

Department of Veterans Affairs  
Decentralized Hospital Computer System

# **ENGINEERING TECHNICAL MANUAL**

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# Preface

This Technical Manual presents the major features of the Engineering system Automated Engineering Management System /Medical Equipment Reporting System (AEMS/MERS). This manual may be used by anyone having access to the system, from novice user to system manager, as a reference text and as a guide to understanding the package as a whole.

Note: patch EN\*7.0\*100 added new cross-references to the EQUIPMENT INV. file (#6914) and ENG SPACE file (#6928) for support of the Real Time Location System (RTLS) interface between VistA and Intelligent Insites. However, the new cross references do not change any menu options available in the Engineering package.



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# Revision History

Initiated on 12/29/04

Date	Description (Patch # if applic.)	Project Manager	Technical Writer
08/2017	Updated with Patch EN*7.0*100, ENGINEERING SUPPORT FOR RTLS (Section 6-2)	Michael Klein, DXC	Jennifer Koziel, DXC
04/2008	*Updated with Patch EN*7*87, IT EQUIPMENT TRACKING ENHANCEMENT	Debbie Lawson	Mary Ellen Gray
12/29/04	Updated to comply with SOP 192-352 Displaying Sensitive Data.		Mary Ellen Gray
12/29/04	Pdf file checked for accessibility to readers with disabilities.		Mary Ellen Gray

**\* Please note that the technical manual has been updated for enhancement patches EN\*7\*87 (IT Equipment Tracking) and EN\*7\*100 (RTLS), but has not been updated for other patches since the release of Version 7.0 in August 1993.**





# Introduction

## **Manual Use**

The Engineering system is designed for effective interaction for all user levels, from the novice user to the site manager. A knowledge of VA FileMan user protocol is all that is required to use the system.

## **On-line Access**

Upon gaining access to the system, the user is prompted for a menu selection at each level of the system. If the user wishes a list of available selections entering a <?> will bring up a list of available selections. <??> will give additional information, and <?OPTIONS> will list further options. The user should enter a carriage return to accept a default answer, or enter a new value.

Entries may be made in either upper case or lower case characters, as the fields are not case sensitive. If a long entry is being entered, only the first few letters of the entry should be typed, as three letters are sufficient for entry identification. If an entry is ambiguous, a question mark will appear, and the selection prompt is automatically reprinted for the viewer. If there is more than one selection for an entry, a list of all possible selections appears, from which the viewer can choose a selection by entering either the name or number of the selection.

## **Standard Package Conventions**

Refer to the Engineering User Manual for information on standard package conventions.

## **General Description**

The DHCP Engineering package consists of nine (9) separate but interrelated modules.

- 1 Work Order and MERS
- 2 Project Planning
- 3 Project Tracking
- 4 Equipment Management
- 5 Space/Facility Management
- 6 Program Management
- 7 2162 Accident Reporting
- 8 Assign (Transfer) Electronic Work Orders
- 9 IT Equipment Tracking

### **Work Order and MERS**

The Work Order and MERS module generates control numbers for Engineering work requests and provides a way of assigning work requests to specific Engineering shops, assigning personnel to work orders, and charging work orders to specific pieces of equipment. It is the basis for automated repair histories on all types of equipment. Although preventive maintenance inspections are scheduled and recorded using the Equipment Management module, the actual PM work orders that constitute a PM worklist are physically stored in the Work Order file. Special options exist for displaying incomplete work orders and for transferring electronic work orders (work requests typed into DHCP by end-users and not by Engineering) from a "receiving area" to a working shop.

### **Project Planning**

The Project Planning module provides enter/edit options for information that appears on the 5-Year Plan for each project. It also has options to process information required for project application forms and Prioritization Scoring Sheets for NRM, Minor, and Minor Misc. programs.

The Approval of Project Application option controls the Chief Engineer's and VAMC Director's sign off on the project application. The security key ENPLK001 controls the Chief Engineer's approval. The security key ENPLK002 controls the VAMC Director's approval. The Chief Engineer must sign off before the VAMC Director. Both must approve before the project application can be transmitted electronically to higher approval authorities.

The Report/Print Menu options provide print-outs of the reports and forms required by project planning.

The Electronic Transmission Menu contains options for electronic transmission of the 5-Year Plan and Project Application data elements.

## **Project Tracking**

The Project Tracking module is used to record significant events during construction and nonrecurring maintenance projects when the management of such a project has been delegated to the facility. Selected data elements are extracted from the Construction Project file and electronically transmitted to the Regional Construction Office and VACO. In this way, up-to-date project tracking information is made available to all interested parties with a minimum of data entry.

The content of the most recent electronic project progress report is always available for reference. Printouts of progress reports will include an asterisk beside data that differs from what was previously reported. If progress reports are directed to a CRT, changes will be highlighted.

## **Equipment Management**

The Equipment Management module contains the options to maintain inventory and preventive maintenance information, print bar code labels, download control programs to portable bar code readers, upload data from portable bar code readers to DHCP, and to manage CMR (Consolidated Memoranda of Receipt).

Equipment records generally exist for non-expendable personal property, building service equipment, and for equipment that is classified as expendable from the materiel management point of view but which must be periodically inspected by Engineering. These inspections are necessary to satisfy the requirements of JCAHO (Joint Commission on the Accreditation of Healthcare Organizations) and/or other regulatory bodies. The Equipment Management module includes all options necessary for establishing and maintaining a comprehensive preventive maintenance program. Bar coding is now an integral part of the equipment management strategies.

The reports available through the Equipment Management module include:

- 1 Repair histories,
- 2 CMR listings,
- 3 Aggregated repair histories (by Equipment Category),
- 4 Warranty expiration listings,
- 5 Equipment replacement listings,
- 6 Equipment with high failure rates, and
- 7 Preventive maintenance workload (by shop).

The Equipment Management module is tightly coupled to the Work Order module. Equipment Histories are automatically updated as work orders are closed out. Redundant data entry is avoided whenever possible.

Although entries in the Equipment Repair Histories are most commonly made by the system when work orders are closed out, users can also make entries without going through the Work Order module. Equipment records to be updated by direct posting may be selected individually or they may be contained in a VA FileMan sort template. If a sort template is used, it must begin with "ENPOST."

### **Program Management**

The Program Management module contains options for site-specific population and/or maintenance of files used in the Engineering package. This option is only available to the Engineering Applications Manager or Engineering Site Manager. It is where the various lists are established and maintained. The Engineering Employee file and the Equipment Category list must be maintained on a continuing basis. Populated copies of the Equipment Category file are available from your supporting ISC upon request.

### **Space/Facility Management**

This module is used to maintain data on physical locations within the host facility (usually a VA Medical Center). Data elements include square footage; wall, ceiling and floor finishes; window types and treatments; and other architectural features. This module also provides control of locks and keys throughout a facility. Bar coded location labels are printed from the Space file on the basis of room number. Facilities that intend to take advantage of the bar code features in the Equipment Management module should insure that the Building file is completely current and that the Space file contains at least a room number (including building and division, if applicable) for each physical location. The proper format for a room number (which must be unique and unambiguous) is Room-Building-Division. Most single division facilities will need to enter only Room-Building.

### **The 2162 Accident Reporting**

This module collects the data elements of VA Form 2162 so that accidents and on-the-job injuries can be aggregated and analyzed by Service/Section, cause of accident, nature of accident, etc.

### **Assign (Transfer) Electronic Work Orders**

This option was developed to facilitate the process of transferring electronic work orders from the receiving area(s) to a working shop. Users may also disapprove electronic work orders when necessary. In such a case, the COMMENTS field is automatically mailed to whoever entered the work order, along with the information that the request has been disapproved.

**IT Equipment Tracking**

This module contains options for IT staff to edit selected equipment inventory data of IT equipment, track IT equipment, and assign responsibility for IT equipment to individuals. The module contains options for individuals to accept responsibility for IT equipment by signing an electronic hand receipt. The module also provides IT staff with access to select Equipment Management module options.

IT equipment is identified based on the CMR (EIL) field. If an equipment item is on a CMR with IT TRACKING equal to YES, the equipment is considered tracked IT equipment. The CMR File Enter/Edit [ENCMR] option can be used by Acquisition & Materiel Management (A&MM) to edit the IT TRACKING field.

Only tracked IT equipment can be edited using the Inventory Edit (IT) option. All tracked IT equipment is expected to be assigned to individual IT owners.

The IT Equipment Tracking module is tightly coupled with the Equipment Management module.



# Implementation and Maintenance

## Naming Conventions

The namespace used by the Engineering package is EN. Within this package namespace, the Equipment Management module uses a namespace of ENEQ; the Work Order module uses the namespace of ENWO; the IT equipment tracking functionality uses the namespace ENIT and ENTI; and the Project Planning and Project Tracking modules use the namespace ENP.

## Files

The Engineering package contains 34 files. The file numbers range from 6910 through (and including) 6929; and 7330 through 7339.9.

The File List section of this manual provides additional file information.

## Security Keys

Engineering contains the following security keys.

ENEDCLWO - Enables holders of this key to edit closed work orders.

ENEDNX - Safeguards critical data elements of non-expendable (NX) equipment records in File 6914. Users must hold this key to edit CMR, COST, OWNERSHIP, or CATEGORY STOCK NUMBER using the data entry screens.

ENEDPM - Enables holders to edit Preventive Maintenance parameters of entries in the Equipment Inv. file at completion of screen edit of an equipment record.

ENMGR - Enables holders to access the Engineering Program Management functions. (The appropriate menu option will also need to be assigned.)

ENPLK001 - Controls the Chief Engineer/Designee approval of Construction Project Application.

ENPLK002 - Controls the VAMC Director/Designee approval of Construction Project Application.

ENPLK003 - Controls access to electronic transmission of 5-Yr Plan and Project Application.

ENROOM - Enables holders to edit data elements in the Space file from the Room Display option (ENSPROOMD).

EN IT ASSIGNMENT - Enables holders to create, transfer, and terminate assignments of responsibility for IT equipment. Also provides access to the Add Entry to New Person File option.

EN IT INVENTORY - Enables holders to edit IT equipment in the EQUIPMENT INV. File using the Inventory Edit (IT) option.

## Globals

The Engineering package uses four (4) namespaced globals: ENG, ENAR, ENGS and OFM. Journalling is only recommended for the ENG global.

## Utilities

General purpose utility functions are contained in ENLIB, ENLIB1, and ENLIB2 routines. Bar code utilities are found in routines ENCTFLD, ENCTQUES, ENCTRCH, ENCTRED, and ENCTUTL. Routines in the ENCT namespace are the work of IFCAP developers. The Engineering developer gratefully acknowledges their contributions.

## Resource Requirements

Disk space required for data storage will vary greatly from site to site depending upon such variables as level of activity and archiving policies. At an average site, Engineering files would probably consume between 50 and 100 megabytes of disk space.

This version frequently invokes VA Kernel Version 6.5 or later and VA FileMan Version 18.1 or later for device selection, task queuing, data entry, and data presentation.

The Project Application, 5-Yr Plan and Environmental Analysis (Form 1193a) reports require a printer capable of printing 132 columns. A laser printer is highly recommended for this. Bar code printers and bar code readers are required to use the bar code feature of the Equipment Management module.

## Templates

Wherever possible, Engineering gives sites the option of defining input, print, and sort templates to be used instead of those that are distributed with the package. The general convention is that ENZ\* templates take precedence over all others.

For example, input template ENWOWARD was developed for entry of electronic work orders by non-Engineering personnel. If, however, an input template named ENZWOWARD has been defined then it will be used instead of ENWOWARD.

Allowable ENZ\* templates and their affects are listed below.

### INPUT TEMPLATES

ENZEQENTER	Entry of new equipment records via FileMan line editor.
ENZPMCLOSE	Close out of preventive maintenance (PM) work orders.
ENZSPENTER	Entry of data into the Space file.
ENZWOBIOLSE	Close out of unscheduled biomedical (shop #35) work orders.
ENZWOCLOSE	Close out regular work orders (non-biomedical).
ENZWOEDIT	Edit regular work orders (including those generated by failed PM inspections).
ENZWONEW	Entry of new work orders by Engineering personnel.



ENZWONEWCLOSE	Close out of work orders at the time the work order is entered.
ENZWOWARD	Edit of electronic work order s by the initiator.
ENZWOWARDXFER	Transfer of electronic work orders from a receiving area to a working shop.
ENZWOXFER	Transfer of work orders from one working shop to another.
<b>PRINT TEMPLATES</b>	
ENZCMR	CMR Report (Consolidated Memorandum of Receipt).
ENZEQ EQUIP. LIST	Inventory lists by EQUIPMENT CATEGORY, LOCATION, OWNING SERVICE, RESPONSIBLE SHOP, or USE STATUS. Engineering Software Option INVENTORY TEMPLATE must be set to "L" before this template will take effect.
ENZEQ REPLACEMENT	Equipment replacement report. Engineering Software Option EQUIPMENT REPLACEMENT TEMPLATE must be set to "L" before this template will take effect.
ENZEQ WARRANTY	Warranty expiration report. Engineering Software Option WARRANTY EXPIRATION TEMPLATE must be set to "L" before this template will take effect.
ENZFSA1	Accident reports. Engineering Software Option SAFETY PRINTOUT must be set to "L" before this template will take effect.
ENZSPRM	Space survey reports. Engineering Software Option SPACE SURVEY PRINTOUT must be set to "L" before this template will take effect.
ENZWOD1	Work Orders. Locally developed preamble and postamble routines which should consist of one or more WRITE commands. Output from this routine will appear at the top of the formatted work orders.
ENZWOD2	Work Orders. ENZWO2 should also consist of one or more WRITE commands. Output from this routine will appear at the bottom of the formatted work orders.
<b>SORT TEMPLATES</b>	
ENZCMR	CMR Report (Consolidated Memorandum of Receipt).
ENZLEASE	Space survey of leased buildings.

## **New Functionality**

### **Work Orders/MERS**

Work orders are automatically generated for failed preventive maintenance inspections if the preventive maintenance is recorded via bar code reader or electrical safety analyzer. If being done manually, the user will be prompted for the creation of a regular work order.

The Incomplete Work Order option now allows counts (by shop) as well as by incomplete work orders.

The LOCATION field is now a pointer to the Space file rather than free text.

There is a new set of work actions which includes 31 choices. Before installing Version 7.0, sites must install Patch EN\*6.5\*5. Pointers to the New Work Action file must be established for all existing WORK ACTIONS before Version 7.0 can be installed.

With Version 7.0, as many as four different work actions may be associated with each work order.

Work order numbers can now be printed in bar code on the hard copy of the work order.

### **Projects**

The Five Year Facility Plans can now be prepared within AEMS/MERS and transmitted to the Regions electronically. They may also be printed in hard copy.

Project applications (Form 1193, and Form 1193a) may be entered into AEMS/MERS and electronically transmitted to the Regional Construction Offices for approval. The information will be carried over into the Construction Project Progress Reporting options.

Prioritization scores are calculated for proposed projects in the Nonrecurring Maintenance (NRM), Minor Misc., and Minor programs. The prioritization methodology sheets may be printed.

The Construction Project Progress Report (Form 10-0051) has been redesigned to meet the needs of the regions.

### **Equipment Management**

The LOCATION field is now a pointer to the Space file rather than free text.

Information can be posted to the Equipment Repair Histories without going through the Work Order module. VA FileMan sort templates may be used for this purpose.

### **nSpace/Facility Managemen**

DUsers may now distinguish between leased buildings and other types of space

DProvisions have been made for entering data on planned space as well as actual space. Planne buildings may be associated with projects.

## **Implementation and Maintenance**

## Engineering Initialization Parameters

The Engineering Initialization Parameters of interest are:

- PM Hourly Labor Cost
- Delete PM Work Orders?
- Temporary Work Order Section
- Region
- Equipment Category on Bar code label?
- Equipment Label Print Field
- Companion List Print Field
- Space Function on Location Label?
- Multi-division (Y/N)

Each is described below.

### PM HOURLY LABOR COST

Default value. If a device has an entry for estimated PM hours AND an entry for responsible tech, the labor cost will be taken from the Engineering Employee file (No. 6929). If there is an entry for estimated hours but NO entry for responsible tech, then this hourly figure will be used to compute total labor cost.

### DELETE PM WORK ORDERS?

Setting this field to "YES" will cause PM work orders to be deleted from the system at close out time. Deletion of PM work orders is strongly recommended for sites that are short on disk space. The PMI will be posted to the equipment history (File 6914) before the actual work order is deleted.

### TEMPORARY WORK ORDER SECTION

Intended for use at sites that allow direct entry of Engineering work orders by end-users. Since assignment of work requests to specific shops is an Engineering responsibility, "electronic work orders" are initially directed to a "fictitious shop" (or receiving area). Engineering should clean out a receiving area at least once a day. Electronic work orders may be transferred to working shops or disapproved. The system will keep a permanent record of the number originally assigned to each work order. This number may always be used to look up the request, no matter how many times it's transferred. Initial requesters may edit their requests; but not after Engineering has transferred them. "Fictitious" shops should have numbers in the range of 90 to 99, inclusive. Multi-division sites may have more than one receiving area. If there is more than one receiving area AND if this field (TEMPORARY WORK ORDER SECTION) is left blank, end-users will be asked to specify the appropriate receiving area when they enter a work order.

### REGION

The VA Region (1 through 4) in which facility is located. Used in electronic transmission of Construction Project Progress reports, since exact routing may differ from region to region.

### EQPT CAT ON BAR CODE LABEL?

Should be set to "YES" if you want to print the EQUIPMENT CATEGORY at the top of your bar coded equipment labels (instead of the words "EQUIPMENT LABEL"). Due to space limitations on label stock, only the first 20 characters of the EQUIPMENT CATEGORY will be printable.

### EQUIPMENT LABEL PRINT FIELD

## Implementation and Maintenance

Enter the FIELD NUMBER (from the Equipment file) of a field that you want to have printed in human readable format on your bar coded equipment labels. Please do not enter more than two (2) such fields. If more than two fields are specified, the system will accept the first two and ignore all others. Multiple fields, word processing fields, and computed fields should not be selected for inclusion on bar coded equipment labels.

### COMPANION LIST PRINT FIELD

Enter the FIELD NUMBER (from the Equipment file) of a field that you want to have printed on the "Companion Listings" that are produced along with bar coded equipment labels. Please do not enter more than two such fields. Fields selected for inclusion (in human readable format) on bar code labels are NOT automatically printed on Companion Listings. Multiple fields, word processing fields, and computed fields cannot be printed on Companion Lists.

### SPACE FUNCTION ON LOCATION LABEL?

If set to "YES" and if a SPACE FUNCTION exists for the subject location, then the first 20 characters of the SPACE FUNCTION will be printed in human readable format at the top of the location label.

### MULTI-DIVISION (Y/N)

An indicator of whether a site is single or multi-divisional. Used primarily to determine whether or not users should be prompted for DIVISION when sorting selected reports.

## Engineering Software Options

The following Engineering Software Options are of interest:

- Auto Print New Work Orders
- Equipment Replacement Template
- Expanded PM Work Orders
- Inventory Template
- PM Device Type Identification
- PM Sort
- Print Bar Code on W. O.
- Safety Printout
- Space Survey Printout
- Warranty Expiration Template

Each is described below.

### AUTO PRINT NEW W.O.

Choices for this feature are:

- <S> will print a short summary work order each time a new one is entered
- <L> will print a long W.O. each time one is entered
- <N> will suspend the printing of newly entered work orders

### EQUIPMENT REPLACEMENT TEMPLATE

One standard output of the DHCP Equipment Management module is a listing of all non-expendable equipment due for replacement within a user specified date range. The fields to be printed on this listing are defined by output template ENEQ REPLACEMENT.

You can specify that a different set of fields be printed at your facility. To do this, simply set this software option to "L" and create an output template named ENZEQ REPLACEMENT.

Choices are <L> for local, or <S> for standard (default).

### EXPANDED PM WORK ORDERS

<Y> will cause all the equipment related fields in PM work orders to be filled in using data from the Equipment file.

If this option is not set to <Y>, the system will produce skeleton PM work orders to conserve disk space. Note that information from the Equipment file is always printed on the PM worklists.

## Implementation and Maintenance

### INVENTORY TEMPLATE

One standard output of the DHCP Equipment Management module is a listing of all non-expendable equipment sorted by CMR, EQUIPMENT CATEGORY, LOCATION, OWNING SERVICE, RESPONSIBLE SHOP (Engineering Section), or USE STATUS. The standard output for these reports is defined by output template ENEQ EQUIP. LIST.

If you so desire, you can use a different output template at your facility. To do this, just enter an <L> for this software option and be sure to call your local template ENZEQ EQUIP. LIST.

Choices are <L> for local, or <S> for standard (default).

### PM DEVICE TYPE IDENTIFIER

Choices for this feature are as follows:

- <E> will stand for EQUIPMENT CATEGORY
- <M> will stand for MFG. EQUIPMENT NAME

This option determines what is printed on PMI worklists under the heading of "Equip Category". EQUIPMENT CATEGORY will be printed unless <M> is explicitly entered as the option of choice.

### PM SORT

PM lists are automatically sorted by responsible shop, and by responsible technician within shop. Within tech, a site may choose to have the PM list sorted by PM #, Local Identifier, Location, Device Type, or Owning Service. Choices are, therefore:

- <P> for PM #
- <I> for Local Identifier
- <L> for Location
- <C> for Equipment Category
- <S> for Owning Service

If no choice is made via this file, the user will be asked for a Sort By parameter each time a PM list is requested. Note that all data for the PM lists comes from the Equipment Inventory (File 6914).

### PRINT BAR CODES ON W.O.

- <Y> will cause bar code to be printed at the bottom of hard-copy work orders, provided the printer is capable of printing bar code
- <N> will cause work orders to be printed without bar code

### SAFETY PRINTOUT

Choices for this feature are as follows:

- <L> for local template (template name must be ENZFSA1)
- <S> for standard template

#### SPACE SURVEY PRINTOUT

Choices for this feature are as follows:

- <L> for local template (template name must be ENZSPRM)
- <S> for standard template (ENSPRM)

#### WARRANTY EXPIRATION TEMPLATE

One standard output of the DHCP Equipment Management module is a list of equipment whose warranty expires within a user specified date range. The standard output for this report is defined by output template ENEQ WARRANTY.

You may create a different template for use at your facility. To make this work, you should enter an <L> for this software option and be sure to call your template ENZEQ WARRANTY. Choices are as follows:

- <L> for local template
- <S> for standard template (default)





# Routine Descriptions

Wherever possible, Engineering V. 7.0 references ^TMP instead of the ^UTILITY global. However, since the Archiving module includes routines that were generated via VA FileMan, the ^UTILITY global is still used in this module.

EN	Initializes Engineering System variables.
ENAR	Driver (and Kernel entry point) for Engineering Archive module. This module allows old Engineering Work Orders and old Accident Reports to be stored on tape and then purged from disk.
ENAR1	Checks appearance of Engineering archive global and sets up a few local variables for use in the following archival operations: <ol style="list-style-type: none"><li>1. Find and assemble records</li><li>2. Archive and verify records</li><li>3. Delete archive global</li><li>4. Recall archived records</li></ol>
ENAR2	Displays the identifier of the current "archive data set".
ENARG	Queries the user as to the criteria for archiving (e.g., All Electric Shop work orders completed in FY 90).
ENARG1	Invokes routine ENARG2 to search for records subject to archiving and reports the count to the user for confirmation. If confirmation is given, an archival data set identifier is placed in permanent storage and the user is invited to add a local description. This routine also controls the incorporation of current data dictionaries onto the archive tape.
ENARG2	Builds skeleton archive global (internal entry numbers of records to be archived) and keeps a count.
ENARG21	Extracts data from Work Order file and stores them in the archive global. All pointers are resolved. Work Orders being archived are deleted from the Work Order file at this point in order to reclaim disk space.
ENARG22	Extracts data from the Accident Report file and stores them in the archive global. Pointers are resolved. Accident Reports being archived are deleted from the Accident Report file (#6924) at this point in order to reclaim disk space.

## Routine Descriptions

ENARGO	Moves the archive global onto tape. A tape verification process (just a check to be sure that what was written can actually be read) is performed in program segment V (at the end of disk-to-tape data transfer).
ENARGR	Recalls data from an archive tape. Loads and initializes data dictionaries and loads data elements. Will either load all archived records or search for one particular record (as specified by the user).
ENARL	Maintains a permanent record of all archival transactions by archive data set. Records the date(s) on which an archive data set was assembled, purged from disk, recalled from tape, etc.
ENARY101	Data dictionary for use in archiving Engineering work orders. This routine is saved to archive tape as ENARX101.
ENARY102	Continuation of ENARY101. Saved to archive tape as ENARX101.
ENARY11	Initialization routine for a set of archived Engineering work orders. This routine is saved to archive tape as ENARX11.
ENARY12	Continuation of ENARY11. Saved to archive tape as ENARX11.
ENARY13	Continuation of ENARY11. Saved to archive tape as ENARX13.
ENARY14	Continuation of ENARY11. Saved to archive tape as ENARX14.
ENARY201	Data dictionary used in archiving Accident Reports (Form 2162). This routine is saved to archive tape as ENARX201.
ENARY202	Continuation of ENARY201. Saved to archive tape as ENARX201.
ENARY203	Continuation of ENARY201. Saved to archive tape as ENARX203.
ENARY21	Initialization routine for a set of archived Accident Reports (Form 2162). This routine is saved to archive tape as ENARX21.
ENARY22	Continuation of ENARY21. Saved to archive tape as ENARX22.
ENARY23	Continuation of ENARY21. Saved to archive tape as ENARX23.
ENARY24	Continuation of ENARY21. Saved to archive tape as ENARX24.
ENBCPM	Hard-coded driver for bar code based preventive maintenance inspection module.

ENBCPM1	Controls the download of data acquisition software from DHCP to portable bar code readers. Also initiates the processing of uploaded data by establishing the specific PMI worklist and then looping through the uploaded data to parse out each equipment identifier.
ENBCPM2	Updates basic inventory information for each equipment record in the uploaded data set and handles Exception Messages.
ENBCPM3	Attempts to identify equipment records on the basis of MODEL and SERIAL NUMBER, or VA PM NUMBER.
ENBCPM4	Attempts to post completed Preventive Maintenance Inspections to the Equipment History sub-file by closing out PM work orders.
ENBCPM5	Attempts to post completed Preventive Maintenance Inspections directly to the Equipment History sub-file.
ENBCPM6	Invoked (by routine ENBCPM1) to explain the significance of PMI Exception Messages. Program segment WOCHK checks the Equipment History sub-file to see if PM work order has already been closed out and returns ENWOX=1 if it has.
ENBCPM7	Invoked when a piece of equipment has failed a preventive maintenance inspection. Annotates an existing work order or creates a new one, whichever is most appropriate. User intervention is not expected.
ENBCPM8	Updates the running totals of PM man-hours that are maintained in the Engineering Section file. Invoked by the bar coded preventive maintenance module and by the manual PM work order close-out routines.
ENBCPM9	Physically generates an unscheduled work order. Invoked by routine ENBCPM7.
ENCTBAR	Downloads a data acquisition program from DHCP to a portable bar code reader. References the Barcode Program file (#446.4).
ENCTFLD	Enter/edit entries in a user-created file (#446.5) of bar code label specifications. This file is not needed for bar code based Equipment Management, since hard coded options exist for both equipment labels and location labels.

## Routine Descriptions

ENCTLAB	Uses FileMan to print bar code labels in accordance with specifications contained in the Custom Report file (#446.5). Contains a program segment (SPC) for issuing special instructions to bar code devices. The main portion of this routine (program segment EN) is not explicitly referenced by the Engineering package, since hard coded options exist to print location labels and equipment labels.
ENCTMAN	Schedules processing of data uploaded to DHCP from a portable bar code reader. Not used if the Barcode Program entry (File 446.4) includes a POST UPLOAD ROUTINE (Field #.03). Both of the bar code programs distributed with Engineering 7.0 contain POST UPLOAD ROUTINES.
ENCTMES1	Contains error messages and help text intended to support the use of portable bar code readers in conjunction with DHCP.
ENCTMES2	Help text intended to support the printing of bar code labels in accordance with a user-specified label format. Not explicitly referenced in Engineering 7.0, since hard coded options exist for printing location labels and equipment labels.
ENCTPRG	Uses FileMan (routine DIK) to purge data from the Barcode Program file (#446.4).
ENCTQUES	Miscellaneous utility functions useful in interfacing portable bar code readers with DHCP.
ENCTRCH	A routine for checking the integrity of user-specified bar code label formats. Not explicitly referenced by Engineering 7.0.
ENCTREAD	Controls the upload of data from a portable bar code reader to DHCP. In Engineering 7.0, this routine transfers control to the designated POST UPLOAD ROUTINE upon completion of a successful data upload.
ENCTRED	Processes (compiles) a user-specified bar code label format. Not explicitly referenced by the Engineering package.
ENCTTI	Time handling utility. Used to obtain a unique entry in the Barcode Program file (#446.4) for each discrete data upload.
ENCTUTL	Miscellaneous utility functions related to entries in the Barcode Program file (#446.4).
ENEQ	Main driver for Engineering Equipment Management module. Directly callable. Calls ENEQ1, ENEQRP, ENEQPMP, ENEQPMS and ENEQPMR.
ENEQ1	Processes entry of new record into Equipment Inv. file (single and multiple), as well as edits and displays of equipment records.  Entry of single records may be done via Screen Handler (EN^ENJ) or conventional FileManager (^DIE). The selection of internal entry numbers is made in this routine, but the actual addition of records is made via a call to ^DIC so that bulletins may be triggered. As a safeguard against duplicate entries, users are asked for a PM number (if available) before a new record is created.

