Patient Statement Enhancements

System Design Document



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Version 1.10

Department of Veterans Affairs

Revision History

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Artifact Rationale

The System Design Document (SDD) is a dual-use document that provides the conceptual design as well as the as-built design. This document will be updated as the product is built, to reflect the as-built product.

When to Complete Each Section of the SDD

| Section | Completed On or Before PMAS Phase | Rationale |
| --- | --- | --- |
| 1 – Introduction | MS 0 Review; updated thereafter | Conceptual design should inform evaluation of investments |
| 2 - Background | MS 0 Review; updated thereafter | Conceptual design should inform evaluation of investments |
| 3 – Conceptual Design | MS 0 Review; updated thereafter | Conceptual design should inform evaluation of investments |
| 4 – System Architecture | MS 0 Review; updated thereafter | Conceptual design should inform evaluation of investments |
| 5 – Data Design | MS 1 Review; updated thereafter | Design details should be elaborated upon during PMAS Planning phase and prior to development |
| 6 – Detailed Design | MS 1 Review; updated thereafter | Design details should be elaborated upon during PMAS Planning phase and prior to development |
| 7 – External System Interface Design | MS 1 Review; updated thereafter | Design details should be elaborated upon during PMAS Planning phase and prior to development |
| 8 – Human Machine Interfaces | MS 1 Review; updated thereafter | Design details should be elaborated upon during PMAS Planning phase and prior to development |
| Attachments | MS 1 Review; updated thereafter | Design details should be elaborated upon during PMAS Planning phase and prior to development |

A product’s system design should be defined conceptually prior to the allocation of personnel and resources that occur at project initiation. This gives the enterprise an opportunity to evaluate IT investments before project teams are stood up and funding is allocated. Sections 1- 4 which discuss the high level design should be completed prior to MS 0. All sections should be completed and updated before MS 1. Projects will need to address all SDD approval constraints prior to the MS 2 review. In addition, the SDD should reflect the as-built product going into the MS 2 review.

Instructions

| Activity | New Capability (1) | Feature Enhancement (2) |
| --- | --- | --- |
| Field Deployment (A) | No | Yes |
| Cloud/Web Deployment (B) | No | No |
| Mobile Application (C) | No | No |

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# Introduction

The remediation of the Veterans Health Information Systems Technology Architecture (VistA) Accounts Receivable (AR) process is required to provide a consolidated and easily readable patient statement from multiple treatment facilities during a monthly cycle. Enhancements to the AR system will increase Veteran satisfaction by mitigating concerns raised by Veterans Service Organizations (VSO) and individual Veterans, who have provided feedback to the Department of Veterans Affairs (VA) regarding poor customer service and poor business practices. Future development activities are dependent on Phase 1 and Phase 2 enhancements, as these enhancements will deploy best practices in financial and business processes, and align with the VA initiative to build Veterans Record Management (VRM) capability to enable convenient, and seamless interactions.

The PSE project includes 3 development phases across 5 increments. Phase 1 will remediate existing payment cycle deficiencies and include an auto-correction job. Phase 1 will be coded and initial SQA testing will be performed in Increment 1. Phase 1 final Software Quality Assurance (SQA), User Functionality Testing (UFT), Initial Operability Capability (IOC), and deployment will be in Increment 3.

Phase 2 includes the creation of the consolidated billing statement. Phase 2 will be coded and initial SQA testing will be performed in Increment 2. Phase 2 final SQA, UFT, IOC, and deployment will be in Increment 3.

Phase 3 includes making the billing statements available on-line through the My HealtheVet (MHV) portal and for the generation of the Annual Patient Payment Summary (APPS) statement. Phase 3 will be coded and initial SQA testing will be performed in Increment 4. Phase 3 final SQA, UFT, IOC, and deployment will be in Increment 5.

The tables in this section identify the full scope of the PSE project by Increment.

## Scope

The Veterans Health Administration (VHA) Chief Business Office (CBO) is requesting remediation of deficiencies in the VistA AR package which cause patient statements to not print and resolution to the root cause of 3 specific issues. Items considered in scope for Phase I are listed below:

1. Development and installation of an automated process for the detection and tracking of discrepancies that prevent a patient statement from processing.
2. Remediation of the root cause for the following discrepancies that prevent a patient statement from processing:

* Transaction amount missing
* Duplicate transaction
* Incomplete status

1. For 17 specific Station ID’s the SITE STATEMENT DAY field in the AR PARAMETER file will be updated.

## User Profiles

The user base consists of Department of Veterans Affairs (VA) employees and contractors who routinely use the VistA AR package, as well as employees of the Consolidated Patient Accounting Centers (CPAC). Users also include call center workers who handle inquiries about patient statements, as well as Agent Cashiers who accept payments on these statements.

# Background

## Overview of the System

The core of the system to be modified is the Accounts Receivable (AR) module of VistA. AR interacts with other financial systems and user organizations in the Department of Veterans Affairs, but the changes required for Phase 1 of the Patient Statement Enhancements project will be located in VistA AR.

## Overview of the Business Process

Phase 1 of the Patient Statement Enhancement project is to provide the capability to resolve out of balance discrepancies that now prevent patient statements from printing. This capability will be automated to the extent possible and will minimize the need for manual intervention to provide balance corrections. Out of balance discrepancies that have been corrected by the system will be documented in an Auto-Correction Report that will be created as part of this project. This report will allow an audit trail to be maintained for these automated balance corrections.

These changes have been described in more detail in the Requirements Specification Document for Patient Statement Enhancements Phase 1, currently available in Version 1.2.

The current Requirements Specification Document for the Patient Statement Enhancements Project is PSE Phase 1\_RSD\_Draft and can be accessed on the VA SharePoint site for the PSE project at the link below.

http://DNS DNS .DNS /pm/hape/HAPEPortfolioPMO/PatientStatementEnhancement/default.aspx

## Overview of the Significant Requirement

Table 1: Business Rules

| Business Rules (Auto-Correction Job) |
| --- |
| **Background Job** - Auto-correction will function as a tasked job.  **Option** - The job can be run on-demand.  **Post-Init** - The initial job run will occur immediately after patch installation.  **Auto-Correction - Option**  Execute functionality “on-demand”  The new PRCA STATEMENT AUTO-CORRECTION security key will be provided to limit access to the auto-correction option.  **Auto-Correction - Background Job**  Will be parameter-based (set up in the AR site parameters file)  **Scheduling (When should the job run?)**  Initial discussion – Once a week…on the weekend…at night  Decision by consensus – TBD during site testing based on how long the job runs  **Post Init** – Immediate auto-correction wanted after the patch installation |
| Layout - Auto-Correction Report |
| **Changes to the Auto correction report requested by the workgroup:**  **Displays only the last 4 digits of the Social Security Number (SSN)**  **Sort by SSN was not needed**  **Provide a date range to run the report**  **Description: Draft Auto Correction Patient Discrepancy Report**  **User can run the report from an option**  **User can enter a date range which is for the date of auto-correction**  **The report will display only the last 4 digits on the SSN**  **The Statement Discrepancy Listing will provide what was NOT auto-corrected (existing report)** |

# Conceptual Design

## Conceptual Application Design

Not applicable.

### Application Context

For Phase 1, the existing deficiency resolution flow has been defined:

Description: Existing deficiency resolution flow diagram

Figure 3‑1: Existing Deficiency Resolution Flow

Further discussion has defined the changes proposed for Phase 1, including the auto-correction job and the report that summarizes the auto-correction afterwards. These changes are described under Section [2.3](#_Overview_of_the) above.

The diagram that follows shows the systems and organizations that generate patient statements for veterans and process their payments. For Phase 1 of Patient Statement Enhancements, the only entities directly involved in statement preparation, production and delivery are the station or medical center that prepares the statement record, and the Consolidated Co-payment Processing Center (CCPC) to which statement records that are in balance are sent for printing and mailing.

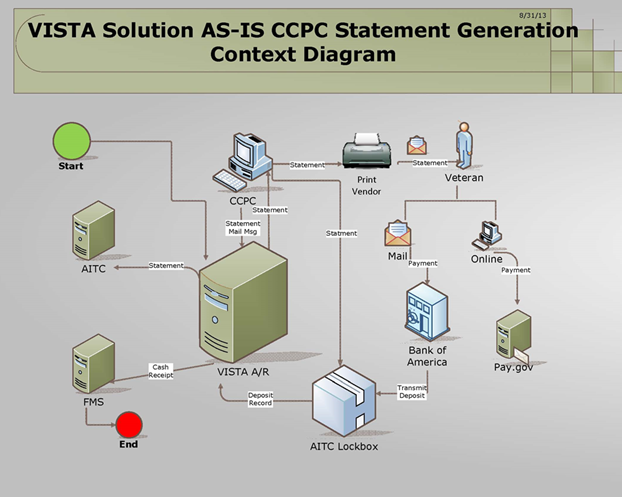


Figure 3‑2: AS-IS PSE Diagram 1

Table 2: Application Context Description

| ID | Name | Description | Interface Name | Interface System |
| --- | --- | --- | --- | --- |
| VistA A/R | VistA Station | Sends patient statement record information to be printed and mailed. | Statement | MailMan |
| CCPC | Consolidated Co-payment Processing Center | Prints and mails patient statements to veterans. |  |  |

Interfaces External to OI&T

| ID | Name | Related Object | Input Messages | Output Messages | External Party |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

Interfaces Internal to OI&T

| ID | Name | Related Object | Input Messages | Output Messages | External Party |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

Externally Shared Data Stores

| ID | Name | Data Stored | Owner | Access |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

### High-Level Application Design

For Phase 1 of Patient Statement Enhancements, a good starting point is the existing Accounts Receivable menu option, Statement Discrepancy Listing, which is entered in the OPTION File (#19) as PRCA DISC LIST. This option compares bill balances with transaction balances and flags accounts for which the two do not match.

Since this is an established option, its logic should be studied to determine if it can be used to meet some of the requirements of PSE Phase 1. Auto corrections that are performed by Phase 1 should result in the out-of-balance flag being cleared when checked by the routines invoked by this option.

This option should also be studied to determine if its performance could be enhanced by restricting the range of accounts checked, by date, account status, or some other parameter, keeping in mind the requirements for PSE Phase 1.

Objects / Components to be Built or Modified

Table 3: Objects in the High Level Application Design

| ID | Name | Description | Service or Legacy Code | External Interface Name | External Interface ID | Internal Interface Name | Internal Interface ID | SDP Sections 1&2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Auto Correct Account Balance Discrepancy | Tasked job to correct statement discrepancies if possible |  |  |  |  |  |  |
|  | Auto-Correct Patient Discrepancy Report | Details of statement record and how it was corrected (or not) |  |  |  |  |  |  |

Internal Data Stores

| ID | Name | Data Stored | Steward | Access |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

### Application Locations

Table 4: Application Locations

| Application Component | Description | Location at Which Component is Run | Type |
| --- | --- | --- | --- |
| Auto Correction Job | Tasked job | VA Station, CPAC | Local and regional |
| Auto Correction Report | Report | VA Station, CPAC | Local and regional |

Table 5: Application Users

| Application Component | Location | User |
| --- | --- | --- |
| Auto Correction Job | VA Station, CPAC | Facility Revenue Technician |
| Auto Correction Report | VA Station, CPAC | Facility Revenue Technician |

## Conceptual Data Design

### Project Conceptual Data Model

Not applicable.

### Database Information

Table 6: Database Inventory

| Database Name | Description | Type | Steward |
| --- | --- | --- | --- |
| VistA | Accounts Receivable | Modify | VA Station, CPAC |

### User Interface Data Mapping

#### Application Screen Interface

The application has no GUI. All VistA screens are ‘roll and scroll’; however, this section outlines the main modifications to the Auto-Correct Patient Discrepancy Report. The three auto-correction types provided for this report are the incomplete transactions (“I”), duplicate transactions (“D”), and null transactions (“N”). These correction types provided for a specific transaction entry will be recorded in the new AUTO-CORRECTION TYPE OF ERROR (#96) field that is being added to corrected entries in the AR TRANSACTION File (#433).

