**Test Scripts for PXRM\*2\*47 t6**

## SITE: Puget Sound

**TESTER: Doreen Rains, Program Analyst (Informatics)**

\*\*NOTE: COMPLETED TESTING ON ALL ITEMS EXCEPT #6abc BECAUSE OF DIFFICULTY LOCATING A REMINDER W/CRITERIA. DISCUSSED WITH PATRICK REDINGTON AND ORLANDO VA WAS ABLE TO TEST THIS ITEM SUCCESSFULLY AND IT PASSED.

Also discovered separate issue involving code search error (STACK ERROR OCCURRING IF YOU ATTEMPT TO PUT IN TEXT FOR CODE, E.G., "DIABETES" INSTEAD OF ACTUAL CODE. Patrick able to replicate and has already fixed error.

Item # **PASS FAIL**

# Item 1: The following changes are made.

GMTS\*2.7\*113

Generation of the output for the Health Summary Clinical Reminders components has been consolidated.

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| --- | --- | --- |
| 1a. | **PASS** |  |

Verify Clinical Summaries still work? Clinical Reminders components still work?

# Item 2: The following items are deleted:

## PRINT TEMPLATES:

\*Note If you have FileMan access to do a DD listing, check at the

PXRM TAXONOMY DIALOG FILE #811.2 PXRM TAXONOMY INQUIRY FILE #811.2 PXRM TAXONOMY LIST FILE #811.2

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| 2a. | **PASS** |  |
| 2b. | **PASS** |  |
| 2c. | **PASS** |  |
| 2d. | **PASS** |  |

PXRM TAXONOMY LIST HEADER FILE #811.2

# Item 3: Reminder Computed Findings:

**Routine Typo:** \* Note: Must build a patient list to test

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| 3a. | **PASS** |  |

There was a typo in the routine for the list type computed finding VA-PATIENT RECORD FLAG LIST, which prevented the Computed Finding Parameter from being passed during reminder evaluation.

Does the Computed Finding Parameter now correctly pass the flag name and flag type during reminder evaluation?

**New list type computed findings:** \*Note Must build a patient list to test

Two new list type computed findings: VA-AGE BIRTH SEX LIST and VA-BIRTH DATE BIRTH SEX LIST for building lists of patients based on an age range or range of birth dates. Birth sex is an optional filter for both of them.

VA-AGE BIRTH SEX LIST Do these computing finding work correctly? VA-BIRTH DATE BIRTH SEX LIST Is Birth sex is an optional filter?

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| 3b. | **PASS** |  |
| 3c. | **PASS** |  |

# Item 4: Reminder Definitions:

## As a security measure:

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| 4a. | **PASS** |  |

The input transform for the Condition field in definitions and terms was written to not allow the characters “^” or “@” to be used in a Condition. It was found that individuals with programming knowledge were getting around this by using the $C function. The input transform was changed to prevent this. The Condition field in definitions and terms will no longer allow “^” or “@” or $C function? Verify that "^", "@", and "$C" cannot be used in a Condition

## Input:

A typo in the input transform for Reminder Frequency allowed frequencies to be stored in lower case was found, it was corrected. Also, all frequencies that were stored in lower case have been changed to upper case. This was done for both Baseline Reminder Frequencies and Finding Reminder Frequencies. The same changes were made for the field DO IN ADVANCE TIME FRAME.

Baseline Reminder Frequencies - Only stores Upper Case? Finding Reminder Frequencies - Only stores Upper Case? DO IN ADVANCE TIME FRAME - Only stores Upper Case?

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| 4b. | **PASS** |  |
| 4c. | **PASS** |  |
| 4d. | **PASS** |  |
| 4e. | **PASS** |  |

All frequencies that were stored in lower case have been changed to upper case

## When using option PXRM DEFINITION COPY:

When using the option PXRM DEFINITION COPY and then immediately editing the newly created definition, if you tried to change the .01 of a finding it did not work; in fact none of the other fields

were prompted for; Remedy ticket #1202814. This was traced to variable DIR being defined when

^DIE is called. DIR is setup for a call to ^DIR to ask the user if they want to edit the newly created definition. Newing DIR before the call to ^DIE fixes the problem.

