TCMFIL
TRAMAS      VPRFIL
```

The Format of the Extract Files Created

This section describes the how the data elements (Fields) from
the Manman system are formatted in the Extract files.

The Delimiter
Each data element is delimited (separated) by the Bar character.
This is often refered to as the "pipe" character.

An example of how the Bar is used to separate each field is shown
below. This is the OMAR payment terms file (PYTMAS of TABDB).

```
:PRINT PYTMAS.OMFILES
00001|NET 30 DAYS          |00035|00000|00000000.000|
00002|NET 60 DAYS          |00065|00000|00000000.000|
00003|NET 90               |00095|00000|00000000.000|
00004|1% 10/NET 30         |00037|00016|000000000.10|
00005|1% 10/NET 60         |00065|00016|000000000.10|
00006|1% 10/NET 90         |00095|00016|000000000.10|
00007|2% 10/NET 30         |00035|00016|000000000.20|
00009|2% 10/NET 90         |00095|00016|000000000.20|
00010|2% 45/NET 60         |00065|00045|000000000.20|
```


Dates
All of the dates in the Manman system have been identified.
The extract programs convert the date from proprietary Manman
format to the standard YYYYMMDD format in the extract files
created.

Numeric Fields

There are 4 different types of numeric fields in the Manman system.

1) Integers - numbers ranging from 0 to 32767. Integers are
   formatted as 5 digit numbers in the extract files. The
   exception to this rule are integers for dates which are
   converted to YYYYMMDD format.

2) Double Integers - these represent whole numbers with values
   exceding 32767. Double integers are formated as 8 digit
   numbers in the extract files.

3) Real Numbers and Double Real Numbers - these are floating
   numbers (numbers containing decimal values). The real numbers
   are in the extract file with a length of 12 bytes, contain
   a period, and have 2 or 3 decimal positions. For example:
   12345678.123

The Format of the Transaction Log Extracts

The Transaction Log Extracts differ slightly from Transaction
Log file format in the Manufacturing database guide. This
was done to facilite better inquiry capabilities by order
(purchase order, work order, sales order) number. There are
4 extract files. The primary file containing the transaction
log record itself is named TLOGFIL.

If you will be using the Monthly Part Usage capability of the
product, that file holds 48 months of Usage information.
Therefore, it is recommended that you extract Transaction Log
information in 4 year or less increments. 1 year, 2 year,
or 3 year blocks of Transaction Log data work well also.

IM - Item Master Table

A subset of the MANDB Item Master IM table to facilitate reporting.

```
ITNO       A18 Part Number (key)
CCODE      I1  Group 1 Class Code.
REV        A2  Revision Level.
DESC       A30 Part Description.
UOM        A2  Stocking Unit Of Measure.
INLOC      A10 Prime Inventory Location.
SCODE      A2  Source Code
BCODE      A2  Buyer or Planner Code.
FLTIME     I1  Fixed Lead Time.
GLACCT     A24 Primary General Ledger
VCODE      A10 Prime Vendor Code.
PRUOM      A2  Purchasing Unit Of Measure.
PLANCODE   A2  Planner.
CONVFACT   R2  Conversion Factor
CLCOD2     I1  Group 2 Class Code.
CLCOD3     I1  Group 3 Class Code.
CLCOD4     I1  Group 4 Class Code.
```


ORDERFIL - Order Table

This table facilitates "keyed" reads into the transaction log data
by work order number, sales order number, purchase order number,
or material requisition number.

```
ORDERNO      A10   links to TLWOPO of TLOGFIL (key)
ORDDOCTYP    A2    document type WO, SO, PO, or MR
ORDVCNO      A10   Ship-to Customer Number or Vendor Number
ORDVCNAME    A30   Customer Name or Vendor Name
ORDADDDAT    A8    date order added.
```

TLOGFIL - Transaction Log File