Figure 3‑3 : Auto-Correct Patient Discrepancy Report

**1 - SORTED BY BILL NO.**

PAGE 1 BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY BILL NO.) AUG 20, 2015

--------------------------------------------------------------------------------

BILL NO. DEBTOR SSN TRANS NUM AUTO-C DATE AUTO-CORCT REASON

----------- ------------------ ---- --------- ----------- -----------------

442-K000FQ ACSCUREN,TSTZALO C 1627 4525262 APR 28,2015 DUPLICATE TRANSAC

442-K111AA ACSAER,TSTANT CHEE 0411 123456789 APR 28,2015 NULL TRANSACTION

442-K111BB ACSAER,TSTANT CHEE 0411 987654321 APR 28,2015 OTHER

442-K111DDD ACSEK,TSTCEL CHEUG 0092 8793333 MAY 5,2015 INCOMPLETE FLAG E

**2 -SORTED BY DEBTOR**

PAGE 1 BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY DEBTOR) AUG 20, 2015

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DEBTOR BILL NO. SSN TRANS NUM AUTO-C DATE AUTO-CORCT REASON

------------------ ----------- ---- --------- ----------- -----------------

ACSAER,TSTANT CHEE 442-K111AA 0411 123456789 APR 28,2015 NULL TRANSACTION

ACSAER,TSTANT CHEE 442-K111BB 0411 987654321 APR 28,2015 OTHER

ACSCUREN,TSTZALO C 442-K000FQ 1627 4525262 APR 28,2015 DUPLICATE TRANSAC

ACSEK,TSTCEL CHEUG 442-K111DDD 0092 8793333 MAY 5,2015 INCOMPLETE FLAG E

**3 - SORTED BY AUTO-CORRECT DATE**

PAGE 1 BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY AUTO-C DATE) AUG 20, 2015

--------------------------------------------------------------------------------

AUTO-C DATE DEBTOR BILL NO. SSN TRANS NUM AUTO-CORCT REASON

----------- ------------------ ----------- ---- --------- -----------------

APR 28,2015 ACSAER,TSTANT CHEE 442-K111AA 0411 123456789 NULL TRANSACTION

APR 28,2015 ACSAER,TSTANT CHEE 442-K111BB 0411 987654321 OTHER

APR 28,2015 ACSCUREN,TSTZALO C 442-K000FQ 1627 4525262 DUPLICATE TRANSAC

MAY 5,2015 ACSEK,TSTCEL CHEUG 442-K111DDD 0092 8793333 INCOMPLETE FLAG E

**4 -SORTED BY TRANSACTION NUMBER**

PAGE 1 BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY TRANS NO.) AUG 20, 2015

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TRANS NUM DEBTOR BILL NO. SSN AUTO-C DATE AUTO-CORCT REASON

--------- ------------------ ----------- ---- ----------- -----------------

4525262 ACSCUREN,TSTZALO C 442-K000FQ 1627 APR 28,2015 DUPLICATE TRANSAC

8793333 ACSEK,TSTCEL CHEUG 442-K111DDD 0092 MAY 5,2015 INCOMPLETE FLAG E

123456789 ACSAER,TSTANT CHEE 442-K111AA 0411 APR 28,2015 NULL TRANSACTION

987654321 ACSAER,TSTANT CHEE 442-K111BB 0411 APR 28,2015 OTHER

#### Application Report Interface

Table 7: Description

| Report Column | Data Source |
| --- | --- |
| BILL NO. (#.01) | ACCOUNTS RECEIVABLE File (#430) |
| DEBTOR (#.01) | AR DEBTOR File (#340) |
| SSN (#110) | AR DEBTOR File (#340) |
| TRANS NUM (#.01) | AR TRANSACTION File (#433) |
| AUTO-C DATE (#94) | AR TRANSACTION File (#433) |
| AUTO-CORCT REASON (#96) | AR TRANSACTION File (#433) |

#### Unmapped Data Element

There is no unmapped data.

## Conceptual Infrastructure Design

The Consolidated Patient Statement Discrepancy Auto-Correction Program has a conceptual infrastructure similar to the Statement Discrepancy Listing. Patient accounts are examined for mismatches between patient accounts and transaction amounts. Attempts are made to correct transactions for a limited number of known conditions which create account imbalances.

### System Criticality and High Availability

Phase 1 of Patient Statement Enhancements (PSE) application addresses defect fixes and enhancements for an existing VistA application (VistA/AR) and do not introduce or change VistA architecture/Hardware/system performance/LAN impact/Security and do not introduce any new service/application dependencies for VistA or the corresponding AR package(s).

Phase 1 of Patient Statement Enhancements (PSE) is a high level VistA AR patch that has multiple system dependencies, each of which should have its own recovery plan. Following release, the PSE Phase 1 patch, PRCA\*4.5\*307, may be obtained by file transfer from remote sites that are listed in its installation instructions. Following the mandated installation date for the patch, it will be included in future VistA releases and be available whenever VistA is updated or restored. Since the patch will correct only transactions that have occurred since the last patient statement date, a current AR TRANSACTION File (#433) should also be available to process.

### Special Technology

Table 8: Special Technology Requirements

| Special Technology | Description | Notional Location | TRM Status |
| --- | --- | --- | --- |
|  |  |  |  |

### Technology Locations

Table 9: Technology Location Details

| Technology Component  Production 1 | Location | Usage |
| --- | --- | --- |
| Workstations |  |  |
| Special Hardware |  |  |
| Interface Processors |  |  |
| Legacy Mainframe |  |  |
| Legacy Application Server |  |  |
| Legacy Databases | VAMC VistA | VAMC, CPAC |
| Other |  |  |

| Technology Component  Production 2 | Location | Usage |
| --- | --- | --- |
|  |  |  |

| Technology Component  Certification | Location | Usage |
| --- | --- | --- |
|  |  |  |

| Technology Component  Education | Location | Usage |
| --- | --- | --- |
|  |  |  |

| Technology Component  Test | Location | Usage |
| --- | --- | --- |
|  |  |  |

| Technology Component  Development | Location | Usage |
| --- | --- | --- |
|  |  |  |

### Conceptual Infrastructure Diagram

#### Location of Environments and External Interfaces

#### Conceptual Production String Diagram

# System Architecture

## Hardware Architecture

Phase 1 of Patient Statement Enhancements will be embedded within the Accounts Receivable package of VistA and will therefore run on whatever hardware is currently supporting VistA.

## Software Architecture

The software for Phase 1 of Patient Statement Enhancements will be issued in the form of a patch to the Accounts Receivable package of VistA and will operate within the VistA AR environment.

## Network Architecture

PSE Phase 1 will operate within the existing network architecture that supports VistA installations for the VA.

## Service Oriented Architecture / ESS

PSE Phase 1 is intended to automatically correct statement balance discrepancies that prevent patient statements from printing. This will facilitate the successful completion of the tasks for which the statement processing systems were designed.

## Enterprise Architecture

PSE Phase 1 shares the attributes of the VistA Accounts Receivable packages into which it will be incorporated.

# Data Design

Phase 1 of Patient Statement Enhancements will work within the existing file structure of VistA AR. Specifically, fields will be updated as necessary within the AR TRANSACTION File (#433) in order to correct balance discrepancies and allow those statements to be printed.

One such field is the INCOMPLETE TRANSACTION FLAG (#10). If duplicate transactions are found on the patient statement, this flag will be set for the newer of the two transactions in order to inactivate it.

A second such field is the TRANS. AMOUNT (#15). If this field is found to be empty or to contain an incorrect value for which an explanation can be determined, a corrected transaction amount will be entered to bring the patient statement back into balance.

## DBMS Files

Not applicable.

## Non-DBMS Files

Not applicable.

## Data View

Not applicable.

# Detailed Design

## Hardware Detailed Design

Not applicable.

## Software Detailed Design

Not applicable.

### Conceptual Design

Not applicable.

#### Product Perspective

Not applicable.

##### User Interfaces

The intended users of the Consolidated Patient Statement software are the AR staff located at the VAMCs and CPACs, who are responsible for managing the Patient Statement generation.

##### Hardware Interfaces

This section is not applicable to this project.

##### Software Interfaces

The Consolidated Patient Statement functionality will use the VA Mailman for data transfer.

##### Communications Interfaces

##### Memory Constraints

No limits on memory or partition size will exist for the Consolidated Patient Statement.

##### Special Operations

No special operations are required by the user or for external devices or COTS systems.

#### Product Features

The Patient Statement auto-correction functionality will be provided by VistA AR patch PRCA\*4.5\*307. The post-install portion of the patch will update the SITE STATEMENT DAY field (#.11) for 17 specific Station ID’s in the AR PARAMETER file (#342). Refer to Section 6.2.2.2 for more detail on the product features.

#### User Characteristics

The intended users of the Consolidated Patient Statement software are the AR staff located at the VAMCs and CPACs, who are responsible for managing the Patient Statement generation.

#### Dependencies and Constraints

No dependencies or constraints exist that will limit the developer’s options. Refer to Section 6.2.2.2 for more detail on the requirements.

### Specific Requirements

#### Database Repository

The following table identifies all databases that will be modified as part of this project.

Table 10: Database Inventory

| Database Name | Description | Type | Steward |
| --- | --- | --- | --- |
| AR Transaction file #433 | Holds the Accounts Receivable transactions. | Modify | Accounts Receivable package |

#### System Features

This sub-section outlines the functional specifications for the Consolidated Patient Statement.

Table 11: Functional Specifications

|  |  |
| --- | --- |
| ACJ001 | The AR application shall execute Auto-Correction functionality that detects and remediates the following 3 types of discrepancies:   * Transaction amount missing * Duplicate transaction * Incomplete status |
| ACJ002 | The Auto-Correction functionality shall be a tasked job that runs in the background of the Accounts Receivable application. The job will be initially scheduled to run every Wednesday at 1:00 AM local time, before the CCPC job runs. The scheduling may change based on how long the job runs during site testing |
| ACJ003 | The AR application shall include an option to execute the Auto-Correction job, so that it can be run on demand. There shall be a user prompt indicating "Requested Time To Run: NOW/" so the user can run the job immediately (NOW) or queue the job to run at a future date and time. |
| ACJ004 | The AR application shall provide a security key to run the Auto-Correction job by an option. The new security key name will be PRCA AUTOCRCT PGM. |
| ACJ005 | The Auto-Correction job shall run after patch installation, so that auto-correction of discrepancies begins immediately. |
| ACJ006 | The Auto-Correction job shall execute Business Rules for Balancing Accounts to determine if an account is in balance. |
| ACJ007 | If a missing dollar amount in the TRANS AMOUNT field (#15) of the AR Transaction file (#433) causes a patient’s account to be out-of-balance, then the Auto Correction Job shall correct the out-of-balance by entering the amount in the TRANS AMOUNT field (#15)  Note: This requirement may be modified as work on the auto-correction continues. |
| ACJ008 | If a duplicate transaction in the AR Transaction file (#433) causes a patient’s account to be out-of-balance, then the Auto Correction Job shall correct the out-of-balance by setting the INCOMPLETE STATUS FLAG field (#10) to a value of 1.  Note: If a transaction in AR file (#433) contains data that is identical to that of a previous transaction except for the transaction number then the transaction is a duplicate.  Note: This requirement may be modified as work on the auto-correction continues |
| ACJ009 | If one or more transactions in the AR Transaction file (#433) has the INCOMPLETE STATUS FLAG set to 1, and causes a patient’s account to be out-of-balance, then the Auto Correction Job shall correct the out-of-balance by removing the value of 1 in the INCOMPLETE STATUS FLAG field (#10)  If the system cannot determine the transactions for removing the flag, the account will be referred for manual processing. The Patient Statement will remain out of balance after the Auto-Correction and will be listed on the CCPC Statement Errors report when it is run.  Note: This requirement may be modified as work on the auto-correction continues |
| ACJ010 | The Auto-Correction job shall execute business rules based on Manual Steps To Resolve Any Discrepancy (see RSD) to remediate the following 3 types of discrepancies:   * Transaction amount missing * Duplicate transaction * Incomplete status |
| ACJ011 | The Auto-Correction job shall send a message to the Mailman Mail Group PRCACPS when the job has completed. |
| ACR001 | The AR application shall create an Auto-Correction report that tracks the following 3 types of balance discrepancies:   * Transaction amount missing * Duplicate transaction * Incomplete status |
| ACR002 | The Auto-Correction Report shall list the discrepancy details that were remediated by the Auto-correction job and display a reason for auto-correction. |
| ACR003 | The Auto-Correction Report shall list the discrepancy details that could not be remediated by the Auto-Correction job and display “Other Error” as the reason why the discrepancy could not be resolved through this process. |
| ACR004 | The Auto-Correction report shall display only the last 4 digits of the Social Security Number (SSN). |
| ACR005 | The AR application shall prompt the user to enter a FROM and TO date for the Auto-Correction Report. |
| ACR006 | The Auto-Correction Report shall provide a default FROM date value of “T-7”. |
| ACR007 | The Auto-Correction Report shall provide a default TO date value of “T”. |
| ACR008 | The AR application shall prompt the user to sort the Auto-Correction Report by the following parameters:   * Bill number * Debtor name * Transaction number * Auto-Correction Date |
| ACR009 | The Auto-Correction report shall display the following information with corresponding headers:   * BILL NO. * DEBTOR * SSN * TRANS NUM * AUTO-CORCT DATE * AUTO-CORCT REASON |
| ACR010 | The Auto-Correction report main header shall read  “BILLS THAT HAVE BEEN AUTO-CORRECTED” |
| ACR011 | The Auto-Correction report will have the following menu path:  Clerk’s AR Menu  Account Management  Auto-Correct Patient Discrepancy Report |
| ACR012 | The Auto-Correction Report shall pause and display a “Continue” prompt at the end of the report if the report needs to span to another page on the user VistA screen. |
| US003 | As a VistA user, I want my VistA site to build and transmit patient billing statement files that are sent to AITC prior to the 26th of each month so that when consolidated patient statement functionality is implemented there is a window at the end of the prior month when all statement data has been processed for billing.  STATION # STATION NAME DATE  ----------------------------------  438 SIOUX FALLS,SD 21  501 ALBUQUERQUE,NM 21  504 AMARILLO,TX 21  542 COATESVILLE,PA 21  562 ERIE,PA 21  568 FORT MEADE,SD 21  649 PRESCOTT,AZ 21  656 ST. CLOUD,MN 21  688 WASHINGTON,DC 21  756 EL PASO,TX 21  565 FAYETTEVILLE,NC 22  621 MOUNTAIN HOME,TN 22  658 SALEM,VA 22  664 SAN DIEGO,CA 22  671 SAN ANTONIO,TX 22  689 WEST HAVEN,CT 22  740 TX VALLEY CSTL,TX 22 |

#### Design Element Tables

Not applicable.

##### Routines (Entry Points)

The new PRCACPS routine will correct patient statement balances (current and the new consolidated Patient Statements) where possible and then generate the auto-correction summary report described by the PSE specifications. The date range being examined is determined through the use of two previously established APIs:

The LST^PRCAGU API returns the last statement date before the statement being sent. PBAL^PRCAGU returns the previous balance and the date of the last transaction.

