

**Health Administrative Product Enhancements (HAPE)
Electronic Data Interchange (EDI)
Purchased Care (PC)
Software Enhancements**

System Design Document (SDD)
for
Electronic Remittance Advice (ERA) 835 Compliance



Department of Veterans Affairs

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Revision History

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1 Introduction

The mission of the Department of Veterans Affairs (VA), Office of Information and Technology (OI&T), HAPE is to provide information technology (IT) products and services to the Veterans Health Administration (VHA) who in turn provides benefits and services to Veterans of the United States. In meeting these goals, OI&T strives to provide high quality, effective, and efficient IT services to those responsible for providing care to the Veterans at the point-of-care as well as throughout all the points of the Veterans' health care in an effective, timely and compassionate manner. VA depends on information management/information technology (IM/IT) systems to meet mission goals.

The Chief Business Office (CBO) PC assesses the impact of healthcare regulatory requirements on VHA EDI revenue operations and designs the use cases to illustrate the reengineered business process flows associated with technology changes. The office continuously monitors and participates in meetings of industry EDI standards-setting organizations. As the business process owner and subject matter expert (SME) for industry health care EDI mandates, Purchased Care defines business needs that necessitate revenue system software development. The office designs the maintenance and iterative updates to the EDI enterprise tool used to pay healthcare providers for service connected care provided to Veterans. Purchased Care develops partnerships with other Federal agencies and trading partners to support EDI processing and verify compliance; they test software, train users on the use of revised software, and provide help desk support for end users. The EDI transactions processes are utilized to pay nearly \$6B in projected claims annually. The development work done under the scope of Purchased Care is inextricably linked to providing Veterans the medical care they have earned and deserve.

The HAPE EDI portfolio delivers IT products and services to CBO. This PC enhancement project is intended to deliver a range of updates, extensions, and modifications to various financial and administrative systems, processes, files, and reporting mechanisms, including:

- **PC System Enhancements:** Harris will modify vendor data storage and claims processing functionality so payments to small businesses are made in a timely manner per the Prompt Payment Act. Harris will develop reports to verify compliance and data integrity.
- **Health Administration Center (HAC) EDI Claims System Enhancements:** Harris will provide EDI functionality related to referral requests and authorizations in preparation for rules effective January 2016.
- **Electronic Remittance Advice (ERA) (835) Compliance:** To comply with CORE Level III Electronic Funds Transfer (EFT) standards, Harris will modify vendor file and vendor maintenance functionality, Veterans Health Information Systems and Technology Architecture (VistA) Fee, and Claims Processing and Eligibility (CP&E) for beneficiary-related transactions.
- **Health Plan Identifier (HPID) Compliance:** To comply with rules effective Fall 2016, Harris will modify claim transaction functionality related to incoming HPID validation and generation of outgoing EDI transactions to populate the VA HPID.
- **Claims Attachments Compliance:** Harris will create systems to manage the receipt, processing, and storage of claims attachments in preparation for rules effective January 2016.
- **Healthcare Claims 837 Compliance:** Harris will review and modify the 837 transaction flow within VA systems.
- **Caregiver Stipend Payments System (optional task):** Harris will create a rules-based system to calculate stipend payments for caregivers, and create an interface to VA's vendor database and maintenance process, CBOPC Veterans files, and Financial Management System (FMS) payment system.

1.1 Purpose of the SDD

This System Design Document (SDD) translates the requirements listed in the corresponding Requirements Specification Document (RSD) into technical design specifications. It identifies the system architecture and describes hardware, software, communication, and interface components for the Electronic Remittance Advice (ERA) (835) Compliance project to flag vendors so that the creation of paper Explanation of Benefits (EOBs) can be stopped in the future.

The intended audience of this document includes the Product Development (PD), Software Quality Assurance (SQA), the CBO, and staff at the Office of Information & Technology (OI&T) at the Health Administration Center (HAC).