User copies definition field; user can edit the newly created definition?

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| 4f. | **PASS** |  |

## Definition Integrity Checker:

For list type definitions, a fatal error of "no baseline age range defined" was returned when the cohort logic contained AGE, even though an age range was defined. This was fixed.

Create Reminder definition that is 'List Type' with AGE in cohort logic. With age range - No errors returned?

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| 4g. | **PASS** |  |

# Item 5: Reminder Dialogs:

A problem with the List Manager Dialog Detail display showing a procedure code in the diagnosis section when an element contains a taxonomy was corrected; Remedy ticket #1050587.

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| 5a. | **PASS** |  |

Create a taxonomy with POV and Procedure codes to be used in a dialog. Attached the taxonomy to the dialog and verify in the detail display the codes appear under the correct headers.

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| 5b. | **PASS** |  |

The AUTOGENERATE DIALOG prompt was removed. AUTOGENERATE DIALOG prompt not available?

While researching Remedy ticket #1081395 it was found some entries from file 801.45 were incorrectly duplicated in the General Reminder Finding Type Parameter option. After patch 47, sites should have these entries in the General Reminder Finding Type Parameter.

PROCEDURE (CPT) EDUCATION TOPICS EXAM

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| 5c. | **PASS** |  |
| 5d. | **PASS** |  |
| 5e. | **PASS** |  |
| 5f. | **PASS** |  |
| 5g. | **PASS** |  |

HEALTH FACTOR IMMUNIZATION

ORDERABLE ITEM DIAGNOSIS (POV) SKIN TEST

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| 5h. | **PASS** |  |
| 5i. | **PASS** |  |
| 5j. | **PASS** |  |
| 5k. | **PASS** |  |
| 5l. | **PASS** |  |

VITAL TYPE

WH NOTIFICATION PURPOSE

# Item 6: Reminder Evaluation:

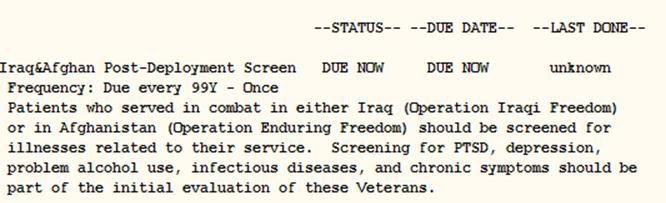
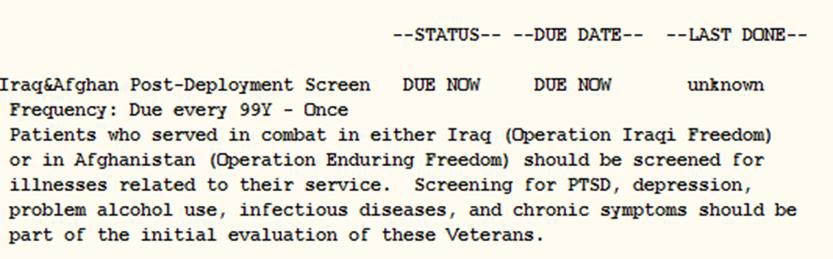
There was a problem with the due date calculation when the frequency is in hours and the last done is today; Remedy ticket #1117255. The calculation was not taking time into account so it was showing as resolved even if the time has passed. The same was true for the due in advance calculation. These were both corrected to account for hours in the calculation. This change raised an issue with the display of DUE DATE and LAST DONE not including time when it should. Normally the status line only shows the date, it was changed to display the date and time whenever the frequency is hours.