For each patient statement (existing patient statements and the new consolidated patient statements-CPS), the bill balance and transaction balances are calculated and compared, using previously developed methods for checking for balance discrepancies. If the new statement is found to be out of balance, further analysis is performed to determine the cause of the discrepancy. Records will not be reviewed for debtors with unknown mailing addresses or local Integration Control Numbers (ICNs). These ICNs (#991.01) are stored in the PATIENT File (#2).

The fields of interest within the transaction record are:

INCOMPLETE TRANSACTION FLAG (#10)

TRANSACTION DATE (#11)

TRANS. AMOUNT (#15)

Transaction records that are selected for correction are logged into a temporary file that is used to generate the auto-correction report. Entries for the Patient Statements Auto-Correction Report will be filed under the PRCAGTPS label. They will then be filed in an ordered array by:

Number of the job that is creating the report ($J)

AR DEBTOR File (#340) Internal Entry Number (IEN)

Bill Number – IEN for ACCOUNTS RECEIVABLE File (#430)

Transaction Number – From the AR TRANSACTION file (#433) entry for this bill #.

After changes have been made to a transaction entry to correct a statement discrepancy, the following fields will be added to the transaction record to document the changes:

AUTO-CORRECTION DATE (#94)

AUTO-CORRECTION TRANS. AMOUNT (#95)

AUTO-CORRECTION TYPE OF ERROR (#96)

Table 12: Routine : PRCACPS

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| Routine Name | PRCACPS | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RTM | ACJ001-ACJ010, ACR001-ACR011 | | | |
| Related Options | Patient Statement Auto-Correction Program, Auto-Correct Patient Discrepancy Report | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  |  | $$LST^RCFN01  $$CRC32^XLFCRC  EN1^DIP  ^DIR  $$FMTE^XLFDT  $$UPPER^VALM1  %ZTLOAD  %ZIS |

| Routines | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| Data Dictionary (DD) References | ACCOUNTS RECEIVABLE File (#430)  AR TRANSACTION File (#433)  AR DEBTOR File (#340) | | | | |
| Related Protocols |  | | | | |
| Related Integration Control Registrations (ICRs) |  | | | | |
| Data Passing | Input | Output Reference | Both | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition: | | | | |
| Output Attribute Name and Definition | Name:  Definition: | | | | |

| Current Logic |
| --- |
|  |

| Modified Logic (Changes are in bold) |
| --- |
| PRCACPS ;ALBANY/BDB-PATIENT STATEMENTS AUTO-CORRECTION ;09/21/15 3:34 PM  ;;4.5;Accounts Receivable;\*\*307\*\*;Mar 20, 1995;Build 14  ;;Per VA Directive 6402, this routine should not be modified.  ;  Q  ; BEGIN ;  N ZTDTH,ZTIO,ZTDESC,ZTRTN,ZTSK  W !,"Queue the patient statement discrepancies auto-correction program to run:"  S ZTDESC="Auto-Correct Patient Statement Discrepancies"  S ZTRTN="START^PRCACPS",ZTIO=""  D ^%ZTLOAD  Q  ; START ;  N DEBTOR,X,DEBTOR0,DEBTOR1  S DEBTOR=0  F  S DEBTOR=$O(^PRCA(430,"C",DEBTOR)) Q:DEBTOR'?1N.N  D  .S BALDIFF=0  .S DEBTOR0=$G(^RCD(340,DEBTOR,0)),DEBTOR1=$G(^(1))  .Q:$P(DEBTOR0,"^")'["DPT("  .Q:$P(DEBTOR1,"^",9)=1 ; quit if debtor address marked unknown  .D ENTER(DEBTOR)  .D START1  .Q:BALDIFF=0  .D START2  .K BALDIFF  D USRMSG  Q  ; ENTER(DEBTOR) ;  S (PBAL,BBAL,TBAL)=0 K ^TMP("PRCAGTPS",$J)  S DAT=$$LST^RCFN01(DEBTOR,2) I DAT<1 S DAT=0  I DAT S DAT=9999999.999999-DAT D PBAL^PRCAGU(DEBTOR,.DAT,.PBAL)  D EN(DEBTOR,DAT)  K BBAL,TBAL,DAT  Q  ; EN(DEBTOR,BEG,END,TTY) ;  NEW Y  S:$G(BEG)="" BEG=0 I $G(END)="" D NOW^%DTC S END=%  S TTY=$G(TTY) I TTY="" D F430  D F433 Q Q F430 ;  NEW DAT,BN  S DAT=BEG F  S DAT=$O(^PRCA(430,"ATD",DEBTOR,DAT)) Q:('DAT)!(DAT>END) S BN=0 F  S BN=$O(^PRCA(430,"ATD",DEBTOR,DAT,BN)) Q:'BN  D  .;ADD THE ORIGINAL AMOUNT IF IT WITHIN DATE RANGE BASED ON THE DATE OF THE LAST STATEMENT   .I $P(^PRCA(430,BN,0),U,3) S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,BN,0)=$P(^PRCA(430,BN,0),"^",3)\_"^0"  Q F433 ;  NEW DAT,TN  F DAT=BEG:0 S DAT=$O(^PRCA(433,"ATD",DEBTOR,DAT)) Q:('DAT)!(DAT>END) F TN=0:0 S TN=$O(^PRCA(433,"ATD",DEBTOR,DAT,TN)) Q:'TN  D  .S TCMPLT="",TMBSNC="",TRDMRD="",COMM=0  .S TN0=$G(^PRCA(433,TN,0)) Q:TN0=""  S TN1=$G(^PRCA(433,TN,1))  .S TN3=$G(^PRCA(433,TN,3))  .I $P(TN1,U,2)="" Q  ;MISSING TRANS TYPE  .I $P(TN0,U,10)=1 S TCMPLT=1  .I $P(TN1,U,2)=45 S COMM=1 G F433A  .I $G(TTY)'="" Q:TTY'=$P(TN1,U,2)  .I TTY="",",3,4,5,6,7,24,25,30,"[(","\_$P(TN1,U,2)\_",") Q  .I ($P(TN0,U,2)="")!($P(TN0,U,4)'=2) Q  .I $G(PRCAHIST)="THIST",$P(TN1,U,2)=45 G F433A  .I $P(TN1,"^",2)'=46,$P(TN1,"^",2)'=47 D  I TN1="" Q  . . N RCTRANDA,RCSTOP,TRANTYPE  . . S RCSTOP=0  . . S RCTRANDA=TN F  S RCTRANDA=$O(^PRCA(433,"C",+$P(TN0,"^",2),RCTRANDA),-1) Q:'RCTRANDA  D  I RCSTOP Q  . . . I $P($G(^PRCA(433,RCTRANDA,0)),"^",4)'=2 Q  . . . S TRANTYPE=$P($G(^PRCA(433,RCTRANDA,1)),"^",2)  . . . I TRANTYPE=46 S RCSTOP=1 Q  . . . I TRANTYPE=47 S RCSTOP=1,TN1="" Q F433A .  .S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)=$P(TN1,U,5)\_U\_$P(TN1,U,2)\_U\_$P(TN3,U,1)\_U\_$P(TN3,U,2)\_U\_$P(TN3,U,3)\_U\_$P(TN3,U,4)\_U\_$P(TN3,U,5)  .S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)=^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)\_U\_($P(TN3,U,1)+$P(TN3,U,2)+$P(TN3,U,3)+$P(TN3,U,4)+$P(TN3,U,5))  .S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)=^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)\_U\_TCMPLT  .S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)=^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)\_U\_TRDMRD  .S ^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)=^TMP("PRCAGTPS",$J,DEBTOR,DAT,$P(TN0,U,2),TN)\_U\_TMBSNC  .K TN0,TN1,TN3,TCMPLT,TRDMRD,TMBSNC,COMM  S DAT=0 F  S DAT=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT)) Q:'DAT  S END=DAT  Q "QUIT"  ; START1 ;  ;  S BILL=""  S CBALTOT=0  F  S BILL=$O(^PRCA(430,"C",DEBTOR,BILL)) Q:BILL'?1N.N  D  .S BN0=$G(^PRCA(430,BILL,0))  .I ($P(BN0,U,8)'=16)&($P(BN0,U,8)'=26) Q  ;not active or open  .S CBALTOT=CBALTOT+$$GET1^DIQ(430,BILL,11)  N DAT,I,BILL,TN,TRANSTOT,TNVAL,TTYPE  S DAT=0,BILL=0,TN="",TRANSTOT=0,TTYPE=0,TNVAL=0  F  S DAT=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT)) Q:DAT=""  D  .F  S BILL=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL)) Q:BILL=""  D  ..S TN="" F  S TN=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN)) Q:TN=""  D  ...I TN=0 S TRANSTOT=TRANSTOT+^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN) Q  ;original amt  ...S TNVAL=+^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN)  ...S TTYPE=+$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,2)  ...S TCMPLT=+$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,9)  ...I TCMPLT S TNVAL=0 ;W " TCMPLT= ",TCMPLT  ...S TMBSNC=$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,11)  ...I TMBSNC S TNVAL=0  ...I (TTYPE=3)!(TTYPE=4)!(TTYPE=5)!(TTYPE=6)!(TTYPE=32)!(TTYPE=25)!(TTYPE=33) S TNVAL=0  ...I TTYPE=2!(TTYPE=8)!(TTYPE=9)!(TTYPE=10)!(TTYPE=11)!(TTYPE=14)!(TTYPE=29)!(TTYPE=34)!(TTYPE=35)!(TTYPE=41)!(TTYPE=47) S TNVAL=-TNVAL  ...S TRANSTOT=TRANSTOT+TNVAL  S BALDIFF=CBALTOT-TRANSTOT-PBAL  K CBALTOT,TRANSTOT  Q  ; START2 ;  N DAT,I,BILL,TN,TRANSTOT,TNVAL,TTYPE,TCPLT,STOP,TRANCRNT,TRANPREV  S DAT=0,BILL=0,TN="",TRANSTOT=0,TTYPE=0,TNVAL=0,STOP=0  F  S DAT=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT)) Q:DAT=""  Q:STOP=1 D  .F  S BILL=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL)) Q:BILL=""  Q:STOP=1 D  ..S TN="" F  S TN=$O(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN)) Q:TN=""  Q:STOP=1 D  ...I TN=0 S TRANSTOT=TRANSTOT+^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN) Q  ...S TNVAL=$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,1)  ...S TTYPE=+$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,2)  ...S TCPLT=+$P($G(^PRCA(433,TN,0)),U,10)  ...S TRDMRD=$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,10)  ...S TMBSNC=$P(^TMP("PRCAGTPS",$J,DEBTOR,DAT,BILL,TN),U,11)  ...I TNVAL=BALDIFF I TCPLT D  Q:STOP  ....I (TTYPE=2)!(TTYPE=8)!(TTYPE=9)!(TTYPE=10)!(TTYPE=11)!(TTYPE=14)!(TTYPE=29)!(TTYPE=34)!(TTYPE=35)!(TTYPE=41) Q  ....I TRDMRD Q  ....S $P(^PRCA(433,TN,0),U,10)="",$P(^(9),U,4)=DT,$P(^(9),U,6)="I",STOP=1  ...I -TNVAL=BALDIFF I TCPLT D  Q:STOP  ....I (TTYPE=2)!(TTYPE=8)!(TTYPE=9)!(TTYPE=10)!(TTYPE=11)!(TTYPE=14)!(TTYPE=29)!(TTYPE=34)!(TTYPE=35)!(TTYPE=41) D  .....S $P(^PRCA(433,TN,0),U,10)="",$P(^(9),U,4)=DT,$P(^(9),U,6)="I",STOP=1  ...I TNVAL="",(TTYPE=10)!(TTYPE=11)!(TTYPE=23)!(TTYPE=40)!(TTYPE=46)!(TTYPE=47) D  Q:STOP  ....;10=waived in full, 11=waived in part, 23=write off, 40=suspended, 46=unsuspended, 47=charge suspended  ....S $P(^PRCA(433,TN,1),U,5)=$S(BALDIFF>0:BALDIFF,1:-BALDIFF),$P(^(9),U,4)=DT,$P(^(9),U,5)=$P(^(1),U,5),$P(^(9),U,6)="N",STOP=1  ...I TNVAL="",(TTYPE=2)!(TTYPE=35) D  Q:STOP  ....;1=increase, 35=decrease, 2=payment in part  ....S $P(^PRCA(433,TN,9),U,4)=DT,$P(^(9),U,5)="",$P(^(9),U,6)="O",STOP=1  ...M TRANPREV=TRANCRNT M TRANCRNT=^PRCA(433,TN) ;duplicate transaction  ...S $P(TRANPREV(0),U,1)=$P($G(TRANCRNT(0)),U,1) I $P($G(TRANPREV(0)),U,1,9)=$P($G(TRANCRNT(0)),U,1,9),$G(TRANPREV(1))=$G(TRANCRNT(1)),$G(TRANPREV(3))=$G(TRANCRNT(3)),'$P($G(TRANPREV(0)),U,10),'$P($G(TRANCRNT(0)),U,10) D  ....S IENPREV=TN-1,IENCRRT=TN,FILENUM=433  ....S $P(^PRCA(433,IENPREV,9),"^",4,6)="",$P(^PRCA(433,IENCRRT,9),"^",4,6)=""  ....K TRNSPREV S FILENUM=433 D GETS^DIQ(FILENUM,IENPREV,"\*\*","N","TRNSPREV","MSG")  ....K TRNSCRRT S FILENUM=433 D GETS^DIQ(FILENUM,IENCRRT,"\*\*","N","TRNSCRRT","MSG")  ....S TRNSCRRT(433,TN\_",",.01)=TRNSPREV(433,(TN-1)\_",",.01)  ....I $D(TRNSPREV(433,(TN-1)\_",",41)) S TRNSCRRT(433,TN\_",",41)=$G(TRNSPREV(433,(TN-1)\_",",41))  ....I $$DIQOUTCS(.TRNSPREV)'=$$DIQOUTCS(.TRNSCRRT) Q  ....S $P(^PRCA(433,TN,0),U,10)=1,$P(^(9),U,4)=DT,$P(^(9),U,5)=$P(^(1),U,5),$P(^(9),U,6)="D",STOP=1  Q  ; DIQOUTCS(DIQOUT) ;Return checksum for a processed DIQOUT array.  N CS,DATA,FIELD,FNUM,IENS,IND,SFN,STRING,TARGET,TEXT,WP  S FNUM=$O(DIQOUT(""))  S (CS,FNUM)=0  F  S FNUM=$O(DIQOUT(FNUM)) Q:FNUM=""  D  . S IENS=""  . F  S IENS=$O(DIQOUT(FNUM,IENS)) Q:IENS=""  D  .. S FIELD=0  .. F  S FIELD=$O(DIQOUT(FNUM,IENS,FIELD)) Q:FIELD=""  D  ... S DATA=DIQOUT(FNUM,IENS,FIELD)  ... S TEXT=FNUM\_$L(IENS,",")\_FIELD\_DATA  ... S CS=$$CRC32^XLFCRC(TEXT,CS)  Q CS  ; USRMSG ;sends mailman message to the prcacps mail group  N XMY,XMDUZ,XMSUB,XMTEXT,X  S XMDUZ="AR PACKAGE"  S XMY("G.PRCACPS")=""  S XMSUB="CPS AUTO-CORRECTION COMPLETE "\_$E(DT,4,5)\_"/"\_$E(DT,6,7)\_"/"\_$E(DT,2,3)  S X(1)="Consolidated Patient Statement Auto-Correction"  S X(2)="Program completed on "\_$$FMTE^XLFDT($$NOW^XLFDT(),"5P")  S XMTEXT="X("  D ^XMD  Q  ; PSACRT ; report, prints sorted individual transactions that have been auto-corrected  N DIC,RCSORT,PAGE  W ! PSDATE ;  S DIR("A")="Date Range: FROM: ",DIR("B")="T-7"  S DIR("?")="The default date is T-7. Future dates may not be entered."  S DIR(0)="DO" D ^DIR  S:Y'="" BDATE=Y  I $D(DIRUT)&'Y Q  I BDATE>DT G PSDATE  W "(",Y(0),")"  K DIR,X,Y  S DIR(0)="DO"  S DIR("A")="Date Range: TO: ",DIR("B")="T"  S DIR("?")="The default date is T, but any date may be entered."  D ^DIR S:Y="" Y=DT  I $D(DIRUT)&'Y Q  W "(",Y(0),")"  S EDATE=Y  I BDATE>EDATE G PSDATE  K DIR  S DIR(0)="S^1:Bill Number;2:Debtor Name;3:Auto-Correct Date;4:Transaction Number",DIR("A")="Sort by" D ^DIR K DIR  S RCSORT=Y Q:$D(DTOUT)!($D(DUOUT))!($D(DIROUT))  ;build array of transaction auto-corrected  S PAGE=0  S DASH="",$P(DASH,"-",81)=""  S DIS(0)="I (+$P($G(^PRCA(433,D0,9)),U,4)'<BDATE)&(+$P($G(^PRCA(433,D0,9)),U,4)'>EDATE)",L=0  I RCSORT=1 D  .S DIC="^PRCA(433,",BY=.03,(FR,TO)="",FLDS="[PRCA CPS RPTB]",DHD="W ?0 D PSACRTP1^PRCACPS"  .D EN1^DIP  .Q   ;  I RCSORT=2 D  .S DIC="^PRCA(433,",BY="BILL NUMBER:DEBTOR",(FR,TO)="",FLDS="[PRCA CPS RPTD]",DHD="W ?0 D PSACRTP2^PRCACPS"  .D EN1^DIP  .Q   ;  I RCSORT=3 D  .S DIC="^PRCA(433,",BY=94,(FR,TO)="",FLDS="[PRCA CPS RPTA]",DHD="W ?0 D PSACRTP3^PRCACPS"  .D EN1^DIP  .Q   ;   I RCSORT=4 D  .S DIC="^PRCA(433,",BY=.01,(FR,TO)="",FLDS="[PRCA CPS RPTT]",DHD="W ?0 D PSACRTP4^PRCACPS"  .D EN1^DIP  .Q   ;   I $E(IOST,1,2)="C-" R !!,"END OF REPORT...PRESS RETURN TO CONTINUE",X:DTIME W @IOF  Q  ; PSACRTP1 ;header for patient statement auto-correction report 1  W @IOF  S PAGE=PAGE+1  W !,"PAGE "\_PAGE,?8,"BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY BILL NUMBER)",?68,$$UPPER^VALM1($$FMTE^XLFDT(DT))  W !,DASH,!  W !,"BILL NO.",?13,"DEBTOR",?33,"SSN",?39,"TRANS NUM",?50,"AUTO-C DATE",?63,"AUTO-CORCT REASON"  W !,"-----------",?13,"------------------",?33,"----",?39,"---------",?50,"-----------",?63,"-----------------",!  Q  ; PSACRTP2 ;header for patient statement auto-correction report 2  W @IOF  S PAGE=PAGE+1  W !,"PAGE "\_PAGE,?8,"BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY DEBTOR)",?68,$$UPPER^VALM1($$FMTE^XLFDT(DT))  W !,DASH,!  W !,"DEBTOR",?20,"BILL NO.",?33,"SSN",?39,"TRANS NUM",?50,"AUTO-C DATE",?63,"AUTO-CORCT REASON"  W !,"------------------",?20,"-----------",?33,"----",?39,"---------",?50,"-----------",?63,"-----------------",!  Q  ; PSACRTP3 ;header for patient statement auto-correction report 3  W @IOF  S PAGE=PAGE+1  W !,"PAGE "\_PAGE,?8,"BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY AUTO-C DATE)",?68,$$UPPER^VALM1($$FMTE^XLFDT(DT))  W !,DASH,!  W !,"AUTO-C DATE",?12,"DEBTOR",?32,"BILL NO.",?44,"SSN",?50,"TRANS NUM",?63,"AUTO-CORCT REASON"  W !,"-----------",?12,"------------------",?32,"-----------",?44,"----",?50,"---------",?63,"-----------------",!  Q  ; PSACRTP4 ;header for patient statement auto-correction report 4  W @IOF  S PAGE=PAGE+1  W !,"PAGE "\_PAGE,?8,"BILLS THAT HAVE BEEN AUTO-CORRECTED (SORTED BY TRANS NUM)",?68,$$UPPER^VALM1($$FMTE^XLFDT(DT))  W !,DASH,!  W !,"TRANS NUM",?11,"DEBTOR",?31,"BILL NO.",?44,"SSN",?50,"AUTO-C DATE",?62,"AUTO-CORCT REASON"  W !,"---------",?11,"------------------",?31,"-----------",?44,"----",?50,"-----------",?63,"-----------------",!  Q  ; |