This SDD for the Electronic Remittance Advice Project details the needed system functionality to comply with CORE Level III Electronic Funds Transfer (EFT) standards. Harris will enable users to indicate whether a vendor will, in the future, continue to receive paper EOBs in the Claims Processing and Eligibility (CP&E) for beneficiary-related transactions.

1.2 Identification

Harris Corporation's Configuration Management (CM) processes provide the release and control of the system, hardware, and software to which this document applies, including identification number(s), title(s), abbreviation(s), version number(s), and release number(s). Listed below are VA reference and guidance documentation and standards applicable to or tailored for the EDI PC Project. EDI PC will use this guidance to fulfill the performance requirements of this contract.

- 44 U.S.C. § 3541, "Federal Information Security Management Act (FISMA) of 2002"
- Federal Information Processing Standards (FIPS) Publication 140-2, "Security Requirements For Cryptographic Modules"
- Software Engineering Institute, Software Acquisition-Capability Maturity Modeling (SA-CMM) Level 3 procedures and processes
- VA Directive 6102, "Internet/Intranet Services," July 15, 2008
- 36 C.F.R. Part 1194 "Electronic and IT Accessibility Standards," July 1, 2003
- OMB Circular A-130, "Management of Federal Information Resources," November 28, 2000
- 32 C.F.R. Part 199, "Civilian Health and Medical Program of the Uniformed Services (CHAMPUS)"
- An Introductory Resource Guide for Implementing the Health Insurance Portability and Accountability Act (HIPAA) Security Rule, March 2005
- Sections 504 and 508 of the Rehabilitation Act (29 U.S.C. § 794d), as amended by the Workforce Investment Act of 1998 (P.L. 105-220), August 7, 1998
- Homeland Security Presidential Directive (12) (HSPD-12)
- VA Directive 6500, "Information Security Program," August 4, 2006
- VA Handbook 6500, "Information Security Program," September 18, 2007
- VA Handbook, 6500.5, Incorporating Security and Privacy in System Development Lifecycle.
- VA Handbook 6500.6, "Contract Security," March 12, 2010
- Program Management Accountability System (PMAS) portal (reference PWS References - Technical Library at [REDACTED])

- OED ProPath Process Methodology (reference PWS References -Technical Library and ProPath Library links at [REDACTED]). Note: In the event of a conflict, OED ProPath takes precedence over other processes or methodologies.
- Technical Reference Model (TRM) (reference at [REDACTED])
- National Institute Standards and Technology (NIST) Special Publications SP 800-60 and 800-53
- IT Asset Management (ITAM) and Enterprise Management Foundation (EMF) BR-0006, version 002.1-14052008, dated 10/30/2007
- Health Insurance Portability and Accountability Act of 1996 (HIPAA; Pub.L 104-191.
- Patient Protection and Affordable Care Act (PPACA), Pub. L. 111-148, 124 Stat. 119, H.R. 3590, enacted March 23, 2010
- Prompt Payment Act
- The aim of this project is to ensure that the EDI PC systems are compliant with the CORE Rules as published by CAQH, and found here http://www.caqh.org/CORE_operat_rules.php

1.3 Scope

The objective of Electronic Remittance Advice (ERA) (835) Compliance is to address changes required for the CORE Level III (EFT) Rules. For example, Electronic Remittance Advice (ERA) (835) transactions are to be enhanced with standardized code sets and re-association data while paper Explanation of Benefits (EOB) production is to be curtailed vendor-by-vendor. This mandate became effective in January of 2014.

This document addresses the software design that will satisfy the technical requirements in the EDI PC Requirements Specification Document (RSD), which the EDI PC project team developed from the Business Requirements Document (BRD) for Electronic Remittance Advice (ERA) (835) Compliance.

