

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

**System Design Document (SDD)  
for  
Claims Attachments Compliance**



**Department of Veterans Affairs**

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## Revision History

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## Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>1</b>
1.1	Purpose of the SDD .....	2
1.2	Identification.....	2
1.3	Scope.....	3
1.4	Constraining Policies, Directives, and Procedures .....	3
1.5	User Characteristics.....	4
1.5.1	User Objectives .....	4
1.6	.Relationship to Other Documents and Plans .....	4
1.7	Definitions, Acronyms, and Abbreviations.....	5
1.7.1	Acronyms.....	5
1.7.2	Definitions .....	7
1.8	References .....	7
<b>2</b>	<b>Background .....</b>	<b>7</b>
2.1	Overview of the System .....	7
2.2	Overview of the Business Process .....	8
2.3	Business Benefits .....	8
2.4	Assumptions and Constraints .....	8
2.4.1	Design Assumptions .....	8
2.4.2	Design Constraints .....	8
2.4.3	Design Trade-offs .....	8
2.5	Overview of the Significant Requirements .....	8
2.5.1	Overview of Significant Functional Requirements.....	8
2.5.2	Overview of Functional Workload / Performance Requirements.....	9
2.5.3	Operational Requirements .....	9

2.5.4	Overview of the Technical Requirements .....	9
2.5.5	Overview of the Security or Privacy Requirements .....	9
2.5.6	Overview of System Criticality and High Availability Requirements .....	9
2.5.7	Single Sign-on Requirement .....	9
2.5.8	Requirement for Use of Enterprise Portals .....	9
2.5.9	Special Device Requirements .....	9
2.6	Legacy System Retirement .....	9
<b>3</b>	<b>Conceptual Design .....</b>	<b>10</b>
3.1	Conceptual Application Design .....	10
3.1.1	Application context .....	10
3.1.2	High Level Application Design .....	10
3.1.3	Application Locations .....	10
3.2	Conceptual Data Design .....	10
3.2.1	Project Conceptual Data Model .....	10
3.2.2	Database Information .....	10
3.2.3	User Interface Data Mapping .....	10
3.3	Conceptual Infrastructure Design .....	11
3.3.1	System Criticality and High Availability .....	11
3.3.2	Special Technology .....	11
3.3.3	Technology Locations .....	11
3.3.4	Conceptual Infrastructure Diagram .....	11
<b>4</b>	<b>System Architecture .....</b>	<b>11</b>
4.1	Hardware Architecture .....	11
4.2	Software Architecture .....	11
4.3	Network Architecture .....	11

4.4	Service Oriented Architecture / ESS .....	12
4.5	Enterprise Architecture .....	12
<b>5</b>	<b>Data Design .....</b>	<b>12</b>
5.1	DBMS Files .....	12
5.2	Non-DBMS Files .....	12
5.3	Data View .....	12
<b>6</b>	<b>Detailed Design .....</b>	<b>12</b>
6.1	Hardware Detailed Design .....	13
6.2	Software Detailed Design .....	13
6.2.1	Conceptual Design .....	13
6.2.2	Specific Requirements .....	14
6.3	Network Detailed Design .....	16
6.4	Service Oriented Architecture / ESS Detailed Design .....	16
6.4.1	Service Description for <Consumed Service Name> .....	16
6.4.2	Service Design for <Provided Service Name> .....	16
<b>7</b>	<b>External Interface Design .....</b>	<b>18</b>
7.1	Interface Architecture .....	18
7.2	Interface Detailed Design .....	18
<b>8</b>	<b>Human Machine Interface .....</b>	<b>18</b>
8.1	Interface Design Rules .....	18
8.2	Inputs .....	19
8.3	Outputs .....	19
8.4	Navigation Hierarchy .....	19
<b>9</b>	<b>Security and Privacy .....</b>	<b>19</b>
9.1	Security .....	19

9.2 Privacy .....	19
<b>10 Attachment A - Approval Signatures.....</b>	<b>20</b>

## List of Tables

<i>Table 1 – EDI PC Documentation .....</i>	<i>5</i>
<i>Table 2 - Acronyms, Abbreviations, Terms, and Definitions .....</i>	<i>5</i>
<i>Table 3 – Definitions.....</i>	<i>7</i>
<i>Table 4 – Functional Requirements.....</i>	<i>8</i>

# 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 Claims Attachments Compliance. 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 Claims Attachments Compliance details the systems to manage the receipt, processing, and storage of claims attachments in preparation for rules effective January 2016.

## 1.2 Identification

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



- 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 [REDACTED]

## 1.3 Scope

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 Claims Attachments 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 Claims Attachment Compliance 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.

Software development and modification will be made to VHA healthcare claims processing systems to comply with the legislative mandate for compliance with national standardized operating rules related to the receipt of claims attachments (275 Transactions).

The following details the scope inclusions for the Claims Attachments Compliance:

- Provide the ability to plan for the implementation of Health Care Claims Attachments compliant with mandated standard.
- Provide the ability to certify Health Care Claims Attachments processes and data as compliant with standards.

The scope of this project is limited to the development of a process to receive inbound electronic and paper claims attachments, and to store the information in a central repository for future use by claims processing systems.

## 1.4 Constraining Policies, Directives, and Procedures

The System Design Document (SDD), in addition to other artifacts, supports the program's Active state success. This SDD is a derivative of the approved ProPath System Design document template with a title change consistent with the current ProPath version. In addition to the conceptual design, the focus of this document is to allow a basic technical overview of the Commercial Off-The-Shelf (COTS) product

integration and manage alignment with the VA IT architecture and design frameworks. Ultimately, this document will be published as a part of the One-VA TRM and used in the Systems Engineering and Design Review (SEDR) Process and the VA C&A Process. 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

#### 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

The claims processing staff are the intended users of this claims attachment project. The information in the claims attachments will assist in the claims adjudication process.

### 1.5.1 User Objectives

The objective of the Claims Attachments Compliance project is to address how claims attachments will be received, stored, and integrated into the claims adjudication process. This mandate becomes effective in January of 2016 following issuance of an Interim Final Rule in the summer of this year.

## 1.6 .Relationship to Other Documents and Plans

The SDD for Claims Attachments Compliance is developed in conjunction with other EDI PC documents, as shown in Table 1.

*Table 1 – 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 the implementation of the project.
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	N/A
Certification and Accreditation (C&A) documentation	N/A
Quality Assurance Surveillance Plan (QASP)	VA-generated document that describes processes that promotes 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

### 1.7.1 Acronyms

The table below lists acronyms and abbreviations applicable to the Claims Attachment Compliance effort.

*Table 2 - Acronyms, Abbreviations, Terms, and Definitions*

Term	Definition
AERB	Architecture and Engineering Review Board
CBO	Chief Business Office
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
EDI	Electronic Data Interchange
ERD	Entity Relationship Diagram
FAR	Foreign Acquisition Regulations
FBCS	Fee Basis Claims System

Term	Definition
FPPS	Fee Payment Processing System
FSC	Financial Services Center
GFE	Government Furnished Equipment
HAC	Health Administration Center
HAPE	Health Administration Production Enhancements
HCP	Health Claims Processing
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

## 1.7.2 Definitions

The table below lists terms and definitions applicable to the Claims Attachment Compliance effort.

*Table 3 – Definitions*

Term	Definition
275 Additional Information to Support a Healthcare Claim or Encounter	Provider uses the 275 EDI transaction to send requested information about a claim or encounter.
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.
CORE®	The Committee on Operating Rules for Information Exchange (CORE®), is an multi-stakeholder initiative created, organized and facilitated by CAQH that is [REDACTED] 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

## 1.8 References

- Requirements Specification Document for Claims Attachments 275 Compliance Project June 2014Electronic Billing and EDI Transactions: Electronic Healthcare Claims  
(<http://www.cms.gov/Medicare/Billing/ElectronicBillingEDITrans/HealthCareClaims.html>)

## 2 Background

Objectives of the claim attachment project:

- A 275 transaction containing a claim attachment shall be parsed and stored along with patient and claim identifying information in a central database that may be accessed by any VA healthcare claims processing system.
- A scanned claims attachment along with associated patient and claim identifying information shall be stored in a central database that may be accessed by any VA healthcare claims processing system.

### 2.1 Overview of the System

The claims attachment project is a new process for obtaining and storing claim attachments. This information will come in on 275 transactions or in paper form. This claim information will be stored and linked to the associated claim so claims processing staff can reference the data. The data will be stored in tables and, in the future, claims adjudicators will be able to view the claim attachment that the system has received.

## 2.2 Overview of the Business Process

Claims will be sent to the VA via two pathways EDI (via 275 transactions) and paper.

Claims will be for two separate patient groups: the Veterans and the beneficiaries. EDI claims attachments will be received by a designated server. Claims that arrive on paper will be scanned as documents. In either case, the claims will need to be stored in a central repository.

## 2.3 Business Benefits

Comply with mandate and provide additional information to be used in the claim adjudication process. Should reduce the time required to adjudicate a claim, since the adjudicator will have additional details.

## 2.4 Assumptions and Constraints

### 2.4.1 Design Assumptions

1. If the Healthcare Claims Processing (HCP) project is stood up before Claims Attachments, the claims might need to be routed to the Financial Services Center (FSC)
2. EDI claims attachments will be received by a designated server.

### 2.4.2 Design Constraints

The Claims Attachments Compliance 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 solution is designed around existing claims systems

## 2.5 Overview of the Significant Requirements

When a 275 transaction with claim attachment information is received it will be parsed and stored in a central database along with its patient and claim identifying information. Similarly when paper claims attachment is received it will be scanned and stored in a central database along with its patient and claim information.

### 2.5.1 Overview of Significant Functional Requirements

See Section 2.5.

*Table 4 – Functional Requirements*

ID	Requirement
FS-0001	A 275 transaction containing a claim attachment shall be parsed and stored along with patient and claim identifying information in a central database that may be accessed by

ID	Requirement
	any VA healthcare claims processing system.
FS-0002	A scanned claims attachment along with associated patient and claim identifying information shall be stored in a central database that may be accessed by any VA healthcare claims processing system.

## 2.5.2 Overview of Functional Workload / Performance Requirements

The claims attachment project creates a new process flow to incorporate the storing of claim attachments. The claims attachment information will be stored in a database with patient and claim indices. Various data elements will be parsed out of the claims attachment and stored in a table.

Per the BRD, the system will respond to user actions in 20 seconds or less. The system will support input from approximately 200,000 unique billing providers, and approximately 2,500 VA users. Individual attachments will be no larger than 64 megabytes.

## 2.5.3 Operational Requirements

Dependent on where the central database is eventually housed.

## 2.5.4 Overview of the Technical Requirements

No additional technical requirements have been identified at this time.

## 2.5.5 Overview of the Security or Privacy Requirements

No changes to existing security or privacy requirements.

## 2.5.6 Overview of System Criticality and High Availability Requirements

Per the BRD, the system will need to be available 100% of the time. Disaster Recovery (DR) plans will be coordinated with the hosting environment.

## 2.5.7 Single Sign-on Requirement

N/A

## 2.5.8 Requirement for Use of Enterprise Portals

N/A

## 2.5.9 Special Device Requirements

N/A

## 2.6 Legacy System Retirement

N/A

## **3 Conceptual Design**

### **3.1 Conceptual Application Design**

Claims attachments will be stored in a central repository that claims adjudicators will be able to access to view them. The database is independent of the claims processing systems in use by the VA.

#### **3.1.1 Application context**

See Section 3.1 above.

#### **3.1.2 High Level Application Design**

See Section 3.1 above.

#### **3.1.3 Application Locations**

TBD

### **3.2 Conceptual Data Design**

#### **3.2.1 Project Conceptual Data Model**

A new database and table will be used to store claims attachment information.

#### **3.2.2 Database Information**

A new database and table will be used to store claims attachment information.

The table will contain:

- Patient identifier
- Claim identifier
- Claim attachment as a PDF or JPEG

#### **3.2.3 User Interface Data Mapping**

TBD

##### **3.2.3.1 Application Screen Interface**

TBD

##### **3.2.3.2 Application Report Interface**

TBD

##### **3.2.3.3 Unmapped Data Element**

N/A



## **3.3 Conceptual Infrastructure Design**

No effect on existing systems.

### **3.3.1 System Criticality and High Availability**

No effect on existing systems.

### **3.3.2 Special Technology**

No effect on existing systems.

### **3.3.3 Technology Locations**

TBD

### **3.3.4 Conceptual Infrastructure Diagram**

#### **3.3.4.1 Location of Environments and External Interfaces**

No changes to existing external interfaces.

#### **3.3.4.2 Conceptual Production String Diagram**

No changes to existing conceptual production string diagram.

## **4 System Architecture**

The database and software developed pursuant to this SDD will operate within the context of existing and future claims processing systems. Details of the Claims Attachments system are described below in Section 6. The context for the new system is: 1) Beneficiary (e.g., ChampVA) claims using CP&E, 2) VistA Fee claims using either Fee Basis Claims System (FBCS) or Fee Payment Processing System (FPPS), or 3) either type of claims using the new Health Claims Processing (HCP) system currently under development. The Claims Attachments system was designed to be claims processing system agnostic in order that it can be integrated with existing claims processing systems or a future replacement system.

### **4.1 Hardware Architecture**

The Claims Attachment system requires no changes to the existing hardware architecture of CP&E, FBCS or FPPS or to the planned architecture for HCP.

### **4.2 Software Architecture**

The Claims Attachment system requires no changes to the existing software architecture of CP&E, FBCS or FPPS or to the planned architecture for HCP.

### **4.3 Network Architecture**

The Claims Attachment system requires no changes to the existing network architecture of CP&E, FBCS or FPPS or to the planned architecture for HCP.

## 4.4 Service Oriented Architecture / ESS

The Claims Attachment system requires no changes to the existing SOA architecture of CP&E, FBCS or FPPS or to the planned architecture for HCP.

## 4.5 Enterprise Architecture

The Claims Attachment system requires no changes to the existing enterprise architecture of CP&E, FBCS or FPPS or to the planned architecture for HCP.

# 5 Data Design

A new table will be created for Claim attachments. The table will include patient and claim links to the claim attachment. The size of the claims attachment database after deployment and integration with claims processing systems depends on the percentage of claims that receive attachments, the average size of an attachment and the retention period as described below in Section 6.

## 5.1 DBMS Files

## 5.2 Non-DBMS Files

## 5.3 Data View

# 6 Detailed Design

The Claims Attachment system will consist of: 1) a database, 2) methods to populate the database, 3) an attachment viewer and 4) processes to manage the database over time. This SDD addresses the first two of these features.

The system can reside on a host configured to VA standard for hardware and operating system software. It will require an RDBMS such as Microsoft SQL Server 2008 R2. Disk storage needs can be estimated by the formula:

$$\text{Number of claims per year} * \text{Percentage of claims requiring supporting documentation} * (\text{Average size of a claims attachment} + X) * \text{Number of years required to retain records}$$

where **X** is the size of the patient and claim identification information stored with each attachment.

The claims attachment database will consist of the following table:

Column	Data Type
Id	Bigint
Provider Name	Varchar(132)
Provider Identification Number	Varchar(20)
Patient Name	Varchar(60)
Patient Identification Number	Varchar(20)

Claim Identifier	Varchar(20)
Claim Service Date	Date
Attachment Control Number	Varchar(20)
Attachment	NVarchar(MAX)

Note: The table design is based on the “Public Review Draft” version of the 275 transaction. Changes to the table may result from revisions to the contents of the transaction in the months ahead.

The second part of this design is methods to populate the database. Two methods are proposed based on the assumption that claims attachments could be submitted to the VA either via EDI (275 transaction) or on paper which is then scanned. For the 275 transaction, Java code will be written that parses out the patient, provider and claim identification fields as well as the attachment data and then stores them in the SQL database. For the paper submission, Java code will be written that accepts as parameters the patient, provider and claim identification fields as well as the attachment data and then stores them in the SQL database.

## 6.1 Hardware Detailed Design

Standard VA hardware configuration with disk space estimated using the formula in section 6 above.

## 6.2 Software Detailed Design

As described in Section 6 above.

### 6.2.1 Conceptual Design

#### 6.2.1.1 Product Perspective

The system described in Section 6 above is capable of being interfaced to any of the existing or planned claims processing systems.

##### 6.2.1.1.1 Product perspective

##### 6.2.1.1.2 User Interfaces

##### 6.2.1.1.3 Software Interfaces

##### 6.2.1.1.4 Communications Interfaces

##### 6.2.1.1.5 Memory Constraints

##### 6.2.1.1.6 Special Operations

#### **6.2.1.2 Product Features**

#### **6.2.1.3 User Characteristics**

#### **6.2.1.4 Dependencies and Constraints**

### **6.2.2 Specific Requirements**

#### **6.2.2.1 Database Repository**

#### **6.2.2.2 System Features**

#### **6.2.2.3 Design Element Tables**

N/A – No changes to VistA

##### **6.2.2.3.1 Routines (Entry Points)**

N/A – No changes to 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**

No change to existing 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**

###### **1.1.1.1.1.1 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 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**

No changes to external interfaces design.

### **7.2 Interface Detailed Design**

No changes to external interfaces design.

## **8 Human Machine Interface**

TBD

### **8.1 Interface Design Rules**

TBD



## **8.2 Inputs**

TBD

## **8.3 Outputs**

TBD

## **8.4 Navigation Hierarchy**

TBD

# **9 Security and Privacy**

No changes to existing.

## **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

The following members of the governing IPT are required to sign. Please annotate signature blocks accordingly.

---

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:
	
VA Integrated Project Team (IPT) Chair	
Electronic Data Interchange	

---

Signed:	Date:
	
VA 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