Department of Veterans Affairs

Clinical Ancillary Services (CAS)

**Sprint-1**

Test Case CAS\_MPDU\_TC\_001



CLIN# 0004AE

August 2017

Version 1.0

Revision History

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| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 08/04/2017 | 1.0 | Initial draft | Joseph A. McGovern |

Template Revision History

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| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 08/04/2017 | 1.0 | Constructed for CAS based on historical Test Case format used on prior VA Projects | Joseph A. McGovern |

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# Product Description

OneVA Pharmacy Clinical Ancillary Services (CAS) project

## Purpose

The purpose of this document is to develop test case scenarios to identify, clarify, and organize CAS application requirements. The test case is made up of a set of possible sequences of interactions between systems and users in the CHYSHR and DAYTSHR environments to validate and verify that OneVA Pharmacy software Outpatient Pharmacy Prescription Processing will prevent the processing of prescription refills if they are requested "too soon" after the last refill so that prescriptions are not over-distributed. Prescriptions are not auto-suspended.

The CHYSHR environment is the Host site. The DAYTSHR environment is the dispensing site (remote).

The test case should contain all system activities that have significance to the Pharmacist users.

## Scope

OneVA Pharmacy software Outpatient Pharmacy Prescription Processing will prevent a Pharmacist from the processing of prescription refills if they are requested "too soon" after the last refill so that prescriptions are not over-distributed. Prescriptions are not auto-suspended.

# Test Case

CAS Test Cases and supporting test scripts will be recorded managed in VA Enterprise Jazz Rational Quality Manager Tool PBM(QM). Stakeholders can also provide inputs about the current set of test cases as well as suggest some more missing test cases.

This test case will:

* Capture and communicate functional requirements for software development; and
* Provide a set of test inputs, execution conditions, and expected results developed for a particular objective, such as to exercise a particular program path or to verify compliance with a specific requirement or defect remediation.