This document is organized as follows:

- Section 1: Presents introduction, scope, definition and acronyms, and references
- Section 2: Presents a conceptual design and analysis of the External Interfaces
- Section 3: Documents the specific technical and design requirements for each software element relevant to each EDI PC project
- Section 4: Presents details regarding the system architecture.
- Section 5: Presents details regarding data design, including database management system (DBMS) and data view.
- Section 6: Section 6: Discusses the system's detailed hardware and software design as applicable.
- Section 7: Presents details of the external interface design to the system.
- Section 8: Presents details of the interface between the user and the Purchased Care system.
- Section 9: Presents details of system security mechanisms and privacy design considerations at the application level.
- Section 10: Documents the approval of this SDD by VA OI&T personnel.

Table 1 lists the scope inclusions for the Electronic Remittance Advice (ERA) (835) project.

Table 1 – Scope Inclusions

Includes
BN2: Health Care Claims Payment /Advice <ul style="list-style-type: none">2.2 The system shall provide the ability to stop the creation of a paper Explanation of Benefits (EOB) for EDI submissions.

1.4 Constraining Policies, Directives, and Procedures

This SDD is constrained by the following policies, directives, artifacts, and procedures.

Policies and Directives

- Contract, PWS
- PMAS Guide v4.0, (VAIQ 7023849) Assistant Secretary for Information and Technology (005) Release Memorandum, dated September 17, 2010
- HAPE Program Office Procedures, Policies, Templates
- SEDR Process
- One-VA TRM – Data, Service, Technical (FSAM)
- PMAS Project Documentation Portal
- C&A Division Webpage
- ASC X12N 5010 Health Care Claim Payment/Advice (835)
- ASC X12N 5010 Health Care Claim Status Request and Response (276/277)

VA-generated Artifacts

- Business Requirements Document for EDI PC
- Project Charter

VA Standard Procedures

- ProPath Version 8, PRP-2.3, Create System Design Document
- PMAS Readiness Checklist
- VA Section 508 policies and procedures 6221 Accessible Electronic and Information Technology, Directive/Handbook, published by the VA's Section 508 Product Development Product Assessment Competency Division
- 508 compliance testing certifications for each enhancement that requires any change to the graphic user interface.

1.5 User Characteristics

Intended user base is business users who receive and process written requests from vendors who no longer wish to receive paper EOBs.

1.5.1 User Objectives

The users would like to identify to the system which vendors no longer wish to receive paper EOBs.

1.6 Relationship to Other Documents and Plans

The SDD for the Electronic Remittance Advice (ERA) (835) Compliance project is developed in conjunction with other EDI PC documents, as shown in Table 2.

Table 2 – EDI PC Documentation

Document Type	Description
Performance Work Statement (PWS)	Defines work activities, deliverables, and the timeline for the performance of the contracted work, including the SDD development and delivery.
RSD	System design is derived from this document, which details the requirements.
Requirements Traceability Matrix (RTM)	Continuously confirms and validates requirements by providing backward traceability. Also maps individual test cases to each design element and requirement, demonstrating forward traceability.
Project Management Plan (PMP)	Describes the approach for managing and monitoring project implementation.
Project Schedule	Details the planned schedule tasks, milestones, and dates necessary to accomplish on-time contractual deliveries.
Test Plan	Provides the testing approach, including specification of the testing scope and objectives, and testing strategy and conduct.
Deployment Plan	Describes the transition and training strategy for deployment.
Certification and Accreditation (C&A) documentation	A set of documents that confirm and certify that the delivered products meet VA requirements. This effort may be coordinated by either the VA or Harris.
Quality Assurance Surveillance Plan (QASP)	VA-generated document that describes processes that promote periodic inspections of documents, processes, and the end product.
Configuration Management Plan	Provides the defined CM and change control policies and guidelines that are applied throughout the project life cycle to validate the integrity of systems and components that are placed under its control. Addresses configuration identification, change processes, configuration auditing, and status accounting information.

1.7 Definitions, Acronyms, and Abbreviations

The table below lists acronyms and abbreviations applicable to the Electronic Remittance Advice (ERA) (835) project.

Table 3 – Acronyms and Abbreviations

TERM	DEFINITION
AERB	Architecture and Engineering Review Board
CBO	Chief Business Office
CHAMPVA	Civilian Health and Medical Program of the Department of Veterans Affairs
CI	Component Integration
CIO	Chief Information Officer
CIT	Component Integration Testing
CM	Configuration Management
CMM	Capability Maturity Model
CMP	Configuration Management Plan
COR	Contractor Officer's Representative
DM	Data Management

TERM	DEFINITION
EDI	Electronic Data Interchange
ERD	Entity Relationship Diagram
FAR	Foreign Acquisition Regulations
GFE	Government Furnished Equipment
HAC	Health Administration Center
HAPE	Health Administration Production Enhancements
HIPAA	Health Insurance Portability and Accountability Act
HPID	Health Plan Identifier
IEEE	Institute of Electrical and Electronics Engineers
IM	Information Management
IPT	Integrated Project Team
IT	Information Technology
OI&T	Office of Information and Technology
PC	Purchased Care
PD	Product Development
PjM	Project Manager
PM	Program Manager
PMAS	Project Management Accountability System
POC	Point of Contact
PoP	Period of Performance
PPACA	Patient Protection and Affordable Care Act
PWS	Performance Work Statement
QASP	Quality Assurance Surveillance Plan
RSD	Requirements Specification Document
RTM	Requirements Traceability Matrix
SDD	System Design Document
SDE	Service Delivery and Engineering
SDLC	Software Development Life Cycle
SEI	Software Engineering Institute
SME	Subject Matter Expert
SQA	Software Quality Assurance
ST	System Testing
T4	Transformation Twenty-One Total Technology
TO	Task Order
TRR	Test Readiness Review
UFT	User Functionality Testing
VA	Department of Veterans Affairs
VAMC	VA Medical Center
VHA	Veterans Health Administration
VistA	Veterans Health Information Systems and Technology Architecture
VPN	Virtual Private Network

1.8 Definitions

The table below lists terms and definitions and terms applicable to the Electronic Remittance Advice (ERA) (835) project.

Table 4 – Definitions and Terms

TERM	DEFINITION
276/277 Health Care Claim Status Request and Response	A transaction set for health care claims, used to inquire about and receive information about the processing status of a claim
835 Health Care Claim Payment/Remittance	A transaction set for health care claim payment advice (or remittance advice) - referred to as a Remittance advice
837 Health Care Claim Payment/Advice	This transaction set is sent by the providers to payers, which include insurance companies, health maintenance organizations (HMOs), preferred provider organizations (PPOs), or government agencies such as Medicare, Medicaid, etc. These transactions may be sent either directly or indirectly via clearinghouses.
ASC X12	The Accredited Standards Committee X12 – is an ANSI-accredited standards development organization and the entity responsible for the HIPAA transaction standards for electronic health care, eligibility, claims processing, claims status, authorizations and remittance transactions named by the Health Insurance Accountability and Portability Act of 1996. The VA is currently operating to version 5010 standards.
CHAMPVA	Comprehensive health care program administered by CBOPC that shares the cost of covered healthcare services and supplies with eligible beneficiaries.
CORE®	The Committee on Operating Rules for Information Exchange (CORE®), is a multi-stakeholder initiative created, organized and facilitated by CAQH that is working to make it easier for physicians and hospitals to access eligibility, benefits and claim information for their patients at the point of care
HIPAA v. 5010	HIPAA version 5010 is the newest set of standards related to the electronic transmission of specific health care transactions such as Health Care Claims, Eligibility Inquiry/Response, and Health Care Claim Remittance Advice.
Payer	An insurance company, fiscal intermediary, government agency, other agency, or individual responsible for the payment of health care claims

1.9 References

- Business Requirement Document (BRD) - Electronic Remittance Advice (ERA) (835) Compliance ver 0.0.2.2, 5/21/2014
- Requirements Specifications Document (RSD)
- T4 Performance Work Statement (PWS) for HAPE EDI PC

2 Background

The Electronic Remittance Advice (ERA) Compliance project details the needed system functionality to comply with CORE Level III Electronic Funds Transfer (EFT) standards. Harris will enable users to indicate whether a vendor, in the future, receives paper EOBs in the CP&E for beneficiary-related transactions.

2.1 Overview of the System

CP&E System is an adjudication data/system for the Civilian Health and Medical Program of the Department of Veterans Affairs (CHAMPVA) program and other ancillary programs run by CPOPC. It is being modified to add functionality in order to create the infrastructure for stopping the creation of paper Explanation of Benefits (EOB) for EDI submissions in the future.

2.2 Overview of the Business Process

Phase III CORE 350 Health Care Claim Payment/Advice (835) Infrastructure Rule is focused on the reduction or elimination of paper forms in favor of EDI transactions. One aspect of Rule 350 is the transition away from payers providing paper EOBs to providers. One part of that process is the setting of a flag in the vendor file that can be used later to prevent the production of paper EOBs for those providers who have opted out of receiving them.

2.3 Business Benefits

The infrastructure development envisioned by this SDD moves the VA one step closer to complete compliance with CORE rule 350.

2.4 Assumptions and Constraints

2.4.1 Design Assumptions

An “on-off” switch embedded in the CP&E vendor file can be used in the future to control the production of paper EOBs for providers.

All vendor instances that share a common Tax Identification Number (TIN) will have the same EOB status.

2.4.2 Design Constraints

The Electronic Remittance Advice (ERA) (835) project has the following constraints:

- The solution will need to meet VA Enterprise Standards for development language, security, 508 compliance, web framework, application framework, and integration with other VA systems.
- Timely acquisition of all new or allocated hardware resources approved by the Government for project development.

2.4.3 Design Trade-offs

The Electronic Remittance Advice (ERA) (835) Compliance project is designed around existing VA systems.

2.5 Overview of the Significant Requirements

2.5.1 Overview of Significant Functional Requirements

The CP&E system shall support an infrastructure for users in the future to turn off paper EOBs for all vendor file entries that share a common TIN.

2.5.2 Overview of Functional Workload / Performance Requirements

2.5.3 Operational Requirements

There are no changes to existing operational requirements.

2.5.4 Overview of the Technical Requirements

The process to be developed pursuant to this SDD will update the paper EOB flag in the vendor file for one or more vendor instances based on commonality of TIN.

2.5.5 Overview of the Security or Privacy Requirements

There are no changes to existing security or privacy requirements.

2.5.6 Overview of System Criticality and High Availability Requirements

There are no changes to existing system criticality or high availability requirements.

2.5.7 Single Sign-on Requirement

There are no changes to the existing single sign-on requirements.

2.5.8 Requirement for Use of Enterprise Portals

There are no changes to the requirements for use of enterprise portals.

2.5.9 Special Device Requirements

No special devices are required.

2.6 Legacy System Retirement

There no legacy system retirements planned for this set of changes.

3 Conceptual Design

Harris will write a utility that takes the TIN as input, looks up and lists all vendor entries that share that TIN and then sets on/off the paper EOB flag field (#5.02) in the CHAMPVA VENDOR file (#741001).

3.1 Conceptual Application Design

Refer to section 3.

3.1.1 Application Context

Refer to section 3.

3.1.2 High Level Application Design

Refer to section 3.

3.1.3 Application Locations

CP&E is located at the HAC.

3.2 Conceptual Data Design

3.2.1 Project Conceptual Data Model

Refer to section 3.

3.2.2 Database Information

N/A

3.2.3 User Interface Data Mapping

N/A

3.2.3.1 Application Screen Interface

N/A

3.2.3.2 Application Report Interface

N/A

3.2.3.3 Unmapped Data Element

N/A

3.3 Conceptual Infrastructure Design

Harris is modifying an existing application and any enhancements will not change the conceptual infrastructure design.