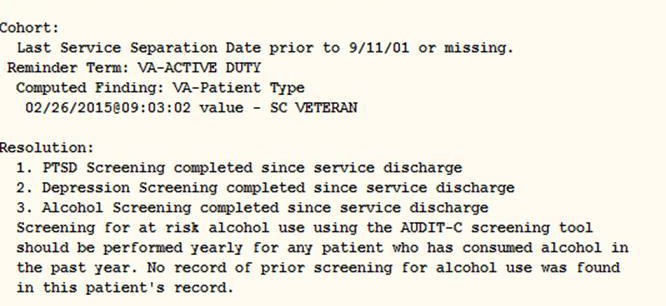
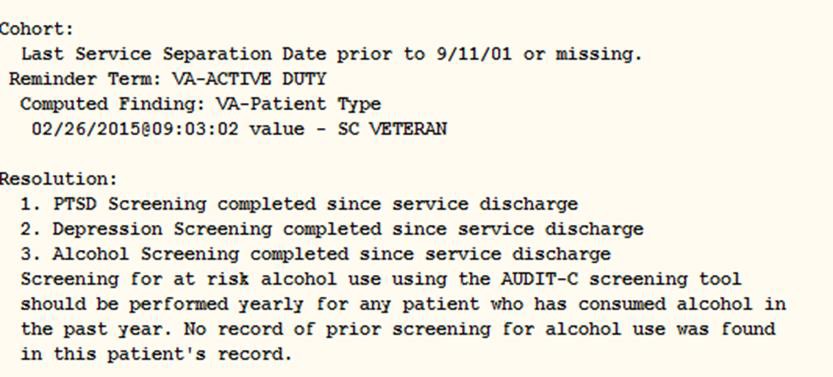
|  |  |  |  |
| --- | --- | --- | --- |
| 6a. | **PASS** |  | Due date calculation when the frequency is in hours and the last done is today is corrected? Due in advance calculation is correct?  DUE DATE and LAST DONE includes time when frequency is hours? |
| 6b. | **PASS** |  |
| 6c. | **PASS** |  |

There has been a long standing wrapping problem when displaying Clinical Maintenance output via a TIU Object in a note. Wrapping is corrected?

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| 6d. | **PASS** |  |

Prior Wrapping New Wrapping

## Item 7: Reminder Exchange:

**TIU Objects:** \* Note: If you have an available TIU object to install.

Reminder Exchange was changed so it can better handle TIU Objects; Remedy ticket #1080058. It now makes sure that the TIU Object has either a Personal Owner or a Class Owner. Without one of these it will not work.

Reminder Exchange with TIU Objects work correctly with no errors?

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| 7a. | **PASS** |  |

## Immunizations:

With the release of PX\*1.0\*201 immunizations are standardized, so Reminder Exchange should no longer transport or install them. Reminder Exchange was modified so that immunizations are no longer transportable.

Verify that immunization are no longer installable in Reminder Exchange.

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| 7b. | **PASS** |  |

## Undefined Error:

In Reminder Exchange if the item number is selected first and then the delete action is chosen it generated the undefined error:

<UNDEFINED>DELETE+3^PXRMEXU1 \*LIST CPRS285A4:CPRS30 13f2>

Undefined Error no longer is given if the item number is selected first and then the delete action is chosen?

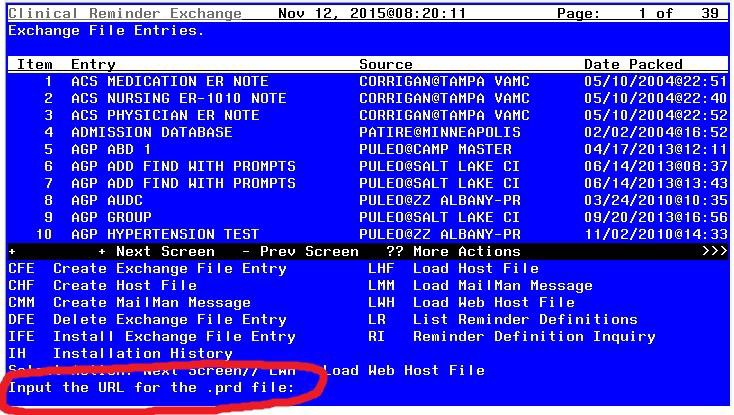
|  |  |  |
| --- | --- | --- |
| 7c. | **PASS** |  |

