**Department of Veterans Affairs**

Mobile Applications (MA)

**Requirements Specification Document**



# August 2014

**Increment 4 - Version 1.3**

**Revision History**

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

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 08/04/2014 | 1.3 | Incorporated some feedback from a review of version 1.2 | MAP |
| 07/10/2014 | 1.2 | The following changes have been incorporated:   * Added the Enterprise Wide Non- Functional Requirements (EWNFR) to the document. * Added the increment to the title page. * Remove the addendum for each application. | MAP |
| 03/12/2014 | 1.1 | Tech Writer Review | MAP |
| 03/11/2014 | 1.0 | Inititial Document | 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, in addition to User Stories, provide 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.

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# INTRODUCTION

# Purpose

The Mobile Applications (MA) Program-Level Requirements Specification Document (RSD) specifies the enterprise-wide non-functional requirements (NFRs) and technologies to be implemented by the various mobile application projects within the program. The intended audience is both the business community, , and the developer who will provide the software and hardware that will make up the MA solutions.

# 1.2. Scope

The scope of this document covers the standard non-functional requirements that may apply to the various projects within the MA program. The functional requirements and project-specific NFRs for each application are located in the project-specific RSD - Addendum. The non- functional requirements and guidance captured in the appendices of this document were created with the cooperation, input and feedback of the various compliance bodies. The enterprise-wide non-functional requirements are captured and maintained in the Enterprise-Wide Non-Functional Requirements (EWNFR) JIRA project.

# 1.3. References

* Enterprise-Wide Non-Functional Requirements Project: [https:/DNS.URL/browse/EWNFR](https://DNS.URL/browse/EWNFR)

# OVERALL DESCRIPTION

# Accessibility Specifications

This section contains all of the enterprise-level 508 non-functional requirements and guidance that may be applicable to the various applications within the MA program. Application-specific 508 non-functional requirements are located in the Application-Specific Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise-Wide Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise 508 NFRs is located in [Appendix A – 508 Accessibility (OIT)](#_bookmark34) [Specifications](#_bookmark34)of this document.

# Business Needs

The business needs for each application are located in the Business Needs section of the application-specific RSD Addendum.

# Design Constraints Specification

The design constraint specifications for each application are located in the Application Specific Non-Functional Requirements (NFRs) section of the application specific RSD – Addendum.

# Disaster Recovery Specification

This section is not applicable to the MA program.

# Non-Functional Specifications

The document specifications for each application are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application specific RSD – Addendum.

# Functional Specifications

The functional specifications for each application are located in the Functional Requirements section of the application specific RSD.

# Graphical User Interface (GUI) Specifications

The GUI specifications for each project are located in the Application-Specific Non-Functional Requirements (NFRs) section of the application specific RSD.

# Multi-divisional Specifications

This section is not applicable to mobile applications.

# Performance Specifications

The performance specifications for each application are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application specific RSD – Addendum.

# Quality Attributes Specification

The quality attribute specifications for each application are located in the Application-Specific Non-Functional Requirements (NFRs) section of the application specific RSD – Addendum.

# Code Review

This section contains all of the enterprise level code review guidance that is applicable to all of the applications within the MA program.

The listing of enterprise code review guidance is located in [Appendix B – Code Review](#_bookmark36) [Specifications](#_bookmark36) of this document.

# Verification and Validation (V&V)

This section contains all of the enterprise level V&V non-functional requirements and guidance that may be applicable to the various applications within the MA program. Application-specific V&V non-functional requirements are located in the Application Specific Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise-Wide Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise V&V NFRs is located i[n Appendix C – V&V Specifications](#_bookmark38) of this document.

# Reliability Specifications

The reliability specifications for each application are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum.

# Scope of Integration

The scope of integration for each application is located in the Mobile Application Information section of the application’s RSD.

# Security and Privacy Specifications

This section contains all of the enterprise-level security and privacy non-functional requirements and guidance that maybe applicable to the various applications within the MA program.

Application-specific security and privacy non-functional requirements are located in the Application-Specific Non-Functional Requirements (NFRs) section of the application’s RSD. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise-Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise security and privacy NFRs is located in [Appendix E – Enterprise](#_bookmark43) [Security Specifications](#_bookmark43) and [Appendix D – Privacy and Application Data Security (OIA)](#_bookmark40) [Specifications](#_bookmark40)of this document.

# System Features

The systems features for each application are located in the System Features section of the application-specific RSD.

# Usability Specifications

This section contains all of the enterprise-level usability non-functional requirements and guidance that maybe applicable to the various applications within the MA program. Application- specific usability non-functional requirements are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise- Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise Usability NFRs is located in [Appendix F – Usability Specifications](#_bookmark46)of this document.

# User Interface Specifications

This section contains all of the enterprise level user interface non-functional requirements and guidance that maybe applicable to the various applications within the MA program. Application specific user interface non-functional requirements are located in the Application Specific Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise- Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise User Interface NFRs is located in [Appendix G – User Interface](#_bookmark49) [Specifications](#_bookmark49) of this document.