Table 13: Routines: PRCA307P

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| Routine Name | PRCA307P | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RTM | ACJ005 | | | |
| Related Options |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  |  | %ZTLOAD, BMES^XPDUTL, MES^XPDUTL |

| Routines | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| Data Dictionary (DD) References |  | | | | |
| Related Protocols |  | | | | |
| Related Integration Control Registrations (ICRs) |  | | | | |
| Data Passing | Input | Output Reference | Both | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition: | | | | |
| Output Attribute Name and Definition | Name:  Definition: | | | | |

| Current Logic |
| --- |
| PRCA307P ;ALB/BDB - PATCH PRCA\*4.5\*307 POST-INSTALL ROUTINE ; 11/2/15 4:15pm  ;;4.5;Accounts Receivable;\*\*307\*\*;Mar 20, 1995;Build 41  ;;Per VA Directive 6402, this routine should not be modified.  ; This routine will update a specific list of Station ID's  ; and queues the Patient Statement Auto-Correction Program  ;  Q EN ;Entry point for PRCA\*4.5\*307 post-install  N SDAY,SITE,T  S SDAY=0  S SITE=$$SITE^RCMSITE  I SITE=0 D  .D MES^XPDUTL(" ")  .D BMES^XPDUTL(">>> WARNING! STATION ID NOT FOUND!")  .D MES^XPDUTL(">>> THE PATIENT STATEMENT TRANSMISSION DATE WILL NOT BE UPDATED")  .D MES^XPDUTL(" ")  I $T(@SITE) S T=$T(@SITE),SDAY=+$P(T,";;",2)  I SDAY'=0 D  .S $P(^RC(342,1,0),"^",11)=SDAY  .;D EN^RCCPC1  .D MES^XPDUTL(" ")  .D BMES^XPDUTL(">>> STATION ID "\_SITE\_" MATCH FOUND!")  .D MES^XPDUTL(">>> THE PATIENT STATEMENT TRANSMISSION DATE WILL BE UPDATED")  .D MES^XPDUTL(" ")  .;set patient statement day to site statement day  .S DEB=0 F  S DEB=$O(^RCD(340,"AB","DPT(",DEB)) Q:'DEB  I $D(^RCD(340,+DEB,0)) D  ..S STDT=$P($G(^RCD(340,+DEB,0)),"^",3) Q:'STDT  ..S SSTDT=$P($G(^RC(342,1,0)),"^",11)  ..Q:(SSTDT=STDT)  ..K ^RCD(340,"AC",STDT,+DEB)  ..S $P(^RCD(340,+DEB,0),"^",3)=SSTDT  ..S ^RCD(340,"AC",SSTDT,DEB)=""  K SDAY,SITE,DEB,STDT,SSTDT  ;  N ZTDTH,ZTIO,ZTDESC,ZTRTN,ZTSK  S ZTDESC="Auto-Correct Patient Statement Discrepancies"  S ZTRTN="START^PRCACPS",ZTDTH=$H,ZTIO=""  D ^%ZTLOAD  I $G(ZTSK) D  Q  .D BMES^XPDUTL(">>>POST-INSTALL CONSOLIDATED PATIENT STATEMENT AUTO-CORRECTION")  .D MES^XPDUTL(">>>PROGRAM HAS BEEN QUEUED IN TASK "\_ZTSK)  I '$G(ZTSK) D  Q  .D BMES^XPDUTL(">>>ERROR: POST-INSTALL CONSOLIDATED PATIENT STATEMENT AUTO-CORRECTION")  .D MES^XPDUTL(">>>PROGRAM COULD NOT BE QUEUED")  ;  ;Stations that will have monthly statement build date changed 438 ;;21^SIOUX FALLS,SD 501 ;;21^ALBUQUERQUE,NM 504 ;;21^AMARILLO,TX 542 ;;21^COATESVILLE,PA 562 ;;21^ERIE,PA 568 ;;21^FORT MEADE,SD 649 ;;21^PRESCOTT,AZ 656 ;;21^ST. CLOUD,MN 688 ;;21^WASHINGTON,DC 756 ;;21^EL PASO,TX 565 ;;22^FAYETTEVILLE,NC 621 ;;22^MOUNTAIN HOME,TN 658 ;;22^SALEM,VA 664 ;;22^SAN DIEGO,CA 671 ;;22^SAN ANTONIO,TX 689 ;;22^WEST HAVEN,CT 740 ;;22^TEXAS VALLEY COASTAL,TX |

| Modified Logic (Changes are in bold) |
| --- |
|  |

Table 14: Routines: PRCASER1

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| Routine Name | PRCASER1 | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RTM | PWS 1.7 | | | |
| Related Options |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCAX, RCKATP, RCKATPD | XMD, PRCASER1, FY^RCFN01, $$NAM^RCFN01, $$SSN^RCFN01, $$FY^RCFN01, |

