

**NCPDP Continuous Maintenance Standards  
Requirements Specification Document**



**Department of Veterans Affairs**

**June 2014  
Version 1.0**

## Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Requirements Specification Document has been baselined.

Date	Version	Description	Author
6/6/14	1.1	Revisions from CBO review	
5/19/2014	1.0	Initial Version	

## Artifact Rationale

The Requirements Specification Document (RSD) records the results of the specification gathering processes carried out during the Requirements phase. The RSD is generally written by the functional analyst(s) and should provide the bulk of the information used to create the test plan and test scripts. It should be updated for each increment.

The level of detail contained in this RSD should be consistent with the size and scope of the project. It is not necessary to fill out any sections of this document that do not apply to the project. The resources necessary to create and maintain this document during the life cycle of a large project should be acknowledged and clearly reflected in project schedules. Do not duplicate data that is already defined in another document or a section in this document; note in the section where the information can be found.

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# 1. Introduction

The Chief Business Office (CBO) has requested enhancements to the Veterans Health Administration's (VHA) Veterans Health Integrated Systems Technology Architecture (VistA) ePharmacy module to maintain compliance with legislative and federal mandates and to address gaps and inefficiencies in the current electronic pharmacy process.

## 1.1 Purpose

The purpose of this Requirements Specification Document (RSD) is to outline the specific requirements for the ePharmacy National Council for Prescription Drug Programs (NCPDP) Continuous Maintenance project and comply with Health Insurance Portability and Accountability Act (HIPAA) and industry standards.

The target audience for this requirements specification document (RSD) includes the Office of Product Development (OPD), Product Support, Software Quality Assurance, the CBO, Financial Services Center (FSC) technical support staff, and the end users.

## 1.2 Scope

This document presents the functional requirements for the ePharmacy NCPDP Continuous Maintenance Enhancement. Harris Corporation derived these requirements from the business needs referenced in the following table as well as requirements elaboration meetings with the customer. The table also represents the scope of the requirements addressed in this release. Future iterations will address additional business needs identified in the Business Requirements Document.

Goal/Objective and Desired Outcome	Impact	Measurement
Modify the text in the CMOP Not Transmitted Bulletins	Improves the accuracy of the return message for CMOP rejected prescriptions.	Reduce the amount of pharmacist time spent on troubleshooting incorrect transaction issues.

## 2 Overall Description

### 2.1 Accessibility Specifications

The enhancements described in this document do not contain any specification for functionality that is affected by 508 Compliance.

### 2.2 Business Rules Specification

Refer to the section on Functional Specifications for business rules.

## 2.3 Design Constraints Specification

The enhanced ePharmacy system should be compliant with the regulations mandated in the HIPAA National Council for Prescription Drug Programs (NCPDP) standard.

## 2.4 Disaster Recovery Specification

There are no disaster recovery requirements specific to this development effort. The affected modules are integrated parts of the overall VistA system that are already covered by disaster-recovery plans, which are not affected by the enhancements described in this RSD.

## 2.5 Documentation Specifications

Existing user manuals will be updated as necessary to reflect the enhancements described in this document. The following manuals will be evaluated for potential changes:

1. User Manual – Manager – Outpatient Pharmacy V.7.0
2. User Manual – Pharmacist – Outpatient Pharmacy V.7.0
3. User Manual – Technician – Outpatient Pharmacy V.7.0
4. Technical Manual/Security Guide – Outpatient Pharmacy V.7.0
5. Integrated Billing (IB) V.2.0 User Manual
6. IB Technical Manual/Security Guide
7. ECME User Manual
8. ECME Technical Manual/Security Guide

## 2.6 Functional Specifications for Outpatient Pharmacy and CMOP

### 2.6.1 System Feature: NCPDP Transaction Email Bulletins

#### 2.6.1.1 Requirement: Update ePharmacy - CMOP Not Transmitted Rx List Bulletin

The ePharmacy - CMOP Not Transmitted Rx List email bulletins shall be modified to verify the body text accurately reflects the reason:

*“The prescriptions listed in this message did not transmit to CMOP for one of the reasons below:*