# VA Branding Specifications

This section contains all of the enterprise-level VA branding non-functional requirements and guidance that maybe applicable to the application within the MA program. Application-specific VA branding non-functional requirements are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise- Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise VA Branding NFRs is located in [Appendix H – VA Branding (OPIA)](#_bookmark51) [Specifications](#_bookmark51) of this document.

# Patient Safety Specifications

This section contains all of the enterprise-level patient safety non-functional requirements and guidance that may be applicable to the application within the MA program. Application-specific patient safety non-functional requirements are located in the Application-Specific Non- Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise- Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise patient safety NFRs is located in [Appendix I – Patient Safety (OIT)](#_bookmark53) [Specifications](#_bookmark53) of this document.

# General Specifications

This section contains all of the enterprise-level general non-functional requirements that may be applicable to the various applications within the MA program. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise-Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise general NFRs are located in [Appendix J – General Specifications](#_bookmark56) of this document.

# APPLICABLE STANDARDS

# 3.1.1. Data and Terminology Standards Compliance

The table below contains all the enterprise-level data and terminology non-functional requirements that may be applicable to the application within the MA program. Application- specific data and terminology non-functional requirements are located in the Application- Specific Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum. Enterprise NFRs that have been incorporated into the design of the application are located in the Enterprise-Wide Non-Functional Requirements (NFRs) section of the application’s RSD – Addendum.

The listing of enterprise Data and Terminology Standards NFRs is located in [Appendix K – Data](#_bookmark58) [and Terminology Standards Compliance (OIA) Specifications](#_bookmark58) of this document.

# INTERFACES

The interfaces for each application are located in the the application-specific SDD – Addendum.

# LEGAL, COPYRIGHT, AND OTHER NOTICES

The legal, copyright and other notices for each application are located in the Mobile Application Information section of the application-specific RSD – Addendum.

# PURCHASED COMPONENTS

This section is not applicable to mobile applications.

# Defect Source (TOP 5)

Defect source information is located in the defect log document for each application.

# USER CLASS CHARACTERISTICS

The general characteristics of the intended users for each application are located in the Mobile Application Information section of the application-specific RSD.