| Routines | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| Data Dictionary (DD) References | ACCOUNTS RECEIVABLE File (#430)  AR TRANSACTION File (#433)  ACCOUNTS RECEIVABLE TRANS.TYPE(#430.3)  NEW PERSON(#200) | | | | |
| Related Protocols |  | | | | |
| Related Integration Control Registrations (ICRs) |  | | | | |
| Data Passing | Input | Output Reference | Both | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition: | | | | |
| Output Attribute Name and Definition | Name:  Definition: | | | | |
| Current Logic | | | | | |
| PRCASER1 ;WASH-ISC@ALTOONA,PA/RGY-Accept transaction from billing engine ;9/8/93  2:21 PM  V ;;4.5;Accounts Receivable;\*\*48,104,165,233\*\*;Mar 20, 1995;Build 4  ;;Per VHA Directive 10-93-142, this routine should not be modified.  NEW AMT,AMT1,PRCAERR,PRCABN,PRCADJ,X1,XMDUZ,XMSUB,XMTEXT,XMY,DEBT  I '$D(X) S PRCAERR="-1^PRCA020" G Q  I $O(^PRCA(430.3,"AC",+X,0))'?1N.N,$P($G(^PRCA(430.3,+X,0)),"^",3)'=21  S PRCAERR="-1^PRCA021" G Q  I +X'=21,$P($G(^PRCA(430.3,+X,0)),"^",3)'=21 S PRCAERR="-1^PRCA022" G Q  I $P(X,"^",2)'?.N.1".".2N S PRCAERR="-1^PRCA023" G Q  I $P(X,"^",2)'>0 S PRCAERR="-1^PRCA017" G Q  I $P(X,"^",3)="" S PRCAERR="-1^PRCA006" G Q  S PRCABN=$O(^PRCA(430,"B",$P(X,"^",3),0)) I $G(^PRCA(430,+PRCABN,0))=""  S PRCAERR="-1^PRCA007" G Q  I '$D(^VA(200,+$P(X,"^",4),0)) S PRCAERR="-1^PRCA013" G Q  I $P(X,"^",5)'?7N S PRCAERR="-1^PRCA024" G Q  S (AMT1,AMT)=$P(X,"^",2)  D DEC(PRCABN,.AMT,$P(X,"^",4),$P(X,U,6),$P(X,U,5))  S XMDUZ="AR Package",XMTEXT="X1(",DEBT=$P($G(^PRCA(430,PRCABN,0)),"^",9  ),DEBT=$E($$NAM^RCFN01(DEBT),1)\_" ("\_$E($$SSN^RCFN01(DEBT),6,9)\_")"  I AMT'=AMT1 S X1(1)="A decrease adjustment for bill/Pt name (SSN) #"\_$P  (X,"^",3)\_"/"\_DEBT\_" has been",XMSUB="Automatic Adj: "\_$P(X,"^",3)  I AMT=AMT1 S X1(1)="\*\*\*\* NOTICE: A decrease adjustment for bill/Pt name  (SSN) #"\_$P(X,U,3)\_"/"\_DEBT,XMSUB="Manual Adj: "\_$P(X,U,3),X1(3)=" "  S Y=DT X ^DD("DD") S X1(2)=$S(AMT'=AMT1:"automatically",1:"needs to be  manually")\_" applied in the amount of $"\_$J($S(AMT1=AMT:AMT1,1:AMT1-AMT),0,2)\_"  on "\_Y\_"."  I AMT,AMT'=AMT1 S X1(3)="Please review bill for proper application of t  he unapplied amount of $"\_$J(AMT,0,2)\_"."  S X1(4)=" ",X1(5)="Data sent from Service"  S X1(6)=" Amount: $"\_$J(AMT1,0,2)  S Y=$P(X,U,5) X ^DD("DD") S X1(7)=" Date: "\_Y  S X1(8)=" Reason: "\_$S($P(X,"^",6)]"":$P(X,"^",6),1:"N/A")  S X1(9)=" Adjustment by: "\_$P($G(^VA(200,+$P(X,"^",4),0)),"^")  S AMT=0 F X=1:1:5 S AMT=AMT+$P($G(^PRCA(430,PRCABN,7)),U,X)  S AMT1=AMT-+$G(^PRCA(430,PRCABN,7))  S X=$P(^PRCA(430.3,+$P($G(^PRCA(430,PRCABN,0)),U,8),0),U,1)  S X1(10)=" ",X1(12)=" ",X1(13)="Bill status is "\_$S(XMSUB["Auto":"now "  ,1:"")\_X\_" with a balance of $"\_$J(AMT,0,2)\_".",X1(14)=" "  I AMT1>0 S X1(15)=" \*WARNING\* There is outstanding administrative char  ges of $"\_$J(AMT1,0,2)\_".",X1(16)=" An adjustment of administrative c  harges MAY need to be done."  S XMY("G.PRCA ADJUSTMENT TRANS")=""  D ^XMD  Q S Y=$S($D(PRCAERR):PRCAERR,1:0) Q  TEST ;  S X="21^22^503-AA0007^5^2921206^RX RETURNED IN MAIL" D ^PRCASER1 W !,Y,  !  Q  DEC(PRCABN,AMT,APR,REA,BDT,PRCAEN) ;Auto decrease from service Bill#,Tran amt,pe  rson,reason,Tran date  NEW BAL,DA,DIC,DIE,DR,ERR,PRCA,PRCAA2,PRCAMT,PRCASV,X,Y  S PRCAEN="",BAL=+$G(^PRCA(430,PRCABN,7)) I 'BAL Q  I $P(^PRCA(430,PRCABN,0),U,8)'=$O(^PRCA(430.3,"AC",102,"")),$P(^PRCA(43  0,PRCABN,0),U,8)'=$O(^PRCA(430.3,"AC",112,"")) Q  I $P(^PRCA(430,PRCABN,0),U,2)=$O(^PRCA(430.2,"AC",33,0)) Q  S BAL=$S(AMT>BAL:BAL,1:AMT)  S PRCA("ADJ")=$O(^PRCA(430.3,"AC",21,0)),PRCASV("FY")=$$FY^RCFN01(DT)\_U  \_BAL,PRCASV("APR")=APR,PRCASV("BDT")=$S($G(BDT)>0:BDT,1:DT)  D SETTR^PRCAUTL,PATTR^PRCAUTL S DIE="^PRCA(433,",DR="[PRCA FY ADJ2 BATC  H]",DA=PRCAEN D ^DIE S PRCAA2=$P(^PRCA(433,PRCAEN,4,0),U,3) D UPFY^PRCADJ,TRANUP  ^PRCAUTL  I ("^30^31^")[("^"\_$P($G(^PRCA(430,PRCABN,0)),"^",2)\_"^") D EN^PRCAFBDM  (PRCABN,BAL,PRCA("ADJ"),$G(PRCADJ("BDT")),PRCAEN,.ERR)  D UPPRIN^PRCADJ  I "AutoAUTO"'[$E(REA,1,4) S REA="Auto Dec.: "\_REA  S DA=PRCAEN,DIE="^PRCA(433,",DR="41///"\_REA D ^DIE  S AMT=AMT-+$P($G(^PRCA(433,PRCAEN,1)),U,5)  Q | | | | | |

| Modified Logic (Changes are in bold) |
| --- |
| PRCASER1 ;WASH-ISC@ALTOONA,PA/RGY-Accept transaction from billing engine ;9/8/93 2:21 PM V ;;4.5;Accounts Receivable;\*\*48,104,165,233,307\*\*;Mar 20, 1995;Build 14  ;;Per VHA Directive 10-93-142, this routine should not be modified.  NEW AMT,AMT1,PRCAERR,PRCABN,PRCADJ,X1,XMDUZ,XMSUB,XMTEXT,XMY,DEBT  I '$D(X) S PRCAERR="-1^PRCA020" G Q  I $O(^PRCA(430.3,"AC",+X,0))'?1N.N,$P($G(^PRCA(430.3,+X,0)),"^",3)'=21 S PRCAERR="-1^PRCA021" G Q  I +X'=21,$P($G(^PRCA(430.3,+X,0)),"^",3)'=21 S PRCAERR="-1^PRCA022" G Q  I $P(X,"^",2)'?.N.1".".2N S PRCAERR="-1^PRCA023" G Q  I $P(X,"^",2)'>0 S PRCAERR="-1^PRCA017" G Q  I $P(X,"^",3)="" S PRCAERR="-1^PRCA006" G Q  S PRCABN=$O(^PRCA(430,"B",$P(X,"^",3),0)) I $G(^PRCA(430,+PRCABN,0))="" S PRCAERR="-1^PRCA007" G Q  I '$D(^VA(200,+$P(X,"^",4),0)) S PRCAERR="-1^PRCA013" G Q  I $P(X,"^",5)'?7N S PRCAERR="-1^PRCA024" G Q  S (AMT1,AMT)=$P(X,"^",2)  D DEC(PRCABN,.AMT,$P(X,"^",4),$P(X,U,6),$P(X,U,5))  S XMDUZ="AR Package",XMTEXT="X1(",DEBT=$P($G(^PRCA(430,PRCABN,0)),"^",9),DEBT=$E($$NAM^RCFN01(DEBT),1)\_" ("\_$E($$SSN^RCFN01(DEBT),6,9)\_")"  I AMT'=AMT1 S X1(1)="A decrease adjustment for bill/Pt name (SSN) #"\_$P(X,"^",3)\_"/"\_DEBT\_" has been",XMSUB="Automatic Adj: "\_$P(X,"^",3)  I AMT=AMT1 S X1(1)="\*\*\*\* NOTICE: A decrease adjustment for bill/Pt name (SSN) #"\_$P(X,U,3)\_"/"\_DEBT,XMSUB="Manual Adj: "\_$P(X,U,3),X1(3)=" "  S Y=DT X ^DD("DD") S X1(2)=$S(AMT'=AMT1:"automatically",1:"needs to be manually")\_" applied in the amount of $"\_$J($S(AMT1=AMT:AMT1,1:AMT1-AMT),0,2)\_" on "\_Y\_"."  I AMT,AMT'=AMT1 S X1(3)="Please review bill for proper application of the unapplied amount of $"\_$J(AMT,0,2)\_"."  S X1(4)=" ",X1(5)="Data sent from Service"  S X1(6)=" Amount: $"\_$J(AMT1,0,2)  S Y=$P(X,U,5) X ^DD("DD") S X1(7)=" Date: "\_Y  S X1(8)=" Reason: "\_$S($P(X,"^",6)]"":$P(X,"^",6),1:"N/A")  S X1(9)=" Adjustment by: "\_$P($G(^VA(200,+$P(X,"^",4),0)),"^")  S AMT=0 F X=1:1:5 S AMT=AMT+$P($G(^PRCA(430,PRCABN,7)),U,X)  S AMT1=AMT-+$G(^PRCA(430,PRCABN,7))  S X=$P(^PRCA(430.3,+$P($G(^PRCA(430,PRCABN,0)),U,8),0),U,1)  S X1(10)=" ",X1(12)=" ",X1(13)="Bill status is "\_$S(XMSUB["Auto":"now ",1:"")\_X\_" with a balance of $"\_$J(AMT,0,2)\_".",X1(14)=" "  I AMT1>0 S X1(15)=" \*WARNING\* There is outstanding administrative charges of $"\_$J(AMT1,0,2)\_".",X1(16)=" An adjustment of administrative charges MAY need to be done."  S XMY("G.PRCA ADJUSTMENT TRANS")=""  D ^XMD Q S Y=$S($D(PRCAERR):PRCAERR,1:0) Q **TEST ;21^AMT^BILL#^DUZ^DATE^REASON - PRCA\*4.5\*307 Update for Tier Rate  S U="^",X="21^15^500-K40000I^101091^3150129^BILLED AT HIGHER TIER RATE" D ^PRCASER1 W !,Y,!  Q** DEC(PRCABN,AMT,APR,REA,BDT,PRCAEN) ;Auto decrease from service Bill#,Tran amt,person,reason,Tran date  **NEW BAL,DA,DIC,DIE,DR,ERR,PRCA,PRCAA2,PRCAMT,PRCASV,X,Y,PRCADUP   ; PRCA\*4.5\*307 - New PRCADUP then initalize next line  S PRCADUP=0  ; PRCA\*4.5\*307 - If reason is TIER RATE check for duplicate  I REA["TIER RATE" D DUPCHK**  S PRCAEN="",BAL=+$G(^PRCA(430,PRCABN,7)) I 'BAL Q  I $P(^PRCA(430,PRCABN,0),U,8)'=$O(^PRCA(430.3,"AC",102,"")),$P(^PRCA(430,PRCABN,0),U,8)'=$O(^PRCA(430.3,"AC",112,"")) Q  I $P(^PRCA(430,PRCABN,0),U,2)=$O(^PRCA(430.2,"AC",33,0)) Q  S BAL=$S(AMT>BAL:BAL,1:AMT)  S PRCA("ADJ")=$O(^PRCA(430.3,"AC",21,0)),PRCASV("FY")=$$FY^RCFN01(DT)\_U\_BAL,PRCASV("APR")=APR,PRCASV("BDT")=$S($G(BDT)>0:BDT,1:DT)  D SETTR^PRCAUTL,PATTR^PRCAUTL S DIE="^PRCA(433,",DR="[PRCA FY ADJ2 BATCH]",DA=PRCAEN D ^DIE S PRCAA2=$P(^PRCA(433,PRCAEN,4,0),U,3) D UPFY^PRCADJ,TRANUP^PRCAUTL  I ("^30^31^")[("^"\_$P($G(^PRCA(430,PRCABN,0)),"^",2)\_"^") D EN^PRCAFBDM(PRCABN,BAL,PRCA("ADJ"),$G(PRCADJ("BDT")),PRCAEN,.ERR)  D UPPRIN^PRCADJ  I "AutoAUTO"'[$E(REA,1,4) S REA="Auto Dec.: "\_REA  S DA=PRCAEN,DIE="^PRCA(433,",DR="41///"\_REA D ^DIE  ; PRCA\*4.5\*307 - Mark Incomplete Transaction if duplicate, blocking from Patient Statement   I PRCADUP S DR="10////1" D ^DIE  S AMT=AMT-+$P($G(^PRCA(433,PRCAEN,1)),U,5)  Q  ; **DUPCHK   ;PRCA\*4.5\*307 - Check for duplicate (lower/higher) set PRCADUP if true  N PRCATX,PRCAII  S PRCATX=$P(^PRCA(433,0),U,3)  F PRCAII=PRCATX-20:1:PRCATX D  Q:PRCADUP  . S PRCATRN=$G(^PRCA(433,PRCAII,1)) I $P(PRCATRN,U,5)'=AMT Q  . I $P($G(^PRCA(433,PRCAII,0)),U,2)'=PRCABN Q  . I $P($G(^PRCA(433,PRCAII,0)),U,9)'=APR Q  . I $P(PRCATRN,U)'=BDT Q  . S PRCADUP=PRCAII  Q** |

