Version Description Document

Purchased Care

Program Integrity Enhancements (PC-PIE)

v3.0



March 2017

Document Version 3.0

Department of Veterans Affairs

Document Revision History

| Date | Document Version | Description | VDD Author / Team Role | VA Group or Contract Company |
| --- | --- | --- | --- | --- |
| 03/15/2017 | 3.0 | Updated Deliverable (Product) Version History on page iiUpdated Baseline and Component Table on page 2 | Sowmya Rachaputi  Athar Ahmad | By Light  Professional IT  Services, Inc. |
| 02/23/2017 | 2.0 | As per HAC Team’s feedback:Updated Section: CCM/RTC Build Definition Updated Section: Build Logs  Updated Section: Release (Deployment) Information | Sowmya Rachaputi  Athar Ahmad | By Light  Professional IT  Services, Inc. |
| 02/07/2017 | 1.0 | Initial draft | Sowmya Rachaputi  Athar Ahmad | By Light Professional IT Services, Inc. |

Deliverable (Product) Version History

| Date | Release / Revision | Description | Project Name | VA Department |
| --- | --- | --- | --- | --- |
| March 6th, 2017 | 1.0 | Promotion of PIT ETL code to Production | Purchased Care Program integrity Enhancements (PC-PIE) | AITC |
| March 27th, 2017 | 2.0 | Production Deployment PC-PIE end to end process | Purchased Care Program Integrity Enhancements (PC-PIE) | HAC/AITC |

VA requires the Version Description Document (VDD) to identify, maintain, enhance, and recreate the product (IT asset) throughout its lifecycle. The VDD reinforces strong risk management practices and helps protect VA from loss of the product (IT asset), which is especially important with a regular rotation of personnel and contractors.

The VDD is a mandated document that will be verified prior to Release.

The VDD is the authoritative inventory and roadmap of all Configuration Items that make up the deployable product/system. Configuration Items include source code files, builds/packaging, tools, baselines, locations, and associated product files. The VDD is itself a Configuration Item maintained under change control in the TRM-approved configuration management system, which is part of the VA Federated Configuration Management Data Base (CMDB).

Project Managers and Configuration Managers use the VDD template as a tool for managing Configuration Items and baselines associated with the deployable product. It is the responsibility of the Project Manager to ensure the processes are followed within the product build process (ProPath, Product Build: BLD-1 Develop Product Component). The expectation is that the VDD is controlled just as a source file with having one VDD per Product that has many versions being managed within the SCM repository following baseline processes. The IT Configuration Managers (or IT Architect/Development Lead) ensure that creation and modification of the Products VDD is integrated with any parallel activities being performed on the said product. The Configuration Manager creates/updates the VDD each time the deliverable (file set) leaves the development environment, such as for testing or deployment. The VDD is the representation and result of the Software Configuration Management Procedures being

followed. The Product Procedures along with work instruction are to be created and maintained by the IT Configuration Managers (or IT Architect/Development Lead). For product procedure information, refer to the Software Configuration Management Procedures Template (ProPath, Project Planning: PRP 3.7). The Project Manager is responsible for ensuring the Configuration Manager maintains versions of the VDD and deliverables (files) in the TRM-approved configuration management system.

Table of Contents

[General Configuration Management (CM) Information 1](#_Toc474234291)

[Configuration Management (CM) Tools 1](#_Toc474234292)

[Configuration Management of Documents 1](#_Toc474234293)

[Rational Change and Configuration Management (CCM) Documents 1](#_Toc474234294)

[Configuration Management Development Files (Ex. Source, JSP, Configuration, and Build Files) 2](#_Toc474234295)

[Rational Change and Configuration Management (CCM) Repository (Formerly RTC) 2](#_Toc474234296)

[Baseline and Component 2](#_Toc474234297)

[Build Information 3](#_Toc474234298)

[CCM/RTC Build Definition 3](#_Toc474234299)

[Build Label or Number 4](#_Toc474234300)

[Build and Packaging 4](#_Toc474234301)

[Build Logs 4](#_Toc474234302)

[Build System/Process Information 4](#_Toc474234303)

[Change Tracking 4](#_Toc474234304)

[Rational Change and Configuration Management (CCM) Repository (Formerly RTC) 4](#_Toc474234305)

[Release (Deployment) Information 8](#_Toc474234306)

