WE THE UNDERSIGNED HAVE APPROVED THE PROJECT

ENTITLED  Parts Catalogue Sub-System

SUBMITTED BY  Stacey L. Gerhart

THIS PROJECT IS SUBMITTED TO THE COMPUTER

SCIENCE DEPARTMENT OF CORPUS CHRISTI STATE

UNIVERSITY AS PARTIAL FULFILLMENT OF THE RE-

UIREMENTS FOR THE MASTER OF SCIENCE DEGREE

IN COMPUTER SCIENCE.

[Signatures and dates]
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ABSTRACT

The intent of this project is to provide a cataloguing mechanism necessary for a total inventory system designed for Central Power and Light Co. The complete Power Plant Inventory Control System will provide CPL Power Plants with current inventory information serving approximately eleven power plants located across the state of Texas. The programs or transactions comprising the catalogue sub-system form the nucleus of the larger inventory control system. This sub-system creates and maintains a database of Manufacturer Part Information.

Power Plant Inventory is catalogued using a series of six on-line transactions and six screens. Each screen will allow a part to be retrieved, updated and catalogued (stored) in the appropriate VSAM files. When a part is initially entered into the catalogue sub-system, it is assigned a unique CPL code number, which is mathematically derived from the manufacturer code number, by a check digit routine contained in the first catalogue transaction. Each of the six on-line screens utilizes a unique set of attributes (Manufacturer name, code number and part number, Part Description, Part Information, Parent Equipment Information, Bill of Material Information, and Inventory Information respectively) to catalogue a Manufacturer part into the sub-system.
BACKGROUND

The idea for a Power Station Inventory System is not a new one for Central Power and Light Co. Approximately three years ago a small, "test" system was developed and implemented. This system was designed primarily to identify spare parts and maintain an inventory of these parts using on-line update and inquiry.

This mini system was developed to demonstrate the need and use of a Power Station Inventory System. Employees and Management have used this test system for the last three years making suggestions for additional requirements needed in the detailed inventory system.

Currently inventory control, completing and filing inventory documents, is done by hand. This has led to overstocking, outages and lost inventory parts.

The following is a summary of what CP&L power plants hope to gain from implementing the parts catalogue sub-system:

A). Better control of inventory, to know where a part is located and how many are on hand.

B). Maximize interchangeability of parts between equipment, units and power stations allowing reduced inventory by stocking fewer parts.

C). Create an accurate master Bill of Material equipment list.

D). Identify the parts to an appropriate piece of equipment with an hierarchical Bill of Material.

E). Allows immediate and accurate initial entry and updates to the inventory.

F). Provides easier and faster access to parts and a variety of ways to find a part.

G). Increase in efficiency and productivity.
ENVIROMENT

EQUIPMENT
The equipment to be used:

AMDAHL V8 Host computer located in Dallas
IBM 4331 Processor located main office CPL
IBM 3350 Secondary storage
IBM 3278 Terminal

LANGUAGES
The programming languages to be used:

ANS Cobol
CICS Command level application programming language
BMS Basic mapping support-Macro instructions
VSAM File access method

ORGANIZATION
The organization the project is being developed for:

Central Power and Light Co.
Main Office
Corpus Christi, Texas
SYSTEM OVERVIEW
SYSTEM OVERVIEW

In order to provide better inventory control for Central Power and Light Power Stations, an on-line inventory system has been developed. The foundation of the total inventory system (Parts Catalogue Sub-system), consists of seven on-line transactions. These transactions will be used for the initial cataloging of all manufacturer parts found in the physical inventory of each nine CP&L power station locations.

The parts catalogue sub-system has been designed in a top down fashion. It is made up of a series of six screens, each screen representing a transaction, to catalog manufacturer parts into the on-line sub-system. The seventh transaction is the driver program, allowing entry into the catalogue sub-system. The driver program, called CIAPMK, is initiated by the users input of the Transaction ID/Manufacturer Code Number/ Manufacturer Part Number//Location (AMPK/MFG Code/MFG Part//Loc). This program sends the first catalogue screen which is the manufacturer catalogue screen.

A prompt is used to invoke each of the following six catalogue screens. Once the user completely enters the information required on the screen and the part is catalogued (added to the appropriate files), the user keys in an 'N', for the next screen, in the prompt area, designated by a parenthesis ( ). After the enter key is pressed, the sub-system will automatically proceed to the next successive catalogue screen. The unique CPL Code number, created by the first transaction, the terminal location entered initially, and the manufacturer code number of the part being catalogued are passed to each of the six catalogue screens. These three data elements are required to uniquely identify a part during the cataloguing process. Each screen requires specific information needed to identify a manufacturer part within the inventory system.

The driver program call CIAPMK has two purposes:

a). To display one manufacturer part record for update and send the manufacturer part list screen.

    INPUT: APMK/MFG CODE/MFG CODE/MFG PART NO//OCCURANCE/LOCATION

b). To check interchangeability of the manufacturer code/partno as entered by the user to determine if a unique CPL Code Number has been assigned and send the manufacturer part catalogue screen.

    INPUT: APMK/MFG CODE/MFG PART NO//LOCATION

OUTPUT: the Manufacturer part catalogue screen.
The second transaction called CIAPMC has two purposes:

a). To assign a new unique CPL Code Number to a new manufacturer part and will catalogue the appropriate drawing, item and sequence numbers as a reference for that part.

b). To catalogue a new manufacturer with an existing CPL Code Number and it's drawing, item and sequence numbers.

This is the first of six catalogue screens. When this screen has been completed a prompt will be used to proceed to the next catalogue screen.

INPUT: the Manufacturer part catalogue screen.
OUTPUT: new manufacturer part records and the Manufacturer part description screen.

The third transaction called CIAPC1 has two purposes:

a). To update an existing part description record.

b). To catalogue a new part with as many as eighteen lines of description.

This is the second of six catalogue screens. When this screen has been completed a prompt will be used to proceed to the next catalogue screen.

INPUT: the Manufacturer part description screen.
OUTPUT: updated part description records or new part description records and the Part Information screen.

The fourth transaction called CIAPC2, has two purposes:

a). To update an existing part information record.

b). To catalogue a new manufacturer part by part information required by each power plant.

This is the third of six catalogue screens. When this screen has been completed a prompt will be used to determine which screen to proceed to. If a part is a parent (a stand alone piece of equipment that is not a component part of any other piece of equipment) the next screen will be the Parent equipment catalogue screen, otherwise the next screen will be the Bill of Material catalogue screen.

INPUT: the Manufacturer Information catalogue screen.
OUTPUT: updated part information records or new part information records and the Bill of Materials catalogue screen or the Parent Equipment catalogue screen.
The fifth transactions, called CIAPP2, purpose:

a). To catalogue a parent equipment record.

This is the fourth of six catalogue screens. A level flag will be used to check the "level" of the parent part to be catalogued. This "level" will determine the next screen to proceed to. If the part is the highest level parent (flag "H") a bill of material record will be automatically created and will continue to the Inventory Information screen, otherwise the Bill of Material catalogue screen will follow.
INPUT: the Parent Equipment catalogue screen.
OUTPUT: new parent equipment records and the Bill of Material catalogue screen or the Inventory Information screen.

The sixth transactions, called CIAPBA, purpose:

a). To catalogue a bill of material record.

A bill of material is a complete listing of the component parts of a given piece of equipment. This is the fifth of six catalogue screens.
INPUT: the Bill of Material catalogue screen.
OUTPUT: new bill of material records and the Inventory Information screen.

The seventh transaction, called CIAPIU, has two purposes:

a). To update an existing inventory record.

b). To catalogue a new part into the inventory system.

This is the sixth of six catalogue screens. After completion of this screen a prompt will be used to tell the user to catalogue the next part using Mfg Code / Mfg Partno.
INPUT: the Inventory Information screen.
OUTPUT: updated inventory records or new inventory records and a user prompt to catalogue another part.

Each transaction will also require the creating and updating of VSAM cross reference files, extensive data validation, and security key or password validation.
System Flowchart
Parts Catalogue Sub-System

CIAPMK
Update MFG Part

CIAPMC
MFG Part Catalogue

CIAPC1
MFG Part Desc Catalogue

CIAPC2
MFG Part Info Catalogue

CIAPP2
Parent Equipment Catalogue

CIAPBA
Bill of Material Catalogue

CIAPIU
Part Inventory Catalogue
SAMPLE OUTPUT
The parts catalogue sub-system is used to enter material information in the following records.

1. Manufacturer Part Catalog
2. Part Description Catalog
3. Part Information Catalog
4. Parent Equipment Catalog
5. Bill of Material Catalog
6. Inventory Information Catalog

The APMK entry is used to assign a new CPL Code Number.

RESPONSIBILITY ACTION

1. Key and enter the following:

APMK / ______/ ______/ ______ / ______//_____
Manufacturers Manufacturer Part No. Responsibility
Code Number (1 - 35 characters) Location No.

Online System 2. Displays the Manufacturer Part Catalog screen.

EXAMPLE

APMK MANUFACTURER PART CATALOG

CPL CODE # 0000000 LOC 912
DESCRIPTION-1

2

MFG CODE MFG NAME MFG PART NO
9700256 MASONEILAN INTERNATIONAL INC 48-40211-3-SPEC-1

MFG DRAWING ITEM NO MFG SEQUENCE
1 .......................... .......... ...........
2 .......................... .......... ...........
3 .......................... .......... ...........
4 .......................... .......... ...........
5 .......................... .......... ...........
6 .......................... .......... ...........
7 .......................... .......... ...........
8 .......................... .......... ...........

MFG NAME CODE/PART # DOES NOT EXIST, TRY ANOTHER
( ? ) - OR - ENTER "Y" TO ASSIGN NEW CPL CODE #
RESPONSIBILITY

ACTION

3. Key and enter your Security Key and a Y over the ? to get the Manufacturer Part Catalog screens

Online System

4. Displays the Manufacturer Part Catalog format.

EXAMPLE

APMK

MANUFACTURER PART CATALOG

CPL CODE # 0440180 LOC 912
DESCRIPTION-1
2

MFG CODE  MFG NAME  MFG PART NO
9700256  MASONEILAN INTERNATIONAL INC  48-40211-3-SPEC-2

<table>
<thead>
<tr>
<th>MFG DRAWING</th>
<th>ITEM NO</th>
<th>MFG SEQUENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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</tr>
</tbody>
</table>

CPL CODE # HAS BEEN ASSIGNED,
ENTER YOUR DRAWING, ITEM & SEQ NO"S
( ) -OR- ENTER "N" FOR THE NEXT SCREEN

5. Key and enter the following information:

<table>
<thead>
<tr>
<th>SPACE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG DRAWING</td>
<td>Manufacturer Drawing Number (30 characters)</td>
</tr>
<tr>
<td>ITEM NO</td>
<td>Item Number (10 characters)</td>
</tr>
<tr>
<td>MFG SEQUENCE</td>
<td>Manufacturer Sequence Number (10 characters)</td>
</tr>
</tbody>
</table>
RESPONSIBILITY ACTION

Online System 6. Posts information to Manufacturer Part Catalog record and display the record.

EXAMPLE

<table>
<thead>
<tr>
<th>APMK</th>
<th>MANUFACTURER PART CATALOG</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPL CODE # 0440180</td>
<td>LOC 912</td>
</tr>
<tr>
<td>DESCRIPTION-1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MFG CODE</td>
<td>MFG NAME</td>
</tr>
<tr>
<td>9700256</td>
<td>MASONEILAN INTERNATIONAL INC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MFG DRAWING</th>
<th>ITEM NO</th>
<th>MFG SEQUENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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</tr>
</tbody>
</table>

MFG INFORMATION CATALOGED,
Enter "N" to proceed to next screen
"Y" to enter new MFG
" " leave blank to enter more MFG info

7. Key and enter a N over the ? to proceed to the Part Description Catalog screen
RESPONSIBILITY
Online System

ACTION
8. Displays the Part Description screen

EXAMPLE

<table>
<thead>
<tr>
<th>APMK</th>
<th>PART DESCRIPTION CATALOG</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPL CODE #</td>
<td>0440255</td>
</tr>
<tr>
<td>DESCRIPTION-1:</td>
<td>--------------------------</td>
</tr>
<tr>
<td>2:</td>
<td>--------------------------</td>
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<tr>
<td>3:</td>
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<td>17:</td>
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<tr>
<td>18:</td>
<td>--------------------------</td>
</tr>
</tbody>
</table>

( ) CATALOG NEW PART DESCRIPTION

9. Key and enter part descriptions.
RESPONSIBILITY

Online System

ACTION

10. Post information to the Part Description Catalog record and display the record.

EXAMPLE

<table>
<thead>
<tr>
<th>APMK</th>
<th>PART DESCRIPTION CATALOG</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPL CODE # 0440255</td>
<td>LOC 912</td>
</tr>
<tr>
<td>DESCRIPTION-1: VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONSIST OF 1 EA MASONEILA N VALVE NO 40211, 1 EA MASONEILAN ACTUATOR NO 48, 1 EA MAS</td>
<td></td>
</tr>
</tbody>
</table>