There are three entry points for editing equipment records. EDA^ENEQ1 gives write access to all fields; whereas EDE^ENEQ1 and EDS^ENEQ1 give write access to Engineering and Supply data elements, respectively. Editing is performed via the Engineering Screen Handler. ENEQ1 calls ENEQ2 for a portion of multiple record entry and the PM sub-module (routines ENEQPMP and ENEQPMP3) for entry/edit of preventive maintenance parameters.

- ENEQ2                    Called by ENEQ1 when multiple record entry is desired. Once user has input the first record in its entirety, ENEQ1 calls ENEQ2 for processing of second and subsequent records. ENEQ2 copies all fields from the first entry except for SERIAL NUMBER, LOCATION, NXRN, PM NUMBER, and LOCAL IDENTIFIER. User is prompted for these five fields via a call to ^DIE. ENEQ2 calls ENR^ENEQ1 for the purpose of creating new records.
- ENEQCMR                Prints the actual signature page at the end of each CMR (Consolidated Memorandum of Receipt).
- ENEQHS                 Posts closed out Work Order information to the Equipment Inv. file (Equipment History sub-file).
- ENEQNX                 Main driver for non-expendable (NX) inventory module. Driver functionality is used primarily in software development and testing. Calls routines ENEQNX1, ENEQNX3, and ENEQNX4.
- ENEQNX1                The first step in processing a non-expendable inventory reconciliation. Intended to be invoked immediately after data is uploaded to DHCP from a portable bar code reader. The routine essentially steps through the bar code data list identified by ENNXTI (date/time, including seconds). Data elements from this list will belong to one of three possible categories; location labels, equipment labels, or equipment descriptions. Location labels and equipment labels consist of a single record and are normally the result of a successful bar code read (although bar coded information may be entered manually if a bar code label itself is unreadable). Equipment descriptions consist of three records (some of which may be null). These records are (in order of occurrence) Model Number, Serial Number, and Description (free text). IT IS THE RESPONSIBILITY OF SOFTWARE RESIDENT ON THE PORTABLE BAR CODE READER TO INSURE THE EXISTENCE OF THESE THREE RECORDS.
- Each time a location label is found, the location itself is stored in local variable ENLOC. Each location label is assumed to be followed by information on all non-expendable equipment found in that location. The usual entry point is at line EN. Routine will be entered at line RES if and only if a particular session is being restarted. "Session" should be taken to mean processing of data uploaded from a portable bar code reader at a specific date and time. Individual sessions are uniquely associated with entries in the DATE/TIME OF DATA UPLOAD field of the Barcode Program file (#446.4).
- The station number (ENSTA) is extracted from the Engineering Init Parameters file (#6910) and subsequently used to check equipment labels. Labels from other VAMCs (if any) will be reported in Exception Messages and will not be otherwise processed. The check for station number is followed by a prompt for a device on which to print Exception Messages. Possible Exception Messages include LOCATION EXPECTED (if a session fails to begin with a location label); FOREIGN EQUIPMENT (if an equipment label identifies another VAMC); ITEM NOT IN DATABASE; RECORD LOCKED (if another

user is updating an equipment record); and BAR CODE LABEL MISSING (if a piece of equipment is in the database but does not have a bar code label). The text of Exception Messages is stored in local variable ENMSG. Additional descriptive information may be found in a local array whose root is "ENMSG(0, ". Printing of Exception Messages begins at line XCPTN.

The task of processing data uploaded from a portable bar code reader will be queued if queuing is requested by the user in response to the "Select Device for Exception Messages" prompt OR if the TIME TO QUEUE ROUTINE field of the Barcode Program file contains data. Physical data processing begins at line CONT. This label is used as an entry point for tasks queued through %ZTLOAD.

A location label (in the form "SP" \_Room\_ "-" \_Building) is expected at line NEWLOC. When a location label is encountered in the course of processing a list of equipment, control is transferred back to NEWLOC (c.f., line NEWNX+2). THE PROGRAM RESIDENT IN THE PORTABLE READER MAY REQUIRE THE USER TO SCAN LOCATION LABELS TWICE (ONCE ON ENTERING A ROOM, AND AGAIN ON LEAVING) BUT IT IS ASSUMED THAT LOCATION LABELS WILL APPEAR ONLY ONCE IN THE RESULTANT "^PRCT(446.4," GLOBAL, AND THAT THEY WILL IMMEDIATELY PRECEDE A LIST OF EQUIPMENT (IF ANY) FOUND IN THAT LOCATION. IN OTHER WORDS, BAR CODE READERS ARE FREE TO REQUIRE A SECOND SCAN BUT THEY MUST NOT ACTUALLY RECORD IT.

Program segment NEWNX steps through the list of equipment and calls the appropriate subroutine (if necessary) to process each item. Control is transferred to line DONE at the end of the list.

Program segment UPDATE is called by program segment NEWNX and operates on the Equipment Inv. file (#6914). It moves the present value of LOCATION into PREVIOUS LOCATION; stores the content of ENLOC in LOCATION; and inserts the current date (DT) in PHYSICAL INVENTORY DATE. If an update has already occurred on the current date, no action is taken. The assumption in this case is that the transaction in question has already been recorded (perhaps a bar code reader was uploaded twice). In any event, we don't want to reprocess the update because doing so would effectively remove the true PREVIOUS LOCATION.

Program segment DONE deletes the processed portion of the "^PRCT(446.4," global by deleting the subject entry (DATE/TIME OF DATA UPLOAD) from the Barcode Program file.

Program segment ZTSK controls queuing.

#### ENEQNX2

Invoked by ENEQNX1.

Program segment NOLBL processes pieces of equipment that do not have bar code labels. In such cases, it is assumed that the portable bar code reader has prompted the user for Model Number, Serial Number, and a brief Description. These three pieces of information must reside in three separate nodes of the "^PRCT(446.4," global. THESE NODES MAY BE NULL (OR EQUAL TO A SINGLE SPACE CHARACTER) BUT THEY MUST EXIST. Local array EN(0..2) is loaded with the content of these three nodes.

Program segment MATCH is executed only if the model and serial numbers match those of an entry in the Equipment Inv. file. Otherwise the piece of equipment is reported in the Exception Messages.

Program segment MATCH also contains code analogous to that found in program segment UPDATE of routine ENEQNX1.

Program segment MSG is invoked early in the execution of routine ENEQNX1 and simply displays explanatory text regarding Exception Messages to the user.

Program segment ERR is invoked whenever abnormal termination of an update process seems to be in order. The user is presented with the information needed to restart processing of the session at some later time.

### ENEQNX3

This routine examines the Equipment Inv. file (#6914) and lists items NOT found in the course of a physical inventory. The listing itself is called an Exception List. The user must specify a start date (ENFR) for the inventory process. Default value will be the first day of the current month. User will then be asked to select a CMR, unless reconciliation of all CMRs is desired (ENCMR(0)="ALL"). CMR selection is handled in program segment ASK. Note that CMR should be taken to mean an entry in the CMR file (#6914.1) and NOT a list of equipment (which is the general LOG 1 usage of the term).

Program segment DEV prompts the user for a printer on which to produce an Exception List. The actual data processing task will be queued if the user enters a "Q" at this point.

Actual examination of the database begins at line CONT. The first step is to acquire (or confirm) the current date (DT). If reconciliation of ALL CMRs has been requested, this is done in program segments ALL and CMRA. Reconciliation of a single CMR is done within program segment CMR. In either case, the code uses the "AD" cross-reference to step through the Equipment Inv. file and look at each piece of equipment on the subject CMR(s). If PHYSICAL INVENTORY DATE predates ENFR (user specified starting date) or is non-existent, program segment PRNT is invoked. The item in question will now appear on the Exception List unless its USE STATUS (ENSTAT) is LOANED OUT, TURNED IN, or LOST OR STOLEN.

## Routine Descriptions

The following fields are printed on the Exception List:

- Control Number (.01 field)
- VA PM Number
- Location
- Previous Location
- Date Last Inventoried
- Manufacturer Equipment Name (Description)
- Use Status

If the Exception List is produced on a 132 column printer (IOM>100), Equipment Category will also be printed.

Queuing logic is contained in program segment ZTSK.

**ENEQNX4** This routine is used to manually update the inventory fields of an individual equipment record. Lookup is performed in line DIC, after which data on file is displayed.

Line CNFRM asks user to verify that he does indeed wish to update the selected record. If so, routine DIE will be called twice. The first call is transparent to the user and stuffs LOCATION (if it exists) into PREVIOUS LOCATION and stuffs the current date into PHYSICAL INVENTORY DATE. The second call to DIE allows the user to update the LOCATION field and modify PREVIOUS LOCATION and PHYSICAL INVENTORY DATE if necessary.

**ENEQNX5** Manual update of basic inventory information (Equipment LOCATION and last PHYSICAL INVENTORY DATE). The intent is to give a limited number of users a means of entering these data elements via CRT. Under normal circumstances, these fields are automatically updated on the basis of data that's uploaded from portable bar code readers.

**ENEQPMP** Main driver for PM Parameters sub-module. Calls ENEQPMP1 and ENEQPMP2. Also contains code to edit PM schedule of a specific device.

If there is no PM schedule on file, this routine attempts to copy one from the Equipment Category file (using ^%RCR) unless the user indicates a desire to do otherwise. If a schedule copied from the Equipment Category file does not contain a STARTING MONTH, the routine will prompt for one (PMSESM^ENEQPMP). Routine is called at line XNPMSE by Equipment Inv. entry/edit routine (ENEQ1). This feature gives users who hold the appropriate security key (ENEDPM) the opportunity to edit PM data along with other components of the equipment record.

Finally, routine ENEQPMP is callable at line PMSE3 in the event that a user changes the PM schedule for an EQUIPMENT CATEGORY and wishes to apply the changes to existing entries in the Equipment Inv. file. In this case, existing STARTING MONTHs in the Equipment Inv. file will be stored in variable ENB while the PM schedule is being updated. If the new schedule from the Equipment Category file does not contain a STARTING MONTH, then the old STARTING MONTH (if any) is re-entered into the Equipment Record. This feature enables sites to easily change PM FREQUENCIES, CRITICALITY, RESPONSIBLE TECH, and other PM parameters for existing devices without altering an established PM workload balance. The exception flag (ENXP) is defined (set to 1) whenever this routine is called at line XNPMSE. This causes control to be returned to the calling program once the requested edit is complete.



ENEQPMP1	Controls display of PM schedules from both the Equipment Inv. and Equipment Category files. Calls ENEQPMP3 for actual display generation. Processes edits of Equipment Category file (line DTE). Allows user to assign a new PM schedule to all existing equipment records in the subject Equipment Category via a call to PMSE3^ENEQPMP in line DTE5 (c.f., description of routine ENEQPMP). Line SKPCK is called by input transform of SKIP MONTHS subfield of RESPONSIBLE SHOP field of both the Equipment Category and the Equipment Inv. files.
ENEQPMP2	Controls entry, edit and printing of PM Procedures (File 6914.2).
ENEQPMP3	Displays PM schedule in screen-like format. Calls ENLIB1 for date conversion. Expects values (escape sequences) for high and low intensity display (ENHI and ENLO, respectively).
ENEQPMR	Main driver for reporting (posting) completed PM inspections. Calls ENEQPMR1, ENEQPMR2 and ENEQPMR4.
ENEQPMR1	Processes manual close-out of PM worklists. Asks user about automatic deletion of PM work orders after posting, unless the appropriate ENG INIT PARAMETER has been set (c.f., Site Configurable Files and Fields). The initial work order is selected via a call to routine DIC with variable DIC("S") set to screen out all but PM work orders. Subsequently, work orders may be selected by entering the sequential portion only (for ease of use). Close out is performed using template ENPMCLOSE.

## Routine Descriptions

- ENEQPMR2            Entry point for rapid close-out of PM work orders. Rapid close-out essentially assigns a status of PASSED and standard values (if any) for time and materials to each "work order" on the specified PM worklist, except for those "work orders" identified by the user as exceptions. The first program segment (line RCO to RCO2) establishes which worklist is to be closed out. Segment RCO2T explains to the user what is about to happen. Segments RCO21 and RCO3 allow the user to close out work orders individually as necessary. When there are no more work orders to be individually closed out, control is transferred to ENEQPMR3 (G RCO4^ENEQPMR3).
- ENEQPMR3            Completes the rapid close out process. Begins by displaying those PM work orders that were closed out individually under control of ENEQPMR2 and giving the user one last chance to back out.
- Actual closeout is performed by stepping through the "B" cross- reference on the Work Order # file beginning with the first work order on the chosen worklist and ending when the next available work order does not belong to said worklist. Worklist specification is contained in variable ENPMWO("P"). The user may elect to have the actual closeout processed as a background job (thereby freeing up his/her terminal), but the process may not be queued for some later time. The advantages of having these important tasks performed on an attended system are thought to outweigh any degradation in response time that may ensue.
- ENEQPMR4            Processes the posting of individual unscheduled PM inspections to the Equipment History. Performance of PM inspections off-schedule generally occur as a result of other maintenance activity. Calls routine ENEQPMR5.
- Routine first queries user for shop, date, and type (MONTHLY or WEEKLY) of PM inspection. Responses are used to construct non-sequential portion of PM work order. User is then asked to identify the piece of equipment to be inspected. If a work order for the specified PM already exists, the user is asked to close it out (program segment SDPM3). If such a work order does not exist, control is transferred to routine ENEQPMR5. ENEQPMR4 also contains help text for questions dealing with PM worklists (segment COH and COBH).

ENEQPMR5            Completes posting of individual PM inspections. Work order is created in lines SDPM4 to SDPM42. Sequential portion is generated only if the user wishes to retain the work order after posting. Once work order is created, it is immediately closed out. If COMPLETION DATE is not entered, work order is retained (sequential portion is added if necessary) and control is returned to the calling program (G SDPM2^ENEQPMR4). If COMPLETION DATE does exist (as is normally the case) routine displays the next scheduled PMI (program segment SDPM5) if appropriate and gives the user an opportunity to adjust the PMI schedule (line SDPM71). Control is then returned to the calling program.

ENEQPMR6            Automatically assigns a PM STATUS of DEFERRED to all work orders on a user-specified PM worklist. The current date is used as the work order close-out date. PM work orders are deleted after the deferral has been posted to the Equipment History unless the user specifies otherwise.

Program segments RD and RD1 establish the identity of the PM worklist.

Program segment RD2 explains the action that is about to take place and solicits confirmation from the user.

Rapid deferral works by stepping through the "B" cross-reference of the Work Order file.

ENEQPMS            Main driver for generation of preventive maintenance (PM) worklists and systematic deletion of PM work orders. Calls ENEQPMS1 for PM worklist generation and ENEQPMS4 for PM work order deletion.

Generation of PM worklists may be thought of as a four step process.

1. Establish the type of worklist desired and how it is to be sorted.
2. Identify the specific devices that should be included on said worklist.
3. Create a PM work order (unless one already exists or has been closed out and deleted) for each device identified in Step 2.
4. Print the worklist. The inter-relationship of Steps 1 through 3 is sequential, whereas Steps 3 and 4 are performed in parallel.

## Routine Descriptions

- ENEQPMS1** Collects parameters needed for generation of PM worklist; including month, week number (weekly worklists only), sort parameter, responsible technician, responsible shop(s) and levels of CRITICALITY. If a PM SORT parameter has been entered in the Eng Software Options file (c.f., Site Configurable Files and Fields) the user will not be prompted for sort parameter. Calls ENEQPMS3 for processing sort parameters other than VA PM NUMBER and ENEQPMS2 for selection of devices to be included on subject worklist.
- ENEQPMS2** Creates sorted list in the ^TMP global of internal entry number of all devices meeting the criteria for inclusion in subject worklist.
- The "AB" cross-reference on File 6914 is used to examine each device for which the Engineering Shop in question has PM responsibility. If a device qualifies for inclusion on the basis of parameters specified by the user in requesting the worklist (line LSTC to LSTC1), the routine then examines the stored PM schedule to see if it is due for inclusion on that basis as well. Monthly worklists encompass the following frequencies: ANNUAL, SEMI-ANNUAL, QUARTERLY, BI-MONTHLY and MONTHLY. Weekly worklists are composed solely of the frequencies BI-WEEKLY and WEEKLY. In preparing a monthly worklist, the STARTING MONTH (variable ENSTMN) is taken into account for all frequencies except MONTHLY.
- ENEQPMS3** Establishes range for all sort parameters except VA PM NUMBER, for which the concept of range is unsupported. Called by ENEQPMS1. Establishment of a range at this point will generally result in a subset of what would have otherwise been the entire worklist. If the user indicates (line SPLO) that the entire worklist is desired, then ENSRT ("ALL") is set to 1 and control is returned to the calling program. Otherwise control is directed to the program segment (I, L, D, or S) that has been coded for the chosen sort parameter. If the sort parameter (ENSRT) is "L" for LOCATION, the routine will attempt to interpret LOCATION as the value of WING in the Eng Space file. For the purpose of producing a PM worklist, WING is a more meaningful sorting parameter than ROOM-BUILDING.
- ENEQPMS4** Contains help text for choosing the sort parameter and controls deletion of individual PM work orders and entire PM worklists. PM worklists are intended to be deleted immediately after being printed at sites that choose not to post them to the Equipment Histories. Program segment DEL1 processes deletion of individual PM work orders. The first selection must be entered in its entirety, whereas subsequent selections may be specified by entering only the sequential portion of the PM work order number. Calls to ^DIC are used to validate selections. Actual deletion is achieved by invoking ^DIK.
- Segment DEL2 handles worklist deletion. Once the user has specified the worklist itself (lines DEL2 to DEL22), the routine tallies the number of PM work orders on said list and presents the result to the user for confirmation. Actual deletion of entire worklists may be queued to run during non-peak hours and invokes ^DIK.
- ENEQPMS5** Reads the sorted list generated by ENEQPMS2 and creates PM work orders as needed. Called by ENEQPMS2. Calls ENEQPMS6 to print header and ENEQPMS7 to print worklist entries.
- The sorted list contained in the ^TMP global contains five subscripts in addition to \$J (four sort parameters and the equipment identifier). The first two sort parameters (ENSHKEY and ENTECH) are the shop and responsible

technician, respectively. If a device does not have a RESPONSIBLE TECHNICIAN assigned, ENTECH will be zero. If there were no RESPONSIBLE SHOP, the device would not be in the sorted list to begin with.

The next two sort parameters are "read into" variables ENC and ENE. If the user chose VA PM NUMBER as the sort parameter (ENSRT="P") when building the list, then ENC will equal the PM NUMBER and ENE will be zero. Otherwise ENC will equal the value of the user specified sort parameter and ENE will equal the PM NUMBER.

The "G" cross-reference on the Work Order # file is used to determine if the necessary work order already exists and the Equipment History is searched to be sure that such a work order hasn't already been posted and deleted (lines PR2 and PR2+1).

PM work orders are created via hard code and are designed to contain as little redundant information as possible. TEST^ENWOCOMP is called to add newly created PM work orders to the cross-reference of incomplete work orders.

#### ENEQPMS6

Prints page header for PM work lists. Called by ENEQPMS5. Also contains code to print special messages on worklists for devices that may require extra attention. This program segment (line WARNNG) is called by routine ENEQPMS7.

## Routine Descriptions

ENEQPMS7	Prints entire PM worklists. Called by ENEQPMS5. Expects internal entry number of Equipment Inv. record in variable DA. Fields from the record pointed to by DA are stored in local variables until printed, primarily for clarity and ease of maintenance.
ENEQPMS8	Sorts the PM Worklist by LOCATION. Expects LOCATION to be in the standard format (ROOM-BUILDING-DIVISION). Sorts first by DIVISION (if applicable), then by BUILDING, and finally by ROOM.
ENEQRP	Main driver for Equipment Reports. Calls ENEQRP1, ENEQRP2, ENEQRP3 and ENEQRP5.
ENEQRP1	<p>Produces FileManager printouts of entries in the Equipment Inv. file where warranty expires within a user specified date range.</p> <p>Produces a similar listing of non-expendable equipment scheduled for replacement within a user specified date range. Sites may elect to specify the output themselves by creating print templates ("ENZEQ WARRANTY" and/or "ENZEQ REPLACEMENT") and setting the appropriate ENG SOFTWARE OPTION(S). Please refer to the Site Configurable Files and Fields section for more information.</p> <p>ENEQRP1 also produces equipment maintenance histories in the segment from line HS to HSD1+2. These histories include acquisition data and all parts and labor costs (including vendor service and preventive maintenance) that are on file. If the device in question has been identified as a PARENT SYSTEM, then maintenance histories of each of its components will be generated as well (with page breaks between each). Totals and Grand Totals (in the case of PARENT SYSTEMS) are accumulated in variables ENT and ENGT, respectively.</p>
ENEQRP2	Produces an aggregated repair history for all devices belonging to a user specified Equipment Category (i.e., discrete entry in File 6911). Once Equipment Category has been specified, ENEQRP2 uses the "G" cross-reference to select appropriate records from the Equipment Inv. file (#6914). Data is collected from the EQUIPMENT HISTORY field (node 6 of File 6914) and held in subscripted scratch variables until print time.

ENEQRP3	<p>Produces a listing of discrete devices which have experienced more than a user specified number of repairs within a user specified time frame. User may elect to examine all entries in the Equipment Inv. file, or only those belonging to a specific Equipment Category. User specifies whether or not vendor service is to be counted.</p> <p>Routine examines EQUIPMENT HISTORY field (node 6 of File 6914) of each candidate device (SEARCH^ENEQPR3). If the number of repairs is found to exceed the user specified minimum, the internal entry number of the device is stored in the ^TMP global. When all candidates have been examined, ENEQRP3 transfers execution to FAP^ENEQRP4 for report generation.</p>
ENEQRP4	<p>Prints listing defined by routine ENEQRP3. Reads Equipment Inv. internal entry from the ^TMP global. Root used is ^TMP(\$J,"ENEQFA").</p>
ENEQRP5	<p>Performs gross analysis of preventive maintenance (PM) workload. For a user specified shop (ENGINEERING SECTION), the output of this routine will indicate how many devices are scheduled for PM inspections each month and the approximate amount of time required (assuming standard hours have been entered for each scheduled PM).</p> <p>Variable ENA has 12 pieces (one for each month). It contains the scheduled PM workload distribution for each subject device, exclusive of WEEKLY and BI-WEEKLY PMs which are reflected in variable ENA("W"). ENA and ENA("WT") are re-initialized with the selection of each new device. Subscripted variables ENC and ENT (subscripts are integers from 1 to 12) contain running totals of device counts and scheduled hours, respectively, for each month.</p>
ENEQRPI	<p>Uses FileManager (D EN1^DIP) to generate a listing of non-expendable equipment by CMR, EQUIPMENT CATEGORY, LOCATION, OWNING SERVICE, RESPONSIBLE SHOP, or USE STATUS. Sites may elect to specify their own output by creating a print template called ENZEQ EQUIP. LIST and setting the ENG SOFTWARE OPTION called INVENTORY TEMPLATE to "L".</p>
ENETRAN	<p>Gathers internal entry numbers of pending Electronic Work Orders into the ^TMP global in preparation for screen display. If the site has defined an explicit TEMPORARY WORK ORDER SECTION, this is the "shop" that will be processed. If not, all shops with SECTION NUMBERS between 90 and 99 (inclusive) will be processed.</p>
ENETRAN1	<p>Collects data elements from the work orders gathered by routine ENETRAN and presents them to the user in the form of a screen. User is asked which (if any) of these work orders should be transferred (assigned) to a working shop. Users may pick individual work orders from the list; select a range of work orders; or elect to process ALL candidate work orders.</p>
ENETRAN2	<p>Actually transfers the work orders selected in routine ENETRAN1 from their temporary receiving area to a working shop. User has the ability to DISAPPROVE Electronic Work Orders as well as to transfer them. Uses input template ENWOWARDXFER in transferring (unless ENZWOWARDXFER is on file) and input template ENWODISAP in disapproving (unless ENZWODISAP is on file).</p>

## Routine Descriptions

ENEWOD	Collects data elements from an Engineering Work Order in preparation for screen display. The actual screen format is a modified version of a display screen commonly used by Engineering personnel. The goal was a display format that does not include unnecessary or sensitive information. This routine is intended for use by end-users of the Electronic Work Order module.
ENEWOD1	Physically displays (or prints) the data elements gathered by routine ENEWOD. Unlike its more conventional analog in the Engineering package (routine ENWOD1) this routine does not allow users to screen-edit Engineering work orders. Developed in support of the Electronic Work Order module.
ENFSA	2162 Accident Form entry point; contains hardcoded menu driver for module.
ENFSA1	2162 Summary Report parameters are specified and set up for FileManager.
ENFSA2	2162 Summary report time intervals are selected and set up.
ENJ	The ENJ* routines constitute the screen handler currently used by the Engineering package. This screen handler is serviceable; but is not considered optimal and will be abandoned in favor of the screen handler included with the VA Kernel as soon as that software becomes available.
ENJC2	Continuation of routine ENJ.
ENJDPL	Continuation of routine ENJ.
ENJINJ	Continuation of routine ENJ.
ENJINJ1	Continuation of routine ENJ.
ENJINJ2	Continuation of routine ENJ.
ENJINJ3	Continuation of routine ENJ.
ENJINK	Continuation of routine ENJ.
ENJINQ	Continuation of routine ENJ.
ENJMUL	Continuation of routine ENJ.
ENJPARAM	Continuation of routine ENJ.
ENLBL	Hard-coded driver for printing bar coded equipment and location labels.
ENLBL1	Hard-coded driver for printing bar coded Location labels.
ENLBL10	Prints bar coded equipment labels for a user specified range of VA PM Numbers (program segment PM) or in concert with an existing PM Worklist (program segment WRKLST). Although equipment is selected on the basis of PM Number (in program segment PM), the final printout is sorted by LOCATION.
ENLBL11	Prints bar coded equipment labels for all items on a user-specified PM worklist. Labels are produced in the same order as items on the worklist.



ENLBL12	Prints bar coded equipment labels for all items on a user-specified purchase order.
ENLBL15	Prints bar coded equipment labels by the LOCAL IDENTIFIER field. Labels may be sorted either by LOCATION or by LOCAL IDENTIFIER (user is asked).
ENLBL16	Handles the printing of data elements on bar coded equipment labels in human readable format. Each site is allowed to choose which (if any) fields are to be included on bar code labels.
ENLBL2	Hard-coded driver for printing bar coded equipment labels.