# General Configuration Management (CM) Information

| Deliverable (Product) Name | Configuration Manager | VDD Package Name | Project / Delivery Team |
| --- | --- | --- | --- |
| Purchased Care Program Integrity Enhancements  (PC-PIE) | Shadi Soliman | N/A | By Light/IBM Team |

# Configuration Management (CM) Tools

| CM Tools | CM Tool Location | Tool  Onsite/  Offsite | CM Tool Access  Point of Contact | Access Information (Forms or other access requirements) |
| --- | --- | --- | --- | --- |
| IBM Rational Requirements  Composer, v6.0.1 | VA Rational Jazz Server | Onsite | Ted Gauckler  Richard Muller | RTSUB Rational Tools Team |
| IBM Rational Team Concert, v6.0.1 | VA Rational Jazz Server | Onsite | Ted Gauckler  Richard Muller | RTSUB Rational Tools Team |
| IBM Rational Quality Manager v6.0.1 | VA Rational Jazz Server | Onsite | Ted Gauckler  Richard Muller | RTSUB Rational Tools Team |

# Configuration Management of Documents

## Rational Change and Configuration Management (CCM) Documents

The CCM/RTC location for the documents and CCM/RTC explanation for the information.

| CCM/RTC Information | Explanation |
| --- | --- |
| **CCM URL** | <https://clm.rational.oit.va.gov/ccm/web> |
| **CCM Project Area** | VHA\_CBO\_PC-PIT (CM) |
| **CCM Team Area** | VHA\_CBO\_PC-PIT (CM) |
| **CCM Stream** | VHA\_CBO\_PC\_PIT\_Documentation |
| **Baseline ID** | VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| **Components** | VHA\_CBO\_PC\_PIT\_Documentation |
| **Directory Path** | [Path where documents are located](https://clm.rational.oit.va.gov/ccm/web/projects/VHA_CBO_PC-PIT%20(CM)#action=com.ibm.team.scm.browseElement&workspaceItemId=_LtaScHXqEeatBrIrfnGgEA&componentItemId=_LzXwgnXqEeatBrIrfnGgEA&itemType=com.ibm.team.scm.Folder&itemId=_TZU1QHXqEeaZ8IsH7B92AQ) |
| **Documents Included**  **In the Baseline** | * ATO\_Memo\_120\_Days\_Purchase\_Care\_Program\_Integrity\_Tool\_October\_11\_2016.pdf * PCPIE\_Acquisition\_Financial\_Management\_Plan\_v1.1.pdf * Risk Issue Register –PCPIE-11022016.xlsx * Risks Issues 20160919 PC-PIE.xlsx * SLAM 16-089 PCI (H06).pdf * PC-PIE\_Validation Statement\_Final\_20161123PW004.pdf |

# Configuration Management Development Files (Ex. Source, JSP, Configuration, and Build Files)

## Rational Change and Configuration Management (CCM) Repository (Formerly RTC)

The CCM/RTC location for the development files (source) and CCM/RTC explanation for the information.

| CCM/RTC Information | Explanation |
| --- | --- |
| **CCM URL** | [https://clm.rational.oit.va.gov:443/ccm](https://clm.rational.oit.va.gov/ccm) |
| **CCM Project Area** | VHA\_CBO\_PC\_PIT (CM) |
| **CCM Team Area** | VHA\_CBO\_PC\_PIT (CM) |
| **Stream** | [https://clm.rational.oit.va.gov/ccm/web/projects/VHA\_CBO\_PC-PIT%20(CM)#action=com.ibm.team.scm.showStreams](https://clm.rational.oit.va.gov/ccm/web/projects/VHA_CBO_PC-PIT%20(CM)%23action=com.ibm.team.scm.showStreams) |

### 

### Baseline and Component

Where a set of artifacts are identified as baselined, grouped and managed.

| Name | Description |
| --- | --- |
| CHPI\_1\_1\_UTI111\_9162016.KID | Baseline of artifacts of build 1 for VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| CHPI\_1\_1\_UTI112\_9232016.KID | Baseline of artifacts of build 1 for VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| CHPI\_1\_1\_UTI113\_9302016.KID | Baseline of artifacts of build 1 for VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| CHPI\_1\_1\_UTI441\_10072016.KID | Baseline of artifacts of build 1 for VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| PCPIEEXTRACT.KID | Baseline of artifacts of build 1 for VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| CPE\_20170206.dsx | Baseline of artifacts of build 2 for  VHA\_CBO\_PC\_PIT\_Release\_1.0 |
| PCPIEEXTRACT\_0308017 | Baseline of artifacts of build 2 for  VHA\_CBO\_PC\_PIT\_Release\_1.0 |