Table 15: Routines: RCWROFF

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| Routine Name | RCWROFF | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RTM | PWS 1.7 | | | |
| Related Options |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  |  | $$GETABILL^RCBEUBIL, SHOWBILL^RCWROFF1, $$ADD433^RCBEUTRA, $$EDIT433^RCBEUTRA, SETRCDOJ^RCBEUBIL, CHGSTAT^RCBEUBIL, PROCESS^RCBEUTRA,  $$ACCK^PRCAACC,  $$LDATE^RCRJ, $$FPS^RCAMFN0,  $$BUILDWR^RCXFMSW1, |

| Routines | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| Data Dictionary (DD) References | ACCOUNTS RECEIVABLE File (#430)  AR TRANSACTION File (#433) | | | | |
| Related Protocols |  | | | | |
| Related Integration Control Registrations (ICRs) |  | | | | |
| Data Passing | Input | Output Reference | Both | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition: | | | | |
| Output Attribute Name and Definition | Name:  Definition: | | | | |

| Current Logic |
| --- |
| RCWROFF ;WISC/RFJ-write off, terminated ;1 Feb 2000  ;;4.5;Accounts Receivable;\*\*168,204,309\*\*;Mar 20, 1995;Build 3  ;;Per VA Directive 6402, this routine should not be modified.  Q  ;  ;  8 ; terminated by fiscal officer (trantype=8) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;" ;termination reason  D MAIN("8^Fiscal Officer Termination",RCDRSTRG)  Q  ;  ;  9 ; terminated by compromise (trantype=9) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;" ;termination reason  D MAIN("9^Compromise Termination",RCDRSTRG)  Q  ;  ;  A9 ; compromised by rc/doj (use trantype=9) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;" ;termination reason  D MAIN("9^Compromise Termination by RC/DOJ",RCDRSTRG)  Q  ;  ;  10 ; waived in full transaction (trantype=10) (menu option)  D MAIN("10^Waiver","11WAIVED DATE;")  Q  ;  ;  A10 ; waived by rc/doj (use trantype=10) (menu option)  D MAIN("10^RC/DOJ Waiver","11WAIVED DATE;")  Q  ;  ;  29 ; terminated by rc/doj (trantype=29) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;" ;termination reason  D MAIN("29^RC/DOJ Termination",RCDRSTRG)  Q  ;  ;  47 ; suspended (trantype=47) (menu option)  N RCDRSTRG  S RCDRSTRG="11SUSPENDED DATE;"  S RCDRSTRG=RCDRSTRG\_"90R;" ;suspension type  S RCDRSTRG=RCDRSTRG\_"S RCX=$$SUSTP^RCWROFF(X);"  S RCDRSTRG=RCDRSTRG\_"5.02////^S X=RCX;" ;brief comment  S RCDRSTRG=RCDRSTRG\_"K RCX;"  D MAIN("47^Suspension",RCDRSTRG)  Q  ;  SUSTP(X) ; suspension types for brief comment in \*309  ; input-code between 0 to 11  ; output-text  N IBX  S IBX=$P($T(SUSTX+X),";;",2)  Q IBX  ;  SUSTX ;;NOT CO-PAY SUSPENSION  ;;INITIAL CO-PAY WAIVER  ;;APPEAL CO-PAY WAIVER  ;;ADMINISTRATIVE SUSPENSION  ;;COMPROMISE  ;;TERMINATION  ;;BANKRUPTCY CHAP 7  ;;BANKRUPTCY CHAP 13  ;;BANKRUPTCY OTHER  ;;PROBATE  ;;CHOICE  ;;DISPUTE  ;  ;  MAIN(RCTRTYPE,RCDRSTRG) ; main subroutine to process a waiver, termination, sus  pended transaction  ; rctrtype = transaction type^description, example 10^waiver  ; rcdrstrg = dr string used when calling die  N BALANCE,DR,RCBILLDA,RCTRANDA,Y  F D Q:RCBILLDA<1  . K RCTRANDA ;do not leave around in for loop  . ; select a bill  . S RCBILLDA=$$GETABILL^RCBEUBIL I RCBILLDA<1 Q  . ; check to see if bill has been referred to rc/doj (6;4 = referral  date)  . I $P(RCTRTYPE,"^",2)["RC/DOJ",$P($G(^PRCA(430,RCBILLDA,6)),"^",4)="  " W !,"THIS ACCOUNT IS NOT REFERRED TO RC/DOJ." Q  . ; lock the bill  . L +^PRCA(430,RCBILLDA):5 I '$T W !,"ANOTHER USER IS CURRENTLY WORKI  NG WITH THIS BILL." Q  . D SHOWBILL^RCWROFF1(RCBILLDA)  . I '$G(^PRCA(430,RCBILLDA,7)) W !,"THIS BILL HAS NO PRINCIPAL BALANC  E." D UNLOCK Q  . ; ask to enter transaction  . S Y=$$ASKOK($P(RCTRTYPE,"^",2)) I Y'=1 D UNLOCK S:Y<0 RCBILLDA=0 Q  . ; add a new transaction to file 433  . S RCTRANDA=$$ADD433^RCBEUTRA(RCBILLDA,$P(RCTRTYPE,"^")) I 'RCTRANDA  W !,$P(RCTRANDA,"^",2) D UNLOCK Q  . W !," Transaction number ",RCTRANDA," added ..."  . ;  . ; set up dr string for die call  . S DR=RCDRSTRG\_"41;" ;comment  . ; bill amount moved to transaction amount  . S BALANCE=$P($G(^PRCA(430,RCBILLDA,7)),"^",1,5)  . S DR=DR\_"15////"\_($P(BALANCE,"^")+$P(BALANCE,"^",2)+$P(BALANCE,"^",  3)+$P(BALANCE,"^",4)+$P(BALANCE,"^",5))\_";"  . I $P(BALANCE,"^",1) S DR=DR\_"81////"\_+$P(BALANCE,"^",1)\_";" ;prin  cipal  . I $P(BALANCE,"^",2) S DR=DR\_"82////"\_+$P(BALANCE,"^",2)\_";" ;inte  rest  . I $P(BALANCE,"^",3) S DR=DR\_"83////"\_+$P(BALANCE,"^",3)\_";" ;admi  n  . I $P(BALANCE,"^",4) S DR=DR\_"84////"\_+$P(BALANCE,"^",4)\_";" ;mars  hal fee  . I $P(BALANCE,"^",5) S DR=DR\_"85////"\_+$P(BALANCE,"^",5)\_";" ;cour  t cost  . ;  . ; edit the fields  . S Y=$$EDIT433^RCBEUTRA(RCTRANDA,DR)  . I 'Y W !,$P(Y,"^",2) D DEL433^RCBEUTRA(RCTRANDA,"",0),UNLOCK Q  . ; set the bill and transaction as RC/DOJ  . I $P(RCTRTYPE,"^",2)["RC/DOJ" D SETRCDOJ^RCBEUBIL(RCBILLDA,RCTRANDA  ,"RC")  . ; change the status of the bill  . I $P(RCTRTYPE,"^")'=47 D CHGSTAT^RCBEUBIL(RCBILLDA,23) ;write off  . I $P(RCTRTYPE,"^")=47 D CHGSTAT^RCBEUBIL(RCBILLDA,40) ;suspended  . ; mark transaction as processed  . D PROCESS^RCBEUTRA(RCTRANDA)  . ;  . ; create fms write off document, if not accrued and not suspended  (47) transaction  . I '$$ACCK^PRCAACC(RCBILLDA),$P($G(^PRCA(433,RCTRANDA,1)),"^",2)'=47  D FMSDOC(RCTRANDA)  . ;  . W !," \* \* \* \* \* ",$P(RCTRTYPE,"^",2)," has been PROCESSED! \* \* \* \*  \*"  .I '$G(REFMS)&(DT>$$LDATE^RCRJR(DT)) S Y=$E($$FPS^RCAMFN01(DT,1),1,5)\_"  01" D DD^%DT W !!," \* \* \* \* Transmission will be held until "\_Y\_" \* \* \* \*"  . D UNLOCK  Q  ;  ;  FMSDOC(RCTRANDA) ; create fms write off document  N Y  W !!,"Creating FMS Write-off document ... "  S Y=$$BUILDWR^RCXFMSW1(RCTRANDA)  I Y W $P(Y,"^",2)," created."  E W "ERROR: ",$P(Y,"^",2)  Q  ;  ;  UNLOCK ; unlock bill and transaction  L -^PRCA(430,RCBILLDA)  I $G(RCTRANDA) L -^PRCA(433,RCTRANDA)  Q  ;  ;  ASKOK(TRANTYPE) ; ask record transaction  N DIR,DIQ2,DIRUT,DTOUT,DUOUT,X,Y  S DIR(0)="YO",DIR("B")="NO"  S DIR("A")=" Are you sure you want to record this bill as a "  I $L(TRANTYPE)<20 S DIR("A")=DIR("A")\_TRANTYPE  E S DIR("A",1)=DIR("A"),DIR("A")=" "\_TRANTYPE  W ! D ^DIR  I $G(DTOUT)!($G(DUOUT)) S Y=-1  Q Y |

| Modified Logic (Changes are in bold) |
| --- |
| RCWROFF ;WISC/RFJ-write off, terminated ;1 Feb 2000  ;;4.5;Accounts Receivable;\*\*168,204,309,307\*\*;Mar 20, 1995;Build 14  ;;Per VA Directive 6402, this routine should not be modified.  Q  ;  ; 8 ; terminated by fiscal officer (trantype=8) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;"  ;termination reason  D MAIN("8^Fiscal Officer Termination",RCDRSTRG)  Q  ;  ; 9 ; terminated by compromise (trantype=9) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;"  ;termination reason  D MAIN("9^Compromise Termination",RCDRSTRG)  Q  ;  ; A9 ; compromised by rc/doj (use trantype=9) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;"  ;termination reason  D MAIN("9^Compromise Termination by RC/DOJ",RCDRSTRG)  Q  ;  ; 10 ; waived in full transaction (trantype=10) (menu option)  D MAIN("10^Waiver","11WAIVED DATE;")  Q  ;  ; A10 ; waived by rc/doj (use trantype=10) (menu option)  D MAIN("10^RC/DOJ Waiver","11WAIVED DATE;")  Q  ;  ; 29 ; terminated by rc/doj (trantype=29) (menu option)  N RCDRSTRG  S RCDRSTRG="11TERMINATION DATE;"  S RCDRSTRG=RCDRSTRG\_"17;"  ;termination reason  D MAIN("29^RC/DOJ Termination",RCDRSTRG)  Q  ;  ; 47 ; suspended (trantype=47) (menu option)  N RCDRSTRG  S RCDRSTRG="11SUSPENDED DATE;"  S RCDRSTRG=RCDRSTRG\_"90R;"  ;suspension type  S RCDRSTRG=RCDRSTRG\_"S RCX=$$SUSTP^RCWROFF(X);"  S RCDRSTRG=RCDRSTRG\_"5.02////^S X=RCX;"  ;brief comment  S RCDRSTRG=RCDRSTRG\_"K RCX;"  D MAIN("47^Suspension",RCDRSTRG)  Q  ; SUSTP(X) ; suspension types for brief comment in \*309  ; input-code between 0 to 11  ; output-text  N IBX  S IBX=$P($T(SUSTX+X),";;",2)  Q IBX  ; SUSTX ;;NOT CO-PAY SUSPENSION  ;;INITIAL CO-PAY WAIVER  ;;APPEAL CO-PAY WAIVER  ;;ADMINISTRATIVE SUSPENSION  ;;COMPROMISE  ;;TERMINATION  ;;BANKRUPTCY CHAP 7  ;;BANKRUPTCY CHAP 13  ;;BANKRUPTCY OTHER  ;;PROBATE  ;;CHOICE  ;;DISPUTE  ;  ; MAIN(RCTRTYPE,RCDRSTRG) ; main subroutine to process a waiver, termination, suspended transaction  ; rctrtype = transaction type^description, example 10^waiver  ; rcdrstrg = dr string used when calling die  N BALANCE,DR,RCBILLDA,RCTRANDA,Y  F  D  Q:RCBILLDA<1  . K RCTRANDA  ;do not leave around in for loop  . ; select a bill  . S RCBILLDA=$$GETABILL^RCBEUBIL I RCBILLDA<1 Q  . ; check to see if bill has been referred to rc/doj (6;4 = referral date)  . I $P(RCTRTYPE,"^",2)["RC/DOJ",$P($G(^PRCA(430,RCBILLDA,6)),"^",4)="" W !,"THIS ACCOUNT IS NOT REFERRED TO RC/DOJ." Q  . ; lock the bill  . L +^PRCA(430,RCBILLDA):5 I '$T W !,"ANOTHER USER IS CURRENTLY WORKING WITH THIS BILL." Q  . D SHOWBILL^RCWROFF1(RCBILLDA)  . I '$G(^PRCA(430,RCBILLDA,7)) W !,"THIS BILL HAS NO PRINCIPAL BALANCE." D UNLOCK Q  . ; ask to enter transaction  . S Y=$$ASKOK($P(RCTRTYPE,"^",2)) I Y'=1 D UNLOCK S:Y<0 RCBILLDA=0 Q  . ; add a new transaction to file 433  . S RCTRANDA=$$ADD433^RCBEUTRA(RCBILLDA,$P(RCTRTYPE,"^")) I 'RCTRANDA W !,$P(RCTRANDA,"^",2) D UNLOCK Q  . W !," Transaction number ",RCTRANDA," added ..."  . ;  **. ; set up dr string for die call PRCA\*4.5\*307 - Move comment below balance sets  . S DR=RCDRSTRG   ;\_"41;" ;comment  . ; bill amount moved to transaction amount  . S BALANCE=$P($G(^PRCA(430,RCBILLDA,7)),"^",1,5)  . S DR=DR\_"15////"\_($P(BALANCE,"^")+$P(BALANCE,"^",2)+$P(BALANCE,"^",3)+$P(BALANCE,"^",4)+$P(BALANCE,"^",5))\_";"  . I $P(BALANCE,"^",1) S DR=DR\_"81////"\_+$P(BALANCE,"^",1)\_";"   ;principal  . I $P(BALANCE,"^",2) S DR=DR\_"82////"\_+$P(BALANCE,"^",2)\_";"   ;interest  . I $P(BALANCE,"^",3) S DR=DR\_"83////"\_+$P(BALANCE,"^",3)\_";"   ;admin  . I $P(BALANCE,"^",4) S DR=DR\_"84////"\_+$P(BALANCE,"^",4)\_";"   ;marshal fee  . I $P(BALANCE,"^",5) S DR=DR\_"85////"\_+$P(BALANCE,"^",5)\_";"   ;court cost  . ;  . ; PRCA\*4.5\*307 - Comment save is moved below balance sets  . S DR=DR\_"41;"**  . ; edit the fields  . S Y=$$EDIT433^RCBEUTRA(RCTRANDA,DR)  . I 'Y W !,$P(Y,"^",2) D DEL433^RCBEUTRA(RCTRANDA,"",0),UNLOCK Q  . ; set the bill and transaction as RC/DOJ  . I $P(RCTRTYPE,"^",2)["RC/DOJ" D SETRCDOJ^RCBEUBIL(RCBILLDA,RCTRANDA,"RC")  . ; change the status of the bill  . I $P(RCTRTYPE,"^")'=47 D CHGSTAT^RCBEUBIL(RCBILLDA,23) ;write off  . I $P(RCTRTYPE,"^")=47 D CHGSTAT^RCBEUBIL(RCBILLDA,40) ;suspended  . ; mark transaction as processed  . D PROCESS^RCBEUTRA(RCTRANDA)  . ;  . ; create fms write off document, if not accrued and not suspended (47) transaction  . I '$$ACCK^PRCAACC(RCBILLDA),$P($G(^PRCA(433,RCTRANDA,1)),"^",2)'=47 D FMSDOC(RCTRANDA)  . ;  . W !," \* \* \* \* \* ",$P(RCTRTYPE,"^",2)," has been PROCESSED! \* \* \* \* \*"  .I '$G(REFMS)&(DT>$$LDATE^RCRJR(DT)) S Y=$E($$FPS^RCAMFN01(DT,1),1,5)\_"01" D DD^%DT W !!," \* \* \* \* Transmission will be held until "\_Y\_" \* \* \* \*"  . D UNLOCK  Q  ;  ; FMSDOC(RCTRANDA) ; create fms write off document  N Y  W !!,"Creating FMS Write-off document ... "  S Y=$$BUILDWR^RCXFMSW1(RCTRANDA)  I Y W $P(Y,"^",2)," created."  E  W "ERROR: ",$P(Y,"^",2)  Q  ;  ; UNLOCK ; unlock bill and transaction  L -^PRCA(430,RCBILLDA)  I $G(RCTRANDA) L -^PRCA(433,RCTRANDA)  Q  ;  ; ASKOK(TRANTYPE) ; ask record transaction  N DIR,DIQ2,DIRUT,DTOUT,DUOUT,X,Y  S DIR(0)="YO",DIR("B")="NO"  S DIR("A")=" Are you sure you want to record this bill as a "  I $L(TRANTYPE)<20 S DIR("A")=DIR("A")\_TRANTYPE  E  S DIR("A",1)=DIR("A"),DIR("A")=" "\_TRANTYPE  W ! D ^DIR  I $G(DTOUT)!($G(DUOUT)) S Y=-1  Q Y |