3.3.1 System Criticality and High Availability

Harris will modify the existing systems. There is no effect on system criticality.

3.3.2 Special Technology

Harris will modify the existing systems. There is no effect on special technology.

3.3.3 Technology Locations

CP&E is located at the HAC.

3.3.4 Conceptual Infrastructure Diagram

3.3.4.1 Location of Environments and External Interfaces

There is no environment change. The CP&E continues to be located at the Denver HAC.

3.3.4.2 Conceptual Production String Diagram

There is no change from existing Production String.

4 System Architecture

CP&E is hosted on the HAC's Virtual Environment running under OpenVMS and InterSystems' Cache 2011. Hardware and software are standard VA configuration using currently approved versions.

4.1 Hardware Architecture

No change to the architecture described above is required by the software change described in this SDD.

4.2 Software Architecture

No change to the architecture described above is required by the software change described in this SDD.

4.3 Network Architecture

No change to the architecture described above is required by the software change described in this SDD.

4.4 Service Oriented Architecture / ESS

There is no change to existing Service Oriented Architecture.

4.5 Enterprise Architecture

There is no change to existing Enterprise Architecture.

5 Data Design

There is no change from existing data design.

5.1 DBMS Files

N/A

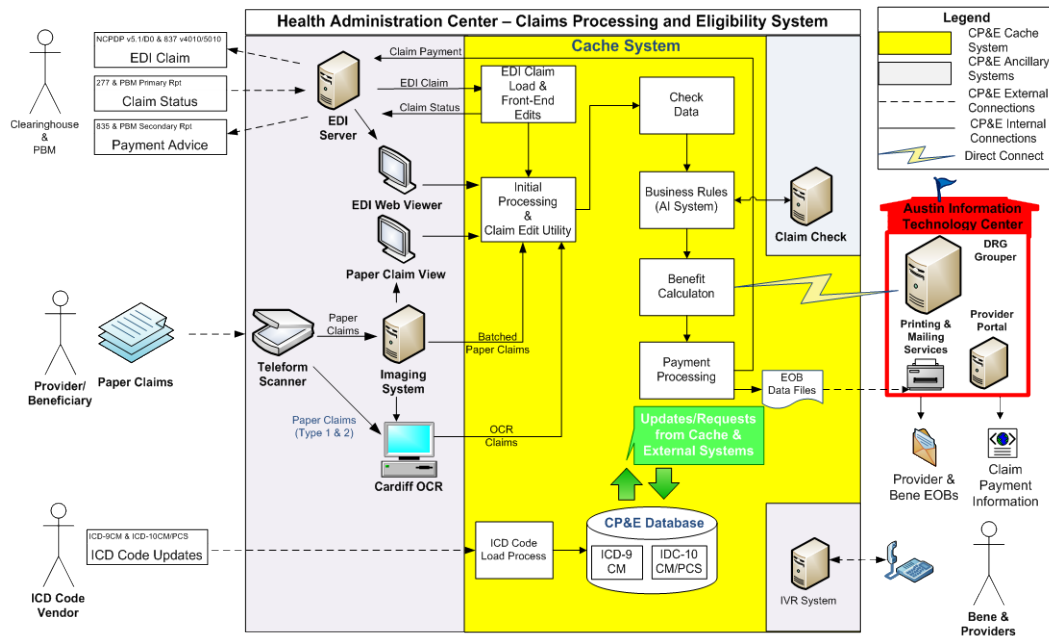
5.2 Non-DBMS Files

N/A

5.3 Data View

N/A

6 Detailed Design



There is one change to be made to internal processing within the Cache portion of the CP&E system shown above. This change is the creation of a menu option – “Set EOB Print Flag for a Vendor” – and the MUMPS code to implement the function. The code will ask the user for a TIN and will validate it for format before accessing the Vendor file. The program will find all vendor file instances that share the TIN and will display them to the user. The code will then ask the user whether the vendor should receive paper EOBs or not. After validating the user response, the program will update all of the vendor file instances identified by the TIN.

6.1 Hardware Detailed Design

The changes described above do not affect CP&E’s hardware configuration.

6.2 Software Detailed Design

The changes described above require the creation of a new menu option and writing MUMPS code to implement the option.

6.2.1 Conceptual Design

6.2.1.1 Product Perspective

6.2.1.1.1 Product perspective

CP&E will continue to operate as it does currently, with the exception of the ability to designate whether a vendor receives paper EOBs or not.

6.2.1.1.2 User Interfaces

There will be changes to a roll-and-scroll screen (to be determined) that will be added to designate a vendor to not receive EOBs.

6.2.1.1.3 Software Interfaces

There will be no changes to software interfaces.

6.2.1.1.4 Communications Interfaces

There will be no changes to communications interfaces.

6.2.1.1.5 Memory Constraints

There will be no changes related to memory constraints.

6.2.1.1.6 Special Operations

There will be no changes related to special operations.

6.2.1.2 Product Features

As above, CP&E will continue to operate as it does currently, with the exception of the ability to designate a vendor to not receive EOBs

6.2.1.3 User Characteristics

The users will consist of CP&E users tasked with designate vendors to not receive EOBs.

6.2.1.4 Dependencies and Constraints

There will be no unusual dependencies or constraints.

6.2.2 Specific Requirements

6.2.2.1 Database Repository

There will be no changes to the data repository.

6.2.2.2 System Features

Harris will write a utility that takes the TIN as input, looks up and lists all vendor entries that share that TIN and then sets on/off the paper EOB flag field (#5.02) in the CHAMPVA VENDOR file (#741001).

6.2.2.3 Design Element Tables

The tables in the following sections are not applicable at this time and have been temporarily removed. The headings remain per ProPath requirements.

6.2.2.3.1 Routines (Entry Points)

N/A – Not VistA

6.2.2.3.2 Templates

N/A – Not VistA

6.2.2.3.3 Bulletins

N/A – Not VistA

6.2.2.3.4 Data Entries Affected by the Design

N/A – Not VistA

6.2.2.3.5 Unique Record(s)

N/A – Not VistA

6.2.2.3.6 File or Global Size Changes

N/A – Not VistA

6.2.2.3.7 Mail Groups

N/A – Not VistA

6.2.2.3.8 Security Keys

N/A – Not VistA

6.2.2.3.9 Options

N/A – Not VistA

6.2.2.3.10 Protocols

N/A – Not VistA

6.2.2.3.11 Remote Procedure Call (RPC)

N/A – Not VistA

6.2.2.3.12 Constants Defined in Interface

N/A – Not VistA

6.2.2.3.13 Variables Defined in Interface

N/A – Not VistA

6.2.2.3.14 Types Defined in Interface

N/A – Not VistA

6.2.2.3.15 GUI

N/A – Not VistA

6.2.2.3.16 GUI Classes

N/A – Not VistA

6.2.2.3.17 Current Form

N/A – Not VistA

6.2.2.3.18 Modified Form

N/A – Not VistA

6.2.2.3.19 Components on Form

N/A – Not VistA

6.2.2.3.20 Events

N/A – Not VistA

6.2.2.3.21 Methods

N/A – Not VistA

6.2.2.3.22 Special References

N/A – Not VistA

6.2.2.3.23 Class Events

N/A – Not VistA

6.2.2.3.24 Class Methods

N/A – Not VistA

6.2.2.3.25 Class Properties

N/A – Not VistA

6.2.2.3.26 Uses Clause

N/A – Not VistA

6.2.2.3.27 Forms

N/A – Not VistA

6.2.2.3.28 Functions

N/A – Not VistA

6.2.2.3.29 Dialog

N/A – Not VistA

6.2.2.3.30 Help Frame

N/A – Not VistA

6.2.2.3.31 HL7 Application Parameter

N/A – Not VistA

6.2.2.3.32 HL7 Logical Link

N/A – Not VistA

6.2.2.3.33 COTS Interface

N/A – Not VistA

6.3 Network Detailed Design

The network detailed design is unchanged from the current system.