### Build Information

General build information that results from the build process.

| Name | Description |
| --- | --- |
| **Build Output** | Daily/Historical Extract from CP&E systems goes to HAC Folder. HAC Folder path is as below:  FS3BIG(\\vhahacfs3.vha.med.va.gov)\PIE\Prod |
| **Build Output Directory** | PIT Drop Zone Directory path:  \\vaauspcisql20\in\CPE |
| **Target Deployment Location** | PIT Enterprise Data Repository |

### CCM/RTC Build Definition

The name of the build definition, which controls what, is built and how it is built.

| **Name** | **Description** |
| --- | --- |
| Build 1 | CP&E Extract |
| Build1: Sprint 1 | Database Analysis   * Analysis of HAC CP&E Database * Develop Database Documents |
| Build1: Sprint 2 | Coding for Data Extract |
| Build1: Sprint 3 | Internal Testing |
| Build 2 | Integration of the extract into PIT |
| Build 2: Sprint 1 | Design |
| Build 2: Sprint 2 | Development |
| Build 2: Sprint 3 | System Testing + User Testing |
| Build 3 | Release PIT ETL Code |
| Build 4 | Release CP&E Extract Code |

### Build Label or Number

The identifier for the derived object or package that was produced for deployment and/or install.

| **Name** | **Description** |
| --- | --- |
| PIT v4.2.5.1 | PIT/PC-PIE Interface |

# Build and Packaging

## Build Logs

| **Name** | **Version** | **Location** |
| --- | --- | --- |
| PCPIEEXTRACT\_02242017.KID | Version 1.0 | USER$:[TEMP] |

## Build System/Process Information

N/A

# Change Tracking

| Change Tracking Tool | Change Tracking Tool Location | Tool  Onsite/  Offsite | Change Tracking Tool Access / POC | Access Information (Forms or other access requirements) |
| --- | --- | --- | --- | --- |
| IBM Rational Team Concert, v6.0 | VA Rational Jazz Server | Onsite | Ted Gauckler  Richard Muller | RTSUB Rational Tools Team |

## Rational Change and Configuration Management (CCM) Repository (Formerly RTC)

| Location | Terms |
| --- | --- |
| **CCM URL** | https://clm.rational.oit.va.gov/ccm/web/projects/VHA\_CBO\_PC-PIT%20(CM)#action=com.ibm.team.workitem.viewWelcome |
| **CCM Project Area** | VHA\_CBO\_PC\_PIT (CM) |
| **CCM Team Area** | VHA\_CBO\_PC\_PIT (CM) |

| Work Item ID | Build 1: Sprint – 2 Summary |
| --- | --- |
| 360685 | Epic 1: User Task 1.1.1: The CP&E system shall transfer historical claim data to ensure the following post-payment member(Veteran or Beneficiary) claim data is present   1. Protected Identifiable information (PII) 2. Personal Health Information (PHI) 3. Vendor Information |
| 360686 | Epic 1: User Task 1.1.2: The PIT system shall receive CHAMPVA, Spina Bifida and FMP historical claims from CP&E that contain data for the prior six (6) years worth of historical data (in multiple manageable files) into the PIT for use. |
| 360688 | Epic 1: User Task 1.1.3: The PIT system shall not score the CP&E historical claim data. |
| 360689 | Epic 4: User Task 4.4.1: The CP&E system shall identify CP&E as the data source for claim data |
| 360690 | Epic 4: User Task 4.4.3: The CP&E system shall define each claim by a unique combination of the following:   1. Source System ID 2. Source System Claim ID |

| Work Item ID | Build 1: Sprint – 3 Summary |
| --- | --- |
| 360691 | Epic 7: User Task 7.1.1 The PIT system shall receive a properly formatted claim and prepare it for storage. |