|  |  |
| --- | --- |
| Field | Description |
| Test Case ID: | CAS\_TC\_001 |
| RTC ID: | 554325 |
| RM ID: | 920988 |
| QM ID: | 154237 |
| Tester: | Joe McGovern |
| Environment: | CHYSHR, DAYTSHR |
| Build : | CAS PSO\_7\_497\_20170803A.KID |
| Use Case Name: | OneVA Pharmacy functionality to fix the auto-suspend |
| Scenario: | As a VA Pharmacist, I need the OneVA Pharmacy software Outpatient Pharmacy Prescription Processing to prevent the processing of prescription refills if they are requested "too soon" after the last refill so that prescriptions are not over-distributed. Prescriptions are not auto-suspended. |
| Actors: | Pharmacist |
| Pre-Condition: | The Pharmacist must have an active VistA account with access to the OneVA Pharmacy Program.  OneVa Pharmacy flag must be turned on at both host and dispensing sites.  At least one prescription should exist for the target patient. This prescription needs to have an issue date in the past, at least one refill, and a gap of more than the days supply since the last refill. |
| Post-Condition | Upon entry of valid access and verify codes on OutPatient Pharmacy Prescription Processing system and processing will deny the request for a prescription refill to be completed if it is requested "too soon" after the last refill so that prescriptions are not over-distributed.. |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps |  | Pass | Fail |
|  | **Actions** |  |  |
| Log into the ‘HOST’ system CHYSHR . |
| **Expected Results** |
| The ‘HOST’ system will be the system that ‘owns’ the prescription, or where the prescription was original written. |
|  | **Actions** |  |  |
| Enter your access/verify code(s). |
| **Expected Results** |
| User it taken to the default menu prompt. |
|  | **Actions** |  |  |
| Choose Option ‘PSO USER1’ |
| **Expected Results** |
| User is taken to the default menu prompt. |
|  | **Actions** |  |  |
| When prompted for ‘Division’, select the division associated with the OneVa pharmacy instance. |
| **Expected Results** |
| User is taken to the next prompt. |
|  | **Actions** |  |  |
| When prompted to ‘Select Label printer’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
|  | **Actions** |  |  |
| When prompted ‘Right Margin’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
|  | **Actions** |  |  |
| If prompted ‘OK to assume label alignment is correct’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
|  | **Actions** |  |  |
| When prompted ‘Bingo Board Display:”, press <return> |
| **Expected Results** |
| User is taken to the next menu list for outpatient pharmacy. |
|  | **Actions** |  |  |
| Choose ‘Rx (Prescriptions)’ |
| **Expected Results** |
| User may be prompted for order summary. |
|  | **Actions** |  |  |
| When prompted ‘Do you want an order Summary’, press <return> |
| **Expected Results** |
| The next outpatient pharmacy menu is displayed to the user. |
|  | **Actions** |  |  |
| Choose Patient ‘Prescription Processing’ |
| **Expected Results** |
| User is taken to the next prompt. |
|  | **Actions** |  |  |
| When prompted ‘Select PATIENT:’, enter the name of the patient. |
| **Expected Results** |
| Patient is selected and user is taken to the next prompt. |
|  | **Actions** |  |  |
| When prompted ‘Would you like to query prescriptions’, answer ‘YES’. |
| **Expected Results** |
| HDR query is made to gather OneVA pharmacy prescriptions. No error messages should be returned. |
|  | **Actions** |  |  |
| When prompted ‘Display Remote Data’, answer ‘NO’. |
| **Expected Results** |
| User is taken to the next step/prompt. |
|  | **Actions** |  |  |
| If prompted for ‘RX PATIENT STATUS’, press <return> if there is a default. Select a valid eligibility if none currently exist. |
| **Expected Results** |