## “url” Font changed

“url” was changed to “URL” in the following prompts:

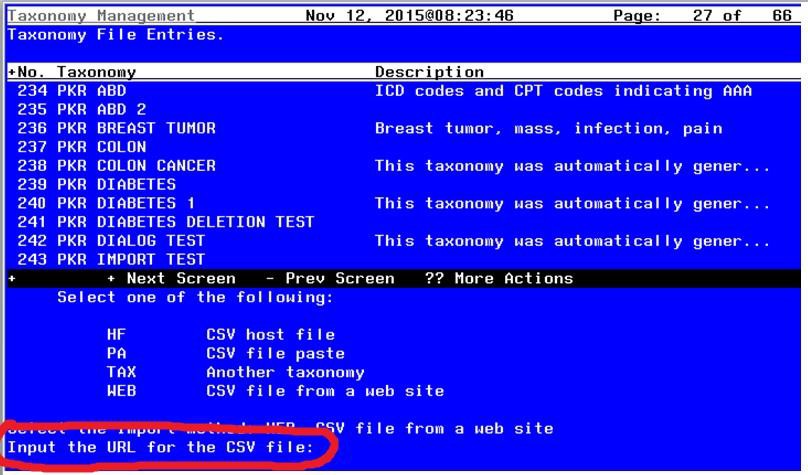
"Input the url for the .prd file"

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| 7d. | **PASS** |  |

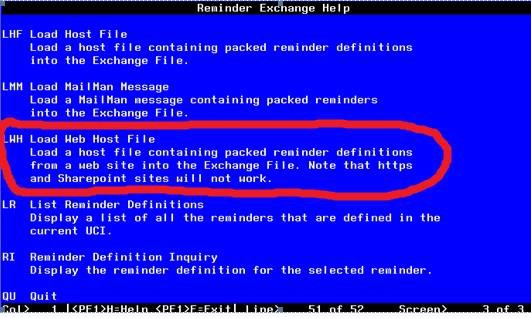


"Input the url for the CSV file"

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| 7e. | **PASS** |  |



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| **Help for Reminder Exchange was updated:** | | | |
| 7f. | **PASS** |  | The help for Reminder Exchange was updated to make it clear that https and SharePoint cannot be used for the action: Load Web Host File. Is it clear? |



Also, the help text is now displayed via the FileMan Browser. Help text displayed in FileMan Browser?

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| 7g. | **PASS** |  |

## Item 8: Reminder Patient Lists:

In the Patient Demographic Report when producing delimited output, the delimiter was missing between PATIENT’S PREFERRED FACILITY and Reminder Status; Remedy ticket #1224812. Reminder Status is only available when the patient list is created from a Reminders Due Report. PATIENT’S PREFERRED FACILITY is always the last item unless Reminder Status is included so except in the case where Reminder Status is included the missing delimiter was not a problem. There is now a delimiter between PATIENT’S PREFERRED FACILITY and Reminder Status.

Delimiter between PATIENT’S PREFERRED FACILITY and Reminder Status is present?

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| 8a. | **PASS** |  |

## Item 9: Reminder Taxonomies:

**The ability to view/edit all selected codes was added.**

The ability to view/edit all selected codes was added. This has the actions ADD, RFT, RFD, UID, SAVE, and EXIT. If a code is present under more than one term/code it will show once in the all selected codes view and any action taken on the code will apply to all instances of that code. If there is a single code in a term and the code is being deleted the user is prompted to confirm they also want the term deleted, the default is yes. If the user says no then the term is kept but the code is deleted. Note that none of this is final until the final ScreenMan save. In the intermediate view before the ScreenMan save the number of codes is listed as 0 instead of “none”.