# APPENDICIES

# Appendix A – 508 Accessibility (OIT) Specifications

# Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Key** | **Summary** | **Acceptance Criteria ID** |
| [EWNFR-521](https://issues.mobilehealth.va.gov/browse/EWNFR-521) | As a project team, we must be sure that where a screen title is provided, a clear title is presented on all screens, otherwise we will not be Section 508 compliant. | EWNFR-634 |
| [EWNFR-520](https://issues.mobilehealth.va.gov/browse/EWNFR-520) | As a project team, we must be sure that the reading order of the application content is logical, otherwise we will not be Section 508 compliant. | EWNFR-633 |
| [EWNFR-519](https://issues.mobilehealth.va.gov/browse/EWNFR-519) | As a project team, we must provide the equivalent text for all non-text elements including sound and images, otherwise we will not be Section 508 compliant. | EWNFR-632 |
| [EWNFR-518](https://issues.mobilehealth.va.gov/browse/EWNFR-518) | As a project team, we must use actual text when technology allows instead of images of the text, otherwise we will not be Section 508 compliant. | EWNFR-631 |
| [EWNFR-517](https://issues.mobilehealth.va.gov/browse/EWNFR-517) | As a project team, we must ensure that when using non-decorative images, informative alternative text is provided to the user, otherwise we will not be 508 compliant. | EWNFR-630 |
| [EWNFR-516](https://issues.mobilehealth.va.gov/browse/EWNFR-516) | As a project team, we must avoid duplicating information in alternatives, otherwise we will not be Section 508 compliant. | EWNFR-629 |
| [EWNFR-515](https://issues.mobilehealth.va.gov/browse/EWNFR-515) | As a project team, we must ensure that all interactions with a control is what the user expects it to be, otherwise we will not be Section 508 compliant. | EWNFR-628 |
| [EWNFR-514](https://issues.mobilehealth.va.gov/browse/EWNFR-514) | As a project team, we must make sure that all of the controls that have accessible input methods for the controls, have a specific set of behaviors and are adequately supported, otherwise we will not be Section 508 compliant. | EWNFR-627 |
| [EWNFR-513](https://issues.mobilehealth.va.gov/browse/EWNFR-513) | As a project team, we must make sure that while using logical navigation scrolling occurs as needed, otherwise we will not be Section 508 compliant. | EWNFR-626 |
| [EWNFR-512](https://issues.mobilehealth.va.gov/browse/EWNFR-512) | As a project team, we must be sure to provide sufficient size for the element on the touch screen, otherwise we will not be Section 508 compliant. | EWNFR-625 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
| [EWNFR-511](https://issues.mobilehealth.va.gov/browse/EWNFR-511) | As a project team, we must provide inactive space around elements on the touch screen, otherwise we will not be Section 508 compliant. | EWNFR-624 |
| [EWNFR-510](https://issues.mobilehealth.va.gov/browse/EWNFR-510) | As a project team, we must ensure that all actions on a touch screen are triggered on removal and not with the initial touch, otherwise we will not be Section 508 compliant. | EWNFR-622, EWNFR-623 |
| [EWNFR-509](https://issues.mobilehealth.va.gov/browse/EWNFR-509) | As a project team, we must be sure that we do not overlap active elements in touch focus areas, otherwise we will not be Section 508 compliant. | EWNFR-621 |
| [EWNFR-508](https://issues.mobilehealth.va.gov/browse/EWNFR-508) | As a project team, we must be sure that we are able to move focus away from focusable components, otherwise we will not be Section 508 compliant. | EWNFR-620 |
| [EWNFR-507](https://issues.mobilehealth.va.gov/browse/EWNFR-507) | As a project team, we must be sure that element text has the same meaning within context, otherwise we will not be Section 508 compliant. | EWNFR-619 |
| [EWNFR-506](https://issues.mobilehealth.va.gov/browse/EWNFR-506) | As a project team, we must be sure that element text has the same meaning when out of context, otherwise we will not be Section 508 compliant. | EWNFR-618 |
| [EWNFR-505](https://issues.mobilehealth.va.gov/browse/EWNFR-505) | As a project team, we must ensure access to alternative input methods, otherwise we will not be Section 508 compliant. | EWNFR-617 |
| [EWNFR-504](https://issues.mobilehealth.va.gov/browse/EWNFR-504) | As a project team, we must be sure that content that gives the user an alternative to non- accessible content, also provide an equivalent functionality, otherwise we will not be Section 508 compliant. | EWNFR-616 |
| [EWNFR-503](https://issues.mobilehealth.va.gov/browse/EWNFR-503) | As a project team, we must be sure to provide the ability for the user to control the font size, otherwise we will not be Section 508 compliant. | EWNFR-615 |
| [EWNFR-502](https://issues.mobilehealth.va.gov/browse/EWNFR-502) | As a project team, we must use consistent labels for common elements, otherwise we will not be Section 508 compliant. | EWNFR-614 |
| [EWNFR-501](https://issues.mobilehealth.va.gov/browse/EWNFR-501) | As a project team, we must use consistent labels for images, otherwise we will not be Section 508 compliant. | EWNFR-613 |
| [EWNFR-500](https://issues.mobilehealth.va.gov/browse/EWNFR-500) | As a project team, we must use consistent labels for controls, otherwise we will not be Section 508 compliant. | EWNFR-612 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
| [EWNFR-499](https://issues.mobilehealth.va.gov/browse/EWNFR-499) | As a project team, we must ensure that shape and location are not the only ways hierarchy is communicated, otherwise we will not be Section 508 compliant. | EWNFR-611 |
| [EWNFR-498](https://issues.mobilehealth.va.gov/browse/EWNFR-498) | As a project team, we must ensure that shape and location are not the only ways information is communicated, otherwise we will not be Section 508 compliant. | EWNFR-610 |
| [EWNFR-497](https://issues.mobilehealth.va.gov/browse/EWNFR-497) | As a project team, we cannot only rely on sensory characteristics when providing instructions, otherwise we will not be Section 508 compliant. | EWNFR-609 |
| [EWNFR-496](https://issues.mobilehealth.va.gov/browse/EWNFR-496) | As a project team, we must make sure that artifact elements are not exposed to assistive technologies, otherwise we will not be Section 508 compliant. | EWNFR-608 |
| [EWNFR-495](https://issues.mobilehealth.va.gov/browse/EWNFR-495) | As a project team, we must make sure that duplicate content is not exposed to assistive technologies, otherwise we will not be Section 508 compliant. | EWNFR-607 |
| [EWNFR-494](https://issues.mobilehealth.va.gov/browse/EWNFR-494) | As a project team, we must make sure that decorative content is not exposed to assistive technologies, otherwise we will not be Section 508 compliant. | EWNFR-606 |
| [EWNFR-493](https://issues.mobilehealth.va.gov/browse/EWNFR-493) | As a project team, we must make sure that hidden content is not exposed to assistive technologies, otherwise we will not be Section 508 compliant. | EWNFR-605 |
| [EWNFR-492](https://issues.mobilehealth.va.gov/browse/EWNFR-492) | As a project team, we must be sure that all applications do not interfere with Assistive Technology, otherwise we will not be Section 508 compliant. | EWNFR-604 |
| [EWNFR-491](https://issues.mobilehealth.va.gov/browse/EWNFR-491) | As a project team we must ensure that controls are correctly identified as they are intended to be, and the “state” is correctly identified, otherwise we will not be Section 508 compliant. | EWNFR-603 |
| [EWNFR-490](https://issues.mobilehealth.va.gov/browse/EWