

Clinical Ancillary Services (CAS)
Development - Delivery of Pharmacy Enhancements (DDPE)

Pharmacy Safety Updates

Requirements Specification Document



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Version 1.0

Revision History

Date	Version	Description	Author
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1. Introduction

This Requirements Specification Document (RSD) is to describe the functional requirements that address patient safety issues as they relate to VistA Outpatient and Inpatient Pharmacy.

1.1. Purpose

The purpose of this RSD is to provide details of the modifications necessary to the Veterans Health Information Systems and Technology Architecture (VistA) Pharmacy Legacy applications by the Pharmacy Safety Updates project team to meet the NSR requirements. This document details the necessary modifications to the Veterans Health Information Systems and Technology Architecture (VistA) Outpatient Pharmacy Legacy applications.

The target audience for this RSD includes Pharmacy users, the Pharmacy Safety Updates team, and test site users.

1.2. Scope

The scope of the Pharmacy Safety Updates project is to correct specific Remedy Tickets and to address specific functional enhancements to the software as approved by the Health Systems Enterprise Systems Manager (ESM). These included:

- **NSR 20110308 Addition of a STRENGTH Property to IV ADDITIVES and Premixed IV SOLUTIONS**
- **NSR) 20111206 Allow Dispensing of Greater Than 90 Day Supply within Outpatient Pharmacy including NSR 20060601 Modification to Pharmacy Package to allow > 90 days fill**

1.3. References

TSPR:

[REDACTED]
[REDACTED]

NSR 20110308:

[REDACTED] [\[REDACTED\]](#)

NSR 20111206

“Allow 365 Day Supply in Outpatient Pharmacy Package”

[REDACTED] [\[REDACTED\]](#)

2. Overall Description

NSR 20110308 Addition of a STRENGTH Property to IV ADDITIVES and Premixed IV SOLUTIONS

There is an issue with the algorithm used by Inpatient Pharmacy to appropriately select the correct IV additive with the corresponding orderable item and dosage strength. Currently, when a physician prescribes an IV medication, they choose an orderable item and a dose. This then comes across to inpatient pharmacy and the pharmacy application picks which of the IV additives is the correct entry based on the information provided. When there is a one-to-one ratio between the orderable item and IV additive, there is no problem, as the application has only one IV additive to choose from. If there are multiple IV additives for varying dosage strengths of a single orderable item though, the way the medication order is displayed and read by the inpatient pharmacy algorithm is misleading and often leads to incorrect IV additives for ordered dosage strengths. The algorithm needs to be modified so that it associates the appropriate IV additive to the correct orderable item AND dosage strength property.

The algorithm needs to be modified so that it associates the appropriate IV additive to the correct orderable item AND dosage strength property. This will ensure that the Veteran is receiving the proper dosage as well as the inhibiting any patient safety issues.

NSR 20111206 “Allow Dispensing of Greater Than 90 Day Supply within Outpatient Pharmacy including NSR 20060601 Modification to Pharmacy Package to allow > 90 days fill

The functional changes include extending the maximum 90 days supply limit, up to 365 days, **but not exceeding ‘one year’ of the total Rx.**, when processing selected medications or medical supply items that only come in units designed to last greater than the current 90 days supply in the Outpatient Pharmacy application.

1. Modification to Pharmacy Package to allow > 90 days fill
 - a. Pharmacy Data Management application (PDM)
 - b. Outpatient Pharmacy application (PSO)

2.1. Accessibility Specifications

All Section 508 requirements currently defined and depicted in the Health Systems Design and Development (HSDandD) Section 508 Checklists for Software Applications and Operating System guideline will be adhered to.

2.2. Business Rules Specification

Identified in the Functional section

2.3. Design Constraints Specification

There may be dependencies with Pharmacy Re-engineering however, the CPRS ordering functionality will not be affected by the changes included in this increment.