- 1. A response from the third party payer was not received*

*OR*

## 2. The prescriptions are non-billable in VistA

*The prescriptions will remain in the CMOP queue and will transmit when the response from the third party payer is received, or the non-billable issue is resolved. Examples of non-billable issues are prescriptions for sensitive medications that need Release of Information and prescriptions for non-billable drugs (e.g. OTC products for CHAMPVA and TRICARE patients.)”*

The text above replaces the previous wording that states:

*“The prescriptions listed below are third party electronically billable. They have not been submitted to CMOP because they have been submitted to third party payer but we have not received a response regarding these prescriptions yet...”*

## 2.7 Graphical User Interface (GUI) Specifications

The enhancements described in this document do not contain any specification for functionality that uses a GUI front end.

## 2.8 Multi-divisional Specifications

The enhancements described in this document will preserve the multi-divisional functionality that currently exists.

## 2.9 Performance Specifications

There are no performance requirements specific to this development effort. The Outpatient Pharmacy is an integrated part of the overall VistA system that exists at each site and will be subject to the normal performance standards.

## 2.10 Quality Attributes Specification

The project team will adhere to the standards set forth in The Department of Veterans Affairs M Programming Standards and Conventions.



## 2.11 Reliability Specifications

The enhancements described in this document should have negligible effect on reliability.

## 2.12 Scope Integration

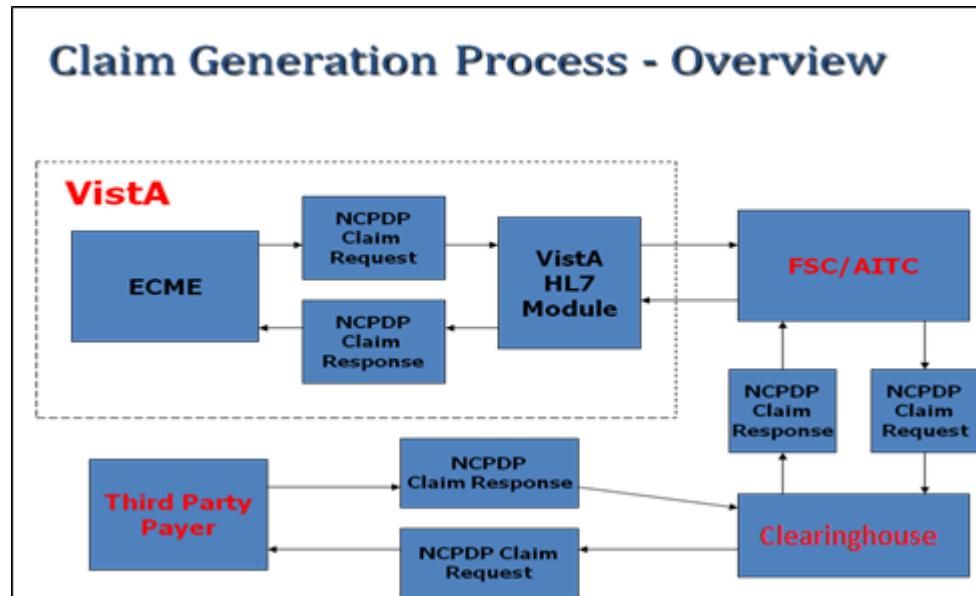


Figure 1 - Claim Generation Process - Overview

## 2.13 Security Specifications

The project team will adhere to all applicable VA and VHA security requirements.

## 2.14 System Features

Refer to the section on Functional Specifications for system feature information.

## 2.15 Usability Specifications

The enhancements described in this document should have minimal effect on usability, such as the time required for a normal user to learn the system and become productive. Training will be required for both normal and super-users to become productive with the enhancements in these patches; however the training required should not fall outside of the normal training required for an enhancement of this size.

### **3 Applicable Standards**

The following standards are listed in the section of References, which contains additional information for each:

- HIPAA (Health Insurance Portability and Accountability Act of 1996)
- PPACA (Patient Protection and Affordable Care Act)--"Health Care Reform" House of Representatives (H.R.) 3590, Section 1104--Administrative Simplification, Section 10109--Development of Standards for Financial and Administrative Transactions
- The Department of Veterans Affairs M Programming Standards and Conventions

## **4 Interfaces**

It will not be necessary to develop new interfaces to satisfy the enhancements described in this document.