( ) CATALOG NEW PART DESCRIPTION

11. Press ENTER key to proceed to the Part Information screen.
RESPONSIBILITY
Online System

ACTION
12. Displays Part Information Catalog screen

EXAMPLE

APMK PART INFORMATION CATALOG

CPL CODE # 0440180 LOC 912
DESCRIPTION-1 VALVE ASSEMBLY, CONTROL: 30 INCH, CONSIST OF 1 EA MASONEILA
2 VALVE NO. 40211, 1 EA MASONEILAN ACTUATOR NO. 48, 1 EA MAS

UNIT OF PURCHASE EA
UNIT OF ISSUE EA
CONVERSION FACTOR ...........
LAST UNIT COST ............
LATEST PO DATE .......

EST. WEIGHT (LBS) ..... 
LEAD TIME (WEEKS) ...
SHELF LIFE (MTHS) 999
STORAGE CONDITION C

CONSUMABLE ? .

ENTER P IF PARENT .

RECORD STATUS A
( ) ENTER NEW PART INFORMATION
RESPONSIBILITY		ACTION

13. Key and enter the following information:

SPACE		DESCRIPTION
UNIT OF PURCHASE	Defaults to EA (2 digits)
UNIT OF ISSUE	Smallest Unit of Issue (2 digits)
CONVERSION FACTOR	Issue Units per purchase (10 digits)
LAST UNIT COST	Unit cost of last purchase (12 digits)
LATEST PO DATE	Last Purchase Order (6 digits)
EST. WEIGHT (LBS)	Weight of unit purchased (5 digits)
LEAD TIME (Weeks)	Estimated time to receive order (3 digits)
STORAGE CONDITION	Defaults to C (2 digits)
SHELF LIFE (MTHS)	Number of Months (3 digits)
Indefinite (Leave Blank)
CONSUMABLE ?	Y = Consumable
N or Blank = Not Consumable
ENTER P IF PARENT	P = Parent Part

Online System 14. Posts information to the Part Information Catalog record and display the record.
RESPONSIBILITY
Online System

ACTION
14. (continued)

EXAMPLE

APMK PART INFORMATION CATALOG

CPL CODE # 0440180 LOC 912
DESCRIPTION-1 VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONSIST OF 1 EA MASONEILA
2 N VALVE NO 40211, 1 EA MASONEILAN ACTUATOR NO 48, 1 EA MAS

UNIT OF PURCHASE EA
UNIT OF ISSUE EA
CONVERSION FACTOR ...........
LAST UNIT COST ............
LATEST PO DATE .......

EST. WEIGHT (LBS) ..... 
LEAD TIME (WEEKS) ...
SHELF LIFE (MTHS) 999
STORAGE CONDITION C

CONSUMABLE ? .

ENTER P IF PARENT .

RECORD STATUS A

( ) ENTER NEW PART INFORMATION

15. Press ENTER key to proceed to the Parent Equipment Catalog screen

NOTE
If the material is not a parent, the system proceeds directly to the Bill Of Material Catalog screen.
RESPONSIBILITY
ACTION

Online System
16. Displays Parent Equipment Catalog screen

EXAMPLE

APMK

PARENT EQUIPMENT CATALOG

RESP LOC 912 CPL CODE # 0440180
DESCRIPTION VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONSIST OF 1 EA MASONEILA
MFG NAME CODE 9700256 MFG NAME MASONEILAN INTERNATIONAL INC
MFG MODEL # .................................. FILE REFERENCE ...........

IF HIGHEST LEVEL PARENT, ENTER H.