| Work Item ID | Build 2: Sprint – 2 Summary |
| --- | --- |
| 362006 | Epic 4:User Task 4.1.1: The CP&E shall transfer claim data daily to the PIT Drop zone to ensure that the following post-payment member (Veteran or Beneficiary) claim data is present   1. Protected Identifiable information (PII) 2. Personal Health Information (PHI) 3. Vendor Information |
| 362034 | Epic 4: User Task 4.2.1: The PIT system shall provide the capability to view status data for the previous day’s data extractions. An automated activity log email will be sent to the CP&E POC daily, no user action required. ETL Tool extraction status data shall include:   1. Size of data received 2. Quantity of data received 3. Counts of errors in the data 4. Size of data after being conformed 5. Execution status of scheduled transformations 6. Issues with scheduled transformations |
| 362049 | Epic 4: User Task 4.3.1: The PIT system shall extract the claim data from CP&E source file(s)   1. The PIT system shall integrate all agreed-upon CP&E data elements based on requirements elaboration with VA stakeholders. 2. The CP&E PIT interface file and PIT repository shall include required fields from CP&E FMP claims. |
| 362083 | Epic 4: User Task 4.5.1: The PIT system shall provide the capability to produce activity log for a user specified time period showing the amount and type of data transferred. |
| 362086 | Epic 4: User Task 4.5.2: The PIT system shall provide an automated email activity log for all connection activity related to CP&E. The activity log shall include:   1. Timestamp 2. Source System Identifier 3. Connection success/failure 4. Number of records transferred 5. Log Date 6. Batch Number 7. Data Repository Claim ID |
| 362090 | Epic 4: User Task 4.6.2: The PIT system shall allow a user to configure a report to select data fields transmitted to the PIT by CP&E |
| 362111 | Epic 6: User Task 6.1.1: The PIT system shall send daily activity log email regarding the CP&E extracted claims data transfer when:   1. Transmission is successful 2. Transmission of the CP&E source file has corrupt records 3. Transmission of the CP&E source file is corrupted 4. Transmission of the CP&E source file fails |
| 362135 | Epic 7: User Task 7.2.1: The PIT system shall map CP&E claim data into a data format acceptable for storage in the PIT. |
| 362140 | Epic 7: User Task 7.3.1: The PIT system shall only store CP&E claims in the PIT repository that contain the minimum data elements, to include:   1. Approximately 220 fields for Provider claims 2. Approximately 340 fields for institutional claims |

| Work Item ID | Build 2: Sprint – 3 Summary |
| --- | --- |
| 362150 | Epic 3: User Task 3.1.1: The PIT system shall provide the ability to view data down to the individual claim level for CP&E in the existing Reporting Tool. |
| 362154 | Epic 3: User Task 3.1.2: The PIT system shall have the capability for existing reports to be utilized for CP&E claim data in the existing Reporting Tool. |
| 362158 | Epic 3: User Task 3.2.1: The PIT system shall be able to generate fully customized reports based on CP&E claim data in the existing Reporting Tool. |
| 362162 | Epic 3: User Task 3.2.2: The PIT system shall maintain the existing reporting functionality with no impacts due to additional reporting requirements |
| 362170 | Epic 4: User Task 4.1.2: The PIT system receive CHAMPVA, SPINA BIFIDA, and FMP claims from CP&E |
| 362177 | Epic 4: User Task 4.1.3: The PIT system shall load CP&E claims data for auditing and analysis purposes. These claims are sent to the PIT repository and not back to CP&E |
| 362189 | Epic 4: User Task 4.4.2: The PIT system shall validate all claim data for the total number of the total number of records on each file representing the source database, date range and if available terminal state payment information. |
| 362191 | Epic 4: User Task 4.4.4: The PIT system shall verify that the CP&E claim data is not missing fields. |
| 362195 | Epic 4: User Task 4.6.1: The PIT system shall provide users the capability to create ad-hoc queries and reports for a user specified time period using the existing Reporting Tool. |
| 362199 | Epic 7: User Task 7.1.2: The PIT system shall evaluate the information received to ensure that the file conforms to the expected mandatory data elements such as the correct dataset-id and claim-id. |
| 362203 | Epic 7: User Task 7.2.2: The PIT system shall store all CP&E claim data into the PIT repository. |

# Release (Deployment) Information

| Release Identification | Release Package POC Name | Release Package POC Email |
| --- | --- | --- |
| PIT v4.2.5.1 | Moseley, Michael (AITC)  Kennedy, Sean (HAC) | [Jon.Moseley@va.gov](mailto:Jon.Moseley@va.gov)  [Sean.kennedy2@va.gov@va.gov](mailto:Sean.kennedy2@va.gov@va.gov) |

| Release Package (Component) Identified | Release Package Description | Release Package Delivery Method | Release Package Location |
| --- | --- | --- | --- |
| CP&E Extract | Daily and History extract code | KIDS Build | FS3BIG(\\vhahacfs3.vha.med.va.gov)\PIE\Prod |