##### Templates

Table 16: Templates (Instructions)

| Templates | Instructions |
| --- | --- |
| Template Name |  |
| Enhancement Category |  |
| RSD Traceability |  |
| Template Type |  |
| Related Options |  |
| Related Routines |  |
| Data Dictionary (DD) References |  |
| Global References |  |

Table 17: Templates

| Templates | Description | | | |
| --- | --- | --- | --- | --- |
| Template Name | PRCA PSE RPTA | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RSD |  | | | |
| Template Type | Sort | Input | Print | Other |
| Related Options | PRCA AUTOCRCT RPT | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCACPS |  |

| Routines | Description |
| --- | --- |
| Data Dictionary (DD) References | AR TRANSACTION File (#433) |
| Global References |  |

| Templates | Description | | | |
| --- | --- | --- | --- | --- |
| Template Name | PRCA PSE RPT B | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RSD |  | | | |
| Template Type | Sort | Input | Print | Other |
| Related Options | PRCA AUTOCRCT RPT | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCCPS |  |

| Routines | Description |
| --- | --- |
| Data Dictionary (DD) References | AR TRANSACTION File (#433) |
| Global References |  |

| Templates | Description | | | |
| --- | --- | --- | --- | --- |
| Template Name | PRCA PSE RPTD | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RSD |  | | | |
| Template Type | Sort | Input | Print | Other |
| Related Options | PRCA AUTOCRCT RPT | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCACPS |  |

| Routines | Description |
| --- | --- |
| Data Dictionary (DD) References | AR TRANSACTION File (#433) |
| Global References |  |

| Templates | Description | | | |
| --- | --- | --- | --- | --- |
| Template Name | PRCA PSE RPTT | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RSD |  | | | |
| Template Type | Sort | Input | Print | Other |
| Related Options | PRCA AUTOCRCT RPT | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCACPS |  |

| Routines | Description |
| --- | --- |
| Data Dictionary (DD) References | AR TRANSACTION File (#433) |
| Global References |  |

##### Bulletins

Table 18: Bulletins (Instructions)

| Bulletins | Instructions |
| --- | --- |
| Bulletin Name |  |
| Enhancement Category |  |
| RTM |  |
| Related Options |  |
| Related Routines |  |
| Mail Subject |  |
| Mail Group |  |
| Parameters |  |
| Data Dictionary (DD) References |  |

Table 19: Bulletins

| Bulletins | Description | | | |
| --- | --- | --- | --- | --- |
| Bulletin Name |  | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| RTM |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  |  |  |

| Routines | Description |
| --- | --- |
| Mail Subject |  |
| Mail Group |  |
| Parameters |  |
| Data Dictionary (DD) References |  |

##### Data Entries Affected by the Design

Table 20: Data Entries Affected by the Design

| Field Name | Current Value | New Value |
| --- | --- | --- |
|  |  |  |

##### Unique Record(s)

Table 21: Unique Record ID

| Field Name(s) | Current Value | New Value |
| --- | --- | --- |
|  |  |  |

##### File or Global Size Changes

Table 22: File or Global Size Changes

| File/Global Name(s) | Estimated Increase | Estimated Decrease |
| --- | --- | --- |
|  |  |  |

##### Mail Groups

Table 23: Mail Groups (Instructions)

| Mail Groups | Instructions |
| --- | --- |
| Mail Group Name |  |
| Enhancement Category |  |
| Related Options |  |
| Related Routines |  |
| Data Dictionary (DDs) References |  |
| Related Protocols |  |
| Mail Group Description |  |
| Self-Enrollment Allowed |  |
| Type |  |

Table 24: Mail Groups

| Mail Groups | Activities | | | |
| --- | --- | --- | --- | --- |
| Mail Group Name | PRCACPS | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| Related Options |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCACPS |  |

| Mail Groups | Instructions | |
| --- | --- | --- |
| **Data Dictionary (DD) References** |  | |
| **Related Protocols** |  | |
| **Mail Group Description** | This mail group will receive a notification when the  Consolidated Patient Statement Auto-Correction program has completed. | |
| **Self-Enrollment Allowed** | Yes | No |
| **Type** | Public | Private |

##### Security Keys

Table 25: Security Keys (Instructions)

| Security Keys | Instructions |
| --- | --- |
| Security Key Name |  |
| Enhancement Category |  |
| Related Options |  |
| Related Routines |  |
| Data Passing |  |
| Security Key Description |  |
| Subordinate Keys |  |
| Mutually Exclusive Keys |  |
| Granting Condition Logic |  |
| Current Logic |  |
| Modified Logic  (Changes are in bold) |  |
| Hierarchical Precedence |  |

Table 26: Security Keys

| Security Keys | Activities | | | |
| --- | --- | --- | --- | --- |
| Security Key Name | PRCA AUTOCRCT PGM | | | |
| Enhancement Category | New | Modify | Delete | No Change |
| Related Options |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCACPS |  |

| Security Keys | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| **Data Passing** | Input | Output | Both | Global Reference | Local Reference |
| **Security Key Description** | This is a key for the AR option 'PRCA AUTOCRCT PGM'. The 'PRCA AUTOCRCT PGM' option runs the Consolidated Patient Statement Auto-Correction program. | | | | |
| **Subordinate Keys** |  | | | | |
| **Mutually Exclusive Keys** |  | | | | |
| **Granting Condition Logic** |  | | | | |

| Current Logic |
| --- |
|  |

| Modified Logic (Changes are in bold) |
| --- |
|  |

| Security Keys | Activities |
| --- | --- |
| **Hierarchical Precedence** |  |

##### Options

Table 27: Options (Instructions)

| Options | Instructions |
| --- | --- |
| **Option Name**  **(MENU TEXT field)** |  |
| **Enhancement Category** |  |
| **Associated Menu Options that will invoke this reference** |  |
| **Data Passing** |  |
| **Menu Text Description** |  |
| **Option Type** |  |
| **Option Definition** |  |
| **Current Entry Action Logic** |  |
| **Modified Entry Action Logic (Changes are in bold)** |  |
| **Current Exit Action Logic** |  |
| **Modified Exit Action Logic**  **(Changes are in bold)** |  |

Table 28: Options

| Options | Activities | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Option Name** | PRCA ACCOUNT MANAGEMENT | | | | | | | | | | |
| **Enhancement Category** | New | Modify | | | | Delete | | | No Change | | |
| **Associated Menu Options that will invoke this reference** |  | | | | | | | | | | |
| **Data Passing** | Input | | Output | | Both | | | Global Reference | | | Local Reference |
| **Menu Text Description** |  | | | | | | | | | | |
| **Option Type** | Edit | | | Print | | | Menu | | | Inquire | |
| Action | | | Run Routine | | | Other | | |  | |
| **Associated Routine** |  | | | | | | | | | | |
| **Option Definition** | This option allows the user to enter or log information specific to a debtor account, such as, address information and comments. | | | | | | | | | | |

| Current Entry Action Logic |
| --- |
|  |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
|  |

| Current Exit Action Logic |
| --- |
|  |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
| ITEM: PRCA VEN BIL  ITEM: PRCA ACCOUNT INFORMATION  ITEM: PRCA BILL COMMENT  ITEM: PRCA FOLLOW-UP REPORTS  ITEM: PRCAY ACCOUNT PROFILE  ITEM: PRCAY FULL ACCOUNT PROFILE  ITEM: PRCA DEBTOR COMMENT  ITEM: PRCA TRANS HISTORY  ITEM: PRCA ACCOUNT CHECK  ITEM: PRCA DISC LIST  ITEM: RCAM ADDRESS UNKNOWN  ITEM: RCBD TRANSACTION STMT HISTORY  ITEM: RCBD REMOVE COMMENT FROM PS  **ITEM: PRCA AUTOCRCT PGM DISPLAY ORDER: 4**  **ITEM: PRCA AUTOCRCT RPT DISPLAY ORDER: 3** |

| Options | Activities | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Option Name** | PRCA AUTOCRCT PGM | | | | | | | | | | |
| **Enhancement Category** | New | Modify | | | | Delete | | | No Change | | |
| **Associated Menu Options that will invoke this reference** | PRCA ACCOUNT MANAGEMENT | | | | | | | | | | |
| **Data Passing** | Input | | Output | | Both | | | Global Reference | | | Local Reference |
| **Menu Text Description** |  | | | | | | | | | | |
| **Option Type** | Edit | | | Print | | | Menu | | | Inquire | |
| Action | | | Run Routine | | | Other | | |  | |
| **Associated Routine** | BEGIN^PRCACPS | | | | | | | | | | |
| **Option Definition** | This option runs the Auto-Correction program for Patient  Statement discrepancies. | | | | | | | | | | |

| Current Entry Action Logic |
| --- |
|  |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
|  |

| Current Exit Action Logic |
| --- |
|  |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
|  |

| Options | Activities | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Option Name** | PRCA AUTOCRCT RPT | | | | | | | | | | |
| **Enhancement Category** | New | Modify | | | | Delete | | | No Change | | |
| **Associated Menu Options that will invoke this reference** | PRCA ACCOUNT MANAGEMENT | | | | | | | | | | |
| **Data Passing** | Input | | Output | | Both | | | Global Reference | | | Local Reference |
| **Menu Text Description** | Auto-Correct Patient Discrepancy Report | | | | | | | | | | |
| **Option Type** | Edit | | | Print | | | Menu | | | Inquire | |
| Action | | | Run Routine | | | Other | | |  | |
| **Associated Routine** | PSACRT^PRCACPS | | | | | | | | | | |
| **Option Definition** | This option runs the Auto-Correction Patient Discrepancy Report for corrections made by the Patient Statement Auto-Correction Program. | | | | | | | | | | |

| Current Entry Action Logic |
| --- |
|  |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
|  |

| Current Exit Action Logic |
| --- |
|  |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
|  |

##### Protocols

Table 29: Protocols (Instructions)

| Protocols | Instructions |
| --- | --- |
| **Protocol Name** |  |
| **Enhancement Category** |  |
| **Associated Protocols** |  |
| **Data Passing** |  |
| **Item Text Description** |  |
| **Protocol Type** |  |
| **Associated Routine** |  |
| **Current Entry Action Logic** |  |
| **Modified Entry Action Logic  (Changes are in bold)** |  |
| **Current Exit Action Logic** |  |
| **Modified Exit Action Logic  (Changes are in bold)** |  |

Table 30: Protocols

| Protocols | Activities |
| --- | --- |
| **Protocol Name** |  |
| **Enhancement Category** | New  Modify  Delete  No Change |
| **Associated Protocols** |  |
| **Data Passing** | Input  Output  Both  Global Reference  Local Reference |
| **Item Text Description** |  |
| **Protocol Type** | Action  Menu  Protocol  Menu  Limited Protocol  Extended Action  Dialog  Other |
| **Associated Routine** |  |

| Current Entry Action Logic |
| --- |
|  |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
|  |

| Current Exit Action Logic |
| --- |
|  |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
|  |

##### Remote Procedure Call (RPC)

Table 31: Scope Inclusions

| RPCs | Instructions |
| --- | --- |
| **Name** |  |
| **TAG^RTN** |  |
| **Input Parameters** |  |
| **Results Array** |  |
| **Description** |  |

Table 32: RPCs

| RPCs | Activities | | |
| --- | --- | --- | --- |
| **Name** |  | | |
| **TAG^RTN** |  | | |
| **Input Parameters** |  | | |
| **Results Array** | Single Value | Array | Word Processing |
| Global Array | Global Instance |  |
| **Description** |  | | |

##### Constants Defined in Interface

Table 33: Constants Defined in Interface

| Name | Description |
| --- | --- |
|  |  |

##### Variables Defined in Interface

Table 34: Variables Defined in Interface

| Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### Types Defined in Interface

Table 35: Types Defined in Interface

| Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### GUI

Table 36: GUI

| Unit Name | Description |
| --- | --- |
|  |  |

##### GUI Classes

Table 37: GUI Classes (Instructions)

| GUI Classes | Instructions |
| --- | --- |
| **Class Name** |  |
| **Derived From Class** |  |
| **Purpose** |  |

Table 38: GUI Classes

| GUI Classes | Instructions |
| --- | --- |
| **Class Name** |  |
| **Derived From Class** |  |
| **Purpose** |  |

##### Current Form

Not applicable.