2.4. Disaster Recovery Specification

This section will be completed as part of the Concept of Operations submission

2.5. Documentation Specifications

All required ProPath documentation to support the development, deployment, and maintenance will be produced in support of the Pharmacy Safety Updates project. This includes but is not limited to:

- Installation Guide(s)
- Implementation Guide(s)
- User Manual(s)
- Security Guide(s)
- Requirements Traceability Matrix
- System Design Document
- Acceptance Criteria Plan
- Operations and Maintenance (O&M) Plan

2.6. Functional Specifications

This section contains the functional requirements necessary for the development of the Pharmacy Safety Updates. Due to the assignment of the Pharmacy Safety Updates project as being a VA Agile project, the associated Epic and User stories are referenced within this section. Each functional specification will be aligned to its respective Epic and User Story. Epic and User stories were entered into Rational Team Concert (RTC) as a way to manage development sprints. Each story has its corresponding RTC number indicated. Stakeholder prioritization of these requirements will be recorded and published using the VA-supplied IBM Rational Team Concert application.

2.6.1. Pharmacy Safety Updates – IV Additive Link Functionality

The following is the description of the issue identified in **NSR 20110308** as part of the IV Additive Linking Function:

There is an issue with the algorithm used by Inpatient Pharmacy to appropriately select the correct IV additive with the corresponding orderable item and dosage strength. The algorithm needs to be modified so that it associates the appropriate IV additive to the correct orderable item AND dosage strength property. The Contractor shall modify the VA-provided Inpatient Pharmacy algorithm (MUMPS/M code) used to select the correct IV additive so that it associates the appropriate IV additive to the correct orderable item and dosage strength property.

Through analysis, two options were identified to support the selection of the correct IV additive when a pharmacist is finishing a pending order. These options are:

Option 1: When there is more than one dispense drug matched to an Orderable Item (OI), the algorithm will select the item with an exact match on IV Additive strength. Matches will also be made for unique items when there is more than one of the same strength.

Option 2: When there is more than one dispense drug matched to an Orderable Item (OI), the algorithm will not select any of the items matched to the OI but have the pharmacist select the correct item from a displayed list of IV additives matched to the OI.

Through discussion it was determined that Option 2 would be the most beneficial since the pharmacist would select the item that matches the medication ordered by the provider.

RTC Epic 142929 As a VistA order entry user I want the system to use the modified VA-provided Inpatient Pharmacy algorithm to manage IV medication orders so that I can ensure IV medications are safely and effectively administered to patients.

The following user stories elaborate on the requirement to update the current algorithm for selecting the correct dispense drug when the pharmacist is finishing an order.

RTC User Story 145310 As a Pharmacy order entry application user I want the modified VA-provided Inpatient Pharmacy algorithm to continue to select an IV additive only if there is an exact IV additive strength match so that the correct dispense additive is on the pending order.

RTC Requirement 489082: The system shall select the IV additive that is an exact match to the pending ordered IV medication order.

RTC Requirement 492786: The system shall use the modified inpatient pharmacy algorithm to select an IV additive when there is only one item attached to the OI.

PENDING IV (ROUTINE)		Jan 14, 2015@10:04:20		Page: 1 of 2	
BCMAPATIENT,NINETYNINE		Ward: MIKE'S			
PID: 000-00-9999		Room-Bed: MJB-2		Ht.(cm) : _____ (_____)	
DOB: 06/17/09 (5)				Wt.(kg) : _____ (_____)	
* (1) Additives:		Type: ADMIXTURE			
PIPERACILLIN/TAZOBACTAM 2.25 GM (1)					
* (2) Solutions:					
DEXTROSE 5% 50 ML					
IV Limit: 9 hours		(4)	Start: 01/14/15 09:33		
* (3) Infusion Rate: 1 GM/HR					
* (5) Med Route: IV		(6)	Stop: 01/14/15 12:33		
* (7) Schedule:		Last Fill: *****			
(8) Admin Times:		Quantity: 0			
* (9) Provider: PROVIDER,TEST [es]		Cum. Doses:			
(10) Orderable Item: PIPERACILLIN/TAZOBACTAM INJ					
Instructions: 2,25GM/1VIAL of PIPERACILLIN 4/TAZOBACTAM 0.5GM/VI INJ					
(11) Other Print:					
(12) Remarks :					
+ Enter ?? for more actions					
+ Enter ?? for more actions					
DC	Discontinue	FL	(Flag)		
ED	Edit	FN	Finish		
Select Item(s): Next Screen//					

Detail Screen for Exact Match of only one IV Additive Strength

RTC User Story 145037: As a Pharmacy order entry application user I want the system to use the modified inpatient pharmacy algorithm so that If there are multiple IV additives with varying dosage strengths of a single orderable item the correct IV additive can be selected.

RTC Requirement 487870: The system shall use the modified inpatient pharmacy algorithm to identify that there are more than one item attached to an Orderable Item (OI).

RTC Requirement 492785: The system shall use the detailed screen used for Unit dose to display an IV Infusion order when there is more than one item attached to an Orderable Item (OI).

RTC Requirement 489078: The system shall display the the orderable item and the strength on the Orderable item and Instructions line of the Order detail screen for a pending order.

RTC Requirement 489079: The system shall display print name and for the the ordered item on the details order screen

RTC Requirement 496154: The system shall indicate that no match was made for the IV Additive and that the pharmacist must select the correct item.

<u>PENDING IV (ROUTINE)</u>		Jan 14, 2015@10:04:20	Page: 1 of 2
BCMAPATIENT,WINETYNINE		Ward: MIKE'S	
PID: 000-00-9999	Room-Bed: MJB-2	Ht (cm): _____	(_____)
DOB: 06/17/09 (5)		Wt (kg): _____	(_____)

(1) Additives:	Type:
(2) Solutions:	
Duration:	(4) Start: *****
(3) Infusion Rate:	REQUESTED START: 01/14/15 12:00
* (5) Med Route: IV	(6) Stop: *****
* (7) Schedule: Q3H	Last Fill: *****
(8) Admin Times: 01-04-07-10-13-16-19-22	Quantity: 0
* (9) Provider: TEST, PROVIDER [es]	Cum. Doses:
* (10) Orderable Item: PIPERACILLIN/TAZOBACTAM INJ	
Instructions: 4.5GM/1VIAL of PIPERACILLIN 4/TAZOBACTAM 0.5GM/VI INJ	
(11) Other Print:	
Provider Comments: DILUTE IN D5 300ML	
INFUSE 100ML/HR	
(12) Remarks :	

+ Enter ?? for more actions			
DC	Discontinue	FL	(Flag)
ED	Edit	FN	Finish
Select Item(s): Next Screen//			

No Match for IV Infusion Order with Orderable Item and Instructions added to detail

RTC User Story 145309 As a Pharmacy order entry application user I want the system to display the strengths for all the associated IV additives for a selected orderable item so that I can select the correct IV additive when finishing the order with more than one IV Additive matched to the OI.

RTC Requirement 494222: The system shall display the Orderable Item and Strength above the list dispensed items associated with the current order

RTC Requirement 489080: The system shall display all of the dispense items associated with a pending IV infusion medication order

RTC Requirement 489081: The system shall display the print name and the IV Additive strength on the list of the dispensed items associated with a pending IV infusion medication order

```

+      Enter ?? for more actions
DC Discontinue      FL  (Flag)
ED Edit            FN  Finish
Select Item(s): Next Screen//  FN  Finish
IV TYPE: PIGGYBACK//
Orderable Item: PIPERACILLIN/TAZOBACTAM INJ
Strength: 4.5GM/1VIAL of PIPERACILLIN 4/TAZOBACTAM 0.5GM/VI INJ
Select ADDITIVE:
  1  PIPERACILLIN/TAZOBACTAM  3.25  GM
  2  PIPERACILLIN/TAZOBACTAM  2.25  GM
  3  PIPERACILLIN/TAZOBACTAM  4.5   GM
Select (1 - 3): ?

Please select an Additive or Quick Code from the list.
  1  PIPERACILLIN/TAZOBACTAM  3.25  GM
  2  PIPERACILLIN/TAZOBACTAM  2.25  GM
  3  PIPERACILLIN/TAZOBACTAM  4.5   GM
Select (1 - 3): ??

Please select an Additive or Quick Code from the list.
  1  PIPERACILLIN/TAZOBACTAM  3.25  GM
  2  PIPERACILLIN/TAZOBACTAM  2.25  GM
  3  PIPERACILLIN/TAZOBACTAM  4.5   GM

```

Screen during Finish for Unmatched IV Additive with Strength shown

The following User Story though contained within this RSD will not be considered for further elaboration since it does not support Option 2 as defined by the user. The pending order will be displayed as it currently is for this option.