```
TLPARTNO    Part Number  A18   (key)
TLWOPO      Order Number A10   (key)
TLDOCTYP    Document Type A2 - TLWOPO represents a work order number
            "WO", sales order number "SO", purchase order number "PO",
            or material requisition number "MR"
TLWOPN      Work Order Part Number.        A18
TLSCRWC     Work Center (scrap transactions).  A6
TLSCROP     Operation Sequence (scrap transactions).      I1
TLSCRPCT    Percent of Labor Last Operation (scrap transactions).   I1
TLREFNO     Reference Number.  A10  Receiver or Material Requisition
TLFLOC      Inventory Location from which Parts are Moved.     A10
TLFLOT      Inventory Lot from Which Parts are Moved.       A18
TLFQTY      The Balance of Parts at the Inventory Location/Lot From
            Which Parts are Moved.      R2
TLTLOC      Inventory Location to which Parts are Moved.    A10
TLTLOT      Inventory lot to which Parts are Moved.         A18
TLTQTY      The Balance of Parts at the Inventory Location/Lot to
            which Parts are Moved.      R2
TLQNTY      Quantity of the Part Issued, Received, or Scrapped.    R2
TLQOH       Nettable Quantity On Hand After Update     R2
TLDR        Debit Account Number    A24
TLCR        Credit Account Number.  A24
TLDAT       The Date the Transaction is Logged        A8
TLTIME      The Time the Transaction is Logged        A8
TLUSRDAT    The User Entered Date       A8
TLUSER      Log-on Name.        A8
TLCMDNUM    Command Number.  A6
TLUCST      Unit Value        R4
TLEXTCST    Extended Unit Cost.   R4
TLMCST      Material Cost.  R4
TLCSTMBFS   Material Overhead Cost .  R2
TLLABCST    Assembly Labor Cost.   R4
TLCSTSAB    in Assembly Fixed Overhead Cost.  R2
TLCSTAO2S   Assembly Variable Overhead Cost.  R2
TLCSTAO3S   Assembly Third Overhead Cost.  R2
TLOUTLAB    Assembly Outside Processing Cost.  R2
TLCSTCMOS   Assembly Outside Processing Overhead Cost.  R2
TLULAB      Component Labor Cost.  R4
TLCSTSCB    in Component Fixed Overhead Cost.  R2
TLCSTCO2S   Component Variable Overhead Cost.  R2
TLCSTCO3S   Component Third Overhead Cost.  R2
TLCSTCOPS   Component Material Overhead Cost.  R2
TLCSTCOPOS  Component Outside Processing Cost.  R2
TLCSTOPBFS  Component Outside Processing Overhead Cost.  R2
TLSCPREA    Scrap Reason Code.  A2
TLPROJ      Project Activity.       A16
TLREV       Revision.  A2
```

<u>TLUSAGE</u> - <u>Part</u> <u>Usage</u> <u>Table</u>

This file creates one record per part number. Year 1 represents
the year of the most recent transaction log exported.

For example, if you exported transaction logs from 2001 to 2003.
Year 1 would represent the usage of the part for each month of
2003.   Year 2 would represent the usage of the part for each
month of 2002.   Year 3 would represent the usage of the part for
each year in 2001.   Year 4 would be zero.

```
TUPARTNO Part Number A18  (key)
TUYEAR A4 year (YYYY) representing year 1
TUY1M1  I2  Usage Year 1  January
TUY1M2  I2  Usage Year 1  February
TUY1M3  I2  Usage Year 1  March
TUY1M4  I2  Usage Year 1  April
TUY1M5  I2  Usage Year 1  May
TUY1M6  I2  Usage Year 1  June
TUY1M7  I2  Usage Year 1  July
TUY1M8  I2  Usage Year 1  August
TUY1M9  I2  Usage Year 1  September
TUY1M10 I2  Usage Year 1  October
TUY1M11 I2  Usage Year 1  November
TUY1M12 I2  Usage Year 1  December
TUY2M1  I2  Usage Year 2  January
TUY2M2  I2  Usage Year 2  February
TUY2M3  I2  Usage Year 2  March
TUY2M4  I2  Usage Year 2  April
TUY2M5  I2  Usage Year 2  May
TUY2M6  I2  Usage Year 2  June
TUY2M7  I2  Usage Year 2  July
TUY2M8  I2  Usage Year 2  August
TUY2M9  I2  Usage Year 2  September
TUY2M10 I2  Usage Year 2  October
TUY2M11 I2  Usage Year 2  November
TUY2M12 I2  Usage Year 2  December
TUY3M1  I2  Usage Year 3  January
TUY3M2  I2  Usage Year 3  February
TUY3M3  I2  Usage Year 3  March
TUY3M4  I2  Usage Year 3  April
TUY3M5  I2  Usage Year 3  May
TUY3M6  I2  Usage Year 3  June
TUY3M7  I2  Usage Year 3  July
TUY3M8  I2  Usage Year 3  August
TUY3M9  I2  Usage Year 3  September
TUY3M10 I2  Usage Year 3  October
TUY3M11 I2  Usage Year 3  November
TUY3M12 I2  Usage Year 3  December
TUY4M1  I2  Usage Year 4  January
TUY4M2  I2  Usage Year 4  February
TUY4M3  I2  Usage Year 4  March
TUY4M4  I2  Usage Year 4  April
TUY4M5  I2  Usage Year 4  May
```

```
TUY4M6  I2  Usage Year 4  June
TUY4M7  I2  Usage Year 4  July
TUY4M8  I2  Usage Year 4  August
TUY4M9  I2  Usage Year 4  September
TUY4M10 I2  Usage Year 4  October
TUY4M11 I2  Usage Year 4  November
TUY4M12 I2  Usage Year 4  December
```

Moving the Files to your Windows Server or PC

If you intend on using <u>Excel</u> instead of Microsoft Access, refer
to the next section of this manual 'Importing files to Excel'.

If you intend to use the Microsoft Access Import programs that we
provide, there are 2 rules that need to be adhered to when moving
the files to your PC or Windows Server.

1) The files should be moved to a folder (directory) that
will contain only the files to be imported. In other words,
an empty folder.

2) The files must be suffixed with the .txt suffix. For example
the IM file would be named IM.TXT on your PC.

There are 2 primary methods of moving your extract files from the
HP3000 to your PC/Windows Server.

FTP (File Transfer Protocol) or an ASCII File Transfer
using your Terminal Emulator (Reflection or Minisoft)

<u>Using</u> <u>FTP</u> <u>on</u> <u>the</u> <u>HP3000</u>

The fastest method to transfer data off of the HP3000 is using FTP.
You can initiate FTP and 'push' the files from your HP3000 to your
Windows server in the following manner.

:RUN FTP.ARPA.SYS
OPEN 123.50.43.21   (ip address of your Windows Server/PC)
Enter the remote user name and password when prompted.   The open command
opens a connection to the remote server.

The PUT command will move (push) a single file from the HP3000 to your
Windows server.   For example

PUT IM.MGFILES /MGFILES/IM.TXT

Will move the IM (item master) extract file from the MGFILES group on
the HP3000 to a directory called MGFILES on your server, and apply
a .TXT (flat ascii file) suffix

The MPUT command will push a group of files from the HP3000 to your
Windows server.   Here is an example of pushing all of the files from
a manufactuing extract to your Windows server.

