

# **Department of Veterans Affairs**

## **Mobile Health External Development (MHED)**

### **Requirements Specification Document**



September 2013

**Version 1.0**

## Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Requirements Specification Document has been baselined.

Date	Version	Description	Author
9/20/2013	1.0	Initial Version	MAP

## Artifact Rationale

The Requirements Specification Document (RSD) records the results of the specification gathering processes carried out during the Requirements phase. The RSD is generally written by the functional analyst(s) and should provide the bulk of the information used to create the test plan and test scripts. It should be updated for each increment.

The level of detail contained in this RSD should be consistent with the size and scope of the project. It is not necessary to fill out any sections of this document that do not apply to the project. The resources necessary to create and maintain this document during the life cycle of a large project should be acknowledged and clearly reflected in project schedules. Do not duplicate data that is already defined in another document or a section in this document; note in the section where the information can be found.

## Table of Contents

<b>1. Introduction .....</b>	<b>1</b>
1.1. Purpose .....	1
1.2. Scope .....	1
1.3. References .....	1
<b>2. Overall Description .....</b>	<b>1</b>
2.1. Accessibility Specifications.....	1
2.2. Business Rule Specification.....	1
2.3. Design Constraints Specification.....	1
2.4. Disaster Recovery Specification .....	2
2.5. Functional Specifications .....	2
2.5.1. MBB Access Methods .....	2
2.6. Graphical User Interface (GUI) Specifications .....	2
2.7. Multi-divisional Specifications.....	3
2.8. Performance Specifications.....	3
2.9. Quality Attributes Specifications.....	3
2.10. Reliability Specifications.....	3
2.11. Scope of Integration .....	3
2.12. Security Specifications .....	4
2.13. System Features .....	4
2.14. Usability Specifications.....	5
<b>3. Applicable Standards .....</b>	<b>5</b>
<b>4. Interfaces.....</b>	<b>5</b>
<b>5. Legal, Copyright, and Other Notices .....</b>	<b>5</b>
<b>6. Purchased Components.....</b>	<b>5</b>
<b>7. User Class Components.....</b>	<b>5</b>
<b>8. Appendix A – Mobile Blue Button (MBB) .....</b>	<b>6</b>
8.1. User Stories and Acceptance Criteria.....	6
<b>9. Appendix B – Summary of Care.....</b>	<b>7</b>
9.1. User Stories and Acceptance Criteria.....	7
<b>10. Veterans Appointment Request (VAR) Application.....</b>	<b>8</b>
10.1. User Stories and Acceptance Criteria.....	8
10.2. Graphical User Interfaces (GUI) Mockups .....	8
10.3. User Class Characteristics .....	8
<b>11. Veteran Appointment Application Clerks (VAAC) .....</b>	<b>9</b>
11.1. User Stories and Acceptance Criteria.....	9

11.2.Graphical User Interfaces (GUI) Mockups .....	9
11.3.User Class Characteristics .....	9
<b>12. LaunchPad .....</b>	<b>10</b>
12.1.User Stories and Acceptance Criteria.....	10
12.2.User Class Characteristics .....	10
<b>13. Approval Signatures .....</b>	<b>11</b>

# 1. Introduction

## 1.1. Purpose

The RSD specifies the functions, user stories, and technology that are to be implemented by the Mobile Health External Development (MHED) project. The purpose of the document is to capture and articulate the Functional and Non-Functional Requirements of the web and mobile applications that are part of the MHED solution. The intended audience is both the business community, who supplies and approves the requirements, and the developer who will provide the software and hardware that will make up the MHED solution. This document serves as the baseline to further define the scope of the project and verify the quality of the solution.

## 1.2.Scope

The scope of this document is to cover the standard non functional requirements for mobile application software for the MHED project. The MHED project consists of several web and mobile projects. This RSD will focus on the following: Mobile Blue Button, Summary of Care, LaunchPad and the complimentary Veterans Appointment Request and VA Appointment Clerk applications. The functional requirements for each application will be provided as an addendum to this overarching RSD.

## 1.3.References

- Veteran Appointment Request App and Clerk App Concept Paper for Mobile Blue Button v2 28 May 2012
- Veteran Web App User April 14 2014 v1.0
- Mobile Health External Development (MHED) Health Adapter System Design Document (SDD) September 2013 v1.0

# 2. Overall Description

## 2.1.Accessibility Specifications

Not applicable at this time.

## 2.2.Business Rule Specification

Please see the user story acceptance criteria for each mobile application appended to this document for applicable business rules.

## 2.3. Design Constraints Specification

ID	Requirement
	Transport Layer Security (TLS) – XML/JSON used. XML provides a mechanism to impose constraints on the storage layout and logical structure.

## 2.4. Disaster Recovery Specification

Not applicable at this time. This information is viewed from VistA, HDR, and or CDW, disaster recovery procedures are in place for those systems.

## 2.5. Functional Specifications

Refer to the following locations within this document to view the functional specifications for each application:

- Mobile Blue Button – Appendix 8
- Summary of Care – Appendix 9
- Veterans Appointment Request – Appendix 10
- Veterans Appointment Application Clerk – Appendix 11
- LaunchPad – Appendix 12

### 2.5.1.MBB Access Methods

ID	Requirement
	Veteran using this capability will have DSLogon Credentials.

## 2.6.Graphical User Interface (GUI) Specifications

ID	Requirement
	Icon is visible on the LaunchPad
	Icon is visible on the Desktop
	When authentication/authorization successful user can see username
	When authentication is successful, but not authorized, user is prompted with an Authorization screen
	Clicking the logout button ends the current authentication session - LaunchPad is the only app that has a logout button. All other apps will implement a "Return to LaunchPad" button to ensure user goes to Launchpad to logout.
	When authentication is unsuccessful, user is notified User is notified when internet connection is not available
	User is notified when connection to server is not available
	User receives notice that authenticated session has ended.

ID	Requirement
	There is a button in XXX app allowing user to go back to LaunchPad
	System displays a "spinner" indicating processing is in progress
	Apps that utilize more than 1 view/screen presentation should have a "return to main screen" button
	Application session ends after specified elapsed time (timeout)
	Apps that utilize VA data need to implement/support the automated timeout feature in the framework
	Opening any app that utilizes data retrieved from VA systems results in no display of user data until re-authentication occurs.
	Switching to an app that was previously open (and requires authentication), the user will be prompted for credentials prior to re-opening.
	Detect and properly handle browser manufacturer & version

## 2.7.Multi-divisional Specifications

Not applicable at this time.

## 2.8.Performance Specifications

ID	Requirement
	The MBB solution will have the ability to support up to 5000 concurrent users.

## 2.9.Quality Attributes Specifications

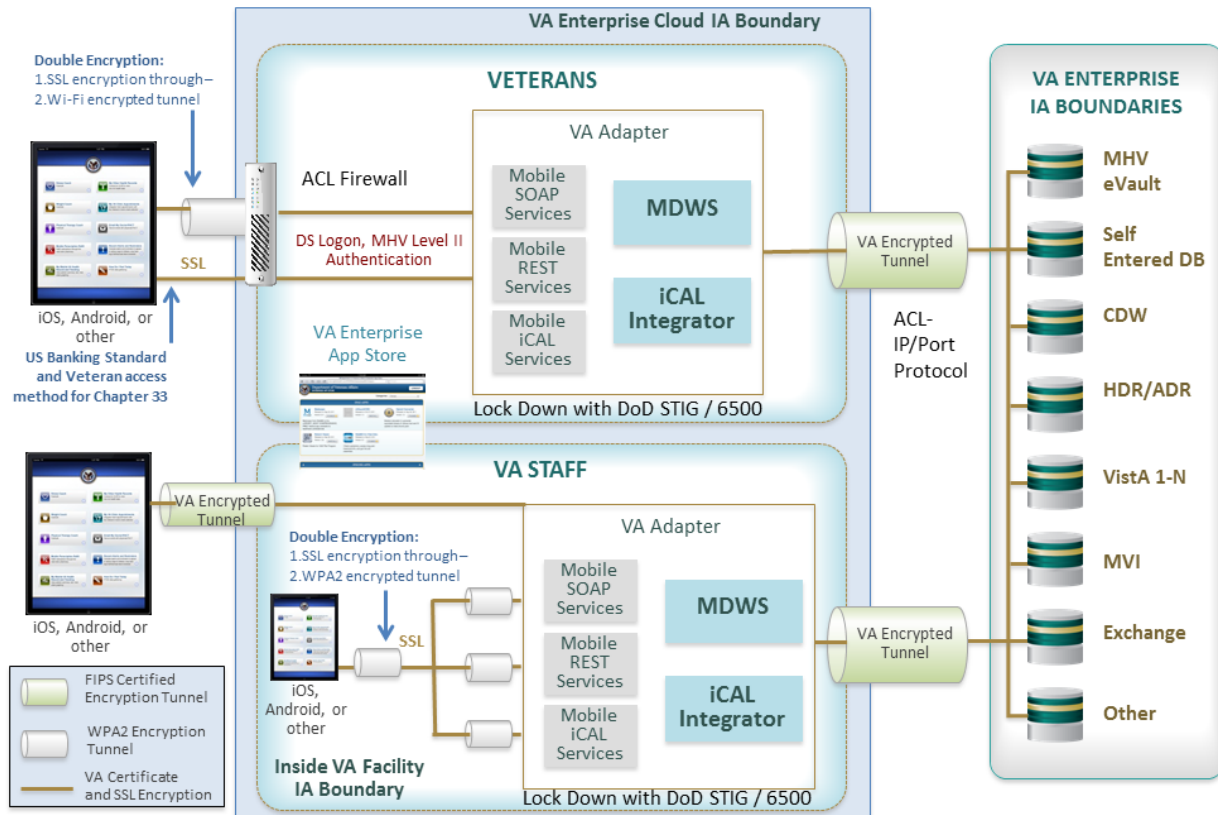
Not applicable at this time.

## 2.10. Reliability Specifications

The MBB solution will need to meet availability requirements as defined by the VA for this type of system.

## 2.11. Scope of Integration

The following figure provides a diagram of the context in which MBB is to be deployed. For more detailed information, please refer to the MHED Health Adapter System Design Document



ID	Requirement
	Veteran facing applications will use DS Logon to authenticate users
	Department of Veteran Affairs facing applications will use VistA credentials to authenticate users.

## 2.12. Security Specifications

ID	Requirement
	The applications will support SSL and Transport Layer Security
	Log information is persisted to the file system which is mitigated by various physical and logical controls outside the scope of this document

## 2.13. System Features

A list of system features and their descriptions will be described in the SDD.



## **2.14. Usability Specifications**

Not applicable at this time.

## **3. Applicable Standards**

Not applicable at this time.

## **4. Interfaces**

The document below list the support hardware and software interfaces.



The MBB, SoC and LaunchPad applications are designed to work on the following browsers:

- Chrome 17
- Firefox 12
- IE9 or higher
- Safari 5

## **5. Legal, Copyright, and Other Notices**

Not applicable at this time.

## **6. Purchased Components**

Not applicable at this time.

## **7. User Class Components**

Refer to the following locations within this document to view the general characteristics of the intended users for each application:

- Veterans Appointment Request – Appendix 10
- Veterans Appointment Application Clerk – Appendix 11

## **8. Appendix A – Mobile Blue Button (MBB)**

Mobile Blue Button allows for the viewing, printing and sharing of veteran health information.

### **8.1. User Stories and Acceptance Criteria**

The document below contains the User Stories and Acceptance Criteria for the Mobile Blue Button application.



MBB App Stories -  
Tests.pdf

## 9. Appendix B – Summary of Care

Summary of Care allows for viewing of detailed information captured within the veteran's VA medical record.

### 9.1. User Stories and Acceptance Criteria

The document below contains the User Stories and Acceptance Criteria for the Summary of Care application.



SummaryOfCare  
Stories - Tests.pdf

## 10. Veterans Appointment Request (VAR) Application

The Veterans Appointment Request Application consists of two complimentary applications (Veterans Appointment Request Application [Appendix 10] and VA Appointment Application Clerk [Appendix 11]) which allow the veteran to select preferred appointment timeframes, VA staff to triage these requests, and send a finalized appointment to the veteran's mobile calendar.

### 10.1. User Stories and Acceptance Criteria

The document below contains the User Stories and Acceptance Criteria for the Veterans Appointment Request application.



VAR Stories and Test  
Cases.pdf

### 10.2. Graphical User Interfaces (GUI) Mockups

The document below contains the GUI mockups for the Veteran Appointment Application Clerk application.



MBB-VeteranApp-App  
ointment Mockups.pdf

### 10.3. User Class Characteristics

- **Veteran Users** – Request a primary care or mental health appointment based upon preferred timeframes, and to be able to provide feedback on the process.
- **VA Staff** – Review appointment request and use this data to book the Veteran an appointment based upon their request.

## 11. Veteran Appointment Application Clerks (VAAC)

The VAAC application allows VA staff to triage veteran appointment requests, submitted via the VAR, and send a finalized appointment to the veteran's mobile calendar.

### 11.1. User Stories and Acceptance Criteria

The document below contains the User Stories and Acceptance Criteria for the Veteran Appointment Application Clerk application.



VAAC Stories and  
Test Cases.pdf

### 11.2. Graphical User Interfaces (GUI) Mockups

The document below contains the GUI mockups for the Veteran Appointment Application Clerk application.



MBB-ClerkApp-Appoin  
tment Mockups.pdf

### 11.3. User Class Characteristics

- **Veteran Users** – Request a primary care or mental health appointment based upon preferred timeframes, and to be able to provide feedback on the process.
- **VA Staff** – Review appointment request and use this data to book the Veteran an appointment based upon their request.

## 12. LaunchPad

The Launchpad application acts as the organizational and log in/log out starting point for use of VA web applications.

### 12.1. User Stories and Acceptance Criteria

ID	Requirement
	As a user, I want the ability to launch the Mobile Blue Button (MBB), Summary of Care (SoC), Veterans Appointment Request (VAR) and Veteran Appointment Application Clerks (VAAC) mobile applications from a common LaunchPad so I can have one point of access for the listed mobile applications.

### 12.2. User Class Characteristics

- **Veteran Users** – Request a primary care or mental health appointment based upon preferred timeframes, and to be able to provide feedback on the process.
- **VA Staff** – Review appointment request and use this data to book the Veteran an appointment based upon their request.

### 13. Approval Signatures

REVIEW DATE: *<date>*

SCRIBE: *<name>*

Service	Percentage
Online banking	85%
Mobile banking	78%
Bill payment	72%
Direct deposit	68%
ATM withdrawals	62%

11/11/2019

\_\_\_\_\_

\_\_\_\_\_

[illegible]

\_\_\_\_\_

\_\_\_\_\_

[illegible]

11/11/2016

\_\_\_\_\_