Verify that all selected codes view properly shows selected codes. Ensure that 'actions' in selected code view works?

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| 9a. | **PASS** |  |
| 9b. | **PASS** |  |

## Name Change:

The name of the action “Remove from dialog” was changed to “Remove Use in Dialog”.

Verify that the prompt has changed from "Remove from dialog” to “Remove Use in Dialog”

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| 9c. | **PASS** |  |

## list of Coding Systems:

The list of coding systems that can be used in a dialog in erroneously included SCT. This was corrected.

Verify that SCT codes cannot be marked as Use In Dialog.

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| 9d. | **PASS** |  |

## Taxonomy Inquiry:

In taxonomy inquiry, if a Lexicon Search Term did not contain any codes it was not being displayed. This was corrected.

User puts in a search term with out selecting any codes, verify it shows in the Taxonomy inquiry.

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| 9e. | **PASS** |  |

## UID Edit:

The action UID Edit (UIDE) was added to the taxonomy management menu. This gives the user the ability to edit UID for all taxonomies including national taxonomies.

Verify that user has the ability to edit UID for national taxonomies.

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| 9f. | **PASS** |  |

**"AE” Index Entry:** \*Note: This test must be done with a patient that has the available codes assigned.

Even if a code is duplicated under more than one term/code there is only one “AE” index entry for the code. This prevents searching for the code more than once during taxonomy evaluation. If one of the instances of the code was deleted, the “AE” index entry for the code was being incorrectly deleted because the code is still present under the other search term. This was fixed.

Testing:

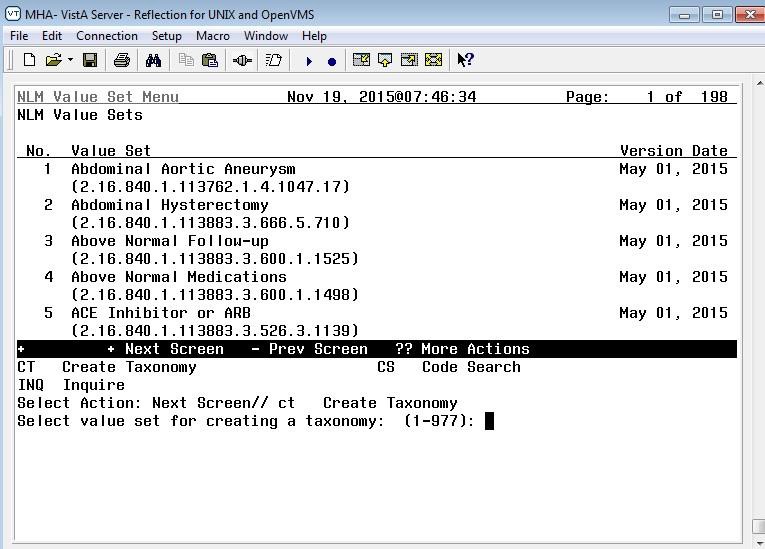
|  |  |  |
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| 9g. | **PASS** |  |

1. Create a Taxonomy with two different search terms each containing the same code.
2. Run the Reminder test to find the codes.
3. Delete one of the codes from one search term
4. Run reminder test again to ensure user can still find code for patient.