```
:CHGROUP MGFILES                        <<<-- group where files reside
:RUN FTP.ARPA.SYS

File Transfer Protocol [A0012E08] (C) Hewlett-Packard Co.   2002

ftp> OPEN 147.82.21.237                 <<<-- ip address of windows server
220 USCTN003 Microsoft FTP Service (Version 5.0).
Connected to 147.82.21.237.   (FTPINFO 40)
Name(manager): anonymous                <<<-- user name of windows server
331 Anonymous access allowed, send identity (e-mail name) as password.
Password: test                          <<<-- password often not required
230 Anonymous user logged in.
Remote system type is Windows_NT
ftp> cd mgfiles                         <<<-- directory where files will placed
ftp> mput @

ftp> quit
:
```

If you will be using the MPUT the required .TXT suffix will not be
applied. Refer to 'applying the .TXT suffix' section below.

You may also "pull" the extract files from the HP3000 to your Windows
server by initiating FTP on the Windows server and using the GET or
MGET commands.

Additional information can be found in the HP3000 ARPA File Transfer
Protocol User Guide.
http://docs.hp.com/en/36957-90158/index.html

Terminal Emulator File Transfer

When using your terminal emulator, you are offered a choice between
a binary file transfer type or an ascii file transfer type.
Choose ASCII.

The Reflection terminal emulator allows you to put in an @ for the
host file name to transfer all files in a group. This allows you
to do a file transfer on a series of files instead of specifying
them individually. When using the @ and a Reflection file transfer
logon to the group the files reside in. For example :CHGROUP MGFILES
Also, using an @ file transfer in reflection does not apply the
required .TXT suffix to the local PC file names. Refer to the
'applying the .TXT suffix section.

The Minisoft terminal emulators file transfer capability is for
individual file names. It should also be noted that the Minisoft
file transfer is slower than the Reflection file transfer.

Applying the .TXT suffix

If you use the FTP MPUT or MGET commands, or do a @ Reflection
file transfer, the file names on the Windows Server/PC will not
have the required .TXT suffix. However, applying the .TXT
suffix can be accomplished with one simple MS-DOS command.

```
CD C:mgfiles
RENAME * *.TXT
```

(To reach the MS-DOS command prompt on your PC, click on START,
 RUN, enter CMD)

Using the Manman to Microsoft Toolbox with Excel

Although the Manman to Microsoft Toolbox product includes Microsoft
Access Import programs, often an Excel spreadsheeet will satisfy
your requirements. This section describes how to import a single
extract file on the HP3000 to an Excel spreadsheet on your PC.
A visual example is found on the proceding page.

1) Click on File then File Transfer using Reflection or Minisoft.
You must be at the HP3000 colon prompt : to do a file transfer.

2) Select a host file name to download. In our example, we
used the MRPPLAN file.

3) Select a file transfer type of ASCII.

4) Select a local file name and directory (or desktop) for the
file. Apply a .XLS suffix to the local file name. For example,
MRPPLAN.XLS

5) Launch Excel - DO NOT DOUBLE CLICK ON MRPPLAN.XLS. Double
clicking on the file bypasses the text import wizard in Excel.
Instead, launch Excel, and do a FILE & OPEN. Choose the file
MPRPLAN.XLS from your list of Excel files. Upon doing so the
Text Import Wizard will be launched.

6) Select the 'delimited' file type (not fixed width). Click Next.

7) Click on 'other' for the delimiter, and insert a Bar in the box
next to the other checkbox. The Bar is a shift-backslash on your
keyboard. Click Next.

8) By default, each column in Excel defines the variable as 'general'.
You have the option of clicking on specific columns and redefining
them as 'dates' or 'text'.

9) Your spreadsheet should now be imported. Click on Format, Column,
Auto-Fit selection, to display the full contents of each column.
Click on File, Save As, and save as Excel Workbook format instead
of delimited format.

Excel Limitations

There is a maximum of 65,534 rows (records) that you can import
into Excel. Therefore if you download a file from the HP3000 that
contains more than 65,534 records, only the first 65,534 will be
imported.

Microsoft Excel 2007 no longer has the 65,534 limit. The new limit
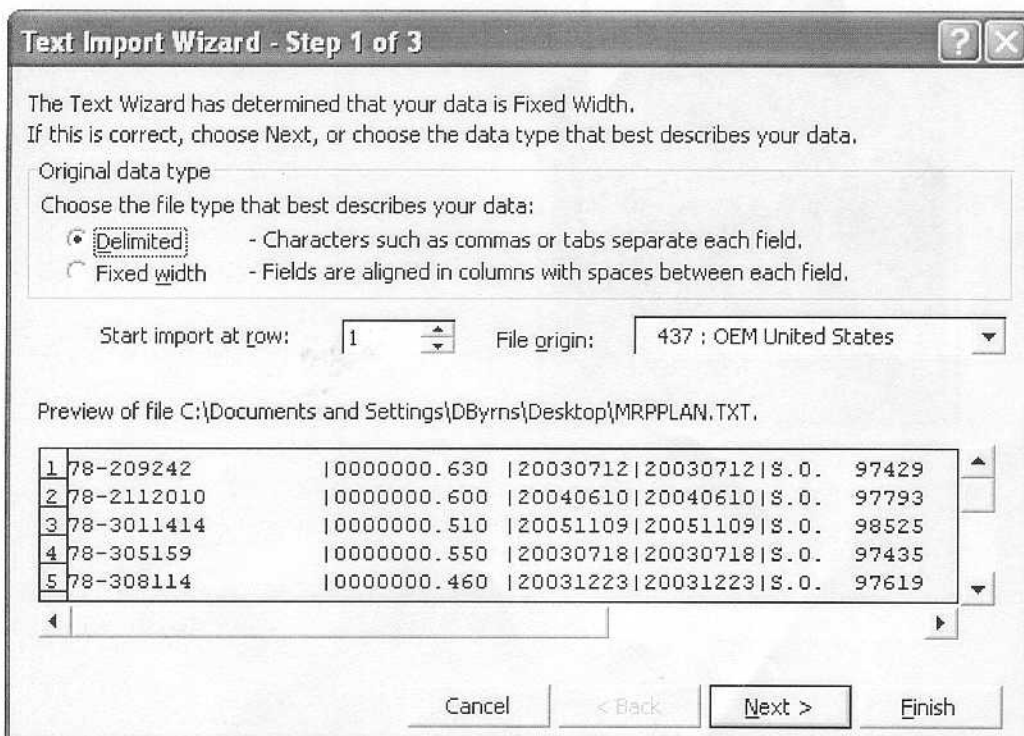is 1,000,000 records.

Example of using the Manman to Microsoft Toolbox with Excel.

Reflection File Transfer Screen - note .XLS suffix on local file name and ASCII transfer type.
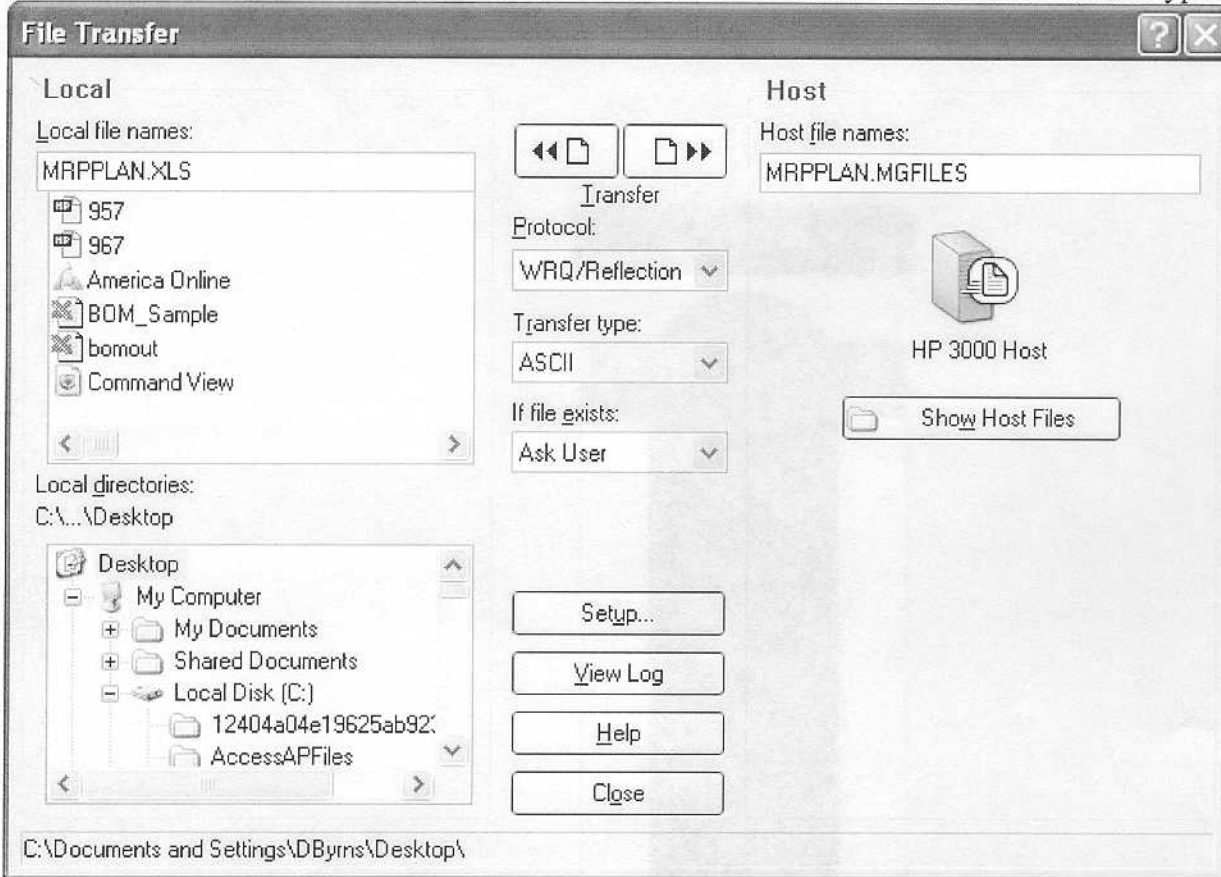
Do not double click on the MRPPLAN.XLS file.
Launch Excel and do a FILE & OPEN. Choose MRPPLAN.XLS as you browse. The Import Wizard appears.
Choose the underlined delimited file type.

Click on the Other: checkbox and put a bar | in the adjacent box.   A bar is a shift-backslash on the keyboard.

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see
how your text is affected in the preview below.

Delimiters
☐ Tab   ☐ Semicolon   ☐ Comma   ☐ Treat consecutive delimiters as one
☐ Space ☑ Other: | Text qualifier: [" ▼]

Data preview

```
78-209242       0000000.630  20030712 20030712 S.O.  97429
78-2112010      0000000.600  20040610 20040610 S.O.  97793
78-3011414      0000000.510  20051109 20051109 S.O.  98525
78-305159       0000000.550  20030718 20030718 S.O.  97435
78-308114       0000000.460  20031223 20031223 S.O.  97619
```

[Cancel]   [< Back]   [Next >]   [Finish]

You have the option of defining specific columns as 'dates' or 'text'. Click Finish.

Text Import Wizard - Step 3 of 3

This screen lets you select each column and set
the Data Format.

'General' converts numeric values to numbers, date
values to dates, and all remaining values to text.

Column data format
☐ General
☐ Text
☑ Date: [YMD ▼]
☐ Do not import column (skip)

[Advanced...]

Data preview

General	General	YMD	General	General
78-209242	0000000.630	20030712	20030712	S.O. 97429
78-2112010	0000000.600	20040610	20040610	S.O. 97793
78-3011414	0000000.510	20051109	20051109	S.O. 98525
78-305159	0000000.550	20030718	20030718	S.O. 97435
78-308114	0000000.460	20031223	20031223	S.O. 97619

[Cancel]   [< Back]   [Next >]   [Finish]

Your spreadsheet should now be imported.
Click on Format, Column, Auto-Fit selection, to display the full contents of each column.

Click on File, Save As, and save as Excel Workbook format instead of delimited format.

Extract and Capacity Limits

HP3000 Extract Program Limits

Each of the extract programs has a limit of 3,000,000 records per dataset. If you have any Manman datasets that exceed this value, please contact us, and we will adjust the limit up accordingly for you.

The HP3000 extract programs are written with the most expedient coding and reformatting processes available to you. However, extracting and reformatting hundreds of thousands of records does require a lot of processing time. The extract processes may be run during the day along with your normal Manman users. If you will be extracting 'entire' databases it is recommended that you try to do so off-hours. The selected product type or selected class code extracts execute in the normal HP3000 Batch Queue (DS). The 'entire' database extract processes execute in the low-priority HP3000 Batch Queue (ES).

The extract files created will be approximately the same size as the database they were extracted from. There is no reason for any HP3000 to have less than 30% free space. Disk space is at all time record low prices.   9GB disk drives are available for less than $200. Buy one or two disks and take advantage of them. We have had a number of positive experiences with HP3000 hardware broker Genisys Corporation.   www.genisyscorp.com.

Microsoft Access Table Limits

If you will be using the Microsoft Access Import processes that are included on your CD, then be aware that a Microsoft Access database does have a theoretical limit to the amount of data that it can hold.

The Manman to Microsoft Toolbox Access component will create 7 different Access databases in a directory /MANMAN on your Windows server/PC

Manman to Microsoft Toolbox Manufacturing
1.   Manufacturing.mbd
2.   Purchasing.mdb
3.   Translog.mdb

Manman to Microsoft Toolbox Omar and Financials
4.   OMAR.mdb
5.   ShippingHistory.mdb
6.   AP.mdb
7.   GL.mdb

A Microsoft Access database (.mdb file) has a 2GB maximum size.
We have reviewed the size of Manman databases on many customers
HP3000, and have yet to find a customer whose databases exceed
this limit.

If Microsft Access is not your target platform, Microsoft provides
an SQL Server migration assistant (SSMA for Access) utility.
A multitude of other MS Access to Database X 3rd party migration
utilities are also available on the market. You can find move
information on SQL and Microsoft Access in the documentation
included on your CD.

Microsoft Access Import Applications

At this point we presume you have moved the extract files from
the HP3000, they reside on your PC/Windows server in a directory
all by themselves, and that the extract files have a .TXT suffix.
The purpose of this section is to provide you with an overview
of the Microsoft Access Import Applications we provided you on
you CD.

The CD will contain up to 4 Microsoft Access Migration programs.
The Manman to Microsoft Toolbox Manufacturing Product includes
these 2 programs:

  MigrateMFG   Creates Manufacturing.mdb and Purchasing.mdb
  MigrateTL   Creates Translog.mdb

The Manman to Microsoft Toolbox for Omar and Financials includes
the programs:

  MigrateOMAR   Creates OMAR.mdb and ShippingHistory.mdb
  MigrateAPGL   Creates AP.mdb and GL.mdb

These programs were developed in Microsoft Access 2003, but should
run on 'any' version of Microsoft Access. The Import programs were
developed by calling a series of Visual Basic Macros. It is
possible, not probable, that if you are running a version of
Access prior to Access 2003, the import you 'may' have to obtain
a 'dll' from the Microsoft website.

Because the Import programs run macros, you may receive the
Microsoft 'security warnings' that macros are about to be run,
and have to 'continue' or 'change' the macro security setting.

Double click on these Import programs to launch them. The directions
on how to Import on on the following page.

After the Import program has run, Access databases in Manman format
will be built in a subdirectory called MANMAN. Access databases
have the following names.

Manman to Microsoft Toolbox Manufacturing
1.   Manufacturing.mbd
2.   Purchasing.mdb
3.   Translog.mdb

Manman to Microsoft Toolbox Omar and Financials
4.   OMAR.mdb
5.   ShippingHistory.mdb
6.   AP.mdb
7.   GL.mdb

Double click on the Access databases to view your Manman data.
Upon opening the database, a macro which runs a custom Filter/Inquiry
process will execute. You do not have to use our custom
Filter/Inquiry process. Simply close the Filter Window and you can
choose what 'Manman table' to view by clicking on the "tables"
object.

For additional information on how to use Microsoft Access we
recommend the visual instruction book 'Access 2003 Quick Steps'
from McGraw-Hill / Osborne publishing ISBN 0-07-223229-3.

Example of the Microsoft Access Import Program (MigrateMFG)

1. Click on the large button in the top left 'Click to Select Database Folder'. This will allow you to 'browse' and select what directory to store the Microsoft Access Database that gets created. By default, the program uses the folder where the application is installed and creates a new subfolder MANMAN. The Access databases built will reside in the MANMAN subfolder.
2. Click on the large button in the top middle of the screen 'Click to select folder for Manufacturing text files'. This is the folder you downloaded the MGFILES from the HP3000.
3. Click on the large button in the top right of the screen 'Click to select folder for Purchasing text files'. This is the folder you downloaded the PUFILES from the HP3000.
4. Click on GO.

*** Note - if you only want to build 1 Access database instead of 2 Access databases use the 'check box' next to the 'Database 1:' and 'Database 2:' to choose which Access database you will be creating.

When the import process is finished there will almost always be 'import errors'. This is NORMAL!. Any import errors can be reviewed under the 'error' tab, in the tblImportErrors table. Someties a Bar character | appearing in the data being imported will cause an import error.

Custom Filter Process that is launched upon opening the Microsoft Access Database.

1. The filter form should open automatically. If you do not wish to use this filter function, just close this window.

2. **Indicate the table/query to search.**In the filter form, select the dataset to filter from the drop-down list 'Select Table to Search'. The list contains all user tables (native or linked from other sources) and saved queries in the database, except those used specifically designed for filtering. Expand the list by clicking the arrow on the right side of the list or press Alt+T.

3. **Building an 'ad-hoc' filter**: After selecting the data set, go to the detail section to define all filter elements:
   - Line Op: operator for the entire line. Leaving it blank will use a default of 'And'. It is used to concatenate the defined lines and create an advanced filter
   - Field Name: the name of the field to filter (the drop-down list contains all fields from the source)

Filter Form

Select Table to Search: IM   Select Filter Name: [▼]   New Ad-hoc Filter

Details:

LineOp	FieldName	Op1	Value1	FldOp	Op2	Value2

ITNO
CCODE
REV
DESC
UOM
INLOC
DOLCC
ABC

Save Filter As [   ]   Delete Filter   Show all records   Apply Filter   Exit

- Op1: first operator for the selected field (=, >, <, Between and so on). Selecting Between will restrict the next criteria for that line. Default value is '='
- Value1: the value used for the filter

Example: DOLCC = 20040823 will result in the following dataset:

IM : Table

ITNO	CCODE	REV	DESC	UOM	INLOC	DOLCC	ABC	SCODE	QOH	DLT	LCODE	FLAB	C
78-108303	78		XL NC010 F2A/	EA	CONAMER	20040823	C	P	0	11993	0	0	
78-406283	78		XL BK6252 F1/	EA	CONAMER	20040823	C	P	1	12799	0	0	
78-LLAE-E671C	78		XL NC010 F1A/	EA	CONAMER	20040823	C	P	0	11993	0	0	

- FldOp (optional): if the comparison is made for two values at the same time, this field is used to state 'And'/'Or'
- Op2 first operator for the selected field (=, >, <,). Default value is '='
- Value2: second comparison value

4. **Saving a filter for later use**: After setting the search criteria, go to the text box in the lower left, enter the name you want for the filter and click 'Save Filter As'. The filter will be retrievable from the 'Select Filter Name' drop-down list.
The saved filters depend on the table name and workstation name. In this way, various users can build different filters with the same names for the same table/query without interfering.

5. **Retrieving a saved filter**: Select the data set, then expand the 'Select Filter Name' drop-down' list and choose the desired filter.

Button description:

- 'Save Filter As' allows you to change an ad-hoc filter into a saved filter. Enter the name of the filter and click the 'Save Filter As' button (or press Alt+S)
- 'Delete Filter' allows you to delete the filter defined on the screen. Click or press Alt+D
- 'Show All Records' will open the table displayed in the 'Select Form To Filter' drop-down list. Click or press Alt+W.
  This operation will remove the filter form from the screen before the table is displayed. The filter form will show up again when the table is closed
- 'Apply Filter' will apply the filter on the form displayed in the 'Select Table To Filter' drop-down list. Click or press Alt+A