| User will be taking to the patient profile, where Eligibility, Disabilities and other information is displayed. |
|  | **Actions** |  |  |
| Press <return> until you reach the medication list. |
| **Expected Results** |
| User will be taken to the medication list. |
|  | **Actions** |  |  |
| Find a prescription on the host site that has had an original fill at a minimum. That fill should be sometime that spans more than the fill date + day’s supply. |
| **Expected Results** |
| A good example would be a prescription from 1/1/2017, with a day’s supply of 30. The prescription can have refills, but the refills need to be in the past more than the day’s supply. |
|  | **Actions** |  |  |
| Refill the prescription at the HOST site (CHYSHR in our case), using PSO LM BACKDOOR ORDERS |
| **Expected Results** |
| Medication Profile Aug 03, 2017@15:00:41 Page: 1 of 2  ZZTEST,PATIENT  PID: xxxxxxxxxxx Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_  ISSUE LAST REF DAY  # RX # DRUG QTY ST DATE FILL REM SUP    -------------------------------------ACTIVE-------------------------------------  1 10000340 AMPICILLIN 250MG CAP 30 A 01-19 04-07 9 30  2 763006 ARIPIPRAZOLE 20MG TAB 30 E> 06-07 06-07 0 30  3 763003$ IBUPROFEN 600MG TAB 30 A> 04-01 04-01 11 30  4 763002 METFORMIN HCL 500MG TAB 15 S> 12-19 02-21 9 30  5 10000334$ NIACIN 250MG TAB 30 A> 01-03 02-10 10 30  6 763005 PSEUDO 60/TRIPROLIDINE 2.5MG TAB 30 A> 06-07 06-07 11 30  7 10000336 TACROLIMUS 0.5MG CAP 60 A> 02-06 03-09 10 30  ----------------------------------DISCONTINUED----------------------------------  8 763001 ACETAMINOPHEN 325MG TAB 30 DC>12-19 02-28 9 30  + Enter ?? for more actions  PU Patient Record Update NO New Order  PI Patient Information SO Select Order  Select Action: Next Screen// ^  This prescription was issued 1/19/2017, with the last refill of 4/7/17. |
|  | **Actions** |  |  |
| Using PSO LM BACKDOOR ORDERS at the HOST site, refill the prescription |
| **Expected Results** |
| OP Medications (ACTIVE) Aug 03, 2017@15:18:46 Page: 1 of 3  ZZTEST,PATIENT  PID: xxxxxxxxxxx Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_    Rx #: 10000340  (#) \*Orderable Item: AMPICILLIN CAP,ORAL \*\*\*(N/F)\*\*\*  (#) Drug: AMPICILLIN 250MG CAP \*\*\*(N/F)\*\*\*  (2) NDC: 00005-3586-23  (3) \*Dosage: 250 (MG)  Verb: TAKE  Dispense Units: 1  Noun: CAPSULE  \*Route: ORAL (BY MOUTH)  \*Schedule: QAM  (4)Pat Instructions:  SIG: TAKE ONE CAPSULE BY MOUTH EVERY MORNING  + Enter ?? for more actions  DC Discontinue PR Partial RL Release  ED Edit RF Refill RN Renew |
|  | **Actions** |  |  |
| Select Action: Next Screen// RF Refill . Answer the prompts for FILL DATE, MAIL WINDOW, and any other prompts. FILL DATE should be ‘TODAY’. |
| **Expected Results** |
| FILL DATE: (FEB 03, 2017-FEB 04, 2018): TODAY// <press return> (AUG 03, 2017)  MAIL/WINDOW: MAIL// <press return> MAIL  Now refilling Rx# 10000340 Drug: AMPICILLIN 250MG CAP  Qty: 30 Sig: TAKE ONE CAPSULE BY MOUTH EVERY MORNING |
|  | **Actions** |  |  |
| Press Return to Continue: <press return> |
| **Expected Results** |
| Medication Profile Aug 03, 2017@15:19:58 Page: 2 of 2  ZZTEST,PATIENT  PID: xxxxxxxxxxx Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_  ISSUE LAST REF DAY  # RX # DRUG QTY ST DATE FILL REM SUP  +  ------------------------------------PENDING-------------------------------------  9 ACARBOSE 50MG TAB QTY: 30 ISDT: 04-28> REF: 9  10 ACARBOSE 50MG TAB QTY: 30 ISDT: 05-04> REF: 1  11 ISOTRETINOIN CAP,ORAL QTY: 30 ISDT: 06-07 REF: 11  12 KETOROLAC TROMETHAMINE 10MG TAB QTY: 120 ISDT: 04-25 REF: 11  13 KETOROLAC TROMETHAMINE 30MG INJ QTY: 1 ISDT: 06-07 REF: 0  14 LISINOPRIL 20MG TAB QTY: 15 ISDT: 04-25 REF: 11  15 LISINOPRIL 20MG TAB QTY: 15 ISDT: 04-25 REF: 11  16 PSEUDO 60/TRIPROLIDINE 2.5MG TAB QTY: 30 ISDT: 06-07> REF: 11  Enter ?? for more actions  PU Patient Record Update NO New Order  PI Patient Information SO Select Order |
|  | **Actions** |  |  |
| Select Action: Quit// <press return> QUIT  Now note that the Rx has a fill date of 8/3/2017 |
| **Expected Results** |
| Label Printer: DECWIN  LABEL: QUEUE/CHANGE PRINTER/HOLD or '^' to bypass Q// ^  Medication Profile Aug 03, 2017@15:19:18 Page: 1 of 3  ZZTEST,PATIENT  PID: xxxxxxxxxxx Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_  ISSUE LAST REF DAY  # RX # DRUG QTY ST DATE FILL REM SUP    -------------------------------------ACTIVE-------------------------------------  1 10000340 AMPICILLIN 250MG CAP 30 A 01-19 08-03 8 30  2 763006 ARIPIPRAZOLE 20MG TAB 30 E> 06-07 06-07 0 30  3 763003$ IBUPROFEN 600MG TAB 30 A> 04-01 04-01 11 30  4 763002 METFORMIN HCL 500MG TAB 15 S> 12-19 02-21 9 30  5 10000334$ NIACIN 250MG TAB 30 A> 01-03 02-10 10 30  6 763005 PSEUDO 60/TRIPROLIDINE 2.5MG TAB 30 A> 06-07 06-07 11 30  7 10000336 TACROLIMUS 0.5MG CAP 60 A> 02-06 03-09 10 30  ----------------------------------DISCONTINUED----------------------------------  8 763001 ACETAMINOPHEN 325MG TAB 30 DC>12-19 02-28 9 30  + Enter ?? for more actions  PU Patient Record Update NO New Order  PI Patient Information SO Select Order |
|  | **Actions** |  |  |
| Navigate to PSO LM BACKDOOR ORDERS by login to DAYTSHR |
| **Expected Results** |
| Access DAYTSHR Environment Login Page |
| 24. | **Actions** |  |  |
| Log into the ‘Dispensing Remote’ system DAYTSHR . |
| **Expected Results** |
| The ‘HOST’ system will be the system that ‘owns’ the prescription, or where the prescription was original written. |
| 25. | **Actions** |  |  |
| Enter your access/verify code(s). |
| **Expected Results** |
| User it taken to the default menu prompt. |
| 26. | **Actions** |  |  |
| Choose Option ‘PSO USER1’ |
| **Expected Results** |
| User is taken to the default menu prompt. |
| 27. | **Actions** |  |  |
| When prompted for ‘Division’, select the division associated with the OneVa pharmacy instance. |
| **Expected Results** |
| User is taken to the next prompt. |
| 28. | **Actions** |  |  |
| When prompted to ‘Select Label printer’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
| 29. | **Action** |  |  |
| When prompted ‘Right Margin’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
| 30. | **Actions** |  |  |
| If prompted ‘OK to assume label alignment is correct’, press <return> |
| **Expected Results** |
| User is taken to the next prompt. |
| 31. | **Actions** |  |  |
| When prompted ‘Bingo Board Display:”, press <return> |
| **Expected Results** |
| User is taken to the next menu list for outpatient pharmacy. |
| 32. | **Actions** |  |  |
| Choose ‘Rx (Prescriptions)’ |
| **Expected Results** |
| User may be prompted for order summary. |
| 33. | **Actions** |  |  |
| When prompted ‘Do you want an order Summary’, press <return> |
| **Expected Results** |
| The next outpatient pharmacy menu is displayed to the user. |
| 34. | **Actions** |  |  |
| Choose Patient ‘Prescription Processing’ |
| **Expected Results** |
| User is taken to the next prompt. |
| 35. | **Action** |  |  |
| When prompted ‘Select PATIENT:’, enter the name of the patient. |
| **Expected Results** |
| Patient is selected and user is taken to the next prompt. |
| 36. | **Actions** |  |  |
| When prompted ‘Would you like to query prescriptions’, answer ‘YES’. |
| **Expected Results** |
| HDR query is made to gather OneVA pharmacy prescriptions. No error messages should be returned. |
| 37. | **Actions** |  |  |
| When prompted ‘Display Remote Data’, answer ‘NO’. |
| **Expected Results** |
| User is taken to the next step/prompt. |
| 38. | **Actions** |  |  |
| If prompted for ‘RX PATIENT STATUS’, press <return> if there is a default. Select a valid eligibility if none currently exist. |
| **Expected Results** |
| User will be taking to the patient profile, where Eligibility, Disabilities and other information is displayed. |
| 39. | **Actions** |  |  |
| Press <return> until you reach the medication list. |
| **Expected Results** |
| User will be taken to the medication list. |
| 40. | **Actions** |  |  |
| Find a prescription on the host site that has had an original fill at a minimum. That fill should be sometime that spans more than the fill date + day’s supply. |
| **Expected Results** |
| A good example would be a prescription from 1/1/2017, with a day’s supply of 30. The prescription can have refills, but the refills need to be in the past more than the day’s supply. |
| 41. | **Actions** |  |  |
| Attempt a refill using PSO LM BACKDOOR ORDERS from the ‘dispensing’ site, which is DAYTSHR in this case for the same prescription that was filled at the host site. |  |  |
| **Expected Results** |  |  |
|  | Medication Profile Aug 03, 2017@15:28:50 Page: 1 of 2  ZZTEST,PATIENT  PID: XXXXXXXXXXXX Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_  ISSUE LAST REF DAY  # RX # DRUG QTY ST DATE FILL REM SUP  +  6 2718952$ LISINOPRIL 10MG TAB 30 A> 01-26 04-25 9 30  7 2718951$ METHYLTESTOSTERONE 10MG CAP 30 E 01-07 03-13 3 30  --------------------------CHYSHR TEST LAB (983) ACTIVE--------------------------  8 10000340 AMPICILLIN 250MG CAP 30 A 01-19 08-03 8 30  9 763003 IBUPROFEN 600MG TAB 30 A 04-01 04-01 11 30  10 10000334 NIACIN 250MG TAB 30 A 01-03 02-10 10 30  11 763005 PSEUDO 60/TRIPROLIDINE 2.5MG TAB 30 A 06-07 06-07 11 30  12 10000336 TACROLIMUS 0.5MG CAP 60 A 02-06 03-09 10 30  -----------------------CHYSHR TEST LAB (983) DISCONTINUED-----------------------  13 763001 ACETAMINOPHEN 325MG TAB 30 DC 12-19 02-28 9 30  + Enter ?? for more actions  PU Patient Record Update NO New Order  PI Patient Information SO Select Order |  |  |
| 42. | **Actions** |  |  |
|  | Select Action: Next Screen// 8 CHOOSE THE PRESCRIPTION NUMBER THAT MATCHES THE PRESCRIPTION THAT WAS JUST FILLED AT THE HOST SITE. |  |  |
| **Expected Results** |
| REMOTE OP Medications (ACTIVE)Aug 03, 2017@15:29:06 Page: 1 of 1  TEST,HERRING  PID: XXXXXXXXXXX Ht(cm): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  DOB: JAN 1,1960 (57) Wt(kg): \_\_\_\_\_\_\_ (\_\_\_\_\_\_)  SEX: FEMALE  CrCL: <Not Found> BSA (m2): \_\_\_\_\_\_\_    Site #: 983(CHYSHR TEST LAB)  Rx #: 10000340  Drug Name: AMPICILLIN 250MG CAP  Days Supply: 30  Quantity: 30  Refills: 8  Expiration Date: 01/20/18  Issue Date: 01/19/17  Stop Date: 01/20/18  Last Fill Date: 08/03/17  Sig: TAKE ONE CAPSULE BY MOUTH EVERY MORNING  Enter ?? for more actions  RF Refill Rx from Another VA Pharmacy PR Partial |
| 43. | **Actions** |  |  |
| Select Action:Quit// RF Refill Rx from Another VA Pharmacy CHOOSE REFILL |
| **Expected Results** |
| Remote site drug name: AMPICILLIN 250MG CAP  Matching Drug Found for Dispensing: AMPICILLIN 250MG CAP |
| 44. | **Actions** |  |  |
| Would you like to use the system matched drug for this  refill/partial fill? NO// YES  IF THERE IS NO LOCAL MATCHING DRUG, YOU WILL NOT BE ABLE TO REFILL THIS PRESCRIPTION AND WILL NEED TO LOCATE A NEW ONE. |
| **Expected Results** |
| Processing refill request. Please be patient as it may take a moment for the host site to respond and generate your label data...  Unable to complete transaction.  **Cannot refill Rx# 10000340.**  **Next possible fill date is 8/23/2017**  **Press RETURN to continue:** |

1. Acronyms & Abbreviations

|  |  |
| --- | --- |
| Acronym | Definition |
| CAS | Clinical Ancillary Services |
| CHYSHR | Test Environment for Host site |
| CPRS | Computerized Patient Record System |
| DAYTSHR | Test Environment for the dispensing site (remote) |
| VHA | Veteran’s Health Administration |
| VistA | Veterans Health Information Systems and Technology Architecture |