RTC User Story 145311 As a Pharmacy order entry application user I want the system to display the pending selected IV additive strength when more than one IV additive are available so that I can ensure the correct IV additive is on the pending order.

2.6.2. Pharmacy Safety Updates – Greater than 90 Days Supply

This section specifies the necessary modifications/enhancements to National Drug File (NDF), Pharmacy Data Management (PDM) and Outpatient Pharmacy applications as identified in **NSR 20111206** to allow greater than 90 day fill for some medications.

There are now several drug products on the market that are long acting and can remain pharmacologically active for up to a year. Due to the current functionality that limits days supply to 90 days, a patient is at risk of receiving the next dose of such products either too early or not at all. In order to overcome this patient safety issue, the Contractor will add a new field to store the maximum days supply up to 365 days that will be used by the current Outpatient Pharmacy applications. The Contractor shall also modify current functionality so that administration schedules can be set up to 365 days.

RTC Epic 151284: As a NDF management system user, I want to create a new field for maximum days supply so that it may be filled with the national limit.

The following user stories elaborate on the requirement to add a new field in NDF to store the maximum days supply.

RTC User Story 151285: As a National Drug File Management system user, I want to create a new field for maximum days supply with values of 1 up to 365 so that the national limit can be downloaded.

RTC Requirement 494637: The system shall provide the user with a new field in the VA PRODUCT file (#50.68) called MAXIMUM DAYS SUPPLY.

RTC Requirement 494639: The system shall display changes to the value in the new MAXIMUM DAYS SUPPLY field in the VA Product Changes Report [NDF PATCH EDIT REPORT].

RTC User Story 151286: As a National Drug File Management application user, I want to be able to view the maximum days supply for specific drug products.

RTC Requirement 494641: The system shall display the value in the MAXIMUM DAYS SUPPLY field in the Inquire to National Files [PSNACT] option.

RTC Requirement 494644: The system shall display the value in the MAXIMUM DAYS SUPPLY field in the Inquire to VA Product Info For local Drug [PSNLOOK] option.

RTC Epic 145573: As a Pharmacy Data Management user, I want to be able to specify in a new field the maximum days supply from 1 up to 365 days for specific drug products so that a maximum value can be set at each site.

The following user stories elaborate on the requirement to add a new field for maximum days supply in local drug file.

RTC User Story 145866: As a Pharmacy Data Management user, I want to be able to enter a number from 1 up to 365 in a new field for specific drug products so that I can specify a value for the maximum days supply.

RTC Requirement 494678 The system shall provide the user with a new field in the DRUG file (#50) called MAXIMUM DAYS SUPPLY.

RTC Requirement 494680 The system shall allow the user to enter a number from 1 up to 365 in the new field using the Drug Enter/Edit [PSS DRUG ENTER/EDIT] option.

RTC Requirement 494683 The system shall allow the user to edit the value in the new field using the Drug Enter/Edit [PSS DRUG ENTER/EDIT] option.

RTC Requirement 494687 The system shall allow the user to delete the value in the new field using the Drug Enter/Edit [PSS DRUG ENTER/EDIT] option.

RTC Requirement 494688 The system shall only allow the user to enter a value equal to or less than the value specified in the MAXIMUM DAYS SUPPLY field in the VA PRODUCT file (#50.68), if populated.

RTC Requirement 494689 The system shall only allow the user to enter a value equal to or less than 30 in the MAXIMUM DAYS SUPPLY field for Schedule 2 Controlled Substances.

RTC Requirement 494690 The system shall only allow the user to enter a value equal to or less than 90 in the MAXIMUM DAYS SUPPLY field for Schedules 3, 4 and 5 Controlled Substances.