## Routine Descriptions

ENLBL3	<p>Program segment SD prints a bar coded equipment label for a particular device.</p> <p>Program segment CAT prints bar coded equipment labels for all devices belonging to a user specified Equipment Category. Within the Equipment Category; labels are sorted first by LOCATION and then by EQUIPMENT ID# within LOCATION.</p>
ENLBL4	<p>Physical print of bar coded location labels (program segment LOCPRT). Calls routine ENLBL7 to format the bar code printer (assumed to be an Intermec 8646 or equivalent). Prints an individual room (program segment RM); an entire wing (program segment WING); an entire building (program segment BLDG); or the entire Space file (program segment ALL). All printing is done on the basis of entries in the Space file (File Number 6928). If this routine is being run on an Engineering 6.4 system {as determined by inspection of the ^ENG("VERSION") global}, program segment BLDG will transfer control to routine ENLBL14. This is necessary because the Building file (#6928.3) does not exist on Engineering 6.4 systems.</p>
ENLBL5	<p>Prints bar coded equipment labels for an entire CMR (program segment CMR) or by EQUIPMENT ID (program segment ALL). Note that program segment ALL can easily print labels for the entire Equipment file; if that's what's desired. Labels are first sorted by LOCATION, and then by EQUIPMENT ID# within LOCATION.</p>
ENLBL6	<p>Prints bar coded equipment labels for devices within a general (program segment WING) or specific (program segment RM) location.</p>
ENLBL7	<p>Physical print of equipment labels (program segments NXPRT and PRT). Also writes the proper format specification to the bar code printer (program segment FORMAT).</p>
ENLBL8	<p>Context sensitive help processor useful in the generation of bar coded location labels.</p>
ENLBL9	<p>Prints a "Companion Listing" for a batch of bar coded equipment labels. Companion Listings contain the descriptive information necessary to locate and positively identify a particular piece of equipment. Companion Listings (which are optional) are printed in exactly the same order as the bar code labels themselves. This routine is repeatedly called by the same routine that calls for the physical print of a bar code label.</p>
ENLIB	<p>Package library; contains output port selector, fiscal year and quarter selection.</p>
ENLIB1	<p>Package utility routine. Contains code called by input transforms in the Equipment and Work Order files.</p>
ENLIB2	<p>Package utility routine. Gets data for equipment records from the Control Point Activity file.</p>
ENMAN	<p>Program management routine for Engineering package; allows edit of controlled files and site-specific parameters; contains hardcoded menu for module.</p>

ENNEWPK2	Programmer written initialization routine for Engineering package. This routine deletes former Data Dictionary definitions in preparation for installation of new version.
ENNEWPKG	Pre-initialization routine for the Engineering package. Checks for prerequisite conditions.
ENPL1	<ul style="list-style-type: none"> <li>a. Entry point "A" is referenced in the computed expression for field BLDG DISPLAY (#178) of Construction Project file (#6925). This subroutine concatenates the multiple BUILDING NUMBERS into a string for display in reports, like the project application.</li> <li>b. Entry point "V" is referenced in input transforms for field OFFICIALS NAME (#5) of CITATIONS multiple (#164) and field EVALUATOR (#194.6) of Construction Project file (#6925). This subroutine is used to validate the format of a person's name.</li> </ul>
ENPL1A	Entry point "CHKDATA" is called from ENPL4 and ENPL2, the routines invoked by enter/edit procedures for the 5-Year Facility Plan's construction projects and the Project Application's construction projects, respectively. Code in this module performs consistency checks for critical fields in the project file, in the event the user has Up-Arrowed out of the edit process.
ENPL10	This routine is referenced by option ENPLM06. This routine controls the printing of the Project Application Executive Summary. In the process, it makes direct calls to routine ENPLPB and then depending on Project Program to routine ENPLPA or ENPLPD, which are compiled routines generated from print templates ENPLP006, ENPLP008 and ENPLP009, respectively.
ENPL11	The entry point "A" is referenced by option ENPLM08. This routine controls the printing of the EMIS Construction Program Environmental Analysis form VAF 10-1192a.
ENPL2	<ul style="list-style-type: none"> <li>a. Entry point "ENT" is referenced in option ENPLM05. This subroutine controls the Enter/Edit process for Project Application information.</li> <li>b. Entry point "ACT" is referenced in option ENPLM18. This subroutine controls the Enter/Edit process for Activation Information for projects already on file.</li> </ul>

## Routine Descriptions

ENPL3	This routine calculates the Prioritization Methodology Score for Minor and Minor Design projects. It is called at line tag "K" as the Computed Expression for field VAMC MINOR/MINOR MISC SCORE (#233) of Construction Project file (#6925) and at line tag "IN" by routine ENPL3A during the printing of the Prioritization Methodology Scoring Sheet.
ENPL3A	The entry point "A" is referenced by option ENPLM03. ENPL3A and ENPL3B, together print the Minor Design/Minor Misc. Scoring Sheet. ENPL3A calls ENPL3 for the section scores and total score.
ENPL3B	ENPL3A and ENPL3B, together print the Minor Design/Minor Misc. Scoring Sheet. ENPL3A calls ENPL3B at entry point "D".
ENPL4	The entry point "ENT" is referenced by option ENPLM02. This routine controls the Enter/Edit of information for projects to be included in the 5-Year Plan.
ENPL5	The entry point "IN" is referenced by option ENPLM11. ENPL5, ENPL5A, ENPL5B, and ENPL5C, together print the 5-Year Facility Plan. This routine prompts the user for information needed to compile and print the report and compiles the list of projects by year which will be included.
ENPL5A	ENPL5, ENPL5A, ENPL5B, and ENPL5C, together print the 5-Year Facility Plan. The entry point "IN" is called by routine ENPL5. This routine prints the list of projects for a given Fiscal Year and the list of High Tech/High Cost Equipment for that year.
ENPL5B	ENPL5, ENPL5A, ENPL5B, and ENPL5C, together print the 5-Year Facility Plan. The entry point "L" is called by routine ENPL5A. This routine prints the detail information for projects proposed for the Budget Year of the Plan.
ENPL5C	ENPL5, ENPL5A, ENPL5B, and ENPL5C, together print the 5-Year Facility Plan. The entry point "FE" is called by routine ENPL5. This routine prints the Project Summary by Programs and Fiscal Years.
ENPL6	The entry point "ENT" is referenced by option ENPLM09. This routine controls the Enter/Edit of Environmental Analysis information for the project application.

ENPL7	ENPL7, ENPL7A, ENPL7B, and ENPL7C, together set up the mail message with data from the project application for transmission to higher approval authorities. This routine collects from the user, information necessary to select the project and to determine whether the message is created as a foreground or a background process. It also sets up the initial message segments. Note: The 5-Year Plan Project, Electronic Transmission process uses portions of code from ENPL7 and ENPL7A calling ENPL7 at entry point "ST".
ENPL7A	ENPL7, ENPL7A, ENPL7B, and ENPL7C, together create the MailMan message containing data from the project application. The entry point "B" is called from routine ENPL7. This routine sets up the remaining segments common to the electronic transmission of both the Project Application and the 5-Year Facility Plan Project.
ENPL7B	ENPL7, ENPL7A, ENPL7B, and ENPL7C, together create the MailMan message containing data from the project application. The entry point "I" is called from routine ENPL7A. This routine sets up additional segments for the electronic transmission of the Project Application.
ENPL7C	ENPL7, ENPL7A, ENPL7B, and ENPL7C, together create the MailMan message containing data from the project application. The entry point "N" is called from routine ENPL7B. This routine sets up the final segments for the electronic transmission of the Project Application and makes the call to MailMan to send the message.
ENPL8	This routine is referenced in option ENPLM14. This routine controls the batch transmission of 5-Year Facility Plan projects to higher approval authorities. It divides the transmission into messages of up to 10 projects each.
ENPL8A	This routine is referenced by option ENPLM15. This routine controls the individual electronic transmission of a Project for the 5-Year Facility Plan. It is intended for providing updates on individual projects, rather than, the initial transmission.
ENPL9	This routine is referenced by option ENPLM16. It controls the Project Application Approval Process. This routine checks that the user has the appropriate security key for approval at the Chief Engineer or VAMC Director level.
ENPLPA	This routine is generated by FileMan from print template ENPLP008.
ENPLPA1	This routine is generated by FileMan from print template ENPLP008.
ENPLPB	This routine is generated by FileMan from print template ENPLP006.
ENPLPB1	This routine is generated by FileMan from print template ENPLP006.
ENPLPC	This routine is generated by FileMan from print template ENPLP005.
ENPLPC1	This routine is generated by FileMan from print template ENPLP005.
ENPLPD	This routine is generated by FileMan from print template ENPLP009.
ENPLPD1	This routine is generated by FileMan from print template ENPLP009.

## Routine Descriptions

ENPOST	Post-initialization routine for the Engineering package. Converts data elements and re-indexes if necessary.
ENPROJ	Entry point to the Project Tracking module; contains hardcoded menu driver for module.
ENPROJ1	Sets local variables for report 10-0051.
ENPROJ2	Collects milestone dates into local arrays.
ENPROJ3	Collects A/E and Contractor data into local variables.
ENPROJ7	First stage in electronic transmission of 10-0051. Gives user the choice of sending one project or all of them for which the MONTHLY UPDATES field is set to "YES". Also asks about overwriting previous values.
ENPROJ8	Formats the 10-0051 into local array "MSG(1,".
ENPROJ9	Places the electronic 10-0051 into a Network Mail message and sends it. Also stores transmitted data as the "previous values".
ENPRP	Produces hard-copy Construction Project Progress Reports (VA Form 10-0051).
ENPRP1	Prints the header segment of the 10-0051.
ENPRP2	Prints milestone dates and completion percentages.
ENPRP3	Prints milestone dates and completion percentages.
ENPRP4	Prints milestone dates and completion percentages.
ENPRP5	Prints the Architect/Engineer data block.
ENPRP6	Prints the Contractor data block.
ENSA	Initiates the upload and processing of data acquired via an automated electrical safety analyzer (namely the MedTester, manufactured by Dynatech Nevada). Calls UPLD^ENSA1 to read MedTester data into the ^ENG("TMP" global and exits gracefully if input data are not successfully read. If MedTester data is to be used to close out a PM worklist, this routine establishes the identity of that worklist. This routine also determines whether or not a paper copy of test results is desired (line PAPER) and then calls PROCS^ENSA1 to begin processing.
ENSA1	Acquires physical data from a MedTester (program segment UPLD) and places them in temporary storage in the ^ENG("TMP" global.  Program segments PROCS through OTHER break down the test report into its constituent parts and store them in local variables.  Program segment UPDT makes the appropriate calls to properly update the equipment record and (potentially) the Work Order file.  Routine ENSA7 is invoked if hardcopy test results have been requested.

ENSA2	Attempts look-up based on VA PM Number (program segment PMN). Updates basic inventory data elements (program segment UPDATE) and handles Exception Messages.
ENSA3	Attempts Equipment file look-up on the basis of MODEL and SERIAL NUMBER (program segment NOLBL). Contains exit logic (program segments ERR and EXIT) for the MedTester module.
ENSA4	Attempts to post completed electrical safety inspections to the Equipment Histories by closing out PM work orders.
ENSA5	Attempts to post completed electrical safety inspections directly to the Equipment History sub-file.
ENSA6	Explains the concept of "Exception Messages" to the user and checks (program segment WOCHK) to be sure that the inspection in question has not already been posted.
ENSA7	Actually prints the paper copy of the numerical test results, if desired. Also warns the user of any inconsistency between control number (interpreted as EQUIPMENT ID#) and MODEL-SERIAL NUMBER (program segment DEVCK).
ENSA8	Handles the case of equipment that fails an automated electrical safety test (via the MedTester). Annotates a regular work order if one exists. Otherwise this routine automatically creates a new one.
ENSA9	Generates an unscheduled work order.
ENSED	Screen Server/Edit/Display module used to edit/display construction project information.
ENSED0	Continuation of routine ENSED.
ENSED1	Continuation of routine ENSED.
ENSED2	Continuation of routine ENSED.
ENSP	Keys and replacement schedules; contains hardcoded menu for module.
ENSP1	Space module room and lock reports.
ENSP2	Sets variable for space formatted display; contains hardcoded menu for space survey report selection.
ENSP3	Room space formatted display.
ENSP4	Removes dangling pointers for the Engineering Lock files.
ENSP5	Presents data extracts from the Engineering Space file in comma separated format for acceptance by spreadsheets.

## Routine Descriptions

ENSP6	Main driver for leased space options.
ENTEXT	Parses text into 80 character segments.
ENTIDD	Software called by input transforms and cross-references.
ENTIEQE	New routine invoked by the ENIT INVENTORY EDIT option.
ENTINS D	New routine invoked by new style MUMPS cross-references on the NON-SPACE FILE LOCATION and LOCATION fields to trigger other fields and generate bulletins.
ENTINSR	New routine invoked by the ENIT NON-SPACE FILE LOC RPT option.
ENTIRA	New routine invoked by the ENIT ASSIGN RESP option.
ENTIRC	New routine invoked by the ENIT CERTIFY RESP option.
ENTIRN	New routine invoked by the ENIT RESP NOTIFY option.
ENTIRRE	New routine invoked by the ENIT EQUIP RPT option.
ENTIRRH	New routine to print a hand receipt.
ENTIRRH1	New routine to print a hand receipt (continuation).
ENTIRRI	New routine invoked by the ENIT INDV RESP RPT (COM) and ENIT INDV RESP RPT (IT) options.
ENTIRRNA	New routine invoked by the ENIT RESP NOT ASSIGNED RPT option.
ENTIRRU	New routine invoked by the ENIT RESP UNSIGNED RPT option.
ENTIRRX	New routine invoked by the ENIT SIGN EXCEPT RPT option.
ENTIRS	New routine invoked by the ENIT RESP SIGN option.
ENTIRT	New routine invoked by the ENIT TERMINATE RESP option.
ENTIRX	New routine invoked by the ENIT TRANSFER RESP option.
ENTIUTL	New routine containing various utilities for IT equipment tracking.
ENTIUTL1	New routine containing various utilities for IT Equipment tracking.
ENTIUTL2	New routine containing various utilities for IT Equipment tracking.
ENWAPRE	Pre-init for the ENWAI* routines. These routines install the new work actions. This must be done prior to installation of Engineering 7.0 so that routine ENPOST will be able to convert existing data.



ENWARD	<p>Allows end-users of the Electronic Work Order module to edit work requests which they themselves have entered, but only until such time as Engineering Service transfers them from their temporary receiving area to a working shop. Editing is governed by input template ENWOWARD (File 6920) unless ENZWOWARD has been defined.</p> <p>Program segment WRDCK allows end-users to check the status of any Engineering work order in the system; but contains no edit capability. Routines ENEWOD and ENEWOD1 are invoked.</p>
ENWARD1	<p>Produces a list of incomplete Engineering work orders for end-users of the Electronic Work Order module. List may be generated by LOCATION, by SERVICE, or by the DHCP user who physically entered such requests.</p>
ENWARD2	<p>Continuation of ENWARD1. Evaluates work orders included in the Incomplete Work Order cross-reference (subscripted as "X","UNCOMP") in accordance with criteria established in routine ENWARD1. Matches are stored in the ^UTILITY global (subscript "ENEQ",\$J). Once the ^UTILITY global is built, data elements from the subject work orders are extracted and presented to the user in summary form (line tag PRNTWO through line tag NEXT). If the Incomplete Work Order List is directed to a CRT, the user can obtain an expanded (screen) display of any work order on the list (program segment EXPAND). This segment invokes routine ENEWOD. Hard copy work order printouts are available once the call to ENEWOD has been made.</p>
ENWO	<p>Contains subroutines for work order edits, closing out of work orders and equipment histories; also contains hardcoded menu for module.</p>
ENWO1	<p>Processes Engineering work orders currently on file, via program segments ENT (work order edit) and CLSOUT (close out completed work orders). This functionality is intended for the use of Engineering personnel.</p> <p>Program segments EQHIV and EQHI generate equipment Service Reports from the Work Order file. The print specification is contained in FileMan print template EN EQ HIST (File 6920). These Service Reports can differ significantly from the Equipment Histories produced from the Equipment file (see routine ENEQRP1). Work orders that are not yet completed will be reflected in the Service Report but not in the Equipment History. Work orders that have been archived will be reflected in the Equipment History but not in the Service Report. Sites that delete PM work orders during close out of PM worklists (and most sites do this) will find that completed PM work orders are reflected in Equipment Histories but not in Service Reports; whereas incomplete PM work orders are reflected in Service Reports but not Equipment Histories.</p>
ENWO2	<p>Processes DISAPPROVAL of Engineering work orders. Intended for use by Engineering personnel, mainly in dispositioning Electronic Work Orders. The work order close out process references input template ENWODISAP unless a template named ENZWODISAP has been defined.</p> <p>Program segment MSG is actually called by a MUMPS cross-reference on the STATUS field (#32) of the Work Order file (#6920). Whenever the status of a work order is changed to DISAPPROVED, the package will attempt to send a MailMan message to the individual who entered the request in the first place. The Engineering employee who disapproves the work order will appear as the SENDER of this message.</p>

## Routine Descriptions

ENWOCOMP	Tests to see if Work Order is completed.
ENWOD	Driver for the formatted work order display/edit.
ENWOD1	Builds local array for formatted work order display/edit.
ENWOD2	<p>Prints formatted work order.</p> <p>This routine executes <code>^%ZOSF("TEST")</code> to check for the existence of locally developed preamble and postamble routines (which must be named ENZWO1 and ENZWO2, respectively).</p> <p>ENZWO1 (if it exists) should consist of one or more WRITE commands.</p> <p>Output from this routine will appear at the top of the formatted work orders.</p> <p>ENZWO2 (if it exists) should also consist of one or more WRITE commands. Output from this routine will appear at the bottom of the formatted work orders.</p>
ENWOD3	Continuation of formatted work order print (routine ENWOD2).
ENWOINV	Called by cross-reference on the EQUIPMENT ID # field of the Work Order file. Transfers basic inventory information into the Work Order file (or deletes it) when a value is entered (or deleted) in the EQUIPMENT ID # field.
ENWONEW	Creates new Engineering work orders. Shop and date are incorporated into the computer generated work order number. Work orders may be edited and/or printed immediately after being entered. Sites that have elected to have new work orders printed automatically will not be asked the "Print this work order?" question.
ENWONEW1	Transfers an existing Engineering work order to a different shop. A new work order number is created, but the internal entry number of the subject work order is not affected. The ORIGINAL WORK ORDER # is never changed by the transfer process. User will be asked if he/she wants to edit work order. Edit will be screen driven except in the case of Electronic Work Orders. For Electronic Work Orders the edit will be via FileMan using input template ENWOWARDXFER; except that if the site has defined an input template named ENZWOWARDXFER then it will be used instead of ENWOWARDXFER.
ENWONEW2	Continuation of ENWONEW.
ENWOP	Prints incomplete work orders (by shop) in accordance with criteria established by routine ENWOST. Invoked by ENWOST.
ENWOP1	Writes the synopsis (2 or 3 lines) of each incomplete work order.
ENWOP2	Gives the counts (by shop) of incomplete work orders. Invoked by routine ENWOST.
ENWOP3	Checks incomplete work orders to see if they meet search criteria. Collects local variables and invokes the print logic (ENWOP1).

ENWOREP	Prints (or re-prints) all Engineering work orders entered between user-specified START and STOP dates. Can be run for one particular Engineering Section or for ALL Sections. Work order selection is made on the basis of WORK ORDER # (.01 field of File #6920).
ENWOST	Generates work order status by Employee, Location, Owner/ Department or Shop; also contains hardcoded menu for type of status requested.



# File List

## 6910 ENG INIT PARAMETERS

Engineering site parameter file. There should only be ONE entry in this file. If there is more than one entry, the routines will not know which one to believe and are likely to produce unexpected results.

## ENGINEERING COMPUTER PORT

Used by package specific device selection logic to assist users in identifying output devices. As a rule, only hardcopy print devices should be contained in this file. The intent is to discourage users from inadvertently sending output to a CRT or some other device not intended for printing.

## ENG SOFTWARE OPTIONS

Used by developers to contain information that governs the performance of selected options. When choices have to be made and there is no clear consensus among stations as to which choice is most advantageous, an attempt is usually made to make the subject parameter site selectable by including it in this file.

## 6910.9 ENG DJ SCREEN

File of screens used by Engineering Screen Handler.

## 6911 EQUIPMENT CATEGORY

This file contains default PM (preventive maintenance) parameters for device types. The intent is to give facilities a means of scheduling PM inspections for a given device type (defibrillator, transformer, electrical generator, etc.) without having to explicitly edit the record of each individual piece of equipment. If the PM parameters in the Equipment file (File 6914) do not agree with the corresponding PM parameters in this file, the information in the Equipment file will take precedence.

## 6912 MANUFACTURER LIST FILE

List of manufacturers. Centrally maintained, courtesy of Engineering Service Center, St. Louis.

## 6914 EQUIPMENT INV.

Repository of all capital assets. Typically used by Engineering and Supply Services. Ultimately envisioned as a "front-end" for a central capital assets tracking program, such as LOG1 and/or ISMS.

## CMR

Consolidated Memoranda of Receipt in use at your facility. Basic instrument for establishing accountability for non-expendable equipment.

## PM PROCEDURES

File of formal procedures used at the host site in the performance of scheduled maintenance (PMI). If a facility wants their source documents in electronic format and is willing to accept the limitations of the FileMan word-processing editor, then the actual step by step text of a PM Procedure may be stored in this file.

### 6916 BERS SURVEY

Used for submission of an annual report on Biomedical Engineering Resources. This report is prepared by each site and submitted to the National Engineering Service Center in St. Louis.

## HAND RECEIPT TEXT

This file contains versions of the hand receipt text displayed to users when they accept responsibility for IT equipment. The text versions are distributed via nationally issued patches to the Engineering package. For each version a checksum is calculated to detect unauthorized modifications.

## IT ASSIGNMENT

This file contains assignments of responsibility for IT equipment. The data is only intended to be updated via package options. Key data values are protected by encryption once the owner has accepted responsibility via electronic signature.

### 6917 CATEGORY STOCK NUMBER

Classification scheme for non-expendable equipment.

### 6919 ENG ARCHIVE LOG

Permanent record of every archival episode performed within the Engineering package.

### 6920 WORK ORDER #

Repository of all work requests directed to Engineering Service. Main file used by the Work Order module.

#### 6920.1 NEW WORK ACTION

Standardized file of Engineering work actions. Introduced with Engineering Version 7. A single work order may have more than one work action associated with it.

### 6921 WORK CENTER CODE

A list of codes which subdivide Engineering Cost Centers into Work Centers.

### 6922 ENGINEERING SECTION LIST

A list of functional sections within Engineering Service.

## 6928.3        ENG BUILDING

A simple file of physical buildings. A "division designation" may be included if needed to distinguish between two buildings having the same number. Suppose, for example, there were two buildings numbered 100 at VAMC St. Louis, one at the John Cochran Division and one at Jefferson Barracks. These two buildings could be entered separately as 100-JC and 100-JB; where "JB" and "JC" are division designators. The same strategy may be useful at facilities that support outpatient clinics, Regional Offices, national cemeteries, etc.

## 6929    ENG EMPLOYEE

Should contain all Engineering employees who may be associated with a Work Order, whether or not they actually have access to this computer.

## 7335.7        REGULATORY AGENCY

File of Regulatory Agencies for documenting citations.

## 7336.3        OFM SPACE CLASSIFICATION

This file is used for Minor Design and Minor Misc. Prioritization Methodology. Here points are given according to the type of space undergoing 100% renovation or new construction.

## 7336.6        OFM H089 CHAPTERS

This contains the H-08-9 Chapters for Space Planning. It is used to identify areas where space is added or renovated in construction projects.

## OFM PROJ CATEGORY

File of Construction Project functional categories.

OFM BUDGET CATEGORY File of  
Construction Project budget categories.

The following files are distributed with data.

BARCODE PROGRAM (Overwrite)  
SPECIALTY COMMANDS (Overwrite)  
ENG SOFTWARE OPTIONS (Overwrite)  
ENG DJ SCREEN (Overwrite)  
MANUFACTURER LIST (Overwrite)  
HAND RECEIPT TEXT (Overwrite)  
CATEGORY STOCK NUMBER (Overwrite)  
NEW WORK ACTION (Overwrite)  
WORK CENTER CODE (Overwrite)  
FSA-ACCIDENT ACTIVITY (Merge)  
FSA-ACCIDENT NATURE (Overwrite)  
FSA-DIVISION/SERVICE (Merge)  
PROJECT STATUS (Overwrite)  
ENG SPACE FUNCTIONS (Merge)  
ENG SPACE UTILITIES (Merge)  
REGULATORY AGENCY (Overwrite)

File List

OFM SPACE CLASSIFICATION (Overwrite)  
OFM H089 CHAPTERS (Overwrite)  
OFM PROJ CATEGORY (Overwrite)  
OFM BUDGET CATEGORY (Overwrite)





## Pointer Relationships of Files

- 
- 
- ENGINEERING PACKAGE
- FILE FIELD STRUCTURE - POINTER RELATIONS
- 
- **FILE NAME (NUMBER): BARCODE PROGRAM (446.4)**
- GLOBAL LOCATION: ^PRCT(446.4,
- 
- DESCRIPTION: This file contains bar code programs and data uploaded from the
- bar code reader to be used as part of the Bar code Inventory process.
- 
- \*\*\* FILE FLOW DIAGRAM \*\*\*
- 
- NOTE) There are no files currently pointing to this file.
- 
- FILE 446.4, BARCODE PROGRAM POINTS TO THE FOLLOWING FILES
- 
- FIELD NO. FIELD NAME FILE NO. FILE NAME
- (SUBFIELD)
- .09 SPECIALTY COMMANDS 446.6 SPECIALITY COMMANDS
- .1 CREATED BY 200 NEW PERSON
- 2 DATE/TIME OF DATA UPLOAD
- (.02) UPLOAD USER 200 NEW PERSON
- 
- **FILE NAME (NUMBER): SPECIALITY COMMANDS (446.6)**
- GLOBAL LOCATION: ^PRCT(446.6,
- 
- DESCRIPTION: This file contains the Specialty Commands for the bar code reader
- and printer to be used as part of the Bar code Inventory process.
- 
- \*\*\* FILE FLOW DIAGRAM \*\*\*
- 
- FILES POINTING TO FILE 446.6, SPECIALITY COMMANDS
- 
- FILE NO. FILE NAME FIELD NO. FIELD NAME
- (SUBFIELD)
- 446.4 BARCODE PROGRAM .09 SPECIALTY COMMANDS
- 
- NOTE) This file does not currently point to any other file.
- 
- **FILE NAME (NUMBER): ENG INIT PARAMETERS (6910)**
- GLOBAL LOCATION: ^DIC(6910,
- 
- DESCRIPTION: Engineering site parameter file. There should only be ONE entry in
- this file. If there is more than one entry, the routines will not know which
- one to believe and are likely to produce unexpected results.
- 
- \*\*\* FILE FLOW DIAGRAM \*\*\*•
- 
- NOTE) There are no files currently pointing to this file.
- 
- FILE 6910, ENG INIT PARAMETERS POINTS TO THE FOLLOWING FILES
- 
- FIELD NO. FIELD NAME FILE NO. FILE NAME
- (SUBFIELD)
- 5 TEMPORARY WORK ORDER SECT\* 6922 ENGINEERING SECTION LIST
- 
- NOTE) \* Names longer than 25 characters have been truncated.
- **FILE NAME (NUMBER): ENGINEERING COMPUTER PORT (6910.1)**
- GLOBAL LOCATION: ^DIC(6910.1,
- 
- DESCRIPTION: Used by package specific device selection logic to assist users in
- identifying output devices. As a rule, only hardcopy print devices should be

•contained in this file. The intent is to discourage users from inadvertently  
 •sending output to a CRT or some other device not intended for printing.

•  
 •  
 •\*\*\* FILE FLOW DIAGRAM \*\*\*

•NOTE) There are no files currently pointing to this file.

•  
 • FILE 6910.1, ENGINEERING COMPUTER PORT POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
.01	DEVICE #	3.5	DEVICE

•  
 •**FILE NAME (NUMBER): ENG SOFTWARE OPTIONS (6910.2)**

•GLOBAL LOCATION: ^ENG(6910.2,

•  
 •DESCRIPTION: Used by developers to contain information that governs the  
 •performance of selected options. When choices have to be made and there is no  
 •clear consensus among stations as to which choice is most advantageous, an  
 •attempt is usually made to make the subject parameter site selectable by  
 •including it in this file.

•  
 •  
 •\*\*\* FILE FLOW DIAGRAM \*\*\*

•NOTE) There are no files currently pointing to this file.

•NOTE) This file does not currently point to any other file.

•  
 •**FILE NAME (NUMBER): ENG DJ SCREEN (6910.9)**

•GLOBAL LOCATION: ^ENG(6910.9,

•DESCRIPTION: File of screens used by Engineering Screen Handler.

•  
 •  
 •\*\*\* FILE FLOW DIAGRAM \*\*\*

•NOTE) There are no files currently pointing to this file.

•NOTE) This file does not currently point to any other file.

## File List

### •FILE NAME (NUMBER): EQUIPMENT CATEGORY (6911)

•GLOBAL LOCATION: ^ENG(6911,

•DESCRIPTION: This file contains default PM (preventive maintenance) parameters for device types. The intent is to give facilities a means of scheduling PM inspections for a given device type (defibrillator, transformer, electrical generator, etc) without having to explicitly edit the record of each individual piece of equipment. If the PM parameters in the EQUIPMENT file (File 6914) do not agree with the corresponding PM parameters in this file, the information in the EQUIPMENT file will take precedence.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6911, EQUIPMENT CATEGORY

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
----------	-----------	-------------------------	------------

6914	EQUIPMENT INV.	6	EQUIPMENT CATEGORY
------	----------------	---	--------------------

FILE 6911, EQUIPMENT CATEGORY POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
1	RESPONSIBLE SHOP		
(.01)	RESPONSIBLE SHOP	6922	ENGINEERING SECTION LIST
1	RESPONSIBLE SHOP		
(1)	TECHNICIAN	6929	ENG EMPLOYEE
1	RESPONSIBLE SHOP		
(3)	FREQUENCY		
(4)	PROCEDURE	6914.2	PM PROCEDURES

### •FILE NAME (NUMBER): MANUFACTURER LIST FILE (6912)

•GLOBAL LOCATION: ^ENG("MFG",

•DESCRIPTION: List of manufacturers. Centrally maintained, courtesy of Engineering Service Center, St. Louis.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6912, MANUFACTURER LIST FILE

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
----------	-----------	-------------------------	------------

6914	EQUIPMENT INV.	1	MANUFACTURER
6916	I.A.1. NAME	5	I.A.1. NAME
		(8)	7b. MFG/EQUIP TYPE/MOD#
		(.01)	7b. MFG NAME
		15	VI.A. CONTRACT SERVICE
		(2)	MANUFACTURER NAME
6920	WORK ORDER #	21.9	MANUFACTURER

•NOTE) This file does not currently point to any other file.

•**FILE NAME (NUMBER): EQUIPMENT INV. (6914)**

•GLOBAL LOCATION: ^ENG(6914,

•DESCRIPTION: Repository of all capital assets. Typically used by Engineering and Supply Services. Ultimately envisioned as a "front-end" for a central capital assets tracking program, such as LOG1 and/or ISMS.

• \*\*\* FILE FLOW DIAGRAM \*\*\*

• FILES POINTING TO FILE 6914, EQUIPMENT INV.

FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
6914	EQUIPMENT INV.	2	PARENT SYSTEM
6920	WORK ORDER #	18	EQUIPMENT ID#

• FILE 6914, EQUIPMENT INV. POINTS TO THE FOLLOWING FILES

FIELD NO.	FIELD NAME	FILE NO.	FILE NAME
(SUBFIELD)			
1	MANUFACTURER	6912	MANUFACTURER LIST FILE
2	PARENT SYSTEM	6914	EQUIPMENT INV.
6	EQUIPMENT CATEGORY	6911	EQUIPMENT CATEGORY
8	FEDERAL SUPPLY CLASSIFICA*	441.2	*** NON EXISTENT FILE ***
10	VENDOR POINTER	440	VENDOR
13.5	ACQUISITION SOURCE	420.8	SOURCE CODE
18	CATEGORY STOCK NUMBER	6917	CATEGORY STOCK NUMBER
19	CMR	6914.1	CMR
21	SERVICE POINTER	49	SERVICE/SECTION
24	LOCATION	6928	ENG SPACE
30	RESPONSIBLE SHOP		
(.01)	RESPONSIBLE SHOP	6922	ENGINEERING SECTION LIST
30	RESPONSIBLE SHOP		
(1)	TECHNICIAN	6929	ENG EMPLOYEE
30	RESPONSIBLE SHOP		
(3)	FREQUENCY		
(4)	PROCEDURE	6914.2	PM PROCEDURES
36	COST CENTER	420.1	COST CENTER
37	SUBACCOUNT	420.2	SUBACCOUNT

•NOTE) \* Names longer than 25 characters have been truncated.

## File List

•**FILE NAME (NUMBER): CMR (6914.1)**

•GLOBAL LOCATION: ^ENG(6914.1,

•DESCRIPTION: Consolidated Memoranda of Receipt in use at your facility. Basic instrument for establishing accountability for non-expendable equipment.

•  
•  
•\*\*\* FILE FLOW DIAGRAM \*\*\*

•  
•FILES POINTING TO FILE 6914.1, CMR

•FILE NO. FILE NAME FIELD NO. FIELD NAME  
•(SUBFIELD)

• 6914 EQUIPMENT INV. 19 CMR

• FILE 6914.1, CMR POINTS TO THE FOLLOWING FILES

• FIELD NO. FIELD NAME FILE NO. FILE NAME  
•(SUBFIELD)

• .5 SERVICE 49 SERVICE/SECTION  
• 1 RESPONSIBLE OFFICIAL 200 NEW PERSON

•**FILE NAME (NUMBER): PM PROCEDURES (6914.2)**

•GLOBAL LOCATION: ^ENG(6914.2,

•DESCRIPTION: File of formal procedures used at the host site in the performance of scheduled maintenance (PMI). If a facility wants their source documents in electronic format and is willing to accept the limitations of the FileMan word-processing editor, then the actual step by step text of a PM Procedure may be stored in this file.

•  
•\*\*\* FILE FLOW DIAGRAM \*\*\*

• FILES POINTING TO FILE 6914.2, PM PROCEDURES

•FILE NO. FILE NAME FIELD NO. FIELD NAME  
•(SUBFIELD)

• 6911 RESPONSIBLE SHOP 1 RESPONSIBLE SHOP  
• (3) FREQUENCY  
• (4) PROCEDURE  
• 6914 RESPONSIBLE SHOP 30 RESPONSIBLE SHOP  
• (3) FREQUENCY  
• (4) PROCEDURE

•NOTE) This file does not currently point to any other file.

**FILE NAME (NUMBER): BERS SURVEY (6916)**

GLOBAL LOCATION: ^ENGS(6916,  
 DESCRIPTION: Used for submission of an annual report on Biomedical Engineering Resources. This report is prepared by each site and submitted to the National Engineering Service Center in St. Louis.

\*\*\* FILE FLOW DIAGRAM \*\*\*

NOTE) There are no files currently pointing to this file.

FILE 6916, BERS SURVEY POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
5	I.A.1. NAME		
(8)	7b. MFG/EQUIP TYPE/MOD#		
(.01)	7b. MFG NAME	6912	MANUFACTURER LIST FILE
15	VI.A. CONTRACT SERVICE		
(2)	MANUFACTURER NAME	6912	MANUFACTURER LIST FILE

**FILE NAME (NUMBER): HAND RECEIPT TEXT (6916.2)**

GLOBAL LOCATION: ^ENG(6916.2,  
 DESCRIPTION: This file contains versions of the hand receipt text displayed to users when they accept responsibility for IT equipment. The text versions are distributed via nationally issued patches to the Engineering package. For each version a checksum is calculated to detect unauthorized modifications.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6916.2, HAND RECEIPT TEXT

FILE NO.	FILE NAME	FIELD NO. (SUBFILE)	FIELD NAME
6916.3	IT ASSIGNMENT	5	HAND RECEIPT TEXT
6916.3	IT ASSIGNMENT	30	PREVIOUS SIGNATURES
		(1)	HAND RECEIPT TEXT

NOTE) This file does not currently point to any other file.

**FILE NAME (NUMBER): IT ASSIGNMENT (6916.3)**

GLOBAL LOCATION: ^ENG(6916.3,  
 DESCRIPTION: This file contains assignments of responsibility for IT equipment. The data is only intended to be updated via package options. Key data values are protected by encryption once the owner has accepted responsibility via electronic signature.

\*\*\* FILE FLOW DIAGRAM \*\*\*

NOTE) There are no files currently pointing to this file.

FILE 6916.3, IT ASSIGNMENT POINTS TO THE FOLLOWING FILES:

FIELD NO. (SUBFILE)	FIELD NAME	FILE NO.	FILE NAME
.01	EQUIPMENT	6914	EQUIPMENT INV.
1	OWNER	200	NEW PERSON
3	ASSIGNED BY	200	NEW PERSON
5	HAND RECEIPT TEXT	6916.2	HAND RECEIPT TEXT
6	CERTIFIED BY	200	NEW PERSON
8	ENDED BY	200	NEW PERSON
30	PREVIOUS SIGNATURES		
(1)	HAND RECEIPT TEXT	6916.2	HAND RECEIPT TEXT
(3)	CERTIFIED BY	200	NEW PERSON

## File List

### FILE NAME (NUMBER): CATEGORY STOCK NUMBER (6917)

GLOBAL LOCATION: ^ENCNS(6917,

DESCRIPTION: Classification scheme for non-expendable equipment.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6917, CATEGORY STOCK NUMBER

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6914	EQUIPMENT INV.	18	CATEGORY STOCK

NUMBER FILE 6917, CATEGORY STOCK NUMBER POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
5	SKU	420.5	*** NON EXISTENT FILE ***
6	FSC CODE	441.2	*** NON EXISTENT FILE ***
8	SUBACCOUNT	420.2	SUBACCOUNT
11	ACTIVATED BY	200	NEW PERSON
13	DEACTIVATED BY	200	NEW PERSON
15	EDITED BY	200	NEW PERSON
16	VENDOR		
(.01)	VENDOR	440	VENDOR

### FILE NAME (NUMBER): ENG ARCHIVE LOG (6919)

GLOBAL LOCATION: ^ENG(6919,

DESCRIPTION: Permanent record of every archival episode performed within the Engineering package.

\*\*\* FILE FLOW DIAGRAM \*\*\*

NOTE) There are no files currently pointing to this file.

NOTE) This file does not currently point to any other file.

### FILE NAME (NUMBER): WORK ORDER # (6920)

GLOBAL LOCATION: ^ENG(6920,

DESCRIPTION: Repository of all work requests directed to Engineering Service. Main file used by the Work Order module.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6920, WORK ORDER #

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
410	CONTROL POINT ACTIVITY	49	SORT GROUP

FILE 6920, WORK ORDER # POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
3	LOCATION	6928	ENG SPACE
7.5	ENTERED BY	200	NEW PERSON
9	SHOP	6922	ENGINEERING SECTION LIST
16	PRIMARY TECH ASSIGNED	6929	ENG EMPLOYEE
16.5	TECHNICIANS ASSIGNED		
(.01)	ASSIGNED TECH	6929	ENG EMPLOYEE
16.5	TECHNICIANS ASSIGNED		
(2)	SHOP	6922	ENGINEERING SECTION LIST
18	EQUIPMENT ID#	6914	EQUIPMENT INV.
21.9	MANUFACTURER	6912	MANUFACTURER LIST FILE
23	OWNER/DEPARTMENT	49	SERVICE/SECTION



31	PARTS ORDERED ON ACC.#	410	CONTROL POINT ACTIVITY
35	WORK ACTION		
(.01)	WORK ACTION	6920.1	NEW WORK ACTION
35.5	WORK CENTER CODE	6921	WORK CENTER CODE

**FILE NAME (NUMBER): NEW WORK ACTION (6920.1)**

GLOBAL LOCATION: ^ENG(6920.1,•

DESCRIPTION: Standardized file of Engineering work actions. Introduced with Engineering Version 7. A single work order may have more than one work action associated with it.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6920.1, NEW WORK ACTION

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6920	WORK ACTION	35	WORK ACTION
		(.01)	WORK ACTION
6920.5	WORK ACTION	1	NEW WORK ACTION

NOTE) This file does not currently point to any other file.

**FILE NAME (NUMBER): WORK CENTER CODE (6921)**

GLOBAL LOCATION: ^DIC(6921,

DESCRIPTION: A list of codes which subdivide Engineering Cost Centers into Work Centers.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6921, WORK CENTER CODE

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6920	WORK ORDER #	35.5	WORK CENTER CODE

NOTE) This file does not currently point to any other file.

**FILE NAME (NUMBER): ENGINEERING SECTION LIST (6922)**

GLOBAL LOCATION: ^DIC(6922,

DESCRIPTION: A list of functional sections within Engineering Service.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6922, ENGINEERING SECTION LIST

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6910	ENG INIT PARAMETERS	5	TEMPORARY WORK ORDER SECT
6911	RESPONSIBLE SHOP	1	RESPONSIBLE SHOP
		(.01)	RESPONSIBLE SHOP
6914	RESPONSIBLE SHOP	30	RESPONSIBLE SHOP
		(.01)	RESPONSIBLE SHOP
6920	WORK ORDER #	9	SHOP
		(2)	ASSISTING TECH
		(2)	SHOP
6929	ENG EMPLOYEE	.3	SHOP

FILE 6922, ENGINEERING SECTION LIST POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
2	DEVICE	3.5	DEVICE
3	PM MONTH		
(1)	TECHNICIAN		
(.01)	TECHNICIAN	6929	ENG EMPLOYEE

## File List

### **FILE NAME (NUMBER): FSA-2162 REPORT (6924)**

GLOBAL LOCATION: ^ENG("FSA",

DESCRIPTION: Information taken from accident reports.

\*\*\* FILE FLOW DIAGRAM \*\*\*

NOTE) There are no files currently pointing to this file.

FILE 6924, FSA-2162 REPORT POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
24	ACCIDENT ACTIVITY	6924.1	FSA-ACCIDENT ACTIVITY
25	SERVICE/DIVISION #	6924.3	FSA-DIVISION/SERVICE
30	INJURY/ILLNESS NATURE	6924.2	FSA-ACCIDENT NATURE

ENGINEERING PACKAGE  
FILE FIELD STRUCTURE - POINTER RELATIONS

### **FILE NAME (NUMBER): FSA-ACCIDENT ACTIVITY (6924.1)**

GLOBAL LOCATION: ^ENG(6924.1,

DESCRIPTION: Standardized functional activities.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6924.1, FSA-ACCIDENT ACTIVITY

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6924	FSA-2162 REPORT	24	ACCIDENT ACTIVITY

NOTE) This file does not currently point to any other file.

### **FILE NAME (NUMBER): FSA-ACCIDENT NATURE (6924.2)**

GLOBAL LOCATION: ^ENG(6924.2,

DESCRIPTION: Physiological manifestation of accident.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6924.2, FSA-ACCIDENT NATURE

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6924	FSA-2162 REPORT	30	INJURY/ILLNESS NATURE

NOTE) This file does not currently point to any other file.

•**FILE NAME (NUMBER): FSA-DIVISION/SERVICE (6924.3)**

•GLOBAL LOCATION: ^ENG(6924.3,

•DESCRIPTION: File of functional divisions within a Medical Center for purposes of cataloging Accident Reports.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6924.3, FSA-DIVISION/SERVICE

FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
6924	FSA-2162 REPORT	25	SERVICE/DIVISION #

•NOTE) This file does not currently point to any other file.

•**FILE NAME (NUMBER): CONSTRUCTION PROJECT (6925)**

•GLOBAL LOCATION: ^ENG("PROJ",

•DESCRIPTION: File of delegated projects. Fund amounts should be recorded in whole dollars only.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6925, CONSTRUCTION PROJECT

FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
6925	DOMINOS	225	DOMINOS
		(.01)	DOMINO PROJECT
6928.3	ENG BUILDING	20	PROJECT NO.

FILE 6925, CONSTRUCTION PROJECT POINTS TO THE FOLLOWING FILES

FIELD NO.	FIELD NAME	FILE NO.	FILE NAME
(SUBFIELD)			
3	MEDICAL CENTER	4	INSTITUTION
6	STATUS	6925.2	PROJECT STATUS
15.3	OLD MEDICAL CENTER	4	INSTITUTION
15.8	OLD STATUS	6925.2	PROJECT STATUS
158.1	PROJECT CATEGORY	7336.8	OFM PROJ CATEGORY
158.2	BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY
159.2	OLD PROJECT CATEGORY	7336.8	OFM PROJ CATEGORY
159.3	OLD BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY
164	CITATIONS		
(3)	CITING AUTHORITY	7335.7	REGULATORY AGENCY
177	BUILDING NUMBER		
(.01)	BUILDING NUMBER	6928.3	ENG BUILDING
180	H089		
(.01)	H089 CHAPTER NAME	7336.6	OFM H089 CHAPTERS
225	DOMINOS		
(.01)	DOMINO PROJECT	6925	CONSTRUCTION PROJECT
245	CHIEF ENGINEER NAME	200	NEW PERSON
248	VAMC DIRECTOR/DESIGNEE NA*	200	NEW PERSON
264	SPACE USE FOR PRIORITIZAT*	7336.3	OFM SPACE CLASSIFICATION
279.1	TRANSMITTER 5YR PLAN	200	NEW PERSON
279.3	TRANSMITTER PROJ APPLICAT*	200	NEW PERSON

•NOTE) \* Names longer than 25 characters have been truncated.

•**FILE NAME (NUMBER): PROJECT STATUS (6925.2)**

•GLOBAL LOCATION: ^ENG(6925.2,

•DESCRIPTION:

\*\*\* FILE FLOW DIAGRAM \*\*\*

## File List

• FILES POINTING TO FILE 6925.2, PROJECT STATUS

•

•FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
• 6925	CONSTRUCTION PROJECT	6	STATUS

•NOTE) This file does not currently point to any other file.

•

•**FILE NAME (NUMBER): EMPLOYEE (KEYS) (6926)**

•GLOBAL LOCATION: ^ENG("KEY",

•

•DESCRIPTION: This file contains the names of employees who have been issued keys and the keys they have been issued.

•

• \*\*\* FILE FLOW DIAGRAM \*\*\*

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• FILES POINTING TO FILE 6926, EMPLOYEE (KEYS)

•

•FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
• 6927	ISSUED TO	5 (.01)	ISSUED TO ISSUED TO

•

• FILE 6926, EMPLOYEE (KEYS) POINTS TO THE FOLLOWING FILES

•

• FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
• .4	SERVICE	49	SERVICE/SECTION
• 1	KEYS ISSUED		
• (.01)	KEYS ISSUED	6927	LOCKS

•

•**FILE NAME (NUMBER): LOCKS (6927)**

•GLOBAL LOCATION: ^ENG("LK",

•DESCRIPTION: Information concerning locks used in the Medical Center; such as control keys, master keys, pathways, etc.

• \*\*\* FILE FLOW DIAGRAM \*\*\*

• FILES POINTING TO FILE 6927, LOCKS

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6926	KEYS ISSUED	1	KEYS ISSUED
		(.01)	KEYS ISSUED
6928	ENG SPACE	2	KEY

• FILE 6927, LOCKS POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
5	ISSUED TO		
(.01)	ISSUED TO	6926	EMPLOYEE (KEYS)

•**FILE NAME (NUMBER): ENG SPACE (6928)**

•GLOBAL LOCATION: ^ENG("SP",

•DESCRIPTION: Main file used by the space module. It contains detailed information on each room within the Medical Center.

• \*\*\* FILE FLOW DIAGRAM \*\*\*

• FILES POINTING TO FILE 6928, ENG SPACE

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6914	EQUIPMENT INV.	24	LOCATION
6920	WORK ORDER #	3	LOCATION

• FILE 6928, ENG SPACE POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
.51	BUILDING FILE POINTER	6928.3	ENG BUILDING
1.5	SERVICE	49	SERVICE/SECTION
2	KEY	6927	LOCKS
2.6	FUNCTION	6928.1	ENG SPACE FUNCTIONS
4.9	H-08-9 CRITERIA	7336.6	OFM H089 CHAPTERS
14	UTILITIES		
(.01)	UTILITIES	6928.2	ENG SPACE UTILITIES

## File List

•**FILE NAME (NUMBER): ENG SPACE FUNCTIONS (6928.1)**

•GLOBAL LOCATION: ^ENG(6928.1,

•DESCRIPTION: Functional areas commonly found in VA facilities.

•  
•\*\*\* FILE FLOW DIAGRAM \*\*\*

•  
•FILES POINTING TO FILE 6928.1, ENG SPACE FUNCTIONS

•FILE NO. FILE NAME FIELD NO. FIELD NAME  
• (SUBFIELD)

• 6928 ENG SPACE 2.6 FUNCTION

•NOTE) This file does not currently point to any other file.

•**FILE NAME (NUMBER): ENG SPACE UTILITIES (6928.2)**

•GLOBAL LOCATION: ^ENG(6928.2,

•DESCRIPTION: Common hospital utilities.

•  
•\*\*\* FILE FLOW DIAGRAM \*\*\*

•  
•FILES POINTING TO FILE 6928.2, ENG SPACE UTILITIES

•FILE NO. FILE NAME FIELD NO. FIELD NAME  
• (SUBFIELD)

• 6928 UTILITIES 14 UTILITIES  
• (.01) UTILITIES

•NOTE) This file does not currently point to any other file.

•**FILE NAME (NUMBER): ENG BUILDING (6928.3)**

•GLOBAL LOCATION: ^ENG(6928.3,

•DESCRIPTION: A simple file of physical buildings. A 'division designation' may be included if needed to distinguish between two buildings having the same number. Suppose, for example, there were two buildings numbered 100 at VAMC St. Louis, one at the John Cochran Division and one at Jefferson Barracks. These two buildings could be entered separately as 100-JC and 100-JB; where 'JB' and 'JC' are division designators. The same strategy may be useful at facilities that support outpatient clinics, Regional Offices, national cemeteries, etc.

•  
•\*\*\* FILE FLOW DIAGRAM \*\*\*

•  
•FILES POINTING TO FILE 6928.3, ENG BUILDING

•FILE NO. FILE NAME FIELD NO. FIELD NAME  
• (SUBFIELD)

• 6925 BUILDING NBR BUILDING NBR  
• (.01) BUILDING NUMBER  
• 6928 ENG SPACE .51 BUILDING FILE POINTER

•  
•FILE 6928.3, ENG BUILDING POINTS TO THE FOLLOWING FILES

• FIELD NO. FIELD NAME FILE NO. FILE NAME  
• (SUBFIELD)

• 5 OWNER STATE 5 STATE  
• 5.6 PROPERTY STATE 5 STATE  
• 20 PROJECT NO. 6925 CONSTRUCTION PROJECT

•**FILE NAME (NUMBER): ENG EMPLOYEE (6929)**

•GLOBAL LOCATION: ^ENG("EMP",

•DESCRIPTION: Should contain all Engineering employees who may be associated with a Work Order, whether or not they actually have access to this computer.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 6929, ENG EMPLOYEE

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6911	RESPONSIBLE SHOP	1	RESPONSIBLE SHOP
		(1)	TECHNICIAN
6914	RESPONSIBLE SHOP	30	RESPONSIBLE SHOP
		(1)	TECHNICIAN
6920	WORK ORDER #	16	PRIMARY TECH ASSIGNED
			ASSISTING TECH
		(.01)	ASSIGNED TECH
6922	PM MONTH	3	PM MONTH
		(1)	TECHNICIAN
		(.01)	TECHNICIAN

FILE 6929, ENG EMPLOYEE POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
.3	SHOP	6922	ENGINEERING SECTION LIST
5	COST CENTER	420.1	COST CENTER

**FILE NAME (NUMBER): REGULATORY AGENCY (7335.7)**

GLOBAL LOCATION: ^OFM(7335.7,

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 7335.7, REGULATORY AGENCY

FILE NO.	FILE NAME	FIELD NO. (SUBFIELD)	FIELD NAME
6925	CITATIONS	164	CITATIONS
		(3)	CITING AUTHORITY

FILE 7335.7, REGULATORY AGENCY POINTS TO THE FOLLOWING FILES

FIELD NO. (SUBFIELD)	FIELD NAME	FILE NO.	FILE NAME
5	STATE	5	STATE

File List

**•FILE NAME (NUMBER): OFM SPACE CLASSIFICATION (7336.3)**

•GLOBAL LOCATION: ^OFM(7336.3,

•DESCRIPTION: This file is used for Minor Design and Minor Miscellaneous  
•Prioritization Methodology. Here points are given according to the type of  
•space undergoing 100% renovation or new construction.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 7336.3, OFM SPACE CLASSIFICATION

•FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
• 6925	CONSTRUCTION PROJECT	264	SPACE USE FOR PRIORITIZAT

•NOTE) This file does not currently point to any other file.

**•FILE NAME (NUMBER): OFM H089 CHAPTERS (7336.6)**

•GLOBAL LOCATION: ^OFM(7336.6,

•DESCRIPTION: This contains the H-08-9 Chapters for Space Planning. It is used  
•to identify areas where space is added or renovated in construction projects.

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 7336.6, OFM H089 CHAPTERS

•FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
• 6925	H089	180	H089
		(.01)	H089 CHAPTER NAME
• 6928	ENG SPACE	4.9	H-08-9 CRITERIA

•NOTE) This file does not currently point to any other file.

**•FILE NAME (NUMBER): OFM PROJ CATEGORY (7336.8)**

•GLOBAL LOCATION: ^OFM(7336.8,

•DESCRIPTION:

\*\*\* FILE FLOW DIAGRAM \*\*\*

FILES POINTING TO FILE 7336.8, OFM PROJ CATEGORY

•FILE NO.	FILE NAME	FIELD NO.	FIELD NAME
		(SUBFIELD)	
• 6925	CONSTRUCTION PROJECT	158.1	PROJECT CATEGORY

FILE 7336.8, OFM PROJ CATEGORY POINTS TO THE FOLLOWING FILES

• FIELD NO.	FIELD NAME	FILE NO.	FILE NAME
(SUBFIELD)			
• 8	MA BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY
• 9	MI BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY
• 10	MM BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY
• 11	NRM BUDGET CATEGORY	7336.9	OFM BUDGET CATEGORY

**•FILE NAME (NUMBER): OFM BUDGET CATEGORY (7336.9)**

•GLOBAL LOCATION: ^OFM(7336.9,

•DESCRIPTION:

\*\*\* FILE FLOW DIAGRAM \*\*\*



FILES POINTING TO FILE 7336.9, OFM BUDGET CATEGORY•  
FILE NO. FILE NAME FIELD NO. FIELD NAME  
(SUBFIELD) •  
6925 CONSTRUCTION PROJECT 158.2 BUDGET CATEGORY  
7336.8 OFM PROJ CATEGORY 8 MA BUDGET CATEGORY•  
NOTE) This file does not currently point to any other file.♦♦

## Files with Security Access

NAME	NUMBER	DD ACCESS	RD ACCESS	WR ACCESS	DEL ACCESS	LAYGO ACCESS
- ENG INIT PARAMETERS	6910	#	e	e	#	
ENGINEERING COMPUTER	PORT	6910.1	#	e	e	#
ENG SOFTWARE OPTIONS	6910.2	#	e	e	#	
ENG DJ SCREEN	6910.9	#	#	#	#	
EQUIPMENT CATEGORY	6911	#	e#	e#	e#	
MANUFACTURER LIST FILE	6912	#	e	e	#	
EQUIPMENT INV.	6914	#	E	#e	#e	
CMR	6914.1	#	#e	#e	#e	
PM PROCEDURES	6914.2	#	E	e	E	
BERS SURVEY	6916	#	e	e	e	e
HAND RECEIPT TEXT	6916.2	@	@	@	@	@
IT ASSIGNMENT	6916.3	@		@	@	@
CATEGORY STOCK NUMBER	6917	#	e	e	e	
ENG ARCHIVE LOG	6919	#	@	@	@	
WORK ORDER #	6920	#	E	e	E	
NEW WORK ACTION	6920.1	#	e	e	e	
WORK CENTER CODE	6921	#	e	e	e	
ENGINEERING SECTION LIST	6922	#	e	e	e FSA-	
2162 REPORT	6924	#	E	e	E FSA-	
ACCIDENT ACTIVITY	6924.1	#	e	e	e FSA-ACCIDENT	
NATURE	6924.2	#	e	e	e FSA-DIVISION/SERVICE	6924.3
# e e e	e	CONSTRUCTION PROJECT		6925	#	
E e E						
PROJECT STATUS	6925.2	@	@	@	@	@
EMPLOYEE (KEYS)	6926	#	E	e	E	
LOCKS	6927	#	E	e	E	
ENG SPACE	6928	#	E	E	E	
ENG SPACE	FUNCTIONS	6928.1	#	e	e	e
ENG SPACE	UTILITIES	6928.2	#	e	e	e
ENG BUILDING	6928.3	#	E	e	E	
ENG EMPLOYEE	6929	#	#e	#e	#e	#e
REGULATORY AGENCY	7335.7	@	@	@	@	@
OFM SPACE CLASSIFICATION	7336.3	@	@	@	@	@
OFM H089 CHAPTERS	7336.6	@	#e	#e	#e	
OFM PROJ CATEGORY	7336.8	@	@	@	@	@
OFM BUDGET CATEGORY	7336.9	@	@	@	@	@

# Exported Options

## **Nonexpendable Equipment Module**

The DHCP nonexpendable equipment file is contained within the Engineering package. Acquisition and Material Management Service personnel engaged in property management activities will need access to selected menu options within the Engineering namespace. Menu option ENMM MGR, Nonexpendable Equipment Module (A&MM), is intended to meet the needs of these users. Users of these options should hold the ENEDNX security key. Not all PPM employees will need to hold keys to all the sub-options contained in ENMM MGR so these options may also be assigned individually. Note that holding the ENEDNX key does not automatically give the menu options to the holder. The menus must be specifically assigned. Users of these options should refer to the documentation for the Equipment Management module.

## **IT Equipment Module**

Patch EN\*7\*87 introduced a new top level menu designed for IT staff. The menu is IT Equipment Module [ENIT MGR]. Users can view and update the non-expendable equipment inventory for IT equipment. The menu also contains options to assign responsibility for IT equipment to individuals and monitor IT equipment. Users must hold the EN IT INVENTORY security key to access the Inventory Edit (IT) option. The EN IT ASSIGNMENT security key is required to create, transfer, and terminate assignments of responsibility for IT equipment. This key also provides access to the Add Entry to New Person File option. Other options on the menu, such as the reports, are not locked by a security key.

## **Menu Structure**

### **ENGINEERING MAIN MENU**

WORK ORDER & MERS

PROJECT PLANNING

PROJECT TRACKING

EQUIPMENT MANAGEMENT

SPACE/FACILITY MANAGEMENT

PROGRAM MANAGEMENT

2162 REPORT OF ACCIDENT

ASSIGN (TRANSFER) ELECTRONIC WORK ORDERS

### **WORK ORDER & MERS**

Enter New Work Order

Edit Work Order Data

Close Out Work Order

Display Work Order

Incomplete Work Order Status

    Incomplete Work Orders by Employee

    Incomplete Work Orders by Location

    Incomplete Work Orders by Shop

    Incomplete Work Orders by Owner/Department

Transfer W.O. to Another Shop

Print Equip. History by Entry Number

Disapprove Work Order

Reprint Work Orders (All Shops)

Print PM Manhours

## **PROJECT PLANNING**

5 Yr Plan Project E/E

Project Application E/E (VAF 10-1193)

Environmental Analysis E/E (VAF 10-1193a)

Activations E/E

Report/Print Menu

- Minor/Minor Misc Prioritization

- NRM Prioritization Scoring Sheet

- Environmental Analysis VAF 10-1193a

- Project Application VAF 10-1193

- 5 Yr Plan Report

Approval of Project Application

Electronic Transmission Menu

- Batch Transmit 5-Yr Plan Projects

- Individual 5-Yr Plan Project Transmission

- Project Application Send

## **PROJECT TRACKING**

Enter Project Data

Screen Review All Data

Preliminary Data Enter/Edit

Approved Dates Screen Edit

Revised Dates Screen Edit

Actual Dates Screen Edit

A/E Data Screen Edit

Contractor Data Screen Edit

Changes & Remarks Screen Edit

Print Project Status Report

Print All Project Status Reports

Transmit 10-0051 Electronically

**EQUIPMENT MANAGEMENT**

New Inventory Entry

Multiple Inventory Entry

Inventory Edit

Display Equipment Record

Equipment Reports ...

- Specific Equipment History

- Equipment Category History

- Inventory Listing ...

  - CMR Inventory (EIL)

  - Equipment Category Inventory

  - Location Inventory

  - Using Service Inventory

  - Responsible Shop Inventory

  - Use Status Inventory

- Warranty List

- Replacement Listing

- Failure Rate Report

- PM Workload Analysis

- Direct Posting to Equipment Histories

PM Parameters ...