```
***************************************************************
*   Example of running the EXTRACTM program and extracting    *
*   manufacturing data for a selected class code.             *
***************************************************************


:CHGROUP MGFILES
:RUN EXTRACTM.SUMMIT.MMV110


Manman Manufacturing Extract Utility              (v1)


WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.   MANUFACTURING   (MANDB/RESDB)
2.   PURCHASING      (PURDB/VNDDB)
3.   TRANSACTION LOGS
OPTION(1)? 1


MANUFACTURING DATA BASE NUMBER ( 0)? 0


CLASS CODE OPTION:
1.   EXTRACT ALL CLASS CODES
2.   EXTRACT A SELECTED CLASS CODE
OPTION(2)? 2


BEGINNING EXTRACT PROCESS:   3:27 PM


SELECT PARTS BASED ON WHICH CLASS CODE GROUP (1,2,3,4)?  2
CLASS CODE? 100


Records selected:  1469
Records selected:  10368
Records selected:  178
Records selected:  1469
Records selected:  715
Records selected:  374
Records selected:  1089
Records selected:  715
Records selected:  12730
EXTRACTING ACCTXREF....
Records selected:  6510
Pages printed:     1
EXTRACTING ASSEMB....
Records selected:  1422
Pages printed:     1
EXTRACTING CCFIL....
Records selected:  0
Pages printed:     1
EXTRACTING DFACFIL....
Records selected:  1
Pages printed:     1
EXTRACTING IM....
Records selected:  1724
Pages printed:     1
EXTRACTING INVLMAS....
Records selected:  24758
Pages printed:     1
EXTRACTING OWOF....
Records selected:  715
Pages printed:     1
EXTRACTING WCFIL....
Records selected:  219
Pages printed:     1
EXTRACTING ECOMAS....
Records selected:  15
Pages printed:     1
```

```
EXTRACTING DEPTREC....
Records selected:  55
Pages printed:      1
EXTRACTING EXTDFIL....
Records selected:  818
Pages printed:      1
EXTRACTING INTFIL....
Records selected:  18248
Pages printed:      1
EXTRACTING INVFIL....
Records selected:  294
Pages printed:      1
EXTRACTING LDFIL....
Records selected:  2723
Pages printed:      1
EXTRACTING MPSPLAN....
Records selected:  2
Pages printed:      1
EXTRACTING MRPPLAN....
Records selected:  18
Pages printed:      1
EXTRACTING NCFIL....
Records selected:  103
Pages printed:      1
EXTRACTING ODF....
Records selected:  61
Pages printed:      1
EXTRACTING PSF....
Records selected:  10368
Pages printed:      1
EXTRACTING TCFIL....
Records selected:  265484
Pages printed:      1
EXTRACTING TRFIL....
Records selected:  713
Pages printed:      1
EXTRACTING WOSHT....
Records selected:  6882
Pages printed:      1
EXTRACTING WOTR....
Records selected:  713
Pages printed:      1
EXTRACTING ECOCMT....
Records selected:  6
Pages printed:      1
EXTRACTING ECOREC....
Records selected:  0
Pages printed:      1
EXTRACTING FAMLNK....
Records selected:  0
Pages printed:      1
 EXTRACT PROCESS COMPLETED:   3:31 PM


:LISTF


ACCTXREF    ASSEMB     CCFIL      DEPTREC    DFACFIL    ECOCMT
ECOMAS      ECOREC     EXTDFIL    FAMLNK     IM         INTFIL
INVFIL      INVLMAS    LDFIL      MPSPLAN    MRPPLAN    NCFIL
ODF         OWOF       PSF        TCFIL      TRFIL      WCFIL
WOSHT       WOTR


:PRINT INVFIL;END=1
78-601243        |0000000.600 |20060426|CONAMER   |63040-008          |100255
         |0000005.374 |00000|1234                       |20060426|                    |
00000|00000000.000|00000000|
```

```
****************************************************************
*    Example of running the EXTRACTM program to export        *
*    Transaction Log Records, and create a file of monthly    *
*    usage for each part number.                              *
****************************************************************


: RUN EXTRACTM.SUMMIT.MMV110

Manman Manufacturing Extract Utility              (v1)

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.  MANUFACTURING  (MANDB/RESDB)
2.  PURCHASING     (PURDB/VNDDB)
3.  TRANSACTION LOGS
OPTION(1)? 3

MANUFACTURING DATA BASE NUMBER ( O)?