<table>
<thead>
<tr>
<th>TAG NO</th>
<th>MFG SERIAL #</th>
<th>UT</th>
<th>EQ</th>
<th>SERV-TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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<td>10</td>
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</tbody>
</table>

(. ) CATALOG PARENT EQUIPMENT
<table>
<thead>
<tr>
<th>RESPONSIBILITY</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>17. Key and enter the following information:</td>
<td></td>
</tr>
<tr>
<td>SPACE</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>MFG NAME CODE</td>
<td>Vendor Code # (7 digits)</td>
</tr>
<tr>
<td>MFG MODEL #</td>
<td>Describes Equipment (30 digits)</td>
</tr>
<tr>
<td>FILE REFERENCE</td>
<td>File Number (10 digits)</td>
</tr>
<tr>
<td>IF HIGHEST LEVEL</td>
<td>High Level Parent Flag (1 digit)</td>
</tr>
<tr>
<td>PARENT, ENTER H</td>
<td></td>
</tr>
<tr>
<td>TAG NO</td>
<td>Physical Part Number (20 digits)</td>
</tr>
<tr>
<td>MFG SERIAL #</td>
<td>Serial Manufacturer No (20 digits)</td>
</tr>
<tr>
<td>UT</td>
<td>Unit ID Number (2 digits)</td>
</tr>
<tr>
<td>EQ</td>
<td>Equipment ID (1 digit)</td>
</tr>
<tr>
<td>SERV-TYPE</td>
<td>Type Description (5 digits)</td>
</tr>
</tbody>
</table>

18. Posts information to the Parent Equipment Catalog record and display the record.
RESPONSIBILITY ACTION
Online System 18. (continued)

EXAMPLE

<table>
<thead>
<tr>
<th>TAG NO</th>
<th>MFG SERIAL #</th>
<th>UT</th>
<th>EQ</th>
<th>SERV-TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1HD002</td>
<td></td>
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</tbody>
</table>

CONTINUE CATALOGING PARENT EQUIPMENT RECORDS

( ? )
OR ENTER "N" FOR THE NEXT SCREEN

19. Key and enter an N in the ( ) to proceed to the Bill Of Material Catalog screen

NOTE
If the material is a high level parent, the system proceeds directly to the Inventory Information Catalog screen
RESPONSIBILITY

Online System

ACTION

20. Displays Bill of Material Catalog screen

EXAMPLE

APMK

BILL OF MATERIAL CATALOG

ASSEMBLY/PART CODE # 0440180 VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONS
PARENT/ASSEMBLY CODE # 0000000

NEW PARENT/ASSEMBLY CODE # .........

PART QTY PER ITEM 1

LOC 912

CATALOG BILL OF MATERIAL RECORD

21. Key and enter the following information:

<table>
<thead>
<tr>
<th>SPACE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW PARENT/ASSEMBLY CODE #</td>
<td>Parent CPL Code Number (7 digits)</td>
</tr>
<tr>
<td>PART QTY PER ITEM</td>
<td>Parts Per Parent (4 digits)</td>
</tr>
</tbody>
</table>
RESPONSIBILITY
Online System

ACTION
22. Posts information to the Bill Of Material Catalog record and display the record.

EXAMPLE

APMK
BILL OF MATERIAL CATALOG

ASSEMBLY/PART CODE # 0440180 VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONS
PARENT/ASSEMBLY CODE # 0000000

NEW PARENT/ASSEMBLY CODE # .......

PART QTY PER ITEM 1

LOC 912

REVIEW NEW PARENT/ASSEMBLY CODE # DESCRIPTION

( ) PRESS ENTER IF IT IS CORRECT

23. Press the ENTER key to proceed to the Inventory Information Catalog screen
RESPONSIBILITY

Online System

ACTION

24. Displays the Inventory Information Catalog screen:

EXAMPLE

APMK

INVENTORY INFORMATION CATALOG

RESP LOC 912  CPL CODE # 0440180  RECORD STATUS A
DESCRIPTION-1 VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONSIST OF 1 EA MASONEILA

WHSE LOCATION ..............
QTY ON HAND ........
MINIMUM ........
MAXIMUM ........
ORDER QTY ........
QTY ON ORDER ........
QTY ON RESERVE ........
LAST ISSUE DATE ........
LAST TRANS DATE ........
REQUISITION-1: ........... 2: ...........
PURCHASE ORDER-1: ....... PO DATE-1: ...... BLANKET PO RELEASE-1: ...... 2: ......
2: ......
2: ......