### **4.1 Communications Interfaces**

Existing communication interfaces will not be affected by the enhancements described in this document.

### **4.2 Hardware Interfaces**

Existing hardware interfaces will not be affected by the enhancements described in this document.

### **4.3 Software Interfaces**

Existing software interfaces will not be affected by the enhancements described in this document. Refer to the section of Scope of Integration for identification of software interfaces.

### **4.4 User Interfaces**

Existing user interfaces will not be affected by the enhancements described in this document.

## **5 Legal, Copyright, and Other Notices**

This section is not applicable. The enhancements described in this document do not require notices such as legal disclaimers and copyright notices.

## **6 Purchased Components**

The enhancements described in this document do not require purchased components.

## 7 User Class Characteristics

Name	Description	Responsibilities
Primary Users	Pharmacists Pharmacy Automated Data Processing Application Coordinators (ADPAC) Outpatient Pharmacy Electronic Claims Coordinator (OPECC)	Perform pharmacy eligibility inquiries Submit pharmacy claim transactions and resolve rejects
	FSC Clearinghouses	Act as a transmission intermediary between VAMCs and the Clearinghouses Provide technical support at the clearinghouse to format electronic transactions into NCPDP standards using Electronic Claims Management Engine (ECME) Act as a transmission intermediary between ECME and third party payers Transmit NCPDP formatted transactions to third party payer systems
Secondary Users	Chief Financial Officer (CFO) Chief of Pharmacy Services PBMs Veterans Integrated Service Network (VISN) Business Implementation Managers (BIM) CBO	Define, communicate and enforce new business procedures Encourage staff adoption of new technologies Manage resources and finances
	Medical Care Cost Fund (MCCF) Coordinators Insurance Billing Accounts Receivable (AR) staff	Receive, confirm, and follow up on pharmacy remittances.
	Information Resource Managers (IRM)	Resolve issues and support end user community.
	Veterans	Receive timely first party statements on recently dispensed prescriptions.

## 8 Estimation

The following placeholders for the Function Point Analysis Results Table will be replaced with actual functional point analysis data when that data becomes available.

# Project Software Functional Size and Size-Based Effort and Duration Estimate

## Application

Item	A	B	C	D	E	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 2: Cumulative Probability (“S-curve”) Chart**

*[Insert Cumulative Probability (“S-curve”) Charts here]*

## 9. Approval Signatures

REVIEW DATE: *<date>*

SCRIBE: *<name>*

Signed:

---

Integrated Project Team (IPT) Chair

Date

---

Business Sponsor

Date

---

IT Program Manager

Date

---

Project Manager

Date

## Appendix A Use Case Specification

Use Cases will NOT be created for this project.

## Appendix B Acronym List and Glossary

### Glossary

Term	Definition
ADPAC	Pharmacy Automated Data Processing Application Coordinators
AR	Accounts Receivable
BIM	Business Implementation Managers
CBO	Chief Business Office of the VHA
CFO	Chief Financial Officer
CHAMPVA	Civilian Health and Medical Program of the Department of Veterans Affairs
CMOP	Consolidated Mail Outpatient Pharmacy
DoD	Department of Defense
ECL	External Code List
ECME	Electronic Claims Management Engine
GUI	Graphical User Interface
HAC	Health Administration Center
HIPAA	Healthcare Insurance Portability and Accountability Act of 1996
IPT	Integrated Project Team
IRM	Information Resource Managers
MCCF	Medical Care Cost Fund
NCPDP	National Council for Prescription Drug Programs
OED	Office of Enterprise Development
OPECC	Outpatient Pharmacy Electronic Claims Coordinator
PBM	Pharmacy Benefit Manager
RSD	Requirements Specification Document
TSPR	Technical Services Project Repository
VAMC	VA Medical Center
VDL	VistA Documentation Library
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network
VistA	Veterans Health Information Systems and Technology Architecture