CALCULATE MONTHLY PART USAGE AFTER EXTRACTING THE TRANSACTION LOGS (N)? Y *

BEGINNING EXTRACT PROCESS:   8:34 AM

SELECT TRANSACTION LOGS:
1. BY DATE RANGE
2. CURRENT TRANSACTION LOG (TROO1264)
3. BY NAME (enter '?' to list)
OPTION (1)? 1

STARTING DATE? 4/1      *


Records selected:  58255
Creating extract file....
BEGINNING REFORMAT PROCESS:  8:36 AM
FORMATTING TRANSACTION LOG EXTRACT FILE....
Records selected:  58255
Pages printed:      1
EXTRACTING IM....
Records selected:  52562
Pages printed:      1
BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(1)....
Records selected:  56958
BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(2)....
Records selected:  1801
BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(3)....
Records selected:  3574
BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(4)....
Records selected:  3764
Pages printed:      1

CALCULATING PART USAGE PROCESS:  8:39 AM
CALCULATING PARTS USAGE FILE....
ENTER THE YEAR OF THE MOST RECENT DATA EXTRACTED (YYYY)? 2007
Records selected:  47857
Records selected:  2505
Pages printed:      1

EXTRACT PROCESS COMPLETED:  8:39 AM
```

```
****************************************************************
*    Example of running the EXTRACTF program and extracting    *
*    OMAR data for a selected product type.                    *
****************************************************************


:CHGROUP OMFILES
:RUN EXTRACTF.SUMMIT.MMV110


Omar, Shipping, and Financials Extract Utility     (v1)


WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.   OMAR             (FINDB/TABDB)
2.   SHIPPING HISTORY (HISDB)
3.   ACCOUNTS PAYABLE (PAYDB/VNDDB)
4.   GENERAL LEDGER   (GLDB)
OPTION(1)? 1


PRODUCT TYPE OPTION:
1.   EXTRACT ALL PRODUCT TYPES
2.   EXTRACT A SELECTED PRODUCT TYPE
OPTION(1)? 2

OMAR DATA BASE NUMBER ( 0)? 0

BEGINNING EXTRACT PROCESS:   1:20 PM ......

PRODUCT TYPE? 100

Records selected:  1440
FINDING SALES ORDERS ASSOCIATED WITH THE PRODUCTS SELECTED....
Records selected:  1155
FINDING INVOICES ASSOCIATED WITH THE PRODUCTS SELECTED....
Records selected:  1456
EXTRACTING BILMAS....
Records selected:  2847
Pages printed:     1
EXTRACTING GLMAS....
Records selected:  4841
Pages printed:     1
EXTRACTING PROMAS....
Records selected:  1440
Pages printed:     1
EXTRACTING IM....
Records selected:  52562
Pages printed:     1
EXTRACTING PTMAS....
Records selected:  706
Pages printed:     1
EXTRACTING SALMAS....
Records selected:  125
Pages printed:     1
Records selected:  42
Pages printed:     1
Records selected:  85
Pages printed:     1
Records selected:  99
Pages printed:     1
Records selected:  102
Pages printed:     1
Records selected:  24
Pages printed:     1
```

```
Records selected:   48
Pages printed:      1
Records selected:   566
Pages printed:      1
Records selected:   171
Pages printed:      1
Records selected:   15
Pages printed:      1
Records selected:   1701
Pages printed:      1
EXTRACTING AIFIL....
Records selected:   9513
Pages printed:      1
EXTRACTING ARFIL....
Records selected:   972
Pages printed:      1
EXTRACTING CHAFIL....
Records selected:   1774
Pages printed:      1
EXTRACTING CIAFIL....
Records selected:   1741
Pages printed:      1
EXTRACTING CIDFIL....
Records selected:   4005
Pages printed:      1
EXTRACTING CMFIL....
Records selected:   972
Pages printed:      1
EXTRACTING COMFIL....
Records selected:   676
Pages printed:      1
EXTRACTING ACCTXREF....
Records selected:   1042
Pages printed:      1
Records selected:   0
Pages printed:      1
EXTRACTING CUSFIL....
Records selected:   7035
Pages printed:      1
EXTRACTING GLDFIL....
Records selected:   4406
Pages printed:      1
EXTRACTING INFIL....
Records selected:   2153
Pages printed:      1
EXTRACTING OOE FILES....
Records selected:   0
Pages printed:      1
Records selected:   756
Pages printed:      1
Records selected:   8
Pages printed:      1
Records selected:   20025
Pages printed:      1
EXTRACTING SIFIL....
Records selected:   13374
Pages printed:      1
Records selected:   815
Pages printed:      1
EXTRACTING SODFIL....
Records selected:   2871
Pages printed:      1
EXTRACTING SOEFIL....
Records selected:   676
Pages printed:      1
```

```
EXTRACTING TOPFIL....
Records selected:   0
Pages printed:      1
 EXTRACT PROCESS COMPLETED:   1:23 PM


:LISTF

FILENAME

AIFIL       ARFIL       BILMAS      CHAFIL      CIAFIL      CIDFIL
CMFIL       COMFIL      CRFIL       CURPRFIL    CUSFIL      CUSTMAS
FCMAS       FRTMAS      GLDFIL      GLMAS       HLDMAS      IM
INFIL       OPTCHG      OPTFIL      PRDPCFIL    PRIFIL      PROMAS
PTMAS       PYTMAS      REMAS       RMTMAS      SALMAS      SCTMAS
SIFIL       SMFIL       SODFIL      SOEFIL      STFIL       TAXMAS
TOPFIL

:PRINT SOEFIL;END=1
10103      |4899-001   |4899       |ALLIED SUPPLY INC              |
                |10828 SHADY TRAIL           |                                   |DAL
LAS, TX                  |75220     |19321001|19321001|0704|00000|00000|00000|
00000|TX  |IND |2       |BESTWAY        |30943                  |00005|00000|00000
|00000|00001|00000000.000|        |            |00000|18991231|00000|00001|00084458|
00084458| C             USTX|REL08/02              |SJACKSON|            |
:
```