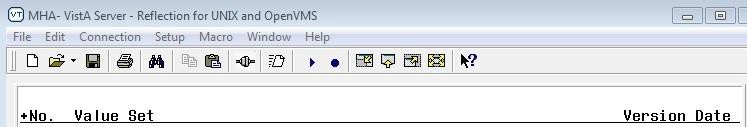
## Item 10: Reminder Value Sets:

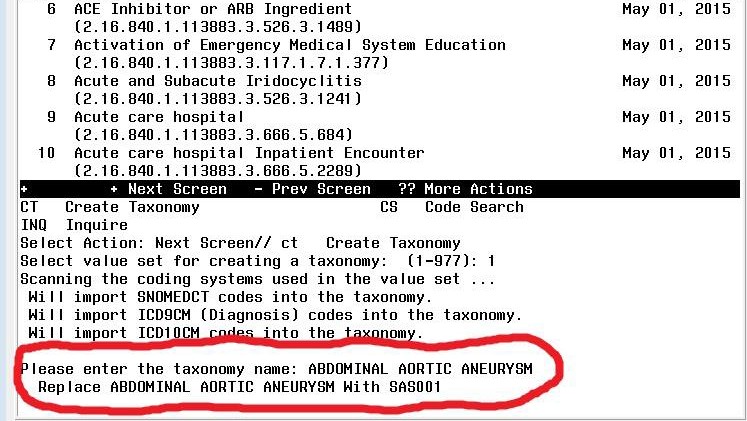
The National Library of Medicine has a Value Set Authority Center (VSAC) web site, where value sets can be obtained. From the web site: “Value sets are lists of specific values (terms and their codes) derived from single or multiple standard vocabularies used to define clinical concepts (e.g. patients with diabetes, clinical visit, reportable diseases) used in quality measures and to support effective health information exchange.” These value sets cover many clinical areas of relevance to the VA and since they are very similar to taxonomies they can be used to automatically generate taxonomies.

The List Manger screen lists all the value sets contained in the NLM Value Set file. Since it is List Manager, all the standard List Manager actions such as SL (search list) are available. In addition to the standard List Manager actions, there are these actions:



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| Create Taxonomy  This action will automatically generate a new taxonomy from a value set. Some value sets contain coding systems that are not supported in taxonomies so when a taxonomy is generated, these coding systems will not be included. When you select the CT action you are prompted for the value set, after it has been selected the value set is scanned for coding systems that can be imported into the taxonomy, they are listed. The default name for the new taxonomy is the name of the value set; you are given the opportunity to change it. The taxonomy is then created and the code list is populated. The description of the taxonomy will be populated with text stating it was automatically generated from a value set. | | | |
| 1. Select "Reminder Managers Menu" | | | |
| 10a. | **PASS** |  | 2. Select "NLM Value Sets" (vs). Is VS option present and selectable? |
| 3. Select "Create Taxonomy" (CT), next select a Value Set. | | | |
| 4. Replace the name for the new taxonomy (this will create the new taxonomy name) | | | |

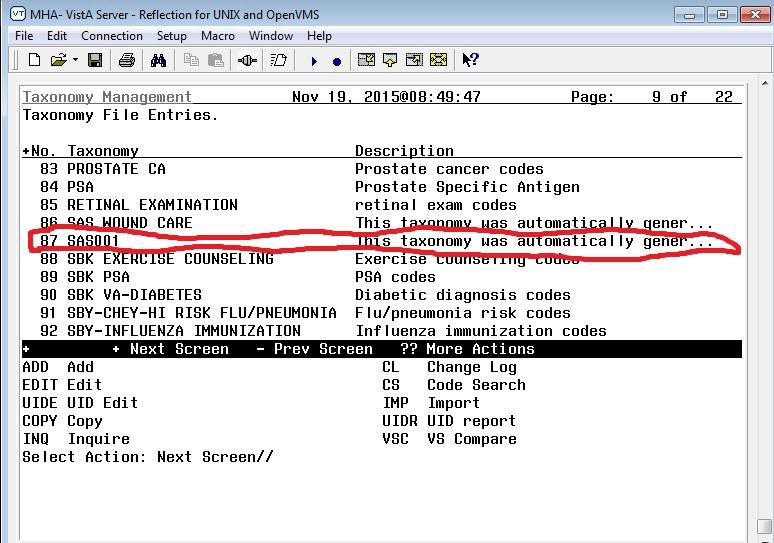




Were you able to replace name?

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| 10b. | **PASS** |  |

1. Once "Enter" has been done( taxonomy copied) you will need to back out and select the TXM Menu



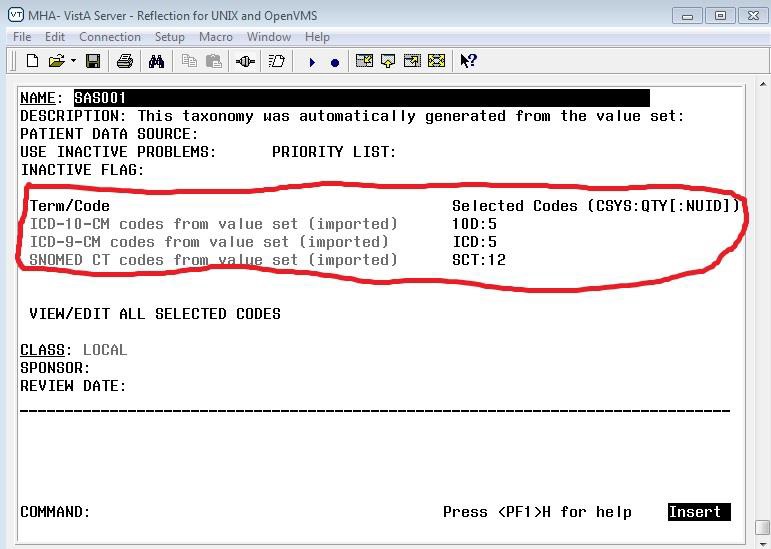
1. Select the newly created taxonomy and verify that all the supported codes were imported.

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| 10c. | **PASS** |  |

1. Select "Edit" option, type in number of name to newly copied Taxonomy In this edit Menu, you can edit as before.

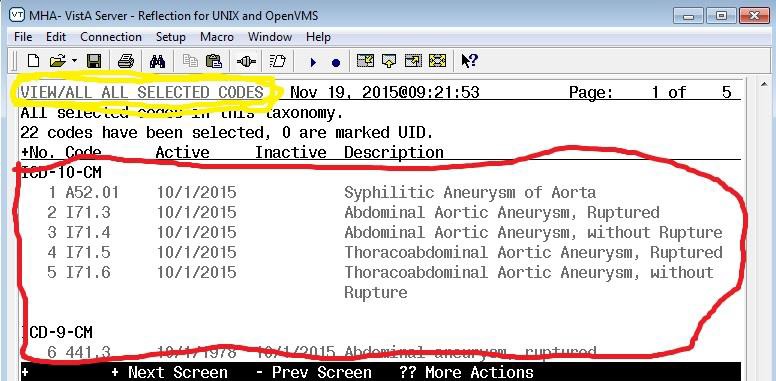
|  |  |  |
| --- | --- | --- |
| 10d. | **PASS** |  |

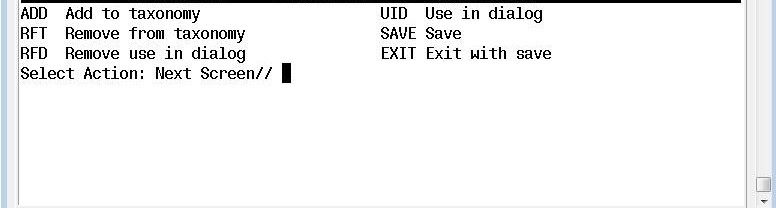
Term/Code can be edited / deleted or added to Taxonomy.



1. Select 'VIEW/EDIT ALL SELECTED CODES'. Does the view show all selected Codes?

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| 10e. | **PASS** |  |





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| 10f. | **PASS** | 9. Can you add or remove and edit codes? |
| **\*\*\*Caution only delete newly created / copied taxonomy if it has not been used\*\*\*** | | |