RTC User Story 145881: As a Pharmacy Data Management user, I want to be able to view the maximum days supply for specific drug products.

RTC Requirement 494691 The system shall display the value in the new MAXIMUM DAYS SUPPLY field when using the Lookup into Dispense Drug File [PSS LOOK] option.

RTC Epic 145574: As an Outpatient Pharmacy application user, I want the system to use the new maximum days supply field so that I do not exceed the maximum days supply value.

RTC User Story 145884: As an Outpatient Pharmacy application user, I want to be able to view the defined maximum days supply for a specified drug product and enter a number from 1 up to the defined maximum days supply limit so that I do not exceed the maximum days supply value.

RTC Requirement 494692 The system shall display the defined maximum days supply limit as part of the indicator within the parentheses on the DAYS SUPPLY field using [PSO LM BACKDOOR ORDERS] option.

DC (Discontinue) PR (Partial) RL (Release)
ED Edit RF (Refill) RN (Renew)
Select Action: Next Screen// ED Edit
Select fields by number: (1-19): 9
DAYS SUPPLY: (1- <defined limit>) : <default value>//

RTC Requirement 494693 The system shall display the defined maximum days supply limit as part of the indicator within the parentheses on the DAYS SUPPLY field using the Complete Orders from OERR [PSO LMOE FINISH] option.

RTC Requirement 494694 The system shall display the defined maximum days supply limit as part of the indicator within the parentheses on the DAYS SUPPLY field using the Edit Prescriptions [PSO RXEDIT] option.

RTC Requirement 494696 The system shall allow the user to enter a number from 1 up to the defined limit into the DAYS SUPPLY field in backdoor pharmacy using the Patient Prescription Processing [PSO LM BACKDOOR ORDERS] option.

RTC Requirement 494697 The system shall allow the user to enter a number from 1 up to the defined limit into the DAYS SUPPLY field in backdoor pharmacy using the Complete Orders from OERR [PSO LMOE FINISH] option.

RTC Requirement 494698 The system shall allow the user to enter a number from 1 up to the defined limit into the DAYS SUPPLY field in backdoor pharmacy using the Edit Prescriptions [PSO RXEDIT] option.

RTC Requirement 494699 The system shall display the defined limit as the lesser of the two values from the MAXIMUM DAYS SUPPLY field in the VA PRODUCT file (#50.68) and DRUG file (#50).

RTC Requirement 494700 The system shall display the defined limit as the value from the MAXIMUM DAYS SUPPLY field from either DRUG file (#50) or VA PRODUCT file (#50.68) when only one value is available.

RTC Requirement 494702 The system shall display the defined limit as 90 when the MAXIMUM DAYS SUPPLY field in both the VA PRODUCT file (#50.68) and DRUG file (#50) have not been set.

RTC Requirement 494704 The system shall define the default value as the value set in the PATIENT RX STATUS field, when the field is populated.

RTC Requirement 494707 The system shall allow only one refill for an order when the value in the new field is set to between 121 and 180 inclusive of 180.

RTC Requirement 494709 The system shall allow no more than two refills for the order when the value in the new field is set to between 91 and 120 inclusive of 120.

RTC Requirement 494710 The system shall prohibit any refills for an order when the value in the new field is set to greater than 180.

RTC Requirement 494711 The system shall use the same rules defined for maximum days supply limit on all orders dealing with days supply.

RTC Requirement 496155 The system shall define the default value as 90 when the PATIENT RX STATUS field is not populated.

RTC Requirement 496156 The system shall define the default value as the least of the three values in PATIENT RX STATUS and MAXIMUM DAYS SUPPLY fields in VA PRODUCT (#50.68) and DRUG (#50) files when populated.

The changes made in this safety update will not alter the current functionality for copay processing. However, testing will be performed to ensure that the copay increments are being processed correctly.

RTC Epic 145575: As a Pharmacy Data Management user, I want to be able to set a frequency up to 525600 minutes so that I can set administration schedules up to 365 days.

