Department of Veterans Affairs (VA)

Benefits Claims Decision Support System (BCDSS)

**Test Configuration**

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**March 2017**

**Version 1.2**

Revision History

| **Date** | **Version** | **Description** | **Author** | **Reviewer** |
| --- | --- | --- | --- | --- |
| 2017-03-14 | 1.2 | Updated [Test Configuration with integration testing](#_Test_Configuration) | Bhupinder Singh | Evan Weber |
| 2017-02-14 | 1.1 | Updated [Introduction](#_Introduction) | Bhupinder Singh | Evan Weber |
| 2017-01-17 | 1.0 | No Change except Monthly label update | Bhupinder Singh |  |
| 2016-12-21 | 0.9 | Updated Database Details in [Test Configuration](#_Test_Configuration) | Bhupinder Singh | Evan Weber |
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| 2016-10-21 | 0.7 | No Change except Monthly label update | Bhupinder Singh | Evan Weber |
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| 2016-08-18 | 0.4 | No Change except Monthly label update | Bhupinder Singh | Rebecca Garcia DeJesus |
| 2016-07-18 | 0.3 | [Renamed to configuration instead of file](#_top)  & [added DB reference](#_Test_Configuration). | Bhupinder Singh | Rebecca Garcia DeJesus |
| 2016-06-20 | 0.2 | Modified with formatting | Bhupinder Singh | Rebecca Garcia DeJesus |
| 2016-04-21 | 0.1 | Initial Version | Bhupinder Singh | Rebecca Garcia DeJesus |

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# Introduction

The purpose of this document is to provide a detailed test configuration to help the testing process during the Benefits Claims Decision Support System (BCDSS) testing and development efforts to verify and validate the requirements. The test configuration management file will include detailed virtual environmental conditions and configuration data to execute successful testing of the application functionality as per requirements.

# Abstract

Configuration management plays a vital role in software development, design, and launch both in software and hardware. This project shows how important Test Configuration and the virtual machine environment is for development and testing efforts.

# Test Configuration

The Contractor must develop all software and tests through access to anonymized Claims and Veteran data and the Future Technologies Laboratory (FTL)-GC environments provided by the Department of Veterans Affairs (VA). All testing and demonstration of the prototype will be done exclusively in the VA FTL virtual environment to the maximum extent practicable for all testing and development work as described in the Performance Work Statement (PWS). The scope of this configuration is to demonstrate comprehensive functional and integration testing of the developed software.

The Test Team will use the FTL in order to facilitate a safe and stable environment for development and testing. This approach will include access to a collaborative wiki system and limited knowledge base in addition to the basic, virtual machine environment for development and testing. Access to the FTL will be obtained and managed via the Innovation Web Help Desk.

The testing area will consist of a shared pilot environment that mimics the production environment where the innovation(s) may be tested. Typically, these areas will be provisioned with a virtualized copy of the Freedom of Information Act (FOIA) version or another version of Windows depending on availability. These areas will only come with a small amount of fabricated data, but additional data may be generated using tools and utilities found in the environment. Virtual machine configurations are transparent and may be built upon.

The Contractor must update the BCDSS to address requested modifications or to correct any deficiencies found during the development process. Once the BCDSS updates have been made, the Contractor shall re-test the functionality.

With regard to the FTL, the resources provided by the Government are limited to the following:

1) Collaborative wiki system and limited knowledge base

2) Basic, virtual machine environment for development and testing

3) Small amount of fabricated data

The FTL includes a virtualized development and testing area supported by common services. Development and testing areas will be provisioned with a centralized source code repository, which allows read access for any authenticated user to help facilitate project transparency. The development area of the FTL will provide access to VA-specific resources necessary to pursue the innovation(s); for example, shared instances of operating systems.

The development and Test Team will support the VA enterprise management framework. In association with the framework, the Team will comply with the Office of Information & Technology (OI&T) Technical Reference Model (One-VA TRM). One-VA TRM is one component within the overall Enterprise Architecture (EA) that establishes a common vocabulary and structure for describing the information technology used to develop, operate, and maintain enterprise applications. One-VA TRM includes the Standards Profile and Product List that collectively serve as a VA technology roadmap.

**Test Data Reference:** The following database was used during development/testing process.

**Database Details:** DB: DEV.BCDSS, TEST BCDSS, Server: IBCDS408, Port: 1521

# Approval Signatures

This section is used to document the initial approval of Benefits Claims Decision Support System Test Configuration Management Document and subsequent updates and modifications of this document.

All members of the governing Management Team are required to sign:

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Signed: Date:

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Signed: Date: