

Department of Veterans Affairs

VA/DoD VistA Fee-IPAC Interface Enhancement

Requirements Specification Document



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Version 1.3

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
October 2013	1.3	Updated RSD using the updated Propath RSD document template dated 6/14/2013.	
June 2011	1.2	Updated RSD per the VA comments	
May 2011	1.1	Update RSD with the VA comments	
March 2011	1.0	Initial Draft	

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.

Table of Contents

1. Introduction	1
1.1. Purpose	1
1.2. Scope	1
1.3. References	2
2. Overall Description	3
2.1. Accessibility Specifications.....	3
2.2. Business Rules Specification.....	3
2.3. Design Constraints Specification.....	3
2.4. Disaster Recovery Specification	4
2.5. Documentation Specifications.....	4
2.6. Functional Specifications	4
2.6.1. Manage IPAC Vendor Agreement Records.....	4
2.6.2. Display the IPAC Vendor Agreement Menu	5
2.6.3. Create an IPAC Vendor Agreement.....	5
2.6.4. Edit an IPAC Vendor Agreement	7
2.6.5. Delete an IPAC Vendor Agreement	8
2.6.6. Display an IPAC Vendor Agreement	8
2.6.7. Transmit an IPAC Vendor Agreement to Central Fee	8
2.6.8. Modification to Enter New Invoice/Payment.....	8
2.6.9. Modification to Edit Existing Invoice/Payment	10
2.6.10. Modification to Display Invoice options	10
2.6.11. Pharmacy Modification for IPAC	11
2.6.12. Include IPAC Data in the Payment Batch(es)	11
2.6.13. IPAC Data on Payment Confirmation	11
2.6.14. IPAC Vendor (DoD) Invoice Report	11
2.6.15. IPAC Vendor Payment Report	13
2.6.16. DoD Invoice Number Inquiry.....	16
2.7. Graphical User Interface (GUI) Specifications	16
2.8. Multi-divisional Specifications.....	16
2.9. Performance Specifications.....	16
2.10. Quality Attributes Specification	17
2.11. Reliability Specifications.....	17
2.12. Scope Integration.....	17
2.13. Security Specifications	17
2.14. System Features	18
2.15. Usability Specifications.....	19

3. Applicable Standards	19
4. Interfaces	20
4.1. Communications Interfaces	20
4.2. Hardware Interfaces	20
4.3. Software Interfaces	20
4.4. User Interfaces	21
5. Legal, Copyright, and Other Notices	21
6. Purchased Components	21
7. User Class Characteristics	21
8. Estimation	21
9. Approval Signatures	25

1. Introduction

This Requirements Specification Document (RSD) provides an overview and detailed specifications for the VistA Fee-IPAC Enhancement project. It outlines the scope of this enhancement to the VistA Fee Basis system, the preferred functionality, known design constraints, and integrations with other systems that depend on the VistA Fee Basis system to query, manage, and report on out-of-network fee payments and agreements for Department of Veterans Affairs (VA) personnel and their dependents.

1.1. Purpose

The target audience for this requirements specifications document (RSD) includes the Chief Business Officer (CBO), the Department of Defense (DoD) military treatment facilities (MTF), the Veterans Health Administration (VHA) health care facilities, and the end-users responsible for querying, managing, and reporting on out-of-network care offered by DoD facilities to VA personnel and their dependents.

1.2. Scope

The proposed changes to Veterans Health Integrated Systems Technology Architecture (VistA) Fee application software are being requested by the Health Administration Center (HAC) to provide support for business processes underlying sharing agreements between Department of Defense (DoD) military treatment facilities (MTF) and VHA health care facilities. This effort is consistent with the priority of the Under Secretary for Health “to improve collaboration with DoD.”¹

The VistA Fee-IPAC Enhancement project will introduce new functionality to the VistA Fee Basis system to collect, process, and report on claims and fees related to healthcare services provided on behalf of the DoD to Veterans and their eligible family members. This enhancement will address gaps in data fields that are critical to allow these out-of-network claims to be processed by the Department of Treasury’s Inter-governmental Payment and Collection System (IPAC). These enhancements are specific to the current Veterans Integrated Systems Technology Architecture (VistA) Fee Basis application capabilities and data processes and, when complete will provide the VA with the ability to process electronically transmitted payments to federal health care providers who have been proper business contracts (AKA, ‘vendor agreements’) with the VA.

The Intra-governmental Payment and Collection System (IPAC) provide a standardized inter-agency fund transfer mechanism for Federal Program Agencies (FPA). It facilitates the intra-governmental transfer of funds, with descriptive data, from one FPA to another. Processing payments through IPAC provides the Financial Management Service (FMS) with the ability to meet its statutory requirements for accounting and reporting.

¹ A Message From the Under Secretary for Health, June 5, 2007.

Currently, some of the information needed to process a claim via IPAC is collected at local facilities and documented in the VistA Fee application. Other information is obtained nationally by the Central Fee business. Other payment systems (such as the Federal Accounting Service Payment and Collection (FASPAC) also integrate with IPAC. Collaboration with these project teams is important to address the overall goal of streamlined payment processing, but the enhancements described in this Requirements Specification Document are limited to the modifications and enhancements to the VistA Fee Basis application itself.

This project brings the VA into compliance with the Department of Treasury and VHA guidelines to use IPAC to make payments between Federal agencies. As the number of sharing agreements expand between DoD and VHA facilities, the modifications made to VistA Fee will allow additional agreements to be added seamlessly.

These modifications made to the VistA Fee Basis system will allow the growth of additional agreements and remove disincentives to increased collaboration between the VHA and the DoD. For example, late payments are a disincentive for DoD to enter into sharing arrangements with the VA as is the more laborious methods required to pay the DoD for the VA (versus local community providers). By eliminating this disincentive, greater shared services and information sharing between the two agencies is encouraged. This project will impact all VA DoD sharing sites where veterans are treated by Military Treatment Facilities. As such, this effort is consistent with the priority of the Under Secretary for Health “to improve collaboration with DoD.”²

1.3. References

The following documents are references:

- Technical Services Project Repository (SPR): SD&D Project Notebooks
- VistA Fee Basis Manuals
- Intra-Government Payment and Collection (IPAC) Exhibit 300, 015-10-01-14-01-1330-00, 2006-11-07
- Audit Report, OIG-05-017, Management Letter for Fiscal Year 2004 Audit of the Department of the Treasury’s Financial Statements, December 13, 2004, Office of Inspector General, Department of Treasury
- IPAC Overview, Department of Treasury, Financial Management Service
<https://www.fms.gov/ipac/>
- Message From the Under Secretary for Health, June 5, 2007
- Treasury Financial Manual, Transmittal Letter No. 619, Volume 1, November 4, 2004

² A Message From the Under Secretary for Health, June 5, 2007.

- VA and DoD Health Care, Opportunities to Maximize Resource Sharing. GAO-66-315, March 2006
- VA-DoD Health Care Resources Sharing. VHA Handbook 1660.4, Transmittal Sheet, March 31, 2004
- VA/DoD VistA Fee-IPAC Interface, Requirements Specification Document, Version 1.0, May 29, 2009. This document is a placeholder for the BRD that will be placed on the TSPR. (OED Project Repository)

2. Overall Description

These sections outline the overall accessibility specifications, design constraints, and requirements related to the operation of the VistA Fee-IPAC Enhancement software.

2.1. Accessibility Specifications

The enhancements described in this document do not contain any specification for functionality that is impacted by Section 508 Compliance. This project will self-certify for Section 508 Compliance as per current VA guidelines.

2.2. Business Rules Specification

The enforcement of business rules for the VistA Fee-IPAC Enhancement are programmed into the VistA Fee system using the menus, prompts, and data entry fields. Refer to Section 2.6 of this document for specific business rules in alignment with the creation and modification of Vendor Agreements, the creation and modification of DoD Vendor Invoices, and the search criteria and display options for DoD Vendor Reports processing using IPAC. Note: Many VistA Fee invoices may be associated with one DoD invoice number. For example, the DoD may send the VA one invoice with many separate billable components (pharmacy, hospital visits, etc.), which would then be entered into VistA Fee with many different VistA Fee invoice numbers. Thus, one DoD invoice number may be assigned to many (different) VistA Fee invoice numbers. However, a single VistA Fee invoice cannot be assigned to more than one DoD invoice number. Only Medical Fee (Outpatient), Civil Hospital (Inpatient), Civil Hospital (Ancillary), and Pharmacy invoices shall be applicable for payment via IPAC.

2.3. Design Constraints Specification

This enhancement uses design constraints established by the VA Standards and Conventions. The VistA Fee-IPAC Enhancement project is written in the MUMPS programming language and the code is managed in compliance with the best practices and guidelines of the VA's VistA Integrated Program Team (IPT). Additional constraints include:

- The VistA system and its related communication network(s) will be able to process the increase in size of the messages being sent from VistA Fee to Central Fee.
- The VistA system and its related communication network(s) will be able to process the increased number of messages being sent from VistA Fee to Central Fee

- The VistA Fee Basis user manuals in the Document Library will be updated to reflect this enhancement.
- Training will be provided by the Fee Program Office.
- This enhancement will be implemented in alignment with the national rollout play for VistA upgrades and enhancements.

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 exists at each site and will be subject to the normal backup and recovery procedures already defined by the Standard Operating Procedures (SOPs) of each facility.

2.5. Documentation Specifications

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

- VistA Fee Basis User Manual
- VistA Fee Basis Technical Manual/Security Guide
- Release Notes for Patch FB*3.5*123

2.6. Functional Specifications

The functional specifications include the following:

2.6.1. Manage IPAC Vendor Agreement Records

2.6.1.1. VistA Fee shall be modified to allow the addition of new data fields that need to be captured for federal vendors to be paid using IPAC.

2.6.1.2. Only users with the appropriate security key shall be able to add, edit, and/or delete the IPAC data fields. This file is intended to hold information needed to make IPAC payments that are applicable to a large number of invoices. Each record is applicable to one vendor for one fiscal year. When a user enters a federal vendor invoice/payment, they must select that vendor's IPAC Vendor Agreement record to associate with the invoice/payment.

Note: Central Fee will identify payments that must be made via IPAC based on the presence of the IPAC Vendor Agreement values in the Payment Detail line. If this (IPAC Vendor Agreement) value exists, the payment must be made using IPAC.

2.6.2. Display the IPAC Vendor Agreement Menu

2.6.2.1. VistA Fee shall create a new menu named IPAC Vendor Agreements.

2.6.2.2. VistA Fee shall attach the new menu, IPAC Vendor Agreements, to the VistA Fee Vendor Menu option [FBAA VENDOR OPTIONS].

2.6.3. Create an IPAC Vendor Agreement

2.6.3.1. VistA Fee shall add a new file that contains the IPAC Vendor Agreement record fields (see Table A-1 – IPAC Vendor Agreement Records Fields, below). Fields with the word “*Identifier*” in the description are to be displayed when the user is doing lookups on the file.

Table A-1 – IPAC Vendor Agreement Record Fields

Req. Field?	Field Name	Field Length/Description
Y	ID	System-assigned unique value to identify the record. Key Field
Y	VENDOR	Reference to FEE BASIS VENDOR Identifier
Y	FISCAL YEAR	Num(4)/Applicable Fiscal Year of the Agreement Identifier
Y	SHORT DESCRIPTION	Char(60) Free text/Textual Description Identifier
N	SHARING AGREEMENT	Char(13) Free text/Textual Description of the sharing agreement
Y	CUSTOMER AGENCY LOCATION CODE (ALC)	Char(8) Free text
Y	RECEIVER TREASURY ACCOUNT SYMBOL (TAS)	Char(27) Free text
Y	AGENCY FIELD STATION NUMBER	Num(8) Free text

Req. Field?	Field Name	Field Length/Description
Y	OBLIGATING DOCUMENT NUMBER	Char(17) Free text
Y	COMPLETE LINE OF ACCOUNTING	Char(60) Free text
Y	DESCRIPTION OF GOODS AND SERVICES	Char(200) Free text
Y	STATION CONTACT NAME	Char(60) Free Text
Y	STATION CONTACT PHONE	Char(17) Free Text
Y	STATION CONTACT EMAIL	Char(100) Free Text
Y	STATUS	Set of Codes Identifier
N	MISCELLANEOUS INFORMATION (1)	Char(220) Free Text
N	MISCELLANEOUS INFORMATION (2)	Char(100) Free Text

- 2.6.3.2.VistA Fee shall apply a filter to the vendor field such that only vendors with a FMS VENDOR TYPE = “F” are available for selection.
- 2.6.3.3.VistA Fee shall create an option under IPAC Vendor Agreement menu option to ADD a new IPAC Vendor Agreement record.
- 2.6.3.4.VistA Fee shall lock the ENTER option with new security key FB IPAC VENDOR.
- 2.6.3.5.VistA Fee shall automatically assign a unique value to the ID field of a new IPAC Vendor Agreement record.
- 2.6.3.6.VistA Fee shall prompt the user with the IPAC Vendor Agreement fields, with the exception of the system-generated ID and the STATUS fields, when entering IPAC Vendor Agreement record for a vendor. (See 2.6.3.1 Table A-1 – IPAC Vendor Agreement Records Fields.)
- 2.6.3.7.VistA Fee shall allow a user to establish more than one (1) IPAC Vendor Agreement record per vendor.

2.6.4. Edit an IPAC Vendor Agreement

- 2.6.4.1.VistA Fee shall create an option under the IPAC Vendor Agreement menu option to EDIT the IPAC Vendor Agreement record of a vendor.
- 2.6.4.2.VistA Fee shall lock the EDIT option with new security key FB IPAC VENDOR.
- 2.6.4.3.VistA Fee shall allow a user to edit all IPAC Vendor Agreement record fields (with the exception of the system-generated ID field) unless there are any invoices/payments linked to the record. In that case, the VENDOR and FISCAL YEAR fields are also not editable. (See 2.6.3.1 Table A-1 – IPAC Vendor Agreement Records Fields.)

2.6.5. Delete an IPAC Vendor Agreement

2.6.5.1. VistA Fee shall create an option under the IPAC Vendor Agreement menu option to DELETE an IPAC Vendor Agreement record.

2.6.5.2. VistA Fee shall lock the DELETE option with new security key FB IPAC VENDOR.

2.6.5.3. VistA Fee shall allow an IPAC Vendor Agreement record to be deleted only if there are no invoices/payments linked to that record.

2.6.6. Display an IPAC Vendor Agreement

2.6.6.1. VistA Fee shall create an option under the IPAC Vendor Agreement menu to DISPLAY an IPAC Vendor Agreement record.

2.6.6.2. VistA Fee shall allow a user to select any IPAC Vendor Agreement record to display.

2.6.6.3. VistA Fee shall display all the fields for IPAC Vendor Agreement record in the IPAC Vendor Agreement Display Format layout.

2.6.7. Transmit an IPAC Vendor Agreement to Central Fee

2.6.7.1. VistA Fee shall create a new transaction type for an IPAC Vendor Agreement (similar to the existing Master Record Adjustment [MRA] transactions) to report to Central Fee all additions, edits, and deletes to IPAC Vendor Agreement file entries.

2.6.7.2. VistA Fee shall generate a message for the new transaction type for an IPAC Vendor Agreement using the existing Queue Data for Transmission [FBAA QUEUE DATA FOR TRANS.] option.

2.6.7.3. VistA Fee shall create a new file that contains the IPAC Vendor Agreement MRA fields to support the reporting of additions, edits, and deletes of IPAC Vendor Agreements to Central Fee.

2.6.8. Modification to Enter New Invoice/Payment

2.6.8.1. When entering a new inpatient, outpatient, or pharmacy invoice/payment, VistA Fee shall search for any active IPAC vendor agreements for the selected vendor.

2.6.8.2. When entering a new inpatient, outpatient, or pharmacy invoice/payment and if any active IPAC vendor agreements exist, VistA Fee shall require the selection of one active IPAC vendor agreement.

- 2.6.8.3. When entering a new inpatient, outpatient, or pharmacy invoice/payment and if any active IPAC vendor agreements exist, VistA Fee shall require the entry of the DoD Invoice Number.
- 2.6.8.4. When entering a new inpatient, outpatient, or pharmacy invoice/payment and if only one active IPAC vendor agreement exists, VistA Fee shall automatically select that IPAC vendor agreement.
- 2.6.8.5. When entering a new inpatient, outpatient, or pharmacy invoice/payment and if two or more active IPAC vendor agreements exist, VistA Fee shall display all active IPAC vendor agreements in a list and shall require the user to select one of them.
- 2.6.8.6. When entering a new inpatient, outpatient, or pharmacy invoice/payment and after the selection of an active IPAC vendor agreement, VistA Fee shall display the selected IPAC vendor agreement data in the IPAC Vendor Agreement Display Format layout.

2.6.9. Modification to Edit Existing Invoice/Payment

- 2.6.9.1. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and when existing IPAC data exists on the invoice/payment, VistA Fee shall display the existing IPAC vendor agreement information and DoD invoice number.
- 2.6.9.2. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and when existing IPAC data exists on the invoice/payment, VistA Fee shall allow the user to change the existing IPAC vendor agreement and DoD invoice number.
- 2.6.9.3. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and when no IPAC data exists on the invoice/payment, VistA Fee shall search for any active IPAC vendor agreements for the selected vendor.
- 2.6.9.4. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and if any active IPAC vendor agreements exist, VistA Fee shall require the selection of one active IPAC vendor agreement.
- 2.6.9.5. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and if any active IPAC vendor agreements exist, VistA Fee shall require the entry of the DoD Invoice Number.
- 2.6.9.6. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and if only one active IPAC vendor agreement exists, VistA Fee shall automatically select that IPAC vendor agreement.
- 2.6.9.7. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and if two or more active IPAC vendor agreements exist, VistA Fee shall display all active IPAC vendor agreements in a list and shall require the user to select one of them.
- 2.6.9.8. When editing an existing inpatient, outpatient, or pharmacy invoice/payment and after the selection of an active IPAC vendor agreement, VistA Fee shall display the selected IPAC vendor agreement data in the IPAC Vendor Agreement Display Format layout

2.6.10. Modification to Display Invoice options

- 2.6.10.1. VistA Fee shall display the IPAC Agreement ID and DoD Invoice number when this data is present in the option “Invoice Display” [FBAA INVOICE DISPLAY] for outpatient invoices.
- 2.6.10.2. VistA Fee shall display the IPAC Agreement ID and DoD Invoice number when this data is present in the option “Invoice Display” [FBCH INVOICE DISPLAY] for inpatient invoices.

- 2.6.10.3. VistA Fee shall display the IPAC Agreement ID and DoD Invoice number when this data is present in the option “Display Pharmacy Invoice” [FBAA PHARMACY INVOICE DISPLAY] for pharmacy invoices.

2.6.11. Pharmacy Modification for IPAC

- 2.6.11.1. VistA Fee shall modify the emergency medication process for IPAC payment-related pharmacy invoices so that the user is NOT prompted with the “Is this an emergency medication?” question.

2.6.12. Include IPAC Data in the Payment Batch

Note: Payment batch messages are generated by the Queue Data for Transmission [FBAA QUEUE DATA FOR TRANS] option.

- 2.6.12.1. VistA Fee shall modify the existing payment batches to include the selected IPAC Vendor Agreement ID and the DoD Invoice Number in the B3 transaction for Medical (Outpatient) payments.
- 2.6.12.2. VistA Fee shall modify the existing payment batches to include the selected IPAC Vendor Agreement ID and the DoD Invoice Number in the B5 transaction for Pharmacy payments.
- 2.6.12.3. VistA Fee shall modify the existing payment batches to include the selected IPAC Vendor Agreement ID and the DoD Invoice Number in the B9 transaction for Civil Hospital (Inpatient) payments.

2.6.13. IPAC Data on Payment Confirmation

VistA Fee receives payment confirmation from Central Fee after a claim has been processed.

- 2.6.13.1. VistA Fee shall require standard payment confirmation messages for payments made via IPAC.
- 2.6.13.2. The IPAC transaction document reference number shall be provided in the check number data element. (The IPAC transaction number shall always begin with ‘09’.) The date paid and disbursed amount shall also be provided by the payment confirmation message.

2.6.14. IPAC Vendor DoD Invoice Report

The IPAC Vendor DoD Invoice Report shall display all of the DoD invoices for a specified IPAC vendor and date range.

2.6.14.1. A new IPAC Vendor DoD Invoice Report shall be attached to (or to a sub-menu of) the following VistA Fee menus:

- Outputs Main Menu [FBAA OUTPUTS MENU]
- Output Menu [FBCH OUTPUT MENU]
- Telephone Inquiry Menu [FB PHONE MENU]

2.6.14.2. Vista Fee shall display the following prompts to the user in the IPAC Vendor DoD Invoice Report:

- Vendor
- Start Date
- End Date
- Type (Outpatient, Pharmacy, Civil Hospital, Civil Hospital Ancillary, All)
- Format (Standard or CSV)
- Device

2.6.14.3. VistA Fee shall select payments to be included in the IPAC Vendor DoD Invoice Report based on:

- Vendor = specified vendor
- Date Finalized (set by 'Finalize a Batch' option) is in the specified date range (Start Date through End Date)
- Payments made via IPAC (implying that an IPAC Vendor Agreement exists or existed)
- Type = specified type

2.6.14.4. VistA Fee shall sort the payments to be included in the IPAC Vendor DoD Invoice Report using the DoD Invoice Number and display the results accordingly.

2.6.14.5. VistA Fee shall display the following page header (not included if the output option selected is CSV format) in the IPAC Vendor DoD Invoice Report:

- Vendor Name
- Vendor ID
- Date Range
- Page Number
- Type

2.6.14.6. VistA Fee shall display the following information in the IPAC Vendor DoD Invoice Report:

- Vendor ID (displayed only when the output format is CSV)
- DoD Invoice Number
- Total Amount Claimed (sum of amount claimed with this DoD Invoice Number)
- Total Amount Paid (sum of amount paid with this DoD Invoice Number)
- Total Adjustment Amount (sum of adjustment amounts with this DoD Invoice Number)
- Invoice Number (add + to value if additional values exists)
- Batch Number (add + to value if additional values exists)
- Obligation Number (add + to value if additional values exists)
- Date Paid (add + to value if additional values exists; add * to value if not all lines for the DoD invoice Number have a date)
- Check Number (the Treasury document reference number for an IPAC payment); (add + if additional values exists; add * if not all lines have a value)
- Total Disbursed Amount (sum of disbursed amounts with the DoD Invoice Number)

2.6.15. **IPAC Vendor Payment Report**

The IPAC Vendor Payment Report displays a list of paid line items by DoD Invoice Number, Type, and Service Date.

2.6.15.1. VistA Fee shall create a new report called IPAC Vendor Payment Report.

2.6.15.2. The IPAC Vendor Payment Report shall be attached to (or to a sub-menu of) the following VistA Fee menus:

- Outputs Main Menu [FBAA OUTPUTS MENU]
- Output Menu [FBCH OUTPUT MENU]
- Telephone Inquiry Menu [FB PHONE MENU]

2.6.15.3. VistA Fee shall display the following prompts to the user in the IPAC Vendor Payment Report:

- Vendor
- Start Date
- End Date

- Type (Outpatient, Pharmacy, Civil Hospital, Civil Hospital Ancillary, All)
- Just Suspended Payments (not paid in full)
- Format (Standard or CSV)
- Device

2.6.15.4. VistA Fee shall select payments to be included in the IPAC Vendor Payment Report based on:

- Vendor = specified vendor
- Date Finalized (set by 'Finalize a Batch' option) is in the specified date range (Start Date through End Date)
- Payments made via IPAC (implying that an IPAC Vendor Agreement exists or existed)
- Type = specified type
- Adjustment Amount (>0 if user selected just suspended payments)

2.6.15.5. VistA Fee shall sort the payments to be included in the IPAC Vendor Payment Report based on:

- Type (Outpatient, Pharmacy, Civil Hospital, Civil Hospital Ancillary, All)
- DoD Invoice Number
- Service Date (Date of Service for Outpatient, Fill Date for Prescription, Admit Date for Inpatient)
- Admit Date (if Type = Inpatient)

2.6.15.6. VistA Fee shall display the following page header display (not included if output option is CSV format) in the IPAC Vendor Payment Report:

- Vendor Name
- Vendor ID
- Date Range
- Page Number
- Type

2.6.15.7. VistA Fee shall display the following information in the IPAC Vendor Payment Report:

- Vendor ID (only when output option is CSV)
- Type
- DoD Invoice Number

- Patient Name
- Patient ID
- If 'Type' = Outpatient, then the following information shall display:
 - Date of Service
 - CPT Code
 - CPT Modifiers
 - Revenue Code
- If 'Type' = Inpatient, then the following information shall display:
 - Admission Date
 - Discharge Date
 - Diagnosis & Present on Admission Codes
 - Admitting Diagnosis
 - Procedure Codes
- If 'Type' = Pharmacy, then the following information shall display:
 - Prescription Number
 - Fill Date
 - Drug Name
- Amount Claimed
- Amount Paid
- Adjustment Amount
 - Up to two (2) Adjustment Amounts for Outpatient or Pharmacy
 - Up to one (1) Adjustment Amount for Inpatient
- Adjustment Reason
 - Up to two (2) Adjustment Reasons for Outpatient, Pharmacy, and Civil Hospital Ancillary
 - Up to one (1) for Civil Hospital
- Invoice Number
- Batch Number
- Obligation Number
- Date Paid
- Check Number (Treasury document reference number for an IPAC payment)
- Disbursement Amount

2.6.16. DoD Invoice Number Inquiry

The DoD Invoice Number Inquiry displays a list of all VistA invoices with a specified DoD Invoice number.

2.6.16.1. VistA Fee shall create a new option called DoD Invoice Number Inquiry.

2.6.16.2. The DoD Invoice Number Inquiry shall be attached to (or to a sub-menu of) the following VistA menus:

- Outputs Main Menu [FBAA OUTPUTS MENU]
- Output Menu [FBCH OUTPUT MENU]
- Telephone Inquiry Menu [FB PHONE MENU]

2.6.16.3. VistA Fee shall display the following prompts to the user for DoD Invoice Number Inquiry:

- DoD Invoice Number
- Device

2.6.16.4. VistA Fee shall display all VistA invoices associated with the selected DoD Invoice Number for the DoD Invoice Number Inquiry option.

2.7. Graphical User Interface (GUI) Specifications

The VistA Fee-IPAC Enhancement project augments the VistA Fee system using the ‘roll and scroll’ user interface inherent in the VistA application. VistA Fee Basis does not have a GUI.

2.8. Multi-divisional Specifications

There are no specific multi-divisional or multi-site specifications unique to the VistA Fee IPAC Enhancement project or unique to VistA Fee Basis in general. However, there is a requirement to be able to enter into the system more than one active IPAC vendor agreement per Fee Basis Vendor. In a scenario where a DoD military treatment facility has IPAC vendor agreements in place with more than one VA medical center and those VA medical centers are contained within the same VistA instance, then all of the necessary IPAC agreements will be able to be entered into the system. The Fee Basis end user will be able to see all of the details of the IPAC agreements and will be able to make a determination as to which IPAC agreement pertains to the Veteran’s invoice.

Additionally, the Fee Basis invoice/payment files for inpatient, outpatient, and pharmacy invoices all contain a field called the PRIMARY SERVICE FACILITY which indicates which VA Institution (VA medical center) is the VA Hospital responsible for the veterans care.

2.9. Performance Specifications

Vista Fee supports all VA medical centers which may have between three to 25 direct users per site. Also, direct and indirect support to several major VA financial hubs. A typical number of users on the system at any one time exceeds two thousand. Since the system is used around the world at VHA sites, usage hours are from 0700-2100 EST with peak hours from 1000 to 2000 EST.

The VistA Fee IPAC development will enable any VHA Facility who does business with a federal entity to pay via VistA Fee. All VHA sites will have access to the system with the highest direct users being IDES, VA/DOD Collaborations, and polytrauma locations (116 sites). Other indirect users will be financial centers for DoD and VHA. An estimated number of users is 250-500.

Without this enhancement, there is not a standard across the VA/DoD collaborations for capturing and processing claims. Many sites are performing double entry, some are using event capture while others are paying with paper checks. The standardization offered by this enhancement will reduce these inefficiencies by a minimum of 50% and lessen the delay to process a payment by several months (depending upon location). The exact amount of time saved is unknown at this time because of system inefficiencies; more data on the nominal size of the average transaction and time saved is undeterminable until this standardization occurs.

2.10. Quality Attributes Specification

The VistA Fee Basis software for this project will adhere to existing VistA Fee Basis software programming conventions. The overall VA M Programming Standards and Conventions will be followed and all aspects of the software build will pass the standard XINDEX programming checks. Existing Fee Basis functions and subroutines will be utilized where applicable to follow coding best practices for supportability and reusability of existing code.

2.11. Reliability Specifications

There are no reliability requirements specific to this development effort. The VistA Fee Basis module is an integrated part of the overall VistA system that exists at each site and will be subject to the normal reliability standards of the VistA system itself.

2.12. Scope Integration

This software development project is a sub-set of the VistA Fee Basis package. The Fee Basis package is an integrated part of the overall VistA system that exists at each site. The Fee Basis package uses VistA Kernel, FileMan, and MailMan to integrate with other parts of VistA and with outside trading partners such as Central Fee.

2.13. Security Specifications

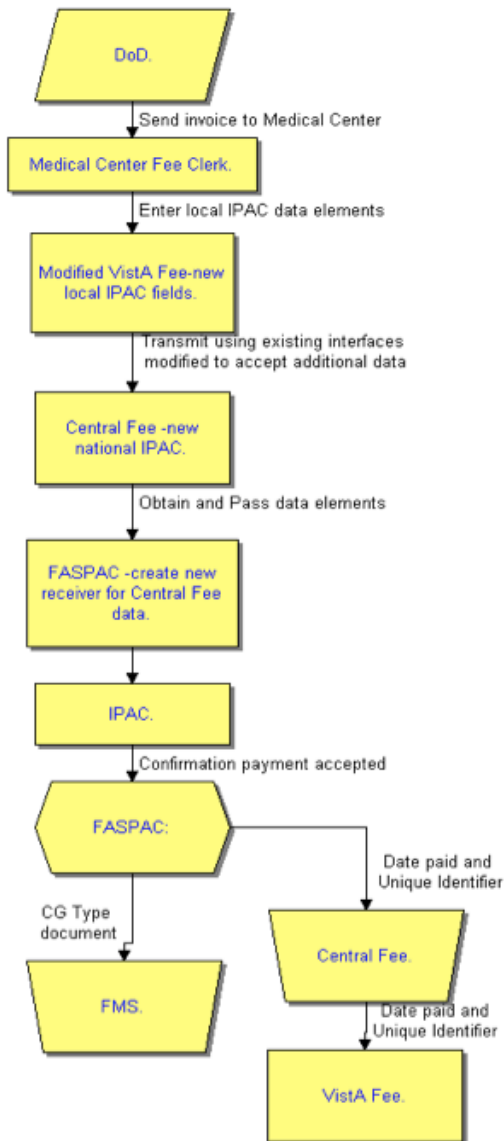
All VA security requirements will be followed based on Federal Information Processing Standard (FIPS) 199 and National Institute of Standards and Technology (NIST) SP 800-60, recommended Security Categorization is LIMITED. The Security Categorization will drive the initial set of minimal security controls required for the information system. Minimum

security control requirements are addressed in NIST SP 800-53 and VA Handbook 6500, Appendix D. All VA Privacy requirements will be respected. Efforts that involve the collection and maintenance of individually identifiable information must be covered by a Privacy Act system of records notice. All Enterprise Identity Management requirements will be respected. These requirements are applicable to any application that adds, updates, or performs lookups on persons. Application/services shall reference the Standard Data Services (SDS) as the authoritative source to access non-clinical reference terminology. Application/Services shall use the VA Enterprise Terminology Services (VETS) as the authoritative source to access clinical reference terminology.

2.14. System Features

The following workflow diagram describes inputs and outputs at a summary level. The specifics of each step in the workflow will be further described in the project's System Design Document (SDD).

Future Fee-IPAC Interface Data Flow



2.15. Usability Specifications

The following list contains examples of usability specifications:

- Training – End Users will require no more than four hours to be trained in the functionality of this enhancement.
- Performance measures – Reduce the average time to issue out-of-network payments for DoD services to 30 days for outpatient claims and 45 days for inpatient claims.

3. Applicable Standards

All standards that apply to the Fee Basis package are applicable to this software update.

These include Software Quality assurance, Change Management, Configuration and Release Management, Risk Management processes as well as the technical standards included in the

profile of the Fee Basis end user workstations, networking standards, data exchange protocols, and usability.

4. Interfaces

There are no new interfaces created in this software update.

4.1. Communications Interfaces

The VistA Fee-IPAC Enhancement project does not introduce any new communications interfaces.

4.2. Hardware Interfaces

The VistA Fee-IPAC Enhancement project does not introduce any new hardware interfaces.

4.3. Software Interfaces

This enhancement does not introduce new software interfaces but rather makes small modifications to existing software interfaces. For example, there is a software interface between the VistA computer system, located at the local Veterans Affairs Medical Center (VAMC) and the Central Fee system located at the Austin Information Technology Center (AITC). The VAMC manages authorizations for veterans to receive healthcare from non-VA vendors. In order for these vendors to receive payment for these services, a record must be established in the Central Fee system for the vendor and an invoice for the rendered services must be sent to Central Fee which contains relevant data elements such as veteran identification data, vendor identification data, dates of service, and clinically-relevant processing data (ICD and CPT data). The exchange of information between the VAMC and AITC is done using the VistA MailMan software package to create, send and receive these messages. These messages are transmitted over the VA network.

To complete the full cycle of clinical claims processing, coordination with the following programs will need to occur to ensure that the correct data flows from the VistA Fee system to the IPAC payment processing system (and back):

- Fee Basis Claims System (FBCS)
- VistA Fee Basis
- Central Fee
- FASPAC
- Enhanced Document Referral Management Tool (eDR)³

³ eDR is a referral management, billing, and analytics software package which is used in Hawaii between the DoD Tripler Army Medical Center (TAMC) and the VA Pacific Islands Healthcare System (VAPIHCS).

As these modifications will need to be completed before a complete ‘end-to-end’ payment processing cycle can be accomplished, all of these programs participate in the IPT.

4.4. User Interfaces

Users will be using the existing VistA Fee Basis application using the ‘roll and scroll’ VistA end user interface.

5. Legal, Copyright, and Other Notices

The VA/DoD VistA Fee-IPAC Interface project makes modifications to an existing VistA application.

6. Purchased Components

The VistA Fee-IPAC Enhancement project does not introduce any new purchased components.

7. User Class Characteristics

Typical end users will have experience with the VistA Fee Basis application and knowledge of data entry and data processing skills commensurate with the collection, management, and reporting of out-of-network healthcare payments/claims.

8. Estimation

The following place holders for the Project Software Functional Size and Size-Based Effort and Duration Estimate 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

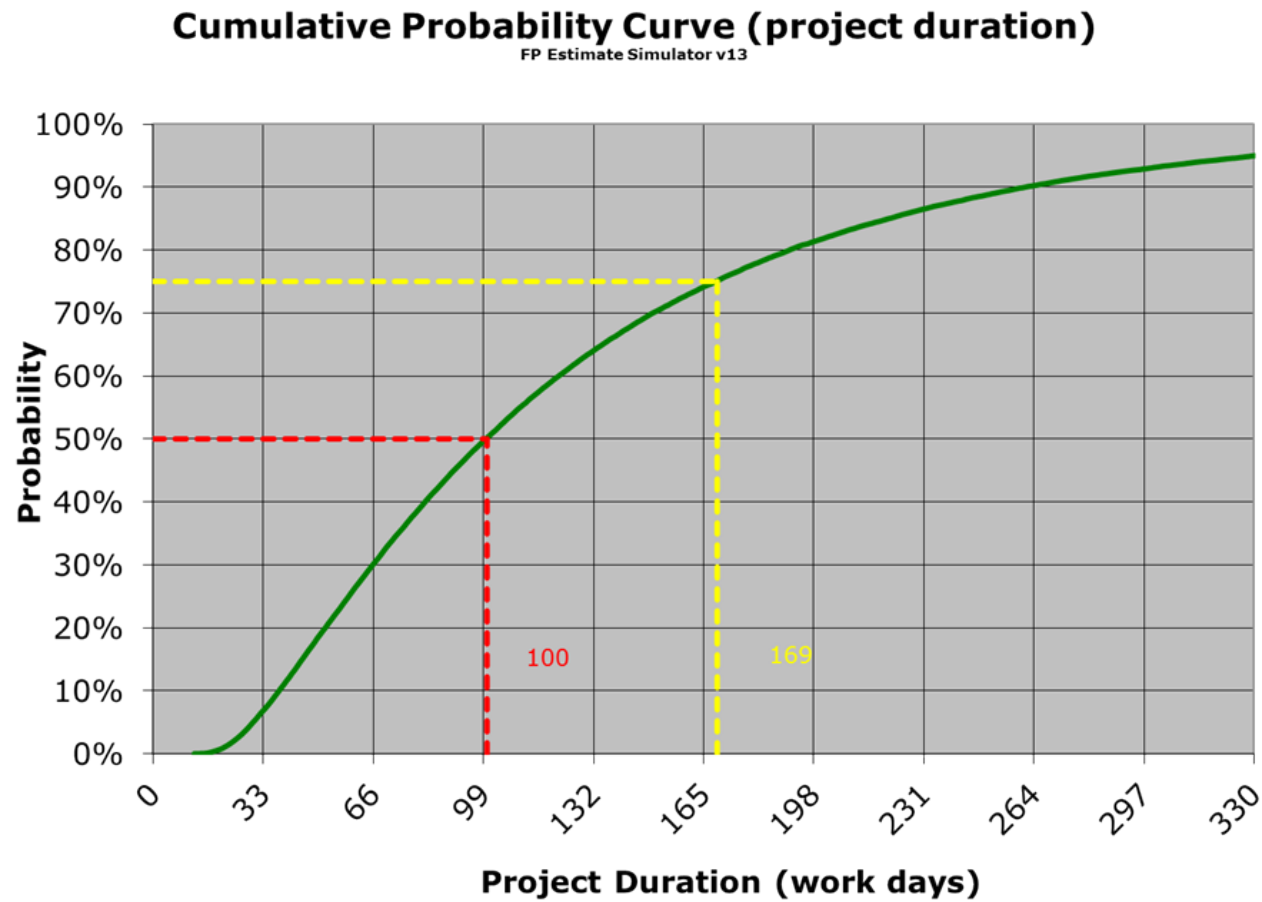
Application

Item	A	B	C	D	E	Total
Counted Function Points	112					112
Estimated Scope Growth	0					0
Estimated Size at Release	112					112

Size-Based Effort Estimates	Labor Hours	Probability
Low-Effort Estimate – With indicated probability, project will consume no more than:	2300	50%
High-Effort Estimate – With indicated probability, project will consume no more than:	4320	75%

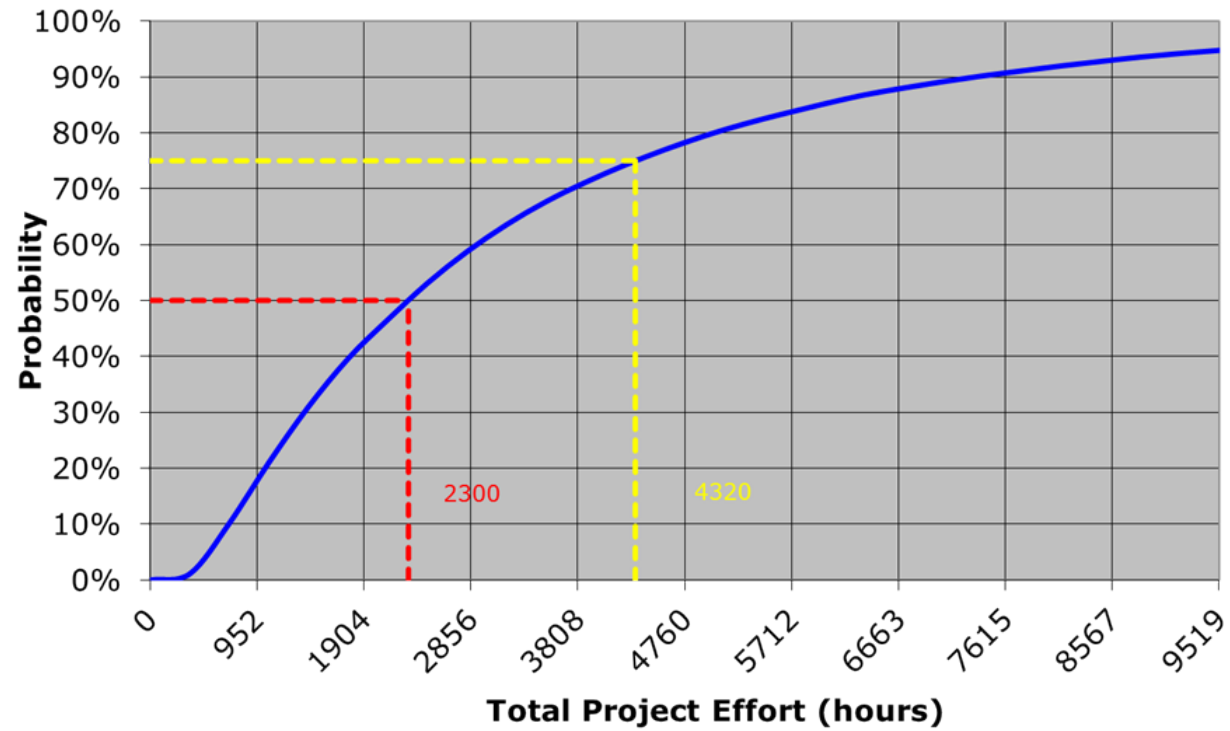
Size-Based Duration Estimates	Work Days	Probability
Low-Duration Estimate – With indicated probability, project will consume no more than:	100	50%
High-Duration Estimate -- With indicated probability, project will consume no more than:	169	75%

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



Cumulative Probability Curve (project effort)

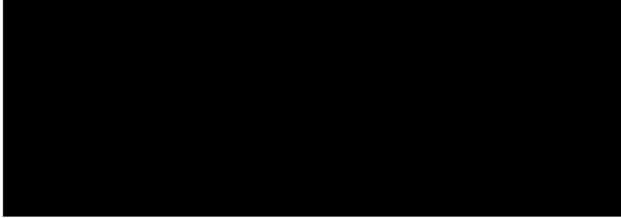
FP Estimate Simulator v13



9. Approval Signatures

REVIEW DATE: *<date>*

SCRIBE: *<name>*



11/20/13

Integrated Project Team (IPT) Chair

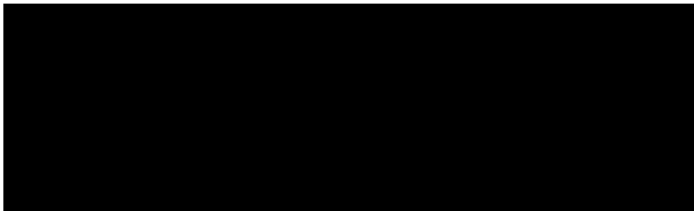
Date



11/20/13

Business Sponsor

Date



11/20/13

IT Program Manager

Date



11/20/13

Project Manager

Date