6.4 Service Oriented Architecture / ESS Detailed Design

The Service Oriented Architecture / ESS Detailed Design is unchanged from the current system.

6.4.1 Service Description for <Consumed Service Name>

N/A

6.4.2 Service Design for <Provided Service Name>

6.4.2.1 Introduction

N/A

6.4.2.1.1 Purpose and Scope of Service

N/A

6.4.2.1.2 Links to Other Documents

N/A

6.4.2.2 Service Details

N/A

6.4.2.2.1 Service Identification

N/A

6.4.2.2.2 Service Versions

N/A

6.4.2.2.3 Summary of Design and Platform Details

N/A

6.4.2.2.3.1 SOA Pattern(s) Implemented

6.4.2.2.3.2 COTS Platform vendor names and versions for hosting platform

6.4.2.3 Dependencies

N/A

6.4.2.4 Service Design Details

N/A

6.4.2.4.1 Interface Technical Specs

N/A

6.4.2.4.1.1 Service Invocation Type

6.4.2.4.1.2 Service Interface Type

6.4.2.4.1.3 Service Name

6.4.2.4.1.4 End Points

6.4.2.4.1.5 Operations or Methods

6.4.2.4.1.6 Message Schemas

6.4.2.4.2 Information Model

N/A

6.4.2.4.2.1 Class Diagram and Description of Entities Involved

6.4.2.4.2.2 Mappings from ELDM to Standards Based Schemas

6.4.2.4.3 Behavior Model (AKA Use Case Realization)

N/A

6.4.2.4.3.1 Use Cases (Use Case Model)

6.4.2.4.3.2 Interaction Diagrams

6.4.2.5 Gap Analysis

N/A

6.4.2.5.1 Variances from Enterprise Target Architecture

N/A

6.4.2.5.2 Variances from SLDs

N/A

6.4.2.5.3 Variances from Standards and Policies

N/A

6.4.2.5.4 Justification for Exceptions and Mitigation

N/A

7 External Interface Design

No changes to external interfaces design.

7.1 Interface Architecture

7.2 Interface Detailed Design

8 Human Machine Interface

N/A

8.1 Interface Design Rules

Interface design rules will remain unchanged from the current product.

8.2 Inputs

The user will enter an EOB designation for chosen vendors via CP&E.

8.3 Outputs

There are no outputs beyond the standard CP&E screens.

8.4 Navigation Hierarchy

N/A

9 Security and Privacy

There are no changes to existing Security and Privacy on the system.

9.1 Security

There are no changes to existing Security and Privacy on the system.

9.2 Privacy

There are no changes to existing Security and Privacy on the system.

A. Attachment A - Approval Signatures

Signed:	Date:
	
VA Business Sponsor	
Electronic Data Interchange	

Signed:	Date:
	
VA IT Program Manager	
Electronic Data Interchange	

Signed:	Date:
	
VA Project Manager	
Electronic Data Interchange	

Signed:	Date:
	
Integrated Project Team (IPT) Chair	
Electronic Data Interchange	

Signed:	Date:
	
Integrated Project Team (IPT) Chair	
Electronic Data Interchange	

Signed: _____ Date: _____
<Name>
Architecture and Engineering Review Board (AERB) Chair
Electronic Data Interchange

Signed: _____ Date: _____
[Redacted]
Service Delivery and Engineering (SDE) Representative
Electronic Data Interchange

Signed: _____ Date: _____
[Redacted]
CIO, HAC Office of Information and Technology (OI&T)
Electronic Data Interchange