( ) CATALOG PART INTO INVENTORY
**RESPONSIBILITY**  

<table>
<thead>
<tr>
<th>SPACE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHSE LOCATION</td>
<td>Physical Location (20 digits)</td>
</tr>
<tr>
<td>QTY ON HAND</td>
<td>Quantity in Inventory (5 digits)</td>
</tr>
<tr>
<td>MINIMUM</td>
<td>Minimum in Inventory (5 digits)</td>
</tr>
<tr>
<td>MAXIMUM</td>
<td>Maximum in Inventory (5 digits)</td>
</tr>
<tr>
<td>ORDER QTY</td>
<td>Quantity to Order (5 digits)</td>
</tr>
<tr>
<td>QTY ON ORDER</td>
<td>Quantity on Order (5 digits)</td>
</tr>
<tr>
<td>LAST ISSUE DATE</td>
<td>Last Date of Issue (6 digits)</td>
</tr>
<tr>
<td>LAST TRANS DATE</td>
<td>Last Date of Activity (6 digits)</td>
</tr>
<tr>
<td>REQUISITION-1:</td>
<td>Number From Requisition Form (10 digits)</td>
</tr>
<tr>
<td>2:</td>
<td></td>
</tr>
<tr>
<td>PURCHASE ORDER-1:</td>
<td>Number From Purchase Order Form (5 digits)</td>
</tr>
<tr>
<td>2:</td>
<td></td>
</tr>
<tr>
<td>PO DATE-1:</td>
<td>Date From Purchase Order Form (6 digits)</td>
</tr>
<tr>
<td>2:</td>
<td></td>
</tr>
<tr>
<td>BLANKET PO RELEASE-1:</td>
<td>Release on Purchase Order (6 digits)</td>
</tr>
<tr>
<td>2:</td>
<td></td>
</tr>
<tr>
<td>VENDOR-1:</td>
<td>Vendor Code Number (7 digits)</td>
</tr>
<tr>
<td>2:</td>
<td></td>
</tr>
</tbody>
</table>
RESPONSIBILITY

Online System

ACTION

26. Posts information to the Inventory Information Catalog record and displays the record.

EXAMPLE

<table>
<thead>
<tr>
<th>APMK</th>
<th>INVENTORY INFORMATION CATALOG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RESP LOC 912</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION-1 VALVE ASSEMBLY, CONTROL: 3 0 INCH, CONSIST OF 1 EA MASONEILA</td>
</tr>
<tr>
<td>WHSE LOCATION</td>
<td></td>
</tr>
<tr>
<td>QTY ON HAND</td>
<td>0</td>
</tr>
<tr>
<td>MINIMUM</td>
<td>0</td>
</tr>
<tr>
<td>MAXIMUM</td>
<td>0</td>
</tr>
<tr>
<td>ORDER QTY</td>
<td>0</td>
</tr>
<tr>
<td>QTY ON ORDER</td>
<td>0</td>
</tr>
<tr>
<td>QTY ON RESERVE</td>
<td>0</td>
</tr>
<tr>
<td>LAST ISSUE DATE</td>
<td>000000</td>
</tr>
<tr>
<td>LAST TRANS DATE</td>
<td>000000</td>
</tr>
<tr>
<td>REQUISITION-1:</td>
<td></td>
</tr>
<tr>
<td>PURCHASE ORDER-1: 000000</td>
<td></td>
</tr>
<tr>
<td>PO DATE-1: 000000</td>
<td></td>
</tr>
<tr>
<td>BLANKET PO RELEASE-1: 2: 000000</td>
<td></td>
</tr>
<tr>
<td>VENDOR-1: 0000000</td>
<td></td>
</tr>
<tr>
<td>2: 000000</td>
<td></td>
</tr>
</tbody>
</table>

( ) PART CATALOGUED, ENTER "N" TO CATALOG THE NEXT PART

27. Key and ENTER an N in the ( ) to proceed to the Manufacturer Part Catalog screen.
END RESULTS

The intended end results are the creation and successful implementation of an on-line catalogue sub-system. This sub-system will form the foundation of the CPL Power Plant Inventory Control system. The system should also be "user friendly" highlighting errors and sending the user prompts to correct the errors and/or to continue to the next catalogue screen.

The implementation of this sub-system should also provide for better inventory control, to maximize interchangeability of parts between equipment, allow immediate and accurate initial entry and updates to the inventory, provide easier and faster access to parts and to increase efficiency and productivity.

This sub-system will be used to initially catalogue all parts into the inventory system. Once each of the nine power station locations have catalogued the existing inventory, the parts sub-system will be used to update existing part information and add newly received inventory to the system. For this reason there is no future development planned for the parts catalogue sub-system.