##### Modified Form

Not applicable.

##### Components on Form

Table 39: Components on Form

| Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### Events

Table 40: Events

| Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### Methods

Table 41: Methods

| Method Name | Procedure/Function | Description |
| --- | --- | --- |
|  |  |  |

##### Special References

Table 42 : Special References

| Special Reference Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### Class Events

Table 43: Class Events

| Name | Type | Description |
| --- | --- | --- |
|  |  |  |

##### Class Methods

Table 44: Class Methods

| Name | Procedure/Function | Description |
| --- | --- | --- |
|  |  |  |

##### Class Properties

Table 45: Class Properties

| Class Properties Name | Type | Visibility | Description |
| --- | --- | --- | --- |
|  |  |  |  |

##### Uses Clause

##### Forms

Table 46: Forms (Instructions)

| Forms | Instructions |
| --- | --- |
| **Form Name** |  |
| **Enhancement Category** |  |
| **Form Functionality** |  |
| **Current Form Layout** |  |
| **Modified Form Layout (Changes are in bold)** |  |

Table 47: Forms

| Forms | Description | | | |
| --- | --- | --- | --- | --- |
| **Form Name** |  | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Form Functionality** |  | | | |

| Current Form Layout |
| --- |
|  |

| Modified Form Layout (Changes are in bold) |
| --- |
|  |

##### Functions

Table 48: Forms (Instructions)

| Functions | Instructions |
| --- | --- |
| **Function Name** |  |
| **Short Description** |  |
| **Enhancement Category** |  |
| **Related Options** |  |
| **Related Routines** |  |
| **Data Dictionary (DD) References** |  |
| **Related Protocols** |  |
| **Related Integration Control Registrations (ICRs)** |  |
| **Data Passing** |  |
| **Input Attribute Name and Definition** |  |
| **Output Attribute Name and Definition** |  |
| **Current Logic** |  |
| **Modified Logic (Changes are in bold)** |  |

Table 49: Forms

| Function Name | Activities | | | |
| --- | --- | --- | --- | --- |
| **Short Description** |  | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Related Options** |  | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  |  |  |

| Function Name | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| **Data Dictionary (DD) References** |  | | | | |
| **Related Protocols** |  | | | | |
| **Related Integration Control Registrations (ICRs)** |  | | | | |
| **Data Passing** | Input | Output | Both | Global Reference | Local Reference |
| **Input Attribute Name and Definition** | Name: | | | | |
| Definition: | | | | |
| **Output Attribute Name and Definition** | Name: | | | | |
| Definition: | | | | |

| Current Logic |
| --- |
|  |

| Modified Logic (Changes are in bold) |
| --- |
|  |

##### Dialog

Table 50: Dialog (Instructions)

| Dialog | Instructions |
| --- | --- |
| **Dialog Message (Description)** |  |
| **Enhancement Category** |  |
| **Dialog Message (Description) Condition** |  |
| **Current Dialog Message (Description)** |  |
| **Modified Dialog Message (Description)  (Changes are in bold)** |  |

Table 51: Dialog

| Dialog | Instructions | | | |
| --- | --- | --- | --- | --- |
| **Dialog Message (Description)** |  | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Dialog Message (Description) Condition** |  | | | |
| **Current Dialog Message (Description)** |  | | | |
| **Modified Dialog Message (Description)  (Changes are in bold)** |  | | | |

##### Help Frame

Table 52: Help Frame (Instructions)

| Help Frame | Instructions |
| --- | --- |
| **Help Frame Text** |  |
| **Enhancement Category** |  |
| **Help Frame Text Calling Mechanism** |  |
| **Current Help Frame Text** |  |
| **Modified Help Frame Text (Changes are in bold)** |  |

Table 53: Help Frame

| Help Frame | Description | | | |
| --- | --- | --- | --- | --- |
| **Help Frame Text** |  | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Help Frame Text Calling Mechanism** |  | | | |

| Current Help Frame Text |
| --- |
|  |

| Modified Help Frame Text (Changes are in bold) |
| --- |
|  |

##### HL7 Application Parameter

Table 54: HL7 Application Parameter (Instructions)

| HL7 Application Parameter | Instructions |
| --- | --- |
| **HL7 Application Parameter Name** |  |
| **Enhancement Category** |  |
| **Application Status** |  |
| **Facility Name** |  |
| **Country Code** |  |
| **HL7 Field Separator** |  |
| **HL7 Encoding Characters** |  |
| **Mail Group** |  |

Table 55 : HL7 Application Parameter

| HL7 Application Parameter Name | Description |
| --- | --- |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Enhancement Category** | New | Modify | Delete | No Change |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Application Status** | Active | Inactive | Active | Inactive |

| Enhancement Category | Current | Modified |
| --- | --- | --- |
| **Facility Name** |  |  |
| **Country Code** |  |  |
| **HL7 Field Separator** |  |  |
| **HL7 Encoding Characters** |  |  |
| **Mail Group** |  |  |

##### HL7 Logical Link

Table 56: HL7 Logical Link (Instructions)

| HL7 Logical Link | Instructions |
| --- | --- |
| **HL7 Logical Link Parameter (LLP) Name** |  |
| **Enhancement Category** |  |
| **Node** |  |
| **Institution** |  |
| **Domain** |  |
| **Autostart** |  |
| **Queue Size** |  |
| **LLP Type** |  |

Table 57: HL7 Logical Link

| HL7 Logical Link | Description |
| --- | --- |
| **HL7 Logical Link Parameter Name** |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Enhancement Category** | **New** | **Modify** | **Delete** | **No Change** |

| Enhancement Category | Current | Modified |
| --- | --- | --- |
| **Node** |  |  |
| **Institution** |  |  |
| **Domain** |  |  |
| **Autostart** |  |  |
| **Queue Size** |  |  |
| **LLP Type** |  |  |

##### COTS Interface

Table 58: COTS Interface (Instructions)

| COTS Interface | Instructions |
| --- | --- |
| **Communication Method** |  |
| **Application Interface** |  |

Table 59: COTS Interface

| COTS Interface | Description |
| --- | --- |
| **Communication Method** |  |
| **Application Interface** |  |

## Network Detailed Design

N/A - Phase 1 of Patient Statement Enhancements addresses balance discrepancy remediation and will be accomplished within the framework of VistA Accounts Receivable at the local VA sites. Therefore, no significant impact on network design or resources is expected.

## Security and Privacy

### Security

VA requires that application enhancements address standards, procedures, and technical aspects of the solution required for achieving system certification and accreditation. These should address controls listed in Federal Information Processing Standards (FIPS) PUB 200, Minimum Security Requirements for Federal Information and Information Systems. Additional security specifications include:

Compliance with NIST 800-53 Revision 4.

Compliance with standards and regulatory requirements published in VA Handbook and Directive 6500: Veterans Affairs Directives > VA Handbook and Directive 6500

Compliance with FIPS PUB 140-2, Security Requirements for Cryptographic Modules, and for all voice and data traffic encryption: Computer Security Division > Publications > Federal Information Processing Standards > FIPS PUB 140-2.

Additionally, due to patient safety considerations, data protection measures such as backup intervals and redundancy shall be consistent with systems categorized as critical.

### Privacy

Not applicable.

### Service Oriented Architecture / ESS Detailed Design

Not applicable.

### Service Description for <Consumed Service Name>

Not applicable.

### Service Design for <Provided Service Name>

Not applicable.

#### Introduction

Not applicable.

##### Purpose and Scope of Service

Not applicable.

##### Links to Other Documents

Not applicable.

#### Service Details

Not applicable.

##### Service Identification

Table 60: Service Attribute and Value

| Service Attribute | Value |
| --- | --- |
| Overview |  |
| Version |  |
| Latest Status |  |
| Service Type |  |
| Architecture Layer |  |
| Business Domain |  |
| Service Domain |  |
| Business Organization and Owner |  |
| Technical Organization and Owner |  |
| Development Organization and Owner |  |
| Support Organization and Owner |  |
| Target Consumer Organization(s) and Owner(s) |  |

##### Service Versions

Table 61 : Service Versions

|  |  |  |
| --- | --- | --- |
| Version Numbers | Current Status of Version | A Brief Description of the change implemented in that version |
|  |  |  |
|  |  |  |
|  |  |  |

##### Summary of Design and Platform Details

Not applicable.

###### SOA Pattern(s) Implemented

Not applicable.

###### COTS Platform vendor names and versions for hosting platform

Not applicable.

#### Service Design Details

Not applicable.

##### Interface Technical Specs

Not applicable.

###### Service Invocation Type

Not applicable.

###### Service Interface Type

Not applicable.

###### Service Name

Not applicable.

###### Interface

Not applicable.

###### End Points

Not applicable.

###### Operations or Methods

Table 62: Operations

| Operation Name | Inputs | Outputs | Transactional Qualities if relevant (Updating?, Atomic?, Can participate in transaction?) | Pre and Post Conditions | Exception (s) |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

###### Message Schemas

Not applicable.

##### Information Model

Not applicable.

###### Class Diagram and Description of Entities Involved

Not applicable.

###### Mappings from ELDM to Standards Based Schemas

Not applicable.

##### Behavior Model (AKA Use Case Realization)

Not applicable.

###### Use Cases (Use Case Model)

Not applicable.

###### Interaction Diagrams

Not applicable.

#### Gap Analysis

Table 63 : Gap Analysis

| Design Elements🡪  Policies / SLD elements etc.↓ | Design  Element A | Design  Element B | Design  Element C | Comment for non-conformance |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

##### Variances from Enterprise Target Architecture

Not applicable.

##### Variances from SLDs

Not applicable.

##### Variances from Standards and Policies

Not applicable.

##### Justification for Exceptions and Mitigation

Not applicable.

# External System Interface Design

## Interface Architecture

Not applicable.

## Interface Detailed Design

Not applicable.

# Human-Machine Interface

## Interface Design Rules

Not applicable.

## Inputs

Not applicable.

## Outputs

Not applicable.

## Navigation Hierarchy

Not applicable.

### Screen [x.1]

### Screen [x.2]

### Screen [x.3]

# 

# Attachment A – Approval Signatures

This section is used to document the approval of the System Design Document. The review should be conducted face to face where signatures can be obtained ‘live’ during the review. If unable to conduct a face-to-face meeting then it should be held via LiveMeeting and concurrence captured during the meeting. The Scribe should add /es/name by each position cited. Example provided below.

The Business Sponsor and Project Manager are required to sign.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

Business Sponsor

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

Project Manager

1. Additional Information
   1. Identification of Technology and Standards
   2. Constraining Policies, Directives and Procedures
   3. Requirements Traceability Matrix
   4. Packaging and Installation
   5. Design Metrics

Template Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| June 2015 | 2.10 | Changed Heading 1 default setting to eliminate page break before | Process Management |
| May 2015 | 2.9 | Edited for Section 508 conformance and remediated with Common Look Office tool | Process Management |
| February 2015 | 2.8 | Incorporates revisions from PMAS Reform Lockdown; namely removing requirements for information that can be obtained from other PMAS authoritative sources. | Andrew Slawter, Office of Technology Strategies |
| September 2014 | 2.7 | Adds Enterprise Shared Services terms and requires AERB Compliance Certificate attachment. | Process Management |
| August 2014 | 2.6 | Signature block update authorized by AERB CR\_018934 | Process Management |
| March 2014 | 2.5 | Section 508 repairs to new version approved by AERB Chair approved | Process Management |
| August 2013 | 2.3 | Replaced the Service Architecture sub-section with new sub-sections for consumed and provided services. Also applied miscellaneous feedback from VA team. | ASD Enterprise Shared Services (ESS) Work Group |
| June 2013 | 1.3 | Upgraded to MS Office 2007-2010 format | Process Management |
| June 2013 | 1.2 | Address inconsistencies in Section 3, Conceptual Design, Correct headings | Process Management |
| March 2013 | 1.1 | Formatted to documentation standards and edited for Section 508 conformance | Process Management |
| January 2013 | 1.0 | Initial Document | PMAS Business Office |

See TOGAF® 9.1, Part III: ADM Guidelines & Techniques, Gap Analysis on TOGAF website at <http://pubs.opengroup.org/architecture/togaf9-doc/arch/chap27.html>