The following user story elaborates on the requirement to be able to set administration schedules up to 365 days.

RTC User Story 145886: As a Pharmacy Data Management user I want to be able to enter a frequency from 1 to 525600 so that I can set administration schedules up to 365 days.

RTC Requirement 494713 The system shall allow a user to enter a number from 1 to 525600 in the FREQUENCY (IN MINUTES) field using the Medication Instruction File Add/Edit [PSSJU MI] option.

RTC Requirement 494714 The system shall allow a user to enter a number from 1 to 525600 in the FREQUENCY (IN MINUTES) field using the Standard Schedule Edit [PSS SCHEDULE EDIT] option.

The following user story elaborates on the requirement to inactivate administration schedules that are not used so that they are not available in CPRS for selection.

RTC User Story 151288: As a Pharmacy Data Management user, I want to be able to mark an administration schedule as inactive in a new field so that those that are no longer used will not be available in CPRS for selection.

RTC Requirement 494716 The system shall provide the user with a new field called INACTIVE in the ADMINISTRATION SCHEDULE file (#51.1) to indicate that an administration schedule is inactive.

RTC Requirement 494718 The system shall allow the user to indicate whether an administration schedule is active or inactive using the [PSS SCHEDULE EDIT] option.

RTC Requirement 494719 The system shall display the new INACTIVE field value in the Administration Schedule File Report [PSS SCHEDULE REPORT] option.

2.6.3. Truncated Days Supply for Items having a 2 letter status, Marked for CMOP and a Bad Address Indicator

Remedy Ticket 387051 – On the Outpatient profile in Patient Prescription Processing that if a prescription has a 2 character status, and it's a CMOP Drug, and there is a Bad Address Indicator, the Status section of the display takes up 4 characters (In this case below for the THIORIDAZINE DC>B), and that is one character too long, throwing the rest of the line off by one, and truncating the second character of the Days Supply.

This item is not part of the PWS for Pharmacy Safety Updates but it was determined that this may impact the display of the Days Supply greater than 90 days if there is a 2 letter status on a drug, as well Marked for CMOP and a Bad Address Indicator. The following user story represents the work that will be done for this item

RTC User Story 158343: As a Pharmacy backdoor application user I want the field values for the display of a 2-letter status item with a Marked for CMOP and a Bad Address Indicator to line up correctly under the header items so that the veteran will receive the correct Days Supply.

RTC Requirement 496409: The system shall display only the drug status and marked for CMOP indicator on the first line of the Drug information display when there is also a Bad Address Indicator for the 2-letter status Drug .

RTC Requirement 496410: The system shall display ****Bad Address**** on a second line for a 2-letter status Item that has a Marked for CMOP and a Bad Address Indicator.

Medication Profile			Feb 22, 2015@17: 01: 28			Page: 1 of 1		
OUTPATNM, CATHLEEN						<A>		
PID: 666- 00- 0702			Ht (cm): _____			(_____)		
DOB: FEB 1, 1955 (60)			Wt (kg): _____			(_____)		
SEX: FEMALE								
CrCL: <Not Found>			BSA (m2): _____					
#	RX #	DRUG	QTY	ST	ISSUE DATE	LAST FILL	REF REM	DAY SUP
----- DISCONTINUED -----								
1	100005604S	TOBRAMYCIN 80MG/2ML INJ	100	E>B	01-21	01-21	0	90
1	100005604S	TOBRAMYCIN 80MG/2ML INJ XXX XXX XXX	DC>		01-21	01-21	0	365
		Qty: 100	**Bad Address**					
1	100005604S	TOBRAMYCIN 80MG/2ML INJ	100	A>B	01-21	01-21	0	90
1	100005604S	TOBRAMYCIN 80MG/2ML INJ	100	DC>	01-21	01-21	0	90
			Bad Address					

2.7. Graphical User Interface (GUI) Specifications

The software product will conform to the existing VistA conventions. Report formats and option process steps, such as “roll & scroll”, will be fielded and tested for usability by test site personnel, as well as user representatives and subject matter experts. Multi-divisional Specifications

2.8. Multi-divisional Specifications

Not Applicable

2.9. Performance Specifications

The performance specifications for these updates will conform to those standards currently in place for the current VistA application for Inpatient and Outpatient Pharmacy.