- Display Specific Device PM Schedule

- Display Equipment Category PM Schedule

- Print PM Procedure

- Enter/Edit Specific Device PM Schedule

- Enter/Edit Equipment Category PM Schedule

- Enter/Edit PM Procedure

Generate PM Schedule ...

- Monthly PM List

- Weekly PM List

- Delete PM Work Orders

## **EQUIPMENT MANAGEMENT, continued**

### Record Equipment PMI ...

- Close Out PM Work Orders

- Rapid Closeout of PM Work Orders

- Record Single Device PMI

- Bar Coded PMI Functions ...

  - Download PM Program to Portable Bar Code Reader

  - Upload Data From Portable Bar Code Reader

  - Restart Processing of Bar Coded PMI

- Upload Data from MedTester

- Rapid Deferral of PM Worklist

- Print PM Manhours

### Print Bar Code Labels for Equipment Management ...

- Equipment Labels ...

  - Equipment Category Bar Code Labels

  - CMR Bar Code Labels (EQUIPMENT)

  - Bar Code Labels by PM Number

  - Bar Code Labels by General Location (WING)

  - Bar Code Labels by Specific Location (ROOM)

  - Single Device Bar Code Label

  - Equipment Labels by Equipment ID#

  - Bar Code Labels in Conjunction with PM Worklist

  - Bar Code Labels for a Purchase Order

  - Bar Code Labels by LOCAL ID

  - Bar Code Labels by Using Service



## **EQUIPMENT MANAGEMENT, continued**

### Location Labels ...

WING Bar Code Labels

BUILDING Bar Code Labels

ROOM Bar Code Label

ALL Bar Coded Location Labels

### Bar Coded Equipment Inventory Management ...

Download NX Program to Portable Bar Code Reader

Upload Data From Portable Bar Code Reader

Inventory Exception Listing

Manual Update of Equipment Inventory

Restart Processing of Uploaded NX Inventory Data

## **NONEXPENDABLE EQUIPMENT**

### Equipment Enter/Edit (NX) ...

- New Inventory Entry
- Inventory Edit
- Display Equipment Record
- Multiple Inventory Entry
- Manual Update of Equipment Inventory

### Equipment Management Reports (NX) ...

- Specific Equipment History
- CMR Inventory (EIL)
- Warranty List
- Replacement Listing
- Location Inventory
- Using Service Inventory
- Use Status Inventory

### Bar Code Features (NX Equipment) ...

#### Equipment Labels ...

- Equipment Category Bar Code Labels
- CMR Bar Code Labels (EQUIPMENT)
- Bar Code Labels by PM Number
- Bar Code Labels by General Location (WING)
- Bar Code Labels by Specific Location (ROOM)
- Single Device Bar Code Label
- Equipment Labels by Equipment ID#
- Bar Code Labels in Conjunction with PM Worklist
- Bar Code Labels for a Purchase Order
- Bar Code Labels by LOCAL ID
- Bar Code Labels by Using Service

## **NONEXPENDABLE EQUIPMENT, continued**

Location Labels ...

    WING Bar Code Labels

    BUILDING Bar Code Labels

    ROOM Bar Code Label

    ALL Bar Coded Location Labels

Bar Code Features

    Download NX Program to Portable Bar Code Reader

    Upload Data From Portable Bar Code Reader

    Restart Processing of Uploaded NX Inventory Data

    Inventory Exception Listing

NX (Nonexpendable Equipment) Utilities ...

    CMR File Enter/Edit

    Category Stock Number Enter/Edit

## **PROGRAM MANAGEMENT**

Engineering Computer Port

Section List

Work Center Code

Engineering Employee File

Enter/Edit Equipment Category PM Schedule

Manufacturer

ENG SITE PARAMETERS Enter/Edit

SOFTWARE OPTIONS Enter/Edit

Engineering Archive Module

- Find & Assemble Records

- Archive & Verify Records

- Delete Archive Global

- Recall Archive Global

- Review Activity Log

Biomedical Engineering Resource Survey

- Entering Data into the BERS Survey File

- Print Personnel Survey Listing

- Print Contract Survey Listing

- Print General Survey Listing

- Print Additional Survey Listing

Work Action

## SPACE/FACILITY MANAGEMENT

### Space Management ...

- Enter New Room Space Data
- Display/Edit Room Data
- Finish Replacement Schedules Report Menu ...
  - Replacement Schedule for All Finishes
  - Ceiling Replacement Schedule
  - Wall Replacement Schedule
  - Floor Replacement Schedule
- Space Survey Report Menu ...
  - Room/Keying/Function Report
  - Space Survey by Room
  - Service Space Survey
  - Function Space Survey
  - Building Space Survey
  - RCS 10-0141 Report
  - Building Management RCS 10-203, VAF 10-6007a
- Non-Space File Location Report

### Key/Lock Management ...

- Key Distribution by Employee Enter/Edit
- Lock Number File Enter/Edit
- Print Key Distribution By Employee
- Print Employee List sorted by Key
- Print Employee List by Service

### Export Facility Management Data ...

- Output Service/NSF spreadsheet
- Output Function/NSF Spreadsheet
- Output RCS 10-0141 spreadsheet

## **SPACE/FACILITY MANAGEMENT, continued**

### Facility Management Utilities ...

- Edit Space Functions file
- Edit Space Utilities file
- Remove Dangling Pointers in Lock file
- Building File Enter/Edit
- Print All Building Data

### Leased Space Options ...

- Enter/Edit All Lease Fields (BUILDING FILE)
- Enter/Edit Lease Vendor (BUILDING FILE)
- Print Leased Space Survey

### Planning Space Program Menu ...

- Building File Enter/Edit
- Enter/Edit Room Planning Data
- Print Building/Project Space Plan

## **2162 REPORT OF ACCIDENT**

- Enter 2162 Report
- Display 2162 Report
- Edit 2162 Report
- Service/Division Summary Report
- Injury Cause Summary Report
- Accident Nature Summary Report
- Specific Location Summary Report

## **ASSIGN (TRANSFER) ELECTRONIC WORK ORDERS**

## **IT EQUIPMENT MODULE (ENIT MGR)**

Inventory Edit (IT)

Display Equipment Record

Bar Code Features (NX Equipment) ...

Equipment Labels ...

Equipment Category Bar Code Labels

CMR Bar Code Labels (EQUIPMENT)

Bar Code Labels by PM Number

Bar Code Labels by General Location (WING)

Bar Code Labels by Specific Location (ROOM)

Single Device Bar Code Label

Equipment Labels by Equipment ID#

Bar Code Labels in Conjunction with PM Worklist

Bar Code Labels for a Purchase Order

Bar Code Labels by LOCAL ID

Bar Code Labels by Using Service

Location Labels ...

WING Bar Code Labels

BUILDING Bar Code Labels

ROOM Bar Code Label

ALL Bar Coded Location Labels

Download NX Program to Portable Bar Code Reader

Upload Data From Portable Bar Code Reader

Restart Processing of Uploaded NX Inventory Data

Inventory Exception Listing

Specific Equipment History

Display/Edit Room Data

Non-Space File Location Report

## IT EQUIPMENT MODULE (ENIT MGR) , continued

### IT Equipment Responsibility ...

Assign Responsibility

Terminate Responsibility

Transfer Responsibility

Certify Hard Copy Signature

Print Hand Receipt for an Individual

Add Entry to New Person File

### IT Equipment Report Menu ...

Individual Responsibility for IT Assets Report

Unassigned IT Asset Report

Assignments Pending Acceptance Report

Tracked IT Assets Report

Signature Exception Report

Assignment Inquiry

## IT OWNER MENU

Accept IT Responsibility

Individual Responsibility for IT Assets Report

Print My Hand Receipt

Assignment Inquiry

```
FILES POINTING TO FILE 7336.9, OFM BUDGET CATEGORY•
FILE NO. FILE NAME FIELD NO. FIELD NAME
(SUBFIELD)•
6925 CONSTRUCTION PROJECT 158.2 BUDGET CATEGORY
7336.8 OFM PROJ CATEGORY 8 MA BUDGET CATEGORY•
NOTE) This file does not currently point to any other file.♦♦
```





## Exported Options

### Option List

NAME: ENACTUAL MENU TEXT: Actual Dates Screen Edit  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit actual milestone dates on Construction Project(s).  
ROUTINE: PROJ6^ENPROJ  
UPPERCASE MENU TEXT: ACTUAL DATES SCREEN EDIT

NAME: ENAE MENU TEXT: A/E Data Screen Edit  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit basic information on architectural firms retained by facility  
for specific projects.  
ROUTINE: PROJ7^ENPROJ  
UPPERCASE MENU TEXT: A/E DATA SCREEN EDIT

NAME: ENAPPROV MENU TEXT: Approved Dates Screen Edit  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit 'approved' dates on delegated projects. Approved dates  
indicate when certain project milestones were originally scheduled. Adherence to  
these dates is usually important in terms of keeping obligations consistent with an  
established spending plan.  
ROUTINE: PROJ4^ENPROJ  
UPPERCASE MENU TEXT: APPROVED DATES SCREEN EDIT

NAME: ENAR MENU TEXT: Engineering Archive Module  
TYPE: menu CREATOR: 187  
DESCRIPTION: The Engineering Archive module presently services the Work Order and  
2162 Accident Report files. It allows individual records to be stored on tape and  
purged from the disk.  
ITEM: ENAR-ASSEMBLE SYNONYM: 1  
ITEM: ENAR-ARCHIVE SYNONYM: 2  
ITEM: ENAR-DELETE SYNONYM: 3  
ITEM: ENAR-RECALL SYNONYM: 4  
ITEM: ENAR-LOG SYNONYM: 5  
EXIT ACTION: D OUT^ENAR TIMESTAMP: 55586,57291  
UPPERCASE MENU TEXT: ENGINEERING ARCHIVE MODULE

NAME: ENAR-ARCHIVE MENU TEXT: Archive & Verify Records  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Moves a collection of records (archive set) from the archive global  
to tape. This function should be executed immediately after "Find and Assemble  
Records".  
ROUTINE: A^ENAR  
UPPERCASE MENU TEXT: ARCHIVE & VERIFY RECORDS

NAME: ENAR-ASSEMBLE MENU TEXT: Find & Assemble Records  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Searches the database and finds the individual records to be  
archived, after which it moves them to an archive global and simultaneously purges  
them from disk. The user is asked for record type, station number, and sort  
parameters. Records may be archived for an entire fiscal year, or a specific  
quarter. Completed work orders may be archived by shop (all shops, one shop, or all  
shops but one). Since this function actually purges data from disk, you should  
backup your system before executing "Find and Assemble Records". Users should be  
kept off the system until "Find and Assemble" and "Archive and Verify" have run to  
completion.  
ROUTINE: G^ENAR  
UPPERCASE MENU TEXT: FIND & ASSEMBLE RECORDS

NAME: ENAR-DELETE MENU TEXT: Delete Archive Global  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Kills the archive global, which may be thought of as a temporary  
storage area. The archive global holds records in the process of being archived, as

## Exported Options

well as records which have been recalled from an archive tape for inspection via File Manager. "Delete Archive Global" should be executed after "Archive and Verify" and after "Recall Archive Global" (once the recalled records have been inspected and/or printed).

ROUTINE: D^ENAR  
UPPERCASE MENU TEXT: DELETE ARCHIVE GLOBAL

NAME: ENAR-LOG MENU TEXT: Review Activity Log  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Displays a chronological listing of everything that has been done with a given archive set.  
ROUTINE: L^ENAR UPPERCASE MENU TEXT: REVIEW ACTIVITY LOG

NAME: ENAR-RECALL MENU TEXT: Recall Archive Global  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Restores records from an archive tape into the archive global, where they may be examined via File Manager. User may recall an entire tape or search a tape for a specific record.  
ROUTINE: R^ENAR  
UPPERCASE MENU TEXT: RECALL ARCHIVE GLOBAL

NAME: ENBCEE ALL  
MENU TEXT: Equipment Labels by Equipment ID# TYPE:  
run routine CREATOR: 187  
DESCRIPTION: Prints bar coded equipment labels for each and every entry in the Equipment file.  
ROUTINE: ALL^ENLBL5  
UPPERCASE MENU TEXT: EQUIPMENT LABELS BY EQUIPMENT

NAME: ENBCEE CAT  
MENU TEXT: Equipment Category Bar Code Labels  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar coded equipment labels for all pieces of equipment in specified category.  
ROUTINE: CAT^ENLBL3  
UPPERCASE MENU TEXT: EQUIPMENT CATEGORY BAR CODE LA

NAME: ENBCEE CMR  
MENU TEXT: CMR Bar Code Labels (EQUIPMENT)  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar code labels for all equipment on a specified CMR.  
ROUTINE: CMR^ENLBL5  
UPPERCASE MENU TEXT: CMR BAR CODE LABELS (EQUIPMENT

NAME: ENBCEE LID MENU TEXT: Bar Code Labels by LOCAL ID  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints EQUIPMENT LABEL's for a range of LOCAL IDENTIFIERS.  
ROUTINE: LOCID^ENLBL15  
UPPERCASE MENU TEXT: BAR CODE LABELS BY LOCAL ID

## Exported Options

NAME: ENBCEE PM  
MENU TEXT: Bar Code Labels by PM Number  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints bar coded equipment labels for a specified range of Property Management numbers.  
ROUTINE: PM^ENLBL10  
UPPERCASE MENU TEXT: BAR CODE LABELS BY PM NUMBER

NAME: ENBCEE PMLIST  
MENU TEXT: Bar Code Labels in Conjunction with PM Worklist  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints bar coded equipment labels for each piece of equipment on a monthly PM worklist. User specifies the worklist by responding to prompts for date (month and year only) and shop.  
ROUTINE: WRKLST^ENLBL11  
UPPERCASE MENU TEXT: BAR CODE LABELS IN CONJUNCTION

NAME: ENBCEE PO  
MENU TEXT: Bar Code Labels for a Purchase Order  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints a bar coded EQUIPMENT LABEL for each item on a specific purchase order.  
ROUTINE: PO^ENLBL12  
UPPERCASE MENU TEXT: BAR CODE LABELS FOR A PURCHASE

NAME: ENBCEE RM  
MENU TEXT: Bar Code Labels by Specific Location (ROOM)  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints bar code labels for each piece of equipment in a specified room. Sites must be using the Space file (#6928) in order to profit from using this option.  
ROUTINE: RM^ENLBL6  
UPPERCASE MENU TEXT: BAR CODE LABELS BY SPECIFIC LO

NAME: ENBCEE SD  
MENU TEXT: Single Device Bar Code Label  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Print bar code label for one specific piece of equipment.  
ROUTINE: SD^ENLBL3  
UPPERCASE MENU TEXT: SINGLE DEVICE BAR CODE LABEL

NAME: ENBCEE SRVC  
MENU TEXT: Bar Code Labels by Using Service  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints bar coded EQUIPMENT LABEL's for all devices that are identified in the Equipment file as belonging to a particular SERVICE.  
ROUTINE: SRVC^ENLBL12  
UPPERCASE MENU TEXT: BAR CODE LABELS BY USING SERVI

NAME: ENBCEE WING  
MENU TEXT: Bar Code Labels by General Location (WING)  
TYPE: run routine  
CREATOR: 187  
DESCRIPTION: Prints bar code labels for each piece of equipment located on a specified WING, where WING is taken from the Space file (#6928).  
ROUTINE: WING^ENLBL6  
UPPERCASE MENU TEXT: BAR CODE LABELS BY GENERAL LOC

## Exported Options

NAME: ENBCLBL MGR  
MENU TEXT: Print Bar Code Labels for Equipment Management  
TYPE: menu CREATOR: 187  
DESCRIPTION: Generates bar code labels (location labels and equipment labels) for equipment management applications. Designed for use with a dedicated bar code printer.  
ITEM: ENBCLBLEE SYNONYM: 1  
ITEM: ENBCLBLSP SYNONYM: 2  
TIMESTAMP: 55586,57318  
UPPERCASE MENU TEXT: PRINT BAR CODE LABELS FOR EQUI

NAME: ENBCLBLEE MENU TEXT: Equipment Labels  
TYPE: menu CREATOR: 187  
DESCRIPTION: Prints bar coded equipment labels. Cohorts of labels (ex: labels by CMR, labels by Equipment Category, etc.) will be sorted by LOCATION unless the user specifies otherwise.  
ITEM: ENBCEE CAT SYNONYM: 1  
ITEM: ENBCEE CMR SYNONYM: 2  
ITEM: ENBCEE PM SYNONYM: 3  
ITEM: ENBCEE WING SYNONYM: 4  
ITEM: ENBCEE RM SYNONYM: 5  
ITEM: ENBCEE SD SYNONYM: 6  
ITEM: ENBCEE ALL SYNONYM: 7  
ITEM: ENBCEE PMLIST SYNONYM: 8  
ITEM: ENBCEE PO SYNONYM: 9  
ITEM: ENBCEE LID SYNONYM: 10  
ITEM: ENBCEE SRVC SYNONYM: 11  
TIMESTAMP: 55586,57336  
UPPERCASE MENU TEXT: EQUIPMENT LABELS

NAME: ENBCLBLSP MENU TEXT: Location Labels  
TYPE: menu CREATOR: 187  
DESCRIPTION: Driver option to print bar coded location labels.  
ITEM: ENBCSP WING SYNONYM: 1  
ITEM: ENBCSP BLDG SYNONYM: 2  
ITEM: ENBCSP RM SYNONYM: 3  
ITEM: ENBCSP ALL SYNONYM: 4  
TIMESTAMP: 55586,57312  
UPPERCASE MENU TEXT: LOCATION LABELS

NAME: ENBCNX MGR  
MENU TEXT: Bar Coded Equipment Inventory Management  
TYPE: menu CREATOR: 187  
DESCRIPTION: Driver for NX inventory functions.  
ITEM: ENBCNXDNLD SYNONYM: 1  
ITEM: ENBCUPLD SYNONYM: 2  
ITEM: ENBCNXCMR SYNONYM: 3  
ITEM: ENBCNXMAN SYNONYM: 4  
ITEM: ENBCNXRES SYNONYM: 5  
TIMESTAMP: 55586,57321  
UPPERCASE MENU TEXT: BAR CODED EQUIPMENT INVENTORY

NAME: ENBCNXCMR MENU TEXT: Inventory Exception Listing  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Produces a list of those items on a specified CMR that have not been located in the course of a physical inventory.  
ROUTINE: EN^ENEQNX4  
UPPERCASE MENU TEXT: INVENTORY EXCEPTION LISTING

## Exported Options

NAME: ENBCNXDNLD

MENU TEXT: Download NX Program to Portable Bar Code Reader  
TYPE: action CREATOR: 187  
DESCRIPTION: Downloads an IRL (Interactive Reader Language) program to a portable bar code reader.  
ENTRY ACTION: I \$D(^DIC(6910,1,0)) S ENSTA="""\_SP(^ (0),U,2) \_""",ENCTID="ENNX"  
" D ^ENCTBAR  
UPPERCASE MENU TEXT: DOWNLOAD NX PROGRAM TO PORTABL

NAME: ENBCNXMAN

MENU TEXT: Manual Update of Equipment Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Uses FileMan to update physical inventory data on individual entries in the Equipment file.  
ROUTINE: EN^ENEQNX5  
UPPERCASE MENU TEXT: MANUAL UPDATE OF EQUIPMENT INV

NAME: ENBCNXRES

MENU TEXT: Restart Processing of Uploaded NX Inventory Data  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Used to resume processing of NX inventory that has been uploaded from a portable bar code reader. User will need PROCESS ID and TIME STAMP from failed process. If this information is unavailable, data upload must be re-started from the beginning.  
ROUTINE: RES^ENEQNX1  
UPPERCASE MENU TEXT: RESTART PROCESSING OF UPLOADED

NAME: ENBCPM MGR

MENU TEXT: Bar Coded PMI Functions  
TYPE: menu CREATOR: 187  
DESCRIPTION: Driver for bar coded Preventive Maintenance functions. Will prompt you to either (1) download a data acquisition program to a bar code reader, (2) upload collected data from a bar code reader, or (3) restart processing of a previously uploaded data set.  
ITEM: ENBCPMDNLD SYNONYM: 1  
ITEM: ENBCUPLD SYNONYM: 2  
ITEM: ENBCPMRES SYNONYM: 3  
TIMESTAMP: 55586,57323  
UPPERCASE MENU TEXT: BAR CODED PMI FUNCTIONS

NAME: ENBCPMDNLD

MENU TEXT: Download PM Program to Portable Bar Code Reader  
TYPE: action CREATOR: 187  
DESCRIPTION: Downloads an IRL (Interactive Reader Language) program to a portable bar code reader. The IRL program records PM inspections.  
ENTRY ACTION: I \$D(^DIC(6910,1,0)) S ENSTA="""\_SP(^ (0),U,2) \_""",ENCTID="ENPM"  
" D DNLD^ENBCPM1  
UPPERCASE MENU TEXT: DOWNLOAD PM PROGRAM TO PORTABL

NAME: ENBCPMRES

MENU TEXT: Restart Processing of Bar Coded PMI  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Used to resume processing of PMI list that has been uploaded from a portable bar code reader. User will need PROCESS ID and TIME STAMP from failed process. If this information is unavailable, data upload must be re-started from the beginning.  
ROUTINE: RES^ENBCPM1  
UPPERCASE MENU TEXT: RESTART PROCESSING OF BAR CODE

## Exported Options

NAME: ENBCSP ALL MENU TEXT: ALL Bar Coded Location Labels  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar code labels for all entries in the Space file (#6928).  
ROUTINE: ALL^ENLBL4  
UPPERCASE MENU TEXT: ALL BAR CODED LOCATION LABELS

NAME: ENBCSP BLDG MENU TEXT: BUILDING Bar Code Labels  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar code LOCATION LABELS for all rooms in a specified  
BUILDING, where BUILDING is taken to be the second piece (with '-' as delimiter) of  
the NAME field from the Space file (#6928).  
ROUTINE: BLDG^ENLBL4  
UPPERCASE MENU TEXT: BUILDING BAR CODE LABELS

NAME: ENBCSP RM MENU TEXT: ROOM Bar Code Label  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar code label for specified room. Room in question must  
first exist in the Space file (#6928).  
ROUTINE: RM^ENLBL4 UPPER CASE MENU TEXT: ROOM BAR CODE LABEL

NAME: ENBCSP WING MENU TEXT: WING Bar Code Labels  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints bar code LOCATION LABELS for all rooms in a specified WING,  
where WING is as defined in the Space file (#6928).  
ROUTINE: WING^ENLBL4  
UPPERCASE MENU TEXT: WING BAR CODE LABELS

NAME: ENBCUPLD MENU TEXT: Upload Data From Portable Bar Code Reader  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Calls a routine that causes a portable bar code reader to upload its  
data to DHCP.  
ROUTINE: ENCTREAD  
UPPERCASE MENU TEXT: UPLOAD DATA FROM PORTABLE BAR

NAME: ENCCLERK MENU TEXT: Engineering Cost Control Clerk  
Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: This Menu is set up for the Cost Account Clerk. Sites will probably  
want to add selected IFCAP options to this 'menu' item.  
ITEM: ENPROJ SYNONYM: 1  
ITEM: DIUSER SYNONYM: 2  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55586,57262 TIMESTAMP OF PRIMARY MENU: 53512,52393  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENCHANGES MENU TEXT: Changes & Remarks Screen Edit  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit summary of change orders and narrative remarks.  
ROUTINE: PROJ8^ENPROJ  
UPPERCASE MENU TEXT: CHANGES & REMARKS SCREEN EDIT

## Exported Options

NAME: ENCMR MENU TEXT: CMR File Enter/Edit  
TYPE: edit CREATOR: 187  
LOCK: ENEDNX  
DESCRIPTION: For maintaining the list of CMR (Consolidated Memoranda of Receipt) in use at your facility. This option is usually held by your PPM Chief and/or his designee.  
DIC {DIC}: ENG(6914.1, DIC(0): AEQLM  
DIE: ENG(6914.1, DR {DIE}: .01:99  
UPPERCASE MENU TEXT: CMR FILE ENTER/EDIT

NAME: ENCONTR MENU TEXT: Contractor Data Screen Edit  
TYPE: run routine CREATOR: HEIBY,D  
DESCRIPTION: Enter/edit basic information on prime construction contractor for a delegated project.  
ROUTINE: PROJ^ENPROJ  
UPPERCASE MENU TEXT: CONTRACTOR DATA SCREEN EDIT

NAME: ENCSN  
MENU TEXT: Category Stock Number Enter/Edit  
TYPE: edit CREATOR: 187  
LOCK: ENEDNX  
DESCRIPTION: Intended for maintenance of Category Stock Number file. This option should be held by no more than one or two persons at each site, at the discretion of A&MM.

DIC {DIC}: ENCSN(6917, DIC(0): AEMQL  
DIE: ENCSN(6917, DR {DIE}: [ENCSN]  
UPPERCASE MENU TEXT: CATEGORY STOCK NUMBER ENTER/ED

NAME: ENDSY MENU TEXT: Display Work Order  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Display existing work request in a screen format. Facility exists for editing work order once it has been displayed.  
ROUTINE: DSY^ENW01 UPPERCASE MENU TEXT: DISPLAY WORK ORDER

NAME: ENEMP MENU TEXT: Engineering Employee File  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit Engineering Employee file. File should contain entries for all personnel who may be wholly or partially responsible for completing work requests.  
ROUTINE: EMP^ENMAN  
UPPERCASE MENU TEXT: ENGINEERING EMPLOYEE FILE

NAME: ENENT MENU TEXT: Edit Work Order Data  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Edit work request in line by line FileMan mode.  
ROUTINE: ENT^ENW01  
UPPERCASE MENU TEXT: EDIT WORK ORDER DATA

NAME: ENEQ-FAILURE MENU TEXT: Failure Rate Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints a synopsis of the repair history of user specified device types.  
ROUTINE: F1^ENEQRP3 UPPERCASE MENU TEXT: FAILURE RATE REPORT



## Exported Options

NAME: ENEQ-INVENTORY MENU TEXT: Inventory Listing  
TYPE: menu CREATOR: 187  
DESCRIPTION: Contains options to print data from the EQUIPMENT INV. File (#6914).  
ITEM: ENEQINV1 SYNONYM: 1  
ITEM: ENEQINV2 SYNONYM: 2  
ITEM: ENEQINV3 SYNONYM: 3  
ITEM: ENEQINV4 SYNONYM: 4  
ITEM: ENEQINV5 SYNONYM: 5  
ITEM: ENEQINV6 SYNONYM: 6  
ENTRY ACTION: D HDR^ENEQRPI TIMESTAMP: 55586,57301  
UPPERCASE MENU TEXT: INVENTORY LISTING

NAME: ENEQ-PLANNER MENU TEXT: PM Workload Analysis  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints a breakdown of scheduled PMI hours by month for a given shop.  
Intended as a tool in balancing PM workload.  
UPPERCASE MENU TEXT: PM WORKLOAD ANALYSIS

NAME: ENEQ-REPLACE MENU TEXT: Replacement Listing  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints all entries in the EQUIPMENT INV. file scheduled for  
replacement within a user specified time interval.  
ROUTINE: R^ENEQRPI UPPERCASE MENU TEXT: REPLACEMENT LISTING

NAME: ENEQ-REPORTS MENU TEXT: Equipment Reports  
TYPE: menu CREATOR: 187  
DESCRIPTION: Contains options to print data from the EQUIPMENT INV. file  
(#6914).  
ITEM: ENIN-HIST-SPECIFIC SYNONYM: 1  
ITEM: ENIN-HIST-GENERIC SYNONYM: 2  
ITEM: ENEQ-INVENTORY SYNONYM: 3  
ITEM: ENEQ-WARRANTY SYNONYM: 4  
ITEM: ENEQ-REPLACE SYNONYM: 5  
ITEM: ENEQ-FAILURE SYNONYM: 6  
ITEM: ENEQ-PLANNER SYNONYM: 7  
ITEM: ENEQPOST SYNONYM: 8  
ENTRY ACTION: D HDR^ENEQRP TIMESTAMP: 55613,31339  
UPPERCASE MENU TEXT: EQUIPMENT REPORTS

NAME: ENEQ-WARRANTY MENU TEXT: Warranty List  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Prints all devices whose warranties are scheduled to expire within a  
user specified time interval.  
ROUTINE: W^ENEQRPI UPPERCASE MENU TEXT: WARRANTY LIST

NAME: ENEQHID  
MENU TEXT: Print Equip. History by Entry Number  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print summary of work orders against an individual equipment record.  
No restrictions as to how equipment look-up is performed.  
ROUTINE: EQHI^ENW01  
UPPERCASE MENU TEXT: PRINT EQUIP. HISTORY BY ENTRY

## Exported Options

NAME: ENEQINV1 MENU TEXT: CMR Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by CMR. Produces a document suitable for signature of Responsible Official.  
ROUTINE: CMR^ENEQRPI UPPERCASE MENU TEXT: CMR INVENTORY

NAME: ENEQINV2 MENU TEXT: Equipment Category Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by device type (c.f., File 6911).  
ROUTINE: DTYP^ENEQRPI  
UPPERCASE MENU TEXT: EQUIPMENT CATEGORY INVENTORY

NAME: ENEQINV3 MENU TEXT: Location Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by device location.  
ROUTINE: LOC^ENEQRPI UPPERCASE MENU TEXT: LOCATION INVENTORY

NAME: ENEQINV4 MENU TEXT: Using Service Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by using service. Note that the using service is not necessarily the owning service (ex: a VCR may be used in Dental but owned by Medical Media Production). Owning service is established via the CMR.  
ROUTINE: SRV^ENEQRPI  
UPPERCASE MENU TEXT: USING SERVICE INVENTORY

NAME: ENEQINV5 MENU TEXT: Responsible Shop Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by responsible shop.  
ROUTINE: SHOP^ENEQRPI  
UPPERCASE MENU TEXT: RESPONSIBLE SHOP INVENTORY

NAME: ENEQINV6 MENU TEXT: Use Status Inventory  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Inventory listing by use status.  
ROUTINE: STUS^ENEQRPI  
UPPERCASE MENU TEXT: USE STATUS INVENTORY

NAME: ENEQPOST  
MENU TEXT: Direct Posting to Equipment Histories  
TYPE: run routine CREATOR: HEIBY,D  
DESCRIPTION: A utility for posting activities to Equipment Histories without going thru the Work Order module.  
ROUTINE: EN^ENEQP  
UPPERCASE MENU TEXT: DIRECT POSTING TO EQUIPMENT HI

NAME: ENETRANFER  
MENU TEXT: Assign (Transfer) Electronic Work Orders  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Used to transfer work orders entered via CRT by non-Engineering personnel from a 'receiving area' (essentially a fictitious shop) to a working shop.  
ROUTINE: ENETRAN  
UPPERCASE MENU TEXT: ASSIGN (TRANSFER) ELECTRONIC W

## Exported Options

NAME: ENEUSER1 MENU TEXT: Equipment Management  
TYPE: menu CREATOR: 187  
DESCRIPTION: Gives access to the Preventive Maintenance module.  
ITEM: ENPM SYNONYM: 1  
ITEM: ENPMS SYNONYM: 2  
ITEM: ENPMR SYNONYM: 3  
ENTRY ACTION: D HDR^ENEQ TIMESTAMP: 55586,57295  
TIMESTAMP OF PRIMARY MENU: 53920,41795  
UPPERCASE MENU TEXT: EQUIPMENT MANAGEMENT

NAME: ENFS-2162 MENU TEXT: 2162 Report of Accident  
TYPE: menu CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - FORM 2162  
ITEM: ENFS-2162-ENTER SYNONYM: 1  
ITEM: ENFS-2162-DISPLAY SYNONYM: 2  
ITEM: ENFS-2162-EDIT SYNONYM: 3  
ITEM: ENFS-2162-SERVICE SUMMARY SYNONYM: 4  
ITEM: ENFS-2162-INJURY SUMMARY SYNONYM: 5  
ITEM: ENFS-2162-ACC. NATURE SUMMARY SYNONYM: 6  
ITEM: ENFS-2162-LOCATION SUMMARY SYNONYM: 7  
ENTRY ACTION: D INIT^ENFSA,HDR^ENFSA TIMESTAMP: 55586,57271  
UPPERCASE MENU TEXT: 2162 REPORT OF ACCIDENT

NAME: ENFS-2162-ACC. NATURE SUMMARY  
MENU TEXT: Accident Nature Summary Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - FM 2162 REPORT BY  
ACCIDENT NATURE  
ROUTINE: P30^ENFSA1  
UPPERCASE MENU TEXT: ACCIDENT NATURE SUMMARY REPORT

NAME: ENFS-2162-DISPLAY MENU TEXT: Display 2162 Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - DISPLAY 2162 REPORT  
ROUTINE: R3^ENFSA  
UPPERCASE MENU TEXT: DISPLAY 2162 REPORT

NAME: ENFS-2162-EDIT MENU TEXT: Edit 2162 Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - EDIT 2162 REPORT  
ROUTINE: R2^ENFSA  
UPPERCASE MENU TEXT: EDIT 2162 REPORT

NAME: ENFS-2162-ENTER MENU TEXT: Enter 2162 Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - ENTER 2162 REPORT  
ROUTINE: R1^ENFSA  
UPPERCASE MENU TEXT: ENTER 2162 REPORT

NAME: ENFS-2162-INJURY SUMMARY MENU TEXT: Injury Cause Summary Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - FM 2162 REPORT BY INJURY CAUSE  
ROUTINE: P20^ENFSA1  
UPPERCASE MENU TEXT: INJURY CAUSE SUMMARY REPORT

## Exported Options

NAME: ENFS-2162-LOCATION SUMMARY  
MENU TEXT: Specific Location Summary Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - FM 2162 REPORT BY LOCATION  
ROUTINE: P40^ENFSA1  
UPPERCASE MENU TEXT: SPECIFIC LOCATION SUMMARY REPO

NAME: ENFS-2162-SERVICE SUMMARY  
MENU TEXT: Service/Division Summary Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: ENGINEERING ACCIDENT REPORTING MODULE - FM 2162 REPORT BY SERVICE  
ROUTINE: P10^ENFSA1  
UPPERCASE MENU TEXT: SERVICE/DIVISION SUMMARY REPOR

NAME: ENGSADDPRT1  
MENU TEXT: Print Additional Survey Listing  
TYPE: print CREATOR: 187  
DESCRIPTION: Print 'Additional Support Areas' listing from Biomedical Engineering Resources Survey (BERS) file.  
DIC {DIP}: ENGS(6916, PG: 1  
L.: 0 FLDS: [ENGSADDITIONAL]  
UPPERCASE MENU TEXT: PRINT ADDITIONAL SURVEY LISTIN

NAME: ENGSCONPRT1 MENU TEXT: Print Contract Survey Listing  
TYPE: print CREATOR: 187  
DESCRIPTION: Print information on equipment service contracts from the Biomedical Engineering Resources Survey (BERS) file.  
DIC {DIP}: ENGS(6916, PG: 1  
L.: 0 FLDS: [ENGSCONTRACT]  
UPPERCASE MENU TEXT: PRINT CONTRACT SURVEY LISTING

NAME: ENGSGENPRT1 MENU TEXT: Print General Survey Listing  
TYPE: print CREATOR: 187  
DESCRIPTION: Print general information from the Biomedical Engineering Resources Survey (BERS) file.  
DIC {DIP}: ENGS(6916, PG: 1  
L.: 0 FLDS: [ENGSGENERAL]  
UPPERCASE MENU TEXT: PRINT GENERAL SURVEY LISTING

NAME: ENGSMENU  
MENU TEXT: Biomedical Engineering Resource Survey  
TYPE: menu CREATOR: 187  
DESCRIPTION: Driver option for Biomedical Engineering Resources Survey module. This module collects data on how individual facilities maintain their biomedical equipment and instrumentation. Data from all sites is aggregated once a year by the Engineering Service Center in St. Louis.  
ITEM: ENGSSURVEYINPUT SYNONYM: 1  
DISPLAY ORDER: 1  
ITEM: ENGSSURPRT1 SYNONYM: 2  
DISPLAY ORDER: 2  
ITEM: ENGSCONPRT1 SYNONYM: 3  
DISPLAY ORDER: 3  
ITEM: ENGSGENPRT1 SYNONYM: 4  
DISPLAY ORDER: 4  
ITEM: ENGSADDPRT1 SYNONYM: 5  
DISPLAY ORDER: 5  
TIMESTAMP: 55586,57331  
UPPERCASE MENU TEXT: BIOMEDICAL ENGINEERING RESOURC

NAME: ENGSSURPRT1  
MENU TEXT: Print Personnel Survey Listing  
TYPE: print CREATOR: 187  
DESCRIPTION: Print Engineering personnel data from the Biomedical Engineering Resources Survey (BERS) file.  
DIC {DIP}: ENGS(6916, PG: 1

L.: 0 FLDS: [ENGSPERSONNEL]  
UPPERCASE MENU TEXT: PRINT PERSONNEL SURVEY LISTING

NAME: ENGSSURVEYINPUT  
MENU TEXT: Entering Data into the BERS Survey File  
TYPE: edit CREATOR:  
DESCRIPTION: Data entry option for Biomedical Engineering Resources Survey (BERS) file. Data elements in this file are updated annually by each facility and then sent to the Engineering Service Center in St. Louis. Reports are aggregated for use by VACO program officials.  
DIC {DIC}: ENGS(6916, DIC(0): AELQM  
DIC(A): Enter Survey Year and Hospital Number:  
DIE: ENGS(6916, DR {DIE}: [ENGSURVEY]  
DIC {DIP}: ENGS(6916, TIMESTAMP OF PRIMARY MENU: 54545,43576  
UPPERCASE MENU TEXT: ENTERING DATA INTO THE BERS SU

NAME: ENIN-ENTER-MULTI MENU TEXT: Multiple Inventory Entry  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter several like items (e.g.; 50 new electric beds) into the EQUIPMENT INV. file (#6914) without having to enter common information each time.  
ROUTINE: ME^ENEQ1  
UPPERCASE MENU TEXT: MULTIPLE INVENTORY ENTRY

NAME: ENIN-HIST-GENERIC MENU TEXT: Equipment Category History  
TYPE: run routine CREATOR:  
DESCRIPTION: A synopsis of the maintenance costs for a given device type.  
ROUTINE: HD^ENEQRP2  
UPPERCASE MENU TEXT: EQUIPMENT CATEGORY HISTORY

NAME: ENIN-HIST-SPECIFIC MENU TEXT: Specific Equipment History  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print-out of repair history of a specific entry in EQUIPMENT INV. file.  
ROUTINE: HS^ENEQRP1  
UPPERCASE MENU TEXT: SPECIFIC EQUIPMENT HISTORY

## Exported Options

NAME: ENINV MENU TEXT: Equipment Management  
TYPE: menu CREATOR:  
DESCRIPTION: Contains options for maintaining the EQUIPMENT INV. file (#6914) and for managing the PMI program.  
ITEM: ENINVNEW SYNONYM: 1  
DISPLAY ORDER: 1  
ITEM: ENIN-ENTER-MULTI SYNONYM: 2  
DISPLAY ORDER: 2  
ITEM: ENINV EDIT SYNONYM: 3  
ITEM: ENINVINV SYNONYM: 4  
ITEM: ENEQ-REPORTS SYNONYM: 5  
ITEM: ENPM SYNONYM: 6  
ITEM: ENPMS SYNONYM: 7  
ITEM: ENPMR SYNONYM: 8  
ITEM: ENBCLBL MGR SYNONYM: 9  
ITEM: ENBCNX MGR SYNONYM: 10  
EXIT ACTION: D EXIT^ENEQ ENTRY ACTION: D INIT^ENEQ,HDR^ENEQ  
TIMESTAMP: 55586,57320  
UPPERCASE MENU TEXT: EQUIPMENT MANAGEMENT

NAME: ENINV EDIT MENU TEXT: Inventory Edit  
TYPE: run routine CREATOR:  
DESCRIPTION: Edit the record of an existing piece of equipment. The .01 field(ENTRY NUMBER) is assigned by the system when an item is first added to the EQUIPMENT INV. file and may not be edited. This option gives access to both Supply and Engineering fields.  
ROUTINE: EDA^ENEQ1 UPPERCASE MENU TEXT: INVENTORY EDIT

NAME: ENINVINV MENU TEXT: Display Equipment Record  
TYPE: run routine CREATOR:  
DESCRIPTION: Display selected fields from the EQUIPMENT INV. file. Repair history IS  
ROUTINE: DS^ENEQ1  
UPPERCASE MENU TEXT: DISPLAY EQUIPMENT RECORD

NAME: ENINVNEW MENU TEXT: New Inventory Entry  
TYPE: run routine CREATOR:  
DESCRIPTION: Add a new item to the EQUIPMENT INV. file (#6914).  
ROUTINE: EN^ENEQ1 UPPERCASE MENU TEXT: NEW INVENTORY ENTRY

NAME: ENIT ADD NEW PERSON MENU TEXT: Add Entry to New Person File  
TYPE: run routine CREATOR:  
LOCK: EN IT ASSIGNMENT PACKAGE: ENGINEERING  
DESCRIPTION: Add an entry to the NEW PERSON file. A person should only be added with this option if they will NOT be provided a user account to sign on the computer, but will be assigned responsibility for IT equipment.  
ROUTINE: ADDNP^ENITUTL  
UPPERCASE MENU TEXT: ADD ENTRY TO NEW PERSON FILE

NAME: ENIT ASSIGN INQ (COM) MENU TEXT: Assignment Inquiry  
TYPE: inquire CREATOR:  
PACKAGE: ENGINEERING  
DESCRIPTION: Inquiry to an assignment of responsibility for IT equipment. Only assignments for the user can be selected.  
DIC {DIC}: ENG(6916.3, DIC(0): AEMQ  
DIC(S): I \$P(^ (0),U,2)=DUZ FLDS: [ENIT ASSIGNMENT INQ]  
DIC {DIQ}: ENG(6916.3, DIQ(0): C  
UPPERCASE MENU TEXT: ASSIGNMENT INQUIRY

NAME: ENIT ASSIGN INQ (IT) MENU TEXT: Assignment Inquiry  
TYPE: inquire CREATOR:  
PACKAGE: ENGINEERING

DESCRIPTION: Inquiry to an assignment of responsibility for IT equipment.  
 DIC {DIC}: ENG(6916.3, DIC(0): AEMQ  
 FLDS: [ENIT ASSIGNMENT INQ] DIC {DIQ}: ENG(6916.3,  
 DIQ(0): C UPPERCASE MENU TEXT: ASSIGNMENT INQUIRY

NAME: ENIT ASSIGN RESP MENU TEXT: Assign Responsibility  
 TYPE: run routine CREATOR:  
 LOCK: EN IT ASSIGNMENT PACKAGE: ENGINEERING  
 DESCRIPTION: Assign responsibility for IT equipment inventory items to  
 individuals. Only equipment on a CMR that has IT TRACKING set to YES can be  
 assigned.  
 ROUTINE: ENITRA  
 UPPERCASE MENU TEXT: ASSIGN RESPONSIBILITY

NAME: ENIT CERTIFY RESP MENU TEXT: Certify Hard Copy Signature  
 TYPE: run routine CREATOR:  
 LOCK: EN IT ASSIGNMENT PACKAGE: ENGINEERING  
 DESCRIPTION: This option enables an IT person to certify that an assigned  
 person has signed a hard copy hand receipt accepting responsibility for  
 tracked IT equipment. This option is expected to be used only when the  
 assigned person does not have access to VistA in order to directly,  
 electronically sign for the equipment.  
 ROUTINE: ENITRC  
 UPPERCASE MENU TEXT: CERTIFY HARD COPY SIGNATURE

NAME: ENIT EQUIP RPT MENU TEXT: Tracked IT Assets Report  
 TYPE: run routine CREATOR:  
 PACKAGE: ENGINEERING  
 DESCRIPTION: Report of equipment inventory that has a CMR value with IT  
 TRACKING equal to YES. The report can be run for specific equipment, groups  
 of equipment, or all tracked IT equipment.  
 ROUTINE: ENITRRE  
 UPPERCASE MENU TEXT: TRACKED IT ASSETS REPORT

NAME: ENIT INDV RESP RPT (COM)  
 MENU TEXT: Individual Responsibility for IT Assets Report  
 TYPE: run routine CREATOR:  
 PACKAGE: ENGINEERING  
 DESCRIPTION: Report of all IT equipment currently assigned to the user.  
 ROUTINE: ENITRRI  
 UPPERCASE MENU TEXT: INDIVIDUAL RESPONSIBILITY FOR

NAME: ENIT INDV RESP RPT (IT)  
 MENU TEXT: Individual Responsibility for IT Assets Report  
 TYPE: run routine CREATOR:  
 PACKAGE: ENGINEERING E ACTION PRESENT: YES  
 X ACTION PRESENT: YES  
 DESCRIPTION: Report of all IT equipment currently assigned to a specific  
 responsible individual.  
 EXIT ACTION: K ENITMENU ENTRY ACTION: S ENITMENU=1  
 ROUTINE: ENITRRI  
 UPPERCASE MENU TEXT: INDIVIDUAL RESPONSIBILITY FOR

NAME: ENIT INVENTORY EDIT MENU TEXT: Inventory Edit (IT)  
 TYPE: run routine CREATOR:  
 LOCK: EN IT INVENTORY PACKAGE: ENGINEERING  
 DESCRIPTION: Edit the record of an existing piece of equipment. This option  
 gives access to fields editable by IT personnel. Only equipment that has a  
 CMR with IT TRACKING set to YES can be selected via this option.  
 ROUTINE: ENITEQE UPPERCASE MENU TEXT: INVENTORY EDIT (IT)

NAME: ENIT MGR MENU TEXT: IT Equipment Module





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ITEM: ENIT RESP RPT MENU          DISPLAY ORDER: 7
ITEM: ENIT ADD NEW PERSON        DISPLAY ORDER: 6
ITEM: ENIT PRINT HAND RCPT (IT)  DISPLAY ORDER: 5
    TIMESTAMP: 61003,35584
    UPPERCASE MENU TEXT: IT EQUIPMENT RESPONSIBILITY

NAME: ENIT RESP NOT ASSIGNED RPT  MENU TEXT: Unassigned IT Asset Report
    TYPE: run routine              CREATOR:
    PACKAGE: ENGINEERING
    DESCRIPTION: Report of tracked IT Assets that are not currently assigned to
a responsible individual. Assets are considered to be tracked IT assets if
their CMR value has IT TRACKING set to YES.
    ROUTINE: ENITRRNA
    UPPERCASE MENU TEXT: UNASSIGNED IT ASSET REPORT

NAME: ENIT RESP NOTIFY
    MENU TEXT: Notify User of IT Assignments Requiring Signature
    TYPE: action                   CREATOR:
    PACKAGE: ENGINEERING          E ACTION PRESENT: YES
    DESCRIPTION: Provides user with notification during sign-on of any IT
equipment assignments of responsibility that require their signature. IT
assignments must be re-signed by the anniversary date of their previous
signature.
    ENTRY ACTION: D ^ENITRN
    UPPERCASE MENU TEXT: NOTIFY USER OF IT ASSIGNMENTS

NAME: ENIT RESP RPT MENU          MENU TEXT: IT Equipment Report Menu
    TYPE: menu                     CREATOR:
    PACKAGE: ENGINEERING
    DESCRIPTION: Menu of IT equipment reports.
ITEM: ENIT INDV RESP RPT (IT)     DISPLAY ORDER: 1
ITEM: ENIT EQUIP RPT             DISPLAY ORDER: 4
ITEM: ENIT SIGN EXCEPT RPT     DISPLAY ORDER: 5
ITEM: ENIT RESP NOT ASSIGNED RPT DISPLAY ORDER: 2
ITEM: ENIT RESP UNSIGNED RPT     DISPLAY ORDER: 3
ITEM: ENIT ASSIGN INQ (IT)       DISPLAY ORDER: 6
    TIMESTAMP: 60998,62601
    UPPERCASE MENU TEXT: IT EQUIPMENT REPORT MENU

NAME: ENIT RESP SIGN              MENU TEXT: Accept IT Responsibility
    TYPE: run routine              CREATOR:
    PACKAGE: ENGINEERING
    DESCRIPTION: The user will accept responsibility for assigned IT equipment
by this option. This option allows a user to sign to reaffirm the acceptance,
as well as, enter the initial acceptance.
    ROUTINE: ENITRS
    UPPERCASE MENU TEXT: ACCEPT IT RESPONSIBILITY

NAME: ENIT RESP UNSIGNED RPT
    MENU TEXT: Assignments Pending Acceptance Report
    TYPE: run routine              CREATOR:
    PACKAGE: ENGINEERING
    DESCRIPTION: Report of equipment with IT assignments that have not yet been
signed.
    ROUTINE: ENITRRU
    UPPERCASE MENU TEXT: ASSIGNMENTS PENDING ACCEPTANCE

NAME: ENIT SIGN EXCEPT RPT      MENU TEXT: Signature Exception Report
    TYPE: run routine              CREATOR:
    PACKAGE: ENGINEERING
    DESCRIPTION: Report assignments of IT responsibility with the most recent
signature at least one year old as of a user specified date.

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## Exported Options

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ROUTINE: ENITRRX
UPPERCASE MENU TEXT: SIGNATURE EXCEPTION REPORT

NAME: ENIT TERMINATE RESP           MENU TEXT: Terminate Responsibility
TYPE: run routine                   CREATOR:
LOCK: EN IT ASSIGNMENT              PACKAGE: ENGINEERING
DESCRIPTION: This option enables the user to terminate one or more active
responsibilities from a list of responsibilities based on an equipment item or
a person.
ROUTINE: ENITRT
UPPERCASE MENU TEXT: TERMINATE RESPONSIBILITY

NAME: ENIT TRANSFER RESP           MENU TEXT: Transfer Responsibility
TYPE: run routine                   CREATOR:
LOCK: EN IT ASSIGNMENT              PACKAGE: ENGINEERING
DESCRIPTION: This option terminates selected responsibilities and creates
new responsibilities for equipment under another person.
ROUTINE: ENITRX
UPPERCASE MENU TEXT: TRANSFER RESPONSIBILITY

NAME: ENIT USER ACCOUNT TERMINATED
MENU TEXT: IT Notification of Terminated User with Equipment
TYPE: action                         CREATOR:
PACKAGE: ENGINEERING                E ACTION PRESENT: YES
DESCRIPTION: This option should be attached to XU USER TERMINATE to notify
IT when a user with active IT equipment responsibilities is terminated as a
VistA user.
ENTRY ACTION: D USRTRM^ENITUTL
UPPERCASE MENU TEXT: IT NOTIFICATION OF TERMINATED