2.10. Quality Attributes Specification

Not Applicable

2.11. Reliability Specifications

This section will be completed as part of the Concept of Operations submission

2.12. Scope of Integration

Not Applicable

2.13. Security Specifications

The security specifications for these updates will conform to those standards currently in place for the current VistA application for Inpatient and Outpatient Pharmacy. System Features

2.14. System Features

The system features are not considered new features, but enhancements to the current VistA application for Inpatient and Outpatient Pharmacy.

2.15. Usability Specifications

This section will be completed as part of the Concept of Operations submission

3. Applicable Standards

The standards to be adhered to for Pharmacy Safety Updates are those identified for all VistA development projects and patches and are governed by OI&T.

4. Interfaces

4.1. Communications Interfaces

No special communications interfaces are required for these enhancements.

4.2. Hardware Interfaces

This product shall run on standard hardware platforms that VHA facilities use. These systems consist of standard or upgraded Alpha AXP clusters and operate Open M products.

These enhancements are compatible with existing hardware. No hardware issues are involved with these enhancements.

4.3. Software Interfaces

No special software interfaces are required for these enhancements.

4.4. User Interfaces

The software product will conform to the existing VistA conventions. Report formats and option process steps, such as “roll & scroll,” will be fielded and tested for usability by test site personnel, as well as user representatives and subject matter experts.

5. Legal, Copyright, and Other Notices

Not applicable

6. Purchased Components

Not applicable

6.1. Defect Source (TOP 5)

Not applicable

7. User Class Characteristics

The intended users of the enhancements or PSI fixes are pharmacists and pharmacy technicians. The goal of this enhancement supports improved business process, patient care, and resource utilization, as well as reduces spending and/or increases revenue generation.

8. Estimation

The Estimations are currently being generated to fit the functionality of these 2 VistA updates. Data will be entered as it becomes available.

9. Project Software Functional Size and Size-Based Effort and Duration Estimate

Note: The FPC will be updated in this document once the estimate is returned from the estimation team. Please refer to the internal SharePoint site for the full report generated from the Function Point Estimation team.

[\[Redacted URL\]](#)

Application

Item	PDM	Inpatient Meds				Total
Counted Function Points						
Estimated Scope Growth						
Estimated Size at Release						

Size-Based Effort Estimates	Labor Hours	Probability
Low-Effort Estimate – With indicated probability, project will consume no more than:		
High-Effort Estimate – With indicated probability, project will consume no more than:		

Size-Based Duration Estimates	Work Days	Probability
Low-Duration Estimate – With indicated probability, project will consume no more than:		
High-Duration Estimate -- With indicated probability, project will consume no more than:		

Figure 1: Cumulative Probability (“S-curve”) Chart



10. Approval Signatures

REVIEW DATE:

SCRIBE:

Signed: _____

Business Sponsor

Date



Associate Chief Consultant,
Pharmacy Re-engineering and Clinical Informatics
Pharmacy Benefits Management

Signed: _____

Project Manager

Date



Project Manager / IPT Chair
Product Development

A. Definitions, Acronyms, and Abbreviations

Term	Definition
CPRS	Computerized Patient Record System
DIN	A hidden action that displays the Drug Restriction/Guideline Info
FY	Fiscal Year
HIS	Health Systems Informatics
NSR	New Service Request
PSI	Patient Safety Issue
PSJ	Inpatient Medications Namespace
PSPO	Label for a reported patient safety issue in the Informatics Patient Safety (IPS) database.
PSS	Pharmacy Data Management Namespace
RDM	Requirements Development and Management
RSD	Requirements Specification Document
TSPR	Technical Services Project Repository
VHA	Veterans Health Administration
VistA	Veterans Health Information Systems and Technology Architecture

Term	Definition
Strength	Strength identifies the numeric amount of medication that is provided by one unit-of-use for the identified product.

B. Business Process Flow Diagram

N/A