NAME: ENMAN                         MENU TEXT: Program Management
TYPE: menu                           CREATOR:
LOCK: ENMGR
DESCRIPTION: Intended for use by Engineering Application Manager in maintaining
files used by the Engineering package.
ITEM: ENMANUFAC                     SYNONYM: 6
ITEM: ENPORT                        SYNONYM: 1
ITEM: ENSECTION                     SYNONYM: 2
ITEM: ENWORK CTR                    SYNONYM: 3
ITEM: ENEMP                         SYNONYM: 4
ITEM: ENWORK ACTION                 SYNONYM: 11
ITEM: ENAR                          SYNONYM: 9
ITEM: ENPM5                         SYNONYM: 5
ITEM: ENSITE                        SYNONYM: 7
ITEM: ENSWOPT                       SYNONYM: 8
ITEM: ENGSMENU                      SYNONYM: 10
EXIT ACTION: D EXIT^ENMAN           ENTRY ACTION: D INIT^ENMAN
TIMESTAMP: 55586,57331             UPPERCASE MENU TEXT: PROGRAM MANAGEMENT
```

## Exported Options

NAME: ENMANUFAC MENU TEXT: Manufacturer  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit of the MANUFACTURER file. This file is maintained by the Engineering Service Center in cooperation with the Region 2 ISC. Sites may add entries as necessary, using a ZZ namespace convention. Application managers should check carefully to insure that any local entries are not, in fact, duplications.  
ROUTINE: MAN^ENMAN UPPERCASE MENU TEXT: MANUFACTURER

NAME: ENMGR MENU TEXT: Engineering Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: Engineering Main Menu for the Manager  
ITEM: ENWO SYNONYM: WO  
DISPLAY ORDER: 1  
ITEM: ENPROJ SYNONYM: TRK  
DISPLAY ORDER: 3  
ITEM: ENINV SYNONYM: EQ  
DISPLAY ORDER: 4  
ITEM: ENSP SYNONYM: SP  
DISPLAY ORDER: 5  
ITEM: ENMAN SYNONYM: ENM  
DISPLAY ORDER: 5  
ITEM: ENFS-2162 SYNONYM: FSA  
DISPLAY ORDER: 7  
ITEM: ENPLM01 SYNONYM: PLAN  
DISPLAY ORDER: 2  
ITEM: ENETRANSFER SYNONYM: XFER  
DISPLAY ORDER: 8  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55630,56164 TIMESTAMP OF PRIMARY MENU: 55189,29894  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENMM MGR  
MENU TEXT: Nonexpendable Equipment Module (A&MM)  
TYPE: menu CREATOR: 187  
DESCRIPTION: Top level menu option for Personal Property Management using AEMS/MERS (Automated Engineering Management System and Medical Equipment Reporting System).  
ITEM: ENMMEE SYNONYM: 1  
ITEM: ENMMREP SYNONYM: 2  
ITEM: ENMMBC SYNONYM: 3  
ITEM: ENMM UTIL SYNONYM: 4  
TIMESTAMP: 55586,57347  
UPPERCASE MENU TEXT: NONEXPENDABLE EQUIPMENT MODULE

NAME: ENMM UTIL  
MENU TEXT: NX (Nonexpendable Equipment) Utilities  
TYPE: menu CREATOR: 187  
DESCRIPTION: Includes options used to maintain ancillary files that are necessary for Personal Property Management under AEMS/MERS.  
ITEM: ENCMR SYNONYM: 1  
ITEM: ENCSN SYNONYM: 2  
TIMESTAMP: 55586,57343  
UPPERCASE MENU TEXT: NX (NONEXPENDABLE EQUIPMENT) U

## Exported Options

NAME: ENMMBC  
MENU TEXT: Bar Code Features (NX Equipment)  
TYPE: menu CREATOR: 187  
DESCRIPTION: Collection of options designed for use in bar coding nonexpendable equipment and in using bar code to maintain CMR inventories.  
ITEM: ENBCLBLEE SYNONYM: 1  
ITEM: ENBCLBLSP SYNONYM: 2  
ITEM: ENBCNXDNLD SYNONYM: 3  
ITEM: ENBCUPLD SYNONYM: 4  
ITEM: ENBCNXRES SYNONYM: 5  
ITEM: ENBCNXCMR SYNONYM: 6  
TIMESTAMP: 55586,57344  
UPPERCASE MENU TEXT: BAR CODE FEATURES (NX EQUIPMEN

NAME: ENMMEE MENU TEXT: Equipment Enter/Edit (NX)  
TYPE: menu CREATOR: 187  
DESCRIPTION: Collection of options for entering data into the AEMS/MERS Equipment file.  
ITEM: ENINVNEW SYNONYM: 1  
ITEM: ENINV EDIT SYNONYM: 2  
ITEM: ENINVINV SYNONYM: 3  
ITEM: ENIN-ENTER-MULTI SYNONYM: 4  
ITEM: ENBCNXMAN SYNONYM: 5  
TIMESTAMP: 55586,57346  
UPPERCASE MENU TEXT: EQUIPMENT ENTER/EDIT (NX)

NAME: ENMMREP  
MENU TEXT: Equipment Management Reports (NX) TYPE:  
menu CREATOR: 187  
DESCRIPTION: Collection of AEMS/MERS outputs that are thought to be of interest to the Property Management Section of A&MM.  
ITEM: ENIN-HIST-SPECIFIC SYNONYM: 1  
ITEM: ENEQINV1 SYNONYM: 2  
ITEM: ENEQ-WARRANTY SYNONYM: 3  
ITEM: ENEQ-REPLACE SYNONYM: 4  
ITEM: ENEQINV3 SYNONYM: 5  
ITEM: ENEQINV4 SYNONYM: 6  
ITEM: ENEQINV6 SYNONYM: 7  
TIMESTAMP: 55586,57345  
UPPERCASE MENU TEXT: EQUIPMENT MANAGEMENT REPORTS (

NAME: ENPLM01 MENU TEXT: Project Planning  
TYPE: menu CREATOR: .5  
DESCRIPTION: This is the root menu option for Project Planning module of construction, including selections for 5-Yr Plan and 1193 submission, and prioritization methodology for NRM, Minor, and Minor Miscellaneous projects.  
ITEM: ENPLM02 SYNONYM: 1  
ITEM: ENPLM05 SYNONYM: 2  
ITEM: ENPLM09 SYNONYM: 3  
ITEM: ENPLM18 SYNONYM: 4  
ITEM: ENPLM12 SYNONYM: 5  
ITEM: ENPLM13 SYNONYM: 7  
ITEM: ENPLM16 SYNONYM: 6  
ENTRY ACTION: W @IOF,!!?18,"PROJECT PLANNING OPTIONS",!!  
TIMESTAMP: 55634,35082 UPPERCASE MENU TEXT: PROJECT PLANNING

## Exported Options

NAME: ENPLM02  
MENU TEXT: 5-Yr Plan Project E/E  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option enables entry of information that appears on 5-Yr Plan for each project.  
ROUTINE: ENT^ENPL4  
UPPERCASE MENU TEXT: 5-YR PLAN PROJECT E/E

NAME: ENPLM03  
MENU TEXT: Minor/Minor Misc Prioritization  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option performs the Prioritization Methodology for Minor Design and Minor Miscellaneous projects and then prints report to screen or Scoring sheet on 80 column printer.  
ROUTINE: A^ENPL3A  
UPPERCASE MENU TEXT: MINOR/MINOR MISC PRIORITIZATIO

NAME: ENPLM04  
MENU TEXT: NRM Prioritization Scoring Sheet  
TYPE: print  
CREATOR: .5  
DESCRIPTION: This option prints the NRM Prioritization Methodology Scoring sheet on terminal display or 80 column printer.  
DIC {DIP}: ENG("PROJ", L.: 0  
FLDS: [ENPLP003] BY: .01  
DIS(0): I \$D(^ENG("PROJ",D0,0)), \$P(^ (0),U,6)="NR"  
UPPERCASE MENU TEXT: NRM PRIORITIZATION SCORING SHE

NAME: ENPLM05  
MENU TEXT: Project Application E/E (VAF 10-1193)  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option enables entering all information required for forms VAF 10-1193, VAF 10-1193a and prioritization methodology scoring sheets.  
ROUTINE: ENT^ENPL2  
UPPERCASE MENU TEXT: PROJECT APPLICATION E/E (VAF 1

NAME: ENPLM06  
MENU TEXT: Project Application VAF 10-1193 (132 columns)  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option prints the project application (VAF 10-1193 Rev. 12/92) on a 132 column printer. It is recommended that you queue the printing.  
ROUTINE: ENPL10  
UPPERCASE MENU TEXT: PROJECT APPLICATION VAF 10-119

NAME: ENPLM08  
MENU TEXT: Environmental Analysis VAF 10-1193a (132 columns)  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option prints the EMIS Construction Program Environmental Analysis form VAF 10-1193a on a 132 column printer.  
ROUTINE: A^ENPL11  
UPPERCASE MENU TEXT: ENVIRONMENTAL ANALYSIS VAF 10-

NAME: ENPLM09  
MENU TEXT: Environmental Analysis E/E (VAF 10-1193a)  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option enables entry of information which appears on VAF 10-1193a.  
ROUTINE: ENT^ENPL6  
UPPERCASE MENU TEXT: ENVIRONMENTAL ANALYSIS E/E (VA

NAME: ENPLM11  
MENU TEXT: 5-Yr Plan Report (132 columns)  
TYPE: run routine  
CREATOR: .5  
DESCRIPTION: This option prints the 5-Yr Plan, selecting items on the basis of Funding Year A/E, Funding Year Construction, Project Status and Five Year Plan Status fields.

## Exported Options

ROUTINE: IN^ENPL5  
UPPERCASE MENU TEXT: 5-YR PLAN REPORT (132 COLUMNS)

NAME: ENPLM12 MENU TEXT: Report/Print Menu  
TYPE: menu CREATOR: .5  
DESCRIPTION: This is the print menu for the construction planning module.  
ITEM: ENPLM03 SYNONYM: 1  
ITEM: ENPLM04 SYNONYM: 2  
ITEM: ENPLM06 SYNONYM: 3  
ITEM: ENPLM08 SYNONYM: 4  
ITEM: ENPLM11 SYNONYM: 5  
ENTRY ACTION: W @IOF,!!,?18,"PROJECT PLANNING PRINT OPTIONS",!!  
TIMESTAMP: 55635,34946 UPPERPERCASE MENU TEXT: REPORT/PRINT MENU

NAME: ENPLM13 MENU TEXT: Electronic Transmission Menu  
TYPE: menu CREATOR: .5  
LOCK: ENPLK003  
DESCRIPTION: This menu contains options for electronic transmission of 5-Yr Plan and Project Application data elements.  
ITEM: ENPLM14 SYNONYM: 1  
ITEM: ENPLM15 SYNONYM: 2  
ITEM: ENPLM17 SYNONYM: 3  
EXIT ACTION: W @IOF  
ENTRY ACTION: W @IOF,!!,?18,"PROJECT TRANSMISSION OPTIONS",!!  
TIMESTAMP: 55614,37950  
UPPERCASE MENU TEXT: ELECTRONIC TRANSMISSION MENU

NAME: ENPLM14  
MENU TEXT: Batch Transmit 5-Yr Plan Projects  
TYPE: run routine CREATOR: .5  
LOCK: ENPLK003  
DESCRIPTION: This option prompts the user for the Station and Fiscal Year of the 5-Yr Plan and then creates the MailMan message to transmit the data for the 5-Yr Plan from the site to the higher approval authorities.  
EXIT ACTION: W @IOF ROUTINE: ENPL8  
UPPERCASE MENU TEXT: BATCH TRANSMIT 5-YR PLAN PROJE

NAME: ENPLM15  
MENU TEXT: Individual 5-Yr Plan Project Transmission  
TYPE: run routine CREATOR: .5  
LOCK: ENPLK003  
DESCRIPTION: This option requests the project number and Fiscal Year of the 5-Yr Plan and then creates the MailMan message to send the project's data to the higher approval authorities.  
EXIT ACTION: W @IOF ROUTINE: ENPL8A  
UPPERCASE MENU TEXT: INDIVIDUAL 5-YR PLAN PROJECT T

## Exported Options

NAME: ENPLM16  
MENU TEXT: Approval of Project Application  
TYPE: run routine CREATOR: .5  
DESCRIPTION: This option controls the Chief Engineer's and VAMC Director's sign off on the project application. The Security Key ENPLK001 controls the Chief Engineer's approval. The Security Key ENPLK002 controls the VAMC Director's approval. The Chief Engineer must sign off before the VAMC Director. Both must approve before the project application can be transmitted electronically to higher approval authorities.  
ROUTINE: ENPL9  
UPPERCASE MENU TEXT: APPROVAL OF PROJECT APPLICATIO

NAME: ENPLM17 MENU TEXT: Project Application Send  
TYPE: run routine CREATOR: .5  
LOCK: ENPLK003  
DESCRIPTION: This option loads the data for a selected project into a MailMan message and transmits the data to higher approval authorities.  
EXIT ACTION: W @IOF ROUTINE: ENPL7  
UPPERCASE MENU TEXT: PROJECT APPLICATION SEND

NAME: ENPLM18 MENU TEXT: Activations E/E  
TYPE: run routine CREATOR: ENGUSER,ONE  
DESCRIPTION: This option enables enter/edit of project activations information.  
ROUTINE: ACT^ENPL2 UPPERCASE MENU TEXT: ACTIVATIONS E/E

NAME: ENPM MENU TEXT: PM Parameters  
TYPE: menu CREATOR: 187  
DESCRIPTION: Contains options for enrolling devices and device types in the PMI program.  
ITEM: ENPM1 SYNONYM: 1  
ITEM: ENPM2 SYNONYM: 2  
ITEM: ENPM3 SYNONYM: 3  
ITEM: ENPM4 SYNONYM: 4  
ITEM: ENPM5 SYNONYM: 5  
ITEM: ENPM6 SYNONYM: 6  
ENTRY ACTION: D HDR^ENEQPMP TIMESTAMP: 55586,57251  
UPPERCASE MENU TEXT: PM PARAMETERS

NAME: ENPM1 MENU TEXT: Display Specific Device PM Schedule  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Displays in a screen format the PM schedule of a specific device (discrete entry in File 6914, EQUIPMENT INV.). Editing not allowed.  
ROUTINE: PMSD^ENEQPMP1  
UPPERCASE MENU TEXT: DISPLAY SPECIFIC DEVICE PM SCH

NAME: ENPM10 MENU TEXT: Delete PM Work Orders  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Intended to enable you to delete PM work orders in order to conserve disk space. Deletion of PM work orders via this option will not remove an existing record of the PMI from the equipment history. Deletion of any work order via the EDIT WORK ORDER option WILL remove the corresponding entry from the equipment history. If you intend to record PMI's in the equipment history, you should not delete PM work orders until after they have been recorded.  
ROUTINE: DEL^ENEQPMS4  
UPPERCASE MENU TEXT: DELETE PM WORK ORDERS

## Exported Options

NAME: ENPM2  
MENU TEXT: Display Equipment Category PM Schedule  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Displays in screen format the PM schedule of a given device type (discrete entry in File 6911, DEVICE NAME). This is best thought of as the default PM schedule for all devices of the given type. No editing.  
ROUTINE: DTD^ENEQPMP1  
UPPERCASE MENU TEXT: DISPLAY EQUIPMENT CATEGORY PM

NAME: ENPM3  
MENU TEXT: Print PM Procedure  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print out the title and text (if stored) of a specified PM procedure.  
ROUTINE: PROCD^ENEQPMP2  
UPPERCASE MENU TEXT: PRINT PM PROCEDURE

NAME: ENPM4  
MENU TEXT: Enter/Edit Specific Device PM Schedule  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter or change the PM schedule for a specified device (discrete entry in File 6914, EQUIPMENT INV.). This option will have no affect on other entries of the same device type.  
ROUTINE: PMSE^ENEQPMP  
UPPERCASE MENU TEXT: ENTER/EDIT SPECIFIC DEVICE PM

NAME: ENPM5  
MENU TEXT: Enter/Edit Equipment Category PM Schedule  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter or change the PM schedule for a specified device type (such as DEFIBRILLATORS, GENERATORS-ELECTRICAL, etc.). A device type is formally defined as a discrete entry in the Equipment Category file. When a device type PM schedule is entered or changed, the user will be given the opportunity to apply the new schedule to all existing devices of the specified type.  
ROUTINE: DTE^ENEQPMP1  
UPPERCASE MENU TEXT: ENTER/EDIT EQUIPMENT CATEGORY

NAME: ENPM6  
MENU TEXT: Enter/Edit PM Procedure  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter procedures to be followed in performing PMI's. The procedure identifier will be printed on PM worksheets as a reminder to the tech, and will become a part of the equipment history whenever a scheduled PMI is recorded. It is recommended that the full text of PM procedures be stored in this file if time and disk space permit.  
ROUTINE: PROCE^ENEQPMP2  
UPPERCASE MENU TEXT: ENTER/EDIT PM PROCEDURE

NAME: ENPM7  
MENU TEXT: Monthly PM List  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print PMI worksheet(s) for monthly PMI's. These worksheets will include scheduled ANNUAL, SEMI-ANNUAL, QUARTERLY, BI-MONTHLY, and MONTHLY PMI's.  
ROUTINE: MNTH^ENEQPMS1  
UPPERCASE MENU TEXT: MONTHLY PM LIST

NAME: ENPM8  
MENU TEXT: Weekly PM List  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print PMI worksheet(s) to include WEEKLY and BI-WEEKLY PMI's. You will be prompted for a week number (1 thru 5). BI-WEEKLY PMI's will appear on worksheets for weeks 1 and 3.  
ROUTINE: WK^ENEQPMS1  
UPPERCASE MENU TEXT: WEEKLY PM LIST

NAME: ENPMHOURS  
MENU TEXT: Print PM Manhours  
TYPE: print CREATOR: ENGUSER,TWO



## Exported Options

DESCRIPTION: Prints total manhours expended on preventive maintenance by shop and by month for each technician. These manhours are automatically recorded when PM work orders are closed out.

New with Engineering Version 7.

DIC {DIC}: DIC(6922, DIC(0): AEQM  
DIC {DIP}: DIC(6922, L.: 0  
FLDS: [EN PM HOURS] BY: [EN PM HOURS]  
UPPERCASE MENU TEXT: PRINT PM MANHOURS

NAME: ENPMINSP MENU TEXT: Engineering PM Clerk Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: This menu is set up for PM Inspector  
ITEM: ENWO SYNONYM: 1  
ITEM: ENINV SYNONYM: 2  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55586,57263 TIMESTAMP OF PRIMARY MENU: 53501,40523  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENPMR MENU TEXT: Record Equipment PMI  
TYPE: menu CREATOR: 187  
DESCRIPTION: Contains options to record PM inspections. This process essentially closes a PM work order and posts the activity to the equipment history.  
ITEM: ENPMR1 SYNONYM: 1  
ITEM: ENPMR2 SYNONYM: 2  
ITEM: ENPMR3 SYNONYM: 3  
ITEM: ENSA1 SYNONYM: 5  
ITEM: ENPMRDEFRL SYNONYM: 6  
ITEM: ENBCPM MGR SYNONYM: 4  
ITEM: ENPMHOURS SYNONYM: 7  
TIMESTAMP: 55595,60729  
UPPERCASE MENU TEXT: RECORD EQUIPMENT PMI

NAME: ENPMR1 MENU TEXT: Close Out PM Work Orders  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Close out a PM work list entry by entry. User is asked for a complete specification of the first PM work order; after that the system assumes the shop, month, and type (MONTHLY or WEEKLY) of work list.  
ROUTINE: CO^ENEQPMR1  
UPPERCASE MENU TEXT: CLOSE OUT PM WORK ORDERS

NAME: ENPMR2  
MENU TEXT: Rapid Closeout of PM Work Orders  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Closes out an entire PM worklist. User is prompted for any PM work orders that are to be closed out individually. All work orders on the specified list which are not closed out individually will be assigned a PM status of PASSED and default values (if any) for time and materials. This option may take a while to run, so the user is given the opportunity to free his terminal. Freeing the terminal causes this option to begin to run immediately as a background job. This option may slow the system noticeably and it may be desirable to assign this task a lower priority than interactive jobs.  
ROUTINE: RCO^ENEQPMR2  
UPPERCASE MENU TEXT: RAPID CLOSEOUT OF PM WORK ORDE

## Exported Options

NAME: ENPMR3 MENU TEXT: Record Single Device PMI  
TYPE: run routine CREATOR: 187  
DESCRIPTION: May be used to record a PMI on any specified device, irregardless of whether or not it is on an active PMI list. One use envisioned for this is recording the results of 'area sweeps'. If the specified device is in the scheduled PMI program and it appears that a PMI recorded via this option may make it desirable to change the scheduled FREQUENCY or the STARTING MONTH, the user will be afforded an opportunity to do so.  
ROUTINE: SDPM^ENEQPMR4  
UPPERCASE MENU TEXT: RECORD SINGLE DEVICE PMI

NAME: ENPMRDEFRL MENU TEXT: Rapid Deferral of PM Worklist  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Defers all entries on a user specified PM worklist. All work orders on subject worklist are given a PM Status of DEFERRED and a close out date of TODAY. Time and Materials are not posted. This option is intended to be run only if you want to post DEFERRAL's of all open line items (PM work orders) on subject worklist to Equipment Histories.

This option is not intended for use in cases where there is some expectation that you may wish to otherwise close-out the PM worklist in question at some later date. That is to say, once a scheduled preventive maintenance inspection task has been recorded as DEFERRED it will be difficult to change it to PASSED.

ROUTINE: ENEQPMR6  
UPPERCASE MENU TEXT: RAPID DEFERRAL OF PM WORKLIST

NAME: ENPMS MENU TEXT: Generate PM Schedule  
TYPE: menu CREATOR: 187  
DESCRIPTION: Contains options for printing PMI work sheets and for deletion of PM work orders.  
ITEM: ENPM7 SYNONYM: 1  
ITEM: ENPM8 SYNONYM: 2  
ITEM: ENPM10 SYNONYM: 3  
ENTRY ACTION: D HDR^ENEQPMS TIMESTAMP: 55586,57294  
UPPERCASE MENU TEXT: GENERATE PM SCHEDULE

NAME: ENPORT MENU TEXT: Engineering Computer Port  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Used to specify those ports on the Engineering system that are suitable for output of hard-copy reports.  
ROUTINE: PORT^ENMAN  
UPPERCASE MENU TEXT: ENGINEERING COMPUTER PORT

NAME: ENPREL MENU TEXT: Preliminary Data Screen  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit the most fundamental elements of a delegated construction project.  
ROUTINE: PROJ3^ENPROJ  
UPPERCASE MENU TEXT: PRELIMINARY DATA SCREEN

## Exported Options

NAME: ENPROJ MENU TEXT: Project Tracking  
TYPE: menu CREATOR: 187  
DESCRIPTION: Main driver option for Construction Project module.  
ITEM: ENPROJXMIT SYNONYM: 12  
ITEM: ENPROJ TKR SYNONYM: 1  
ITEM: ENSCREEN SYNONYM: 2  
ITEM: ENPREL SYNONYM: 3  
ITEM: ENAPPROV SYNONYM: 4  
ITEM: ENREV SYNONYM: 5  
ITEM: ENACTUAL SYNONYM: 6  
ITEM: ENAE SYNONYM: 7  
ITEM: ENCHANGES SYNONYM: 9  
ITEM: ENPROJSTAT SYNONYM: 10  
ITEM: ENPROJ10 SYNONYM: 11  
ITEM: ENCONTR SYNONYM: 8  
ENTRY ACTION: D HDR^ENPROJ TIMESTAMP: 55612,51281  
UPPERCASE MENU TEXT: PROJECT TRACKING

NAME: ENPROJ TKR MENU TEXT: Enter Project Data  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit of construction project tracking data in line by line  
FileMan format.  
ROUTINE: PROJ^ENPROJ UPPERCASE MENU TEXT: ENTER PROJECT DATA

NAME: ENPROJ10  
MENU TEXT: Print All Project Status Reports  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Print hardcopy 10-0051 of all construction projects for which the  
MONTHLY PRINT-OUT field is set to 'YES'.  
ROUTINE: ALL^ENPRP  
UPPERCASE MENU TEXT: PRINT ALL PROJECT STATUS REPOR

NAME: ENPROJSTAT MENU TEXT: Print Project Status Report  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Generate hardcopy 10-0051 for a specific construction project.  
ROUTINE: SINGLE^ENPRP  
UPPERCASE MENU TEXT: PRINT PROJECT STATUS REPORT

NAME: ENPROJXMIT  
MENU TEXT: Transmit 10-0051 Electronically  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Packs 10-0051's into Network MailMan messages and routes them to the  
Office of Facilities in VACO.  
ROUTINE: ENPROJ7  
UPPERCASE MENU TEXT: TRANSMIT 10-0051 ELECTRONICALL

NAME: ENREV MENU TEXT: Revised Dates Screen Edit  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit revised dates (if any) of project milestones. These dates  
must be exact (month-day-year) and should reflect any discrepancies between  
original schedule and current best estimates.  
ROUTINE: PROJ5^ENPROJ  
UPPERCASE MENU TEXT: REVISED DATES SCREEN EDIT

## Exported Options

NAME: ENSA1 MENU TEXT: Upload Data from MedTester  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Reads data from MedTester (Electrical Safety Analyzer manufactured by Dynatech Nevada, Inc.) and posts electrical safety inspections to Equipment Histories.  
ROUTINE: EN^ENSA  
UPPERCASE MENU TEXT: UPLOAD DATA FROM MEDTESTER

NAME: ENSCREEN MENU TEXT: Screen Review All Data  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Enter/edit construction project data using a screen server.  
ROUTINE: PROJ2^ENPROJ  
UPPERCASE MENU TEXT: SCREEN REVIEW ALL DATA

NAME: ENSEC MENU TEXT: Engineering Secretary Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: This menu is used by the Engineering secretaries. Most sites will probably want to add selected IFCAP options to this 'menu' item.  
ITEM: ENPROJ SYNONYM: 1  
ITEM: ENEUSER1 SYNONYM: 2  
ITEM: ENSP SYNONYM: 3  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55630,56164 TIMESTAMP OF PRIMARY MENU: 53512,52393  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENSECFORM MENU TEXT: Engineering Foreman Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: This Menu is set up for the Section Foreman.  
ITEM: ENWO SYNONYM: 1  
ITEM: ENINV SYNONYM: 2  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55586,57263 TIMESTAMP OF PRIMARY MENU: 53501,40523  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENSECTION MENU TEXT: Section List  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Editing of the engineering section file.  
ROUTINE: SEC^ENMAN  
UPPERCASE MENU TEXT: SECTION LIST

NAME: ENSITE  
MENU TEXT: ENG SITE PARAMETERS Enter/Edit  
TYPE: edit CREATOR: 187  
DESCRIPTION: Used to set up the Engineering Site parameters. Certain entries in this file are mandatory if a site intends to transmit 10-0051's (Construction Project Tracking Reports) electronically and/or allow computerized entry of work requests non-Engineering personnel.  
DIC {DIC}: DIC(6910, DIC(0): AEMQ  
DIE: DIC(6910, DR {DIE}: 1:99  
UPPERCASE MENU TEXT: ENG SITE PARAMETERS ENTER/EDIT

NAME: ENSP MENU TEXT: Space/Facility Management  
 TYPE: menu CREATOR: .5  
 DESCRIPTION: Main driver option for Engineering Facility Management package.  
 ITEM: ENSP1 SYNONYM: 1  
 ITEM: ENSP2 SYNONYM: 2  
 ITEM: ENSPUTL SYNONYM: 4  
 ITEM: ENSP3 SYNONYM: 3  
 ITEM: ENSP-LEASE SYNONYM: 5  
 ITEM: ENSP-PLAN SYNONYM: 6  
 ENTRY ACTION: D HDR^ENSP TIMESTAMP: 55630,56224  
 TIMESTAMP OF PRIMARY MENU: 54540,68963  
 UPPERCASE MENU TEXT: SPACE/FACILITY MANAGEMENT

NAME: ENSP-137-AMIS  
 MENU TEXT: Building Management RCS 10-203, VAF 10-6007a  
 TYPE: run routine CREATOR: .5  
 DESCRIPTION: Generates a square footage report in the AMIS format needed by  
 Building Management.  
 ROUTINE: PR137^ENSP  
 UPPERCASE MENU TEXT: BUILDING MANAGEMENT RCS 10-203

NAME: ENSP-LEASE MENU TEXT: Leased Space Options  
 TYPE: menu CREATOR: .5  
 DESCRIPTION: Driver for leased space data entry and printing.  
 ITEM: ENSP-LEASE1 SYNONYM: 1  
 ITEM: ENSP-LEASE2 SYNONYM: 2  
 ITEM: ENSP-LEASE3 SYNONYM: 3  
 TIMESTAMP: 55630,56773  
 UPPERCASE MENU TEXT: LEASED SPACE OPTIONS

NAME: ENSP-LEASE1  
 MENU TEXT: Enter/Edit All Lease Fields (BUILDING FILE)  
 TYPE: run routine CREATOR: .5  
 DESCRIPTION: Maintain information on leased space.  
 ROUTINE: L^ENSP6  
 UPPERCASE MENU TEXT: ENTER/EDIT ALL LEASE FIELDS (B

NAME: ENSP-LEASE2  
 MENU TEXT: Enter/Edit Lease Vendor (BUILDING FILE)  
 TYPE: run routine CREATOR: .5  
 DESCRIPTION: Edits name and address of lessor.  
 ROUTINE: VEN^ENSP6  
 UPPERCASE MENU TEXT: ENTER/EDIT LEASE VENDOR (BUILD

NAME: ENSP-LEASE3 MENU TEXT: Print Leased Space Survey  
 TYPE: run routine CREATOR: .5  
 DESCRIPTION: Prints the standard information on leased rooms.  
 ROUTINE: P^ENSP6  
 UPPERCASE MENU TEXT: PRINT LEASED SPACE SURVEY



## Exported Options

NAME: ENSP3  
MENU TEXT: Export Facility Management Data  
TYPE: menu CREATOR: .5  
DESCRIPTION: These options will output several reports in a form suitable to capture in ASCII format to use in several popular MS-DOS PC spreadsheets for better analysis and graphic capability.  
ITEM: ENSP3-SERVICE-NSF SYNONYM: 1  
ITEM: ENSP3-FUNCTION-NSF SYNONYM: 2  
ITEM: ENSP3-RCS10-0141 SYNONYM: 3  
TIMESTAMP: 55630,56191  
UPPERCASE MENU TEXT: EXPORT FACILITY MANAGEMENT DAT

NAME: ENSP3-FUNCTION-NSF  
MENU TEXT: Output Function/NSF Spreadsheet  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Output an ASCII file that can be captured via a smart terminal for use in a commercial spreadsheet.  
ROUTINE: FUNC^ENSP5 TIMESTAMP: 55036,67259  
UPPERCASE MENU TEXT: OUTPUT FUNCTION/NSF SPREADSHEE

NAME: ENSP3-RCS10-0141  
MENU TEXT: Output RCS 10-0141 spreadsheet  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Output an ASCII file that can be captured via a smart terminal for use in a commercial spreadsheet.  
ROUTINE: RCS^ENSP5  
UPPERCASE MENU TEXT: OUTPUT RCS 10-0141 SPREADSHEET

NAME: ENSP3-SERVICE-NSF  
MENU TEXT: Output Service/NSF spreadsheet  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Output an ASCII file that can be captured via a smart terminal for loading into a commercial spreadsheet product.  
ROUTINE: SER^ENSP5 TIMESTAMP: 54942,75356  
UPPERCASE MENU TEXT: OUTPUT SERVICE/NSF SPREADSHEET

NAME: ENSP4  
MENU TEXT: Finish Replacement Schedules Report Menu  
TYPE: menu CREATOR: .5  
DESCRIPTION: Driver option for printing scheduled replacement dates for room finishes.  
ITEM: ENSPFRS1 SYNONYM: 1  
ITEM: ENSPFRS2 SYNONYM: 2  
ITEM: ENSPFRS3 SYNONYM: 3  
ITEM: ENSPFRS4 SYNONYM: 4  
ROUTINE: PRFRS^ENSP TIMESTAMP: 55630,56208  
UPPERCASE MENU TEXT: FINISH REPLACEMENT SCHEDULES R

NAME: ENSP5 MENU TEXT: Space Survey Report Menu  
TYPE: menu CREATOR: .5  
DESCRIPTION: Driver option for Engineering Space Reports.  
ITEM: ENSPRMKY SYNONYM: 1  
ITEM: ENSPRM SYNONYM: 2  
ITEM: ENSPSEY SYNONYM: 3  
ITEM: ENSPFUNC SYNONYM: 4  
ITEM: ENSPBLDG SYNONYM: 5  
ITEM: ENSP144 SYNONYM: 6  
ITEM: ENSP-137-AMIS SYNONYM: 7  
TIMESTAMP: 55630,56220  
UPPERCASE MENU TEXT: SPACE SURVEY REPORT MENU

NAME: ENSPBLDG MENU TEXT: Building Space Survey  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Prints principal fields from Engineering Space file. Sorts first by building, then by room.  
ROUTINE: PRBLDG^ENSP  
UPPERCASE MENU TEXT: BUILDING SPACE SURVEY

## Exported Options

NAME: ENSPEDKEY  
MENU TEXT: Key Distribution by Employee Enter/Edit  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Enter/edit list of door keys assigned to individual employees.  
ROUTINE: EMKY^ENSP  
UPPERCASE MENU TEXT: KEY DISTRIBUTION BY EMPLOYEE E

NAME: ENSPEMP  
MENU TEXT: Print Key Distribution By Employee  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of employees to whom door keys have been individually assigned. Information on keys assigned is provided.  
ROUTINE: PREMP^ENSP  
UPPERCASE MENU TEXT: PRINT KEY DISTRIBUTION BY EMPL

NAME: ENSPFRS1  
MENU TEXT: Replacement Schedule for All Finishes  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of scheduled replacement dates for walls, floors, and ceilings.  
ROUTINE: FRS4^ENSP  
UPPERCASE MENU TEXT: REPLACEMENT SCHEDULE FOR ALL F

NAME: ENSPFRS2 MENU TEXT: Ceiling Replacement Schedule  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of scheduled ceiling replacements, by date.  
ROUTINE: FRS1^ENSP  
UPPERCASE MENU TEXT: CEILING REPLACEMENT SCHEDULE

NAME: ENSPFRS3 MENU TEXT: Wall Replacement Schedule  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of scheduled wall replacements, by date.  
ROUTINE: FRS2^ENSP  
UPPERCASE MENU TEXT: WALL REPLACEMENT SCHEDULE

NAME: ENSPFRS4 MENU TEXT: Floor Replacement Schedule  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of scheduled floor replacements, by date.  
ROUTINE: FRS3^ENSP  
UPPERCASE MENU TEXT: FLOOR REPLACEMENT SCHEDULE

NAME: ENSPFUNC MENU TEXT: Function Space Survey  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates list of rooms sorted by designated function.  
ROUTINE: PRFUNC^ENSP  
UPPERCASE MENU TEXT: FUNCTION SPACE SURVEY



## Exported Options

NAME: ENSPKEY  
MENU TEXT: Print Employee List sorted by Key  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Prints list of all employees (if any) who have been issued door keys within a user-specified range of keys.  
ROUTINE: PRKEY^ENSP  
UPPERCASE MENU TEXT: PRINT EMPLOYEE LIST SORTED BY

NAME: ENSPLOCK MENU TEXT: Lock Number File Enter/Edit  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Enter/edit information on door locks, by control number.  
ROUTINE: KLOCK^ENSP  
UPPERCASE MENU TEXT: LOCK NUMBER FILE ENTER/EDIT

NAME: ENSPRM MENU TEXT: Space Survey by Room  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates print-out of space data sorted by room number.  
ROUTINE: PRRM^ENSP  
UPPERCASE MENU TEXT: SPACE SURVEY BY ROOM

NAME: ENSPRMKY MENU TEXT: Room/Keying/Function Report  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Room listing with keys that open room.  
ROUTINE: INIT^ENSP1  
UPPERCASE MENU TEXT: ROOM/KEYING/FUNCTION REPORT

NAME: ENSPROOM MENU TEXT: Enter New Room Space Data  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Enter/edit of space data for any selected room using standard FileMan functionality.  
ROUTINE: SP^ENSP  
UPPERCASE MENU TEXT: ENTER NEW ROOM SPACE DATA

NAME: ENSPROOMD MENU TEXT: Display/Edit Room Data  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Enter/edit space data using a screen server.  
ROUTINE: ENT^ENSP2  
UPPERCASE MENU TEXT: DISPLAY/EDIT ROOM DATA

NAME: ENSPSER MENU TEXT: Service Space Survey  
TYPE: run routine CREATOR: .5  
DESCRIPTION: Generates listing of space data sorted by owning service. Allows full listing or a summary of square foot figures only.  
ROUTINE: PRSER^ENSP  
UPPERCASE MENU TEXT: SERVICE SPACE SURVEY

NAME: ENSPSRV MENU TEXT: Print Employee List by Service  
TYPE: run routine CREATOR: .5  
DESCRIPTION: List employees and keys in order by service, page break on each service. For review, by Service, of key holders  
ROUTINE: PRSRV^ENSP  
UPPERCASE MENU TEXT: PRINT EMPLOYEE LIST BY SERVICE

## Exported Options

NAME: ENSPUTL                                   MENU TEXT: Facility Management Utilities  
TYPE: menu                                      CREATOR: .5  
DESCRIPTION: Used to edit files associated with the facility mngr package and  
other utilities for the package  
ITEM: ENSPUTL1                                SYNONYM: 1  
ITEM: ENSPUTL2                                SYNONYM: 2  
ITEM: ENSPUTL-CLEAN                          SYNONYM: 3  
ITEM: ENSPUTL3                                SYNONYM: 4  
ITEM: ENSPUTL4                                SYNONYM: 5  
TIMESTAMP: 55630,56231  
UPPERCASE MENU TEXT: FACILITY MANAGEMENT UTILITIES

NAME: ENSPUTL-CLEAN  
MENU TEXT: Remove Dangling Pointers in LOCK file  
TYPE: run routine                             CREATOR: .5  
DESCRIPTION: Deletion of an employee name in the EMPLOYEE(KEYS) file 6926  
sometimes leaves dangling pointers in the ISSUED TO field of the LOCKS file 6927.

This can be cleaned up safely with this option. Run anytime necessary.

ROUTINE: EN^ENSP4  
UPPERCASE MENU TEXT: REMOVE DANGLING POINTERS IN LO

NAME: ENSPUTL1                                MENU TEXT: Edit Space Functions file  
TYPE: run routine                             CREATOR: .5  
DESCRIPTION: Allows editing of the function file pointed to by the Space file  
ROUTINE: FUNC^ENSP  
UPPERCASE MENU TEXT: EDIT SPACE FUNCTIONS FILE

NAME: ENSPUTL2                                MENU TEXT: Edit Space Utilities file  
TYPE: run routine                             CREATOR: .5  
DESCRIPTION: Allows editing of the Utilities file pointed to by the Space file  
ROUTINE: UTL^ENSP  
UPPERCASE MENU TEXT: EDIT SPACE UTILITIES FILE

NAME: ENSPUTL3                                MENU TEXT: Building File Enter/Edit  
TYPE: edit                                    CREATOR: .5  
DESCRIPTION: Use this option to maintain the Eng Building file (#6928.3). The  
BUILDING (or BUILDING-DIVISION) portion of the ROOM NUMBER field of entries in the  
Eng Space file must match an entry in this Eng Building file.

Limited fields will be presented if the building ownership is listed as PLANNED.

DIC {DIC}: ENG(6928.3,                         DIC(0): AEMQL  
DIE: ENG(6928.3,                                 DR {DIE}: [ENSP-BLDG-P]  
UPPERCASE MENU TEXT: BUILDING FILE ENTER/EDIT

NAME: ENSPUTL4                                MENU TEXT: Print All Building Data  
TYPE: print                                   CREATOR: .5  
DESCRIPTION: Print all Building Data from ENG BUILDING file  
DIC {DIP}: ENG(6928.3,                         L.: 0  
FLDS: [CAPTIONED]                             BY: @.01;S1  
DHD: REPORT OF ALL BUILDING DATA  
UPPERCASE MENU TEXT: PRINT ALL BUILDING DATA

## Exported Options

NAME: ENSWOPT MENU TEXT: SOFTWARE OPTIONS Enter/Edit  
TYPE: edit CREATOR: 187  
DESCRIPTION: Enables user to choose the manner in which selected AEMS/MERS features will operate at his/her site.  
DIC {DIC}: ENG(6910.2, DIC(0): AEQM  
DIE: ENG(6910.2, DR {DIE}: [ENSWOPT]  
UPPERCASE MENU TEXT: SOFTWARE OPTIONS ENTER/EDIT

NAME: ENWCLERK MENU TEXT: Engineering Work Control Clerk  
Main Menu  
TYPE: menu CREATOR: 187  
DESCRIPTION: This Menu is set up for the Work Order Clerk  
ITEM: ENWO SYNONYM: 1  
ITEM: DIUSER SYNONYM: 2  
EXIT ACTION: D EXIT^EN ENTRY ACTION: D INIT^EN,HDR^EN  
TIMESTAMP: 55586,57261 TIMESTAMP OF PRIMARY MENU: 53501,40523  
UPPERCASE MENU TEXT: ENGINEERING MAIN MENU

NAME: ENWO MENU TEXT: Work Order & MERS  
TYPE: menu CREATOR: 187  
DESCRIPTION: Main driver for Work Order module.  
ITEM: ENWONEW SYNONYM: 1  
ITEM: ENENT SYNONYM: 2  
ITEM: ENDSY SYNONYM: 4  
ITEM: ENEQHID SYNONYM: 7  
ITEM: ENWOCLOSE SYNONYM: 3  
ITEM: ENWO-STATUS-(XQ) SYNONYM: 5  
ITEM: ENWO-TRANSFER SYNONYM: 6  
ITEM: ENWODISAP SYNONYM: 8  
ITEM: ENWOREP SYNONYM: 9  
ITEM: ENPMHOURS SYNONYM: 10  
EXIT ACTION: K ENSHKEY ENTRY ACTION: D HDR^ENWO  
TIMESTAMP: 55613,31493 UPPERCASE MENU TEXT: WORK ORDER & MERS

NAME: ENWO-STATS-DPT  
MENU TEXT: Incomplete W.O. Status by Owner/Department  
TYPE: run routine CREATOR: 187  
DESCRIPTION: List of incomplete work requests by requesting service.  
ROUTINE: O^ENWOST  
UPPERCASE MENU TEXT: INCOMPLETE W.O. STATUS BY OWNE

NAME: ENWO-STATS-EMP  
MENU TEXT: Incomplete W.O. Status by Employee  
TYPE: run routine CREATOR: 187  
DESCRIPTION: List of incomplete work requests by assigned technician. User is prompted to select the ENGINEERING EMPLOYEE of interest, from among those who belong to the chosen shop. If you simply press <RETURN> instead of selecting a technician, the system will then allow you to enter the word 'NOT' and thereby produce a list of incomplete work orders that are not assigned to anyone.  
ROUTINE: E^ENWOST  
UPPERCASE MENU TEXT: INCOMPLETE W.O. STATUS BY EMPL

NAME: ENWO-STATS-LOC  
MENU TEXT: Incomplete W.O. Status by Location  
TYPE: run routine CREATOR: 187  
DESCRIPTION: List of incomplete work requests by location.  
ROUTINE: L^ENWOST  
UPPERCASE MENU TEXT: INCOMPLETE W.O. STATUS BY LOCA

NAME: ENWO-STATS-SHOP  
MENU TEXT: Incomplete W.O. Status by Shop  
TYPE: run routine CREATOR: 187  
DESCRIPTION: List of incomplete work requests by assigned Engineering Section.  
ROUTINE: S^ENWOST  
UPPERCASE MENU TEXT: INCOMPLETE W.O. STATUS BY SHOP

## Exported Options

NAME: ENWO-STATUS-(HC) MENU TEXT: Incomplete Work Order Status  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Driver for Incomplete Work Order Status reports using hard code.  
ROUTINE: ENWOST  
UPPERCASE MENU TEXT: INCOMPLETE WORK ORDER STATUS

NAME: ENWO-STATUS-(XQ) MENU TEXT: Incomplete Work Order Status  
TYPE: menu CREATOR: 187  
DESCRIPTION: Driver for Incomplete Work Order Status reports using menu options.  
ITEM: ENWO-STATS-EMP SYNONYM: 1  
ITEM: ENWO-STATS-LOC SYNONYM: 2  
ITEM: ENWO-STATS-SHOP SYNONYM: 3  
ITEM: ENWO-STATS-DPT SYNONYM: 4  
TIMESTAMP: 55586,57275  
UPPERCASE MENU TEXT: INCOMPLETE WORK ORDER STATUS

NAME: ENWO-TRANSFER MENU TEXT: Transfer W.O. to Another Shop  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Transfer an existing Work Request from one Engineering Section to another.  
ROUTINE: TRANS^ENWONEW1  
UPPERCASE MENU TEXT: TRANSFER W.O. TO ANOTHER SHOP

NAME: ENWOCLOSE MENU TEXT: Close Out Work Order  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Close out an open work request. Entry of DATE COMPLETE removes a work order from the incomplete list.  
ROUTINE: CLSOUT^ENW01  
UPPERCASE MENU TEXT: CLOSE OUT WORK ORDER

NAME: ENWODISAP MENU TEXT: Disapprove Work Order  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Use this option to record disapproval action on a work request. It is anticipated that this option will be most useful at facilities which allow entry of work requests into AEMS/MERS by personnel outside of Engineering Service.  
ROUTINE: DISAP^ENW02  
UPPERCASE MENU TEXT: DISAPPROVE WORK ORDER

NAME: ENWOEDIT-WARD MENU TEXT: Edit Electronic Work Order  
TYPE: run routine CREATOR: 187  
DESCRIPTION: Permits non-Engineering users to edit work requests which were input via the 'Electronic Work Order Request' option. Once work orders have been transferred by Engineering Service to a working shop they may no longer be edited via this option, but users may check their status.  
ROUTINE: WRDEDT^ENWARD  
UPPERCASE MENU TEXT: EDIT ELECTRONIC WORK ORDER

## Exported Options

```
NAME: ENWONEW                                MENU TEXT: Enter New Work Order
  TYPE: run routine                          CREATOR: 187
  DESCRIPTION: Enter a new work request. Option requires knowledge of which shop
  (Engineering Section) should receive the assignment.
  ENTRY ACTION: D SSHOP^ENWO S:ENSHKEY'>0 XQUIT=""
  ROUTINE: ENG^ENWONEW
  UPPERCASE MENU TEXT: ENTER NEW WORK ORDER

NAME: ENWONEW-WARD                          MENU TEXT: Request Electronic Work Order
  TYPE: action                               CREATOR: 187
  DESCRIPTION: Entry of Engineering work requests by non-Engineering personnel.
  Intent is to reduce volume of written work orders and to reduce telephone calls to
  Engineering Work Control desk. Assumes that AEMS/MERS has been integrated with CORE
  systems so that all DHCP users have access to the Engineering package.
  EXIT ACTION: K ENSHKEY
  ENTRY ACTION: S ENDR=SS($D(^DIE("B","ENZWOWARD")):"[ENZWOWARD]",1:"[ENWOWARD]"
) D INIT^EN,WARD^ENWONEW
  UPPERCASE MENU TEXT: REQUEST ELECTRONIC WORK ORDER

NAME: ENWOREP
  MENU TEXT: Reprint Work Orders (All Shops)
  TYPE: run routine                          CREATOR: 187
  DESCRIPTION: Reprints work orders entered within a user selected date range. The
  'date portion' of the Work Order Number is used to determine when work orders are
  entered. Work orders from all shops will be included. The intent of the option is
  to give users a means of batch printing at the end of each day all work orders
  entered during the day.
  ROUTINE: ENWOREP
  UPPERCASE MENU TEXT: REPRINT WORK ORDERS (ALL SHOPS)

NAME: ENWORK ACTION                          MENU TEXT: Work Action
  TYPE: edit                                 CREATOR: 187
  DESCRIPTION: edit work action file
  DIC {DIC}: ENG(6920.1,                    DIC(0): "AEQM"
  DIE: ENG(6920.1,                          DR {DIE}: 1
  UPPERCASE MENU TEXT: WORK ACTION

NAME: ENWORK CTR                             MENU TEXT: Work Center Code
  TYPE: run routine                          CREATOR: 187
  DESCRIPTION: edit work center code
  ROUTINE: WCC^ENMAN                          UPPERCASE MENU TEXT: WORK CENTER CODE

NAME: ENWOST-WARD
  MENU TEXT: Incomplete Work Orders (ELECT WO MODULE)
  TYPE: run routine                          CREATOR: 187
  DESCRIPTION:
  Lists incomplete work orders. Will list by:
  1. Person who originally entered work request, or
  2. Service/Section, or
  3. Location of work.
  Developed in support of electronic work request module (ward work orders).
  ROUTINE: SE^ENWARD1
  UPPERCASE MENU TEXT: INCOMPLETE WORK ORDERS (ELECT
```

## Exported Options

NAME: ENWOSTATUS-WARD  
MENU TEXT: Electronic Work Order Status Check  
TYPE: run routine                         CREATOR: 187  
DESCRIPTION:   Enables users outside of Engineering Service to view the status of work orders, including those entered as Electronic Work Order Requests. This option does not allow any changes to be made to the work order record.  
ROUTINE: WRDCK^ENWARD  
UPPERCASE MENU TEXT: ELECTRONIC WORK ORDER STATUS C

NAME: ENWOWARD                                 MENU TEXT: Electronic Work Requests  
TYPE: menu                                    CREATOR: 187  
DESCRIPTION:   Main option for entry and status checking of Engineering work requests by DHCP users outside of Engineering Service.  
ITEM: ENWOEDIT-WARD                         SYNONYM: 2  
ITEM: ENWONEW-WARD                         SYNONYM: 1  
ITEM: ENWOSTATUS-WARD                       SYNONYM: 3  
ITEM: ENWOST-WARD                          SYNONYM: 4  
TIMESTAMP: 55586,57324                     TIMESTAMP OF PRIMARY MENU: 53998,40903  
UPPERCASE MENU TEXT: ELECTRONIC WORK REQUESTS

# Cross-References

Cross-references can be retrieved using the List File Attributes option in FileMan. If further explanation is required, see the On-Line Documentation section in this Manual.

## Cross References

The following cross-references were introduced by Patch EN\*7.0\*100 for support of the Real Time Location System (RTLS) interface. The files modified were the ENGINEERING INV. file (#6914) and ENG SPACE file (#6928).

TRADITIONAL CROSS-REFERENCE LIST -- FILE #6914 05/18/16 PAGE 1

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New MUMPS cross-references added to support the RTLS interface with Engineering are listed below.

The Description field of PHYSICAL INVENTORY DATE (#23) and LOCATION (#24) were expanded to include a note about the role of RTLS in updating the fields. The 'AB' cross-reference on the field #.01 of the Responsible Shop multiple was updated with new text to explain its function.

File #6914

### Traditional Cross-References:

#### A1 MUMPS

Field: ACQUISITION DATE (6914,13)  
Description: After the ACQUISITION DATE is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

#### A2 MUMPS

Field: CATEGORY STOCK NUMBER (6914,18)  
Description: After the CATEGORY STOCK NUMBER is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

#### A3 MUMPS

Field: CMR (6914,19)  
Description: After the CMR is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

#### A4 MUMPS

Field: USE STATUS (6914,20)  
Description: After the USE STATUS is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

#### A5 MUMPS

Field: SERVICE POINTER (6914,21)  
Description: After the SERVICE POINTER is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)



NOREINDEX)= 1

Subfile #6914.04

Traditional Cross-References:

A6 MUMPS WHOLE FILE (#6914)

Field: RESPONSIBLE SHOP (6914.04,.01)

Description: After the RESPONSIBLE SHOP is changed a notification is sent out to update the Real Time Location System (RTL) database.

1)= D WC^VIAATRI(6914,DA(1))

2)= D WC^VIAATRI(6914,DA(1))

NOREINDEX)= 1

AB REGULAR WHOLE FILE (#6914)

Field: RESPONSIBLE SHOP (6914.04,.01)

Description: This cross reference keeps track of the Engineering Section shop responsible for performing maintenance on a given piece of equipment.

1)= S ^ENG(6914,"AB", \$E(X,1,30),DA(1),DA)=""

2)= K ^ENG(6914,"AB", \$E(X,1,30),DA(1),DA)

A7 MUMPS

Field: STATION NUMBER (6914,60)

Description: After the STATION NUMBER is changed a notification is sent out to update the Real Time Location System (RTL) database.

1)= D WC^VIAATRI(6914,DA)

2)= D WC^VIAATRI(6914,DA)

NOREINDEX)= 1

A8 MUMPS

Field: PARENT SYSTEM (6914,2)

Description: After the PARENT SYSTEM is changed a notification is sent out to update the Real Time Location System (RTL) database.

1)= D WC^VIAATRI(6914,DA)

2)= D WC^VIAATRI(6914,DA)

NOREINDEX)= 1

A9 MUMPS

Field: MFGR. EQUIPMENT NAME (6914,3)

Description: After the MFGR. EQUIPMENT NAME is changed a notification is sent out to update the Real Time Location System (RTL) database.

1)= D WC^VIAATRI(6914,DA)

2)= D WC^VIAATRI(6914,DA)

NOREINDEX)= 1

A10 MUMPS

Field: DISPOSITION DATE (6914,22)

Description: After the DISPOSITION DATE is changed a notification is sent out to update the Real Time Location System (RTL) database.

1)= D WC^VIAATRI(6914,DA)

2)= D WC^VIAATRI(6914,DA)

NOREINDEX)= 1

AS MUMPS  
Field: ENTRY NUMBER (6914,.01)  
Description: After the ENTRY NUMBER is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AT MUMPS  
Field: MANUFACTURER (6914,1)  
Description: After the MANUFACTURER is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AU MUMPS  
Field: MODEL (6914,4)  
Description: After the MODEL is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AV MUMPS  
Field: SERIAL # (6914,5)  
Description: After the SERIAL # is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AW MUMPS  
Field: EQUIPMENT CATEGORY (6914,6)  
Description: After the EQUIPMENT CATEGORY is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AX MUMPS  
Field: TYPE OF ENTRY (6914,7)  
Description: After the TYPE OF ENTRY is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AY MUMPS  
Field: PURCHASE ORDER # (6914,11)  
Description: After the PURCHASE ORDER # is changed a notification is sent out to update the Real Time Location System (RTLIS) database.  
1)= D WC^VIAATRI(6914,DA)  
2)= D WC^VIAATRI(6914,DA)  
NOREINDEX)= 1

AZ MUMPS

Field: TOTAL ASSET VALUE (6914,12)  
 Description: After the TOTAL ASSET VALUE is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
 1)= D WC^VIAATRI(6914,DA)  
 2)= D WC^VIAATRI(6914,DA)  
 NOREINDEX)= 1

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Fields in File #6914 with DESCRIPTION text added. Notice the reference to RTLS in the text added.

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
6914,23	PHYSICAL INVENTORY DATE	2;13	DATE
	INPUT TRANSFORM: S %DT="E",%DT(0)="-NOW" D ^%DT K %DT S X=Y K:Y<1 X		
	LAST EDITED: SEP 24, 2013		
	HELP-PROMPT: Future dates are not allowed.		
	DESCRIPTION: Date of last physical inventory of this item (CMR reconciliation). Intent is to populate this field automatically via physical inventory software using bar code technologies. Completion of a Preventive Maintenance Inspection will also update this field, provided that the PM STATUS does not contain 'DEFERRED'.		
	For equipment with an RTLS tag ID defined, the physical inventory date is generated by RTLS tag readers.		

6914,24	LOCATION	3;5 POINTER TO ENG SPACE FILE (#6928)	
	LAST EDITED: SEP 24, 2013		
	HELP-PROMPT: Enter as ROOM-BUILDING (or select a SYNONYM).		
	DESCRIPTION: Physical location of this item at the facility. For equipment being tracked by RTLS, the location is populated by the AEMS-MERS RTLS interface.		

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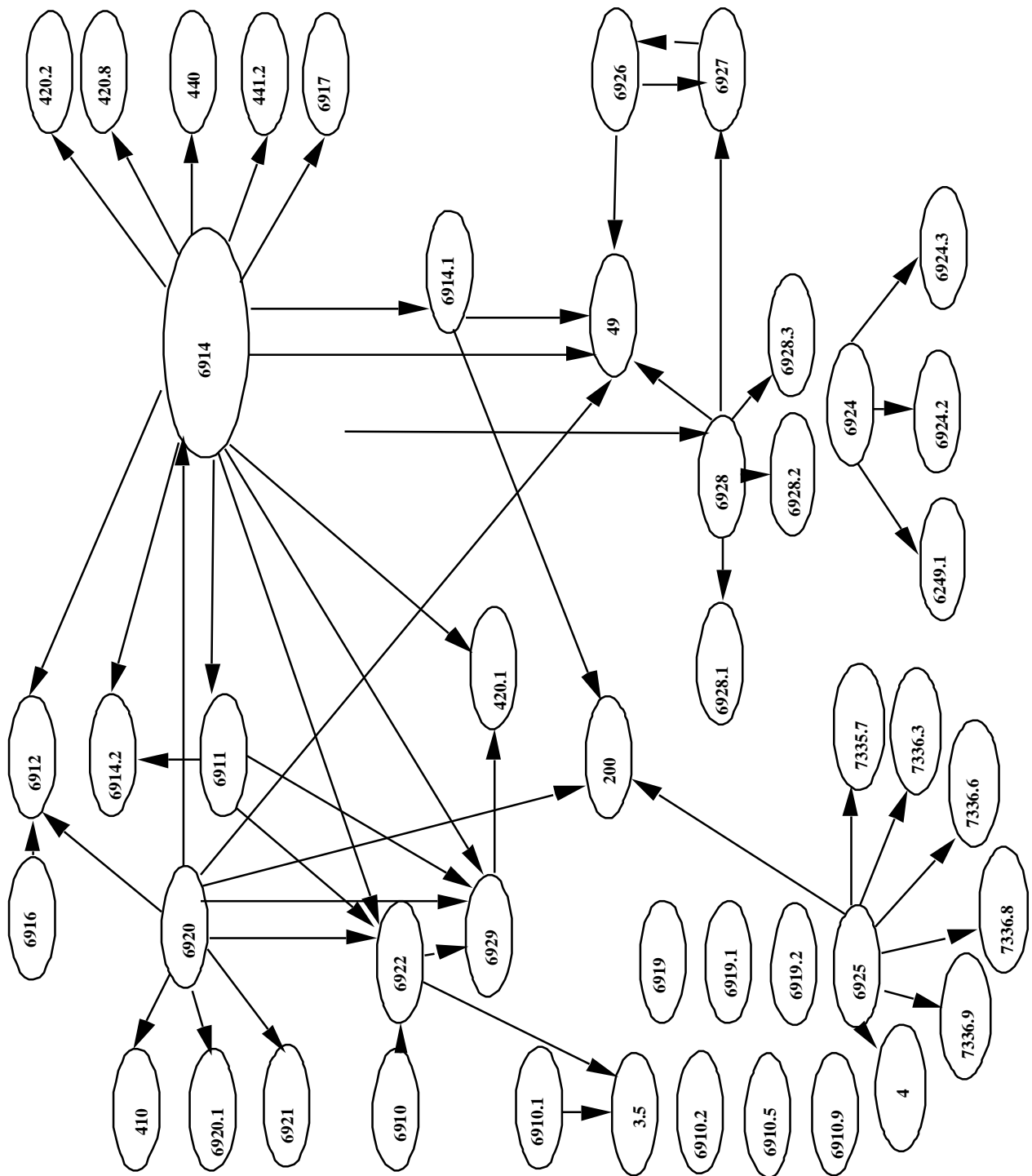
INDEX AND CROSS-REFERENCE LIST -- FILE #6928, FIELD #.01 05/18/16 PAGE 1

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Traditional Cross-References:

AG MUMPS  
 Field: ROOM NUMBER (6928,.01)  
 Description: After the ROOM NUMBER is changed a notification is sent out to update the Real Time Location System (RTLS) database.  
 1)= D WC^VIAATRI(6928,DA)  
 2)= D WC^VIAATRI(6928,DA)  
 NOREINDEX)= 1

# File Diagram



## File Diagram

# Archiving/Purging Data

The Engineering Archive module presently services the Work Order and 2162 Accident Report files. It allows individual records to be stored on tape and then purged from the disk.

Pointers to external files are replaced by the equivalent text before records are saved to tape.

Data definitions are stored on the same tapes as the records themselves. The Recall option uses these data definitions to automatically construct a temporary file for the storage and display of archived records. VA FileMan may be used to print information from these temporary files. There is no provision for restoring archived records back into the production file from which they were extracted.

## Find & Assemble Records

Searches the database to find the individual records to be archived, moves them to an archive global, and simultaneously purges them from the production file. The user is asked for record type, station number, and sort parameters. Records may be archived for an entire fiscal year, or a specific quarter. Completed work orders may be archived by shop (all shops, one shop, or all shops but one). Since this function actually purges data from disk, you may wish to backup your system before executing "Find and Assemble Records".

## Archive & Verify Records

Moves a collection of records (archive set) from the archive global to tape. This function should be executed immediately after "Find and Assemble Records".

## Delete Archive Global

Kills the archive global, which may be thought of as a temporary storage area. The archive global holds records in the process of being archived, as well as records that have been recalled from an archive tape for inspection via VA FileMan. "Delete Archive Global" should be executed after "Archive and Verify" and after "Recall Archive Global" (once the recalled records have been inspected and/or printed).

## Recall Archive Global

Restores records from an archive tape into the archive global, where they may be examined via VA FileMan. The user may recall an entire tape or search a tape for a specific record.

## Review Activity Log

Displays a chronological listing of everything that has been done with a given archive set.



# Callable Routines

There are two supported entry points in the Engineering package.

## **PO^ENLIB2**

This entry point may be called to populate selected data elements in the Equipment file using information obtainable from the purchase order. These data elements are FUND CONTROL POINT, COST CENTER, SUBACCOUNT, VENDOR, SERVICE, and SOURCE CODE.

There are two required variables.

- X        must contain the purchase order number
- DA       must contain the equipment entry number (IEN)

## **ACCX^ENLIB2**

This entry point may be called to update the STATUS of a Work Order based on information contained in an associated Control Point Activity Transaction.

There is one required variable.

- X        must contain the internal entry number (IEN) of the work order to be updated





# External Relations

Version 7.0 of Engineering requires these versions (or later) of the following DHCP CORE packages:

VA Kernel Version 6.5;  
VA FileMan Version 18.0; and  
VA MailMan Version 3.1

There is an integration agreement between Engineering and IFCAP.

1. IFCAP and Engineering may share the Barcode Program file (446.4), Engineering has permission to distribute this file, but IFCAP has control over it.
2. Entry of an Engineering work order in the SORT GROUP field of the Control Point Activity file will automatically update the work order STATUS. This is accomplished via a call to entry point ACCX^ENLIB2.
3. Entry of a Control Point Activity Transaction in the PARTS ORDERED field of the Work Order file will enable users to view (but not to edit) the Control Point Activity from the Engineering Work Order module. This is accomplished via a call to entry point ^PRCSP13.



# Internal Relations

All bottom-level menu options in the Engineering package are independent and can stand alone.



# Package-Wide Variables

The SACC has approved ENLO, ENHI and ENSHKEY as package-wide variables.

- 1 STANDARD SECTION: 4B      Package-wide variables  
DATE GRANTED: SEP 21,1989  
ENLO, ENHI, and ENSHKEY are package-wide variables for use in the Engineering package.
  
- 2 STANDARD SECTION: 5D1      Line format, 1st line  
DATE GRANTED: OCT 11,1989  
Engineering routines that contain data definitions used in package specific archiving may have first line tags that differ from the routine name. These routines are automatically renamed by routine ENARG1 prior to their actual use and are in compliance with the SACC at that time.

## Package-Wide Variables

# On-Line Documentation

It is recommended that you print the Engineering package data dictionaries immediately after you load the software. This is done through the VA FileMan option "List File Attributes". The file range for the Engineering package is 6910 - 6929, inclusive; and files 7330 - 7339.9. You may specify a Standard or Brief Data Dictionary as your needs require.

The first part of each Data Dictionary (in a Standard listing) is a list of other files that point to Medicine file fields. The second part is a listing of the Cross-references for that file and a brief description of its purpose.

To learn more about the options for the Engineering package, one may either print a more detailed option list (including things such as entry/exit actions, Menu type, etc.) or D ^XUP, select XUMAIN, and then select a specific option.

Using on-line documentation is the best way to obtain the most current information available. Further information for generating On-line documentation is provided in the Kernel documentation. This can be obtained either from your IRM or your local ISC.





# Glossary

ALD - Abbreviation for appropriation, limitation, department.

CMR - Consolidated Memorandum of Receipt. The basic instrument by which accountability for capital equipment is recorded.

Configuration-A particular selection of hardware and software resources that are tailored to provide optimum usage of ADP systems. This includes the type of CPU, type and number of disk drives, type and number of terminals, amount of main storage and so on.

Criticality - An index used by the package to rank the importance of performing preventive maintenance inspections on a particular device.

DHCP - Decentralized Hospital Computer Program-The name of the effort to install computer systems in the Veterans Administration Department of Medicine and Surgery's hospitals.

FileManager - Also known as VA FileMan. A set of MUMPS routines used to enter, maintain, access and manipulate related data in a file. It is the basic system used by all VA applications in creating files.

Information Systems Center (ISC) - One of the VA's seven regional offices for the management and development of application software. The ISCs are also responsible for providing support to field sites and for training personnel.

IRL - Interactive Reader Language. Proprietary language used by the Intermec line of portable bar code readers.

IT – Information Technology.

MailMan - An electronic mail, teleconferencing, and networking system which is an integral part of the Kernel.

MUMPS - Massachusetts General Hospital Utility Multi-Programming System. This is the computer language used by all VA DHCP applications.

## Glossary

NXRN# - A sequential number assigned by centralized CMR Management System in Austin.

Service Pointer - The functional entity (generally a service) within the facility that uses the device.

Site Configurable - A term used to refer to features in the system which can be tailored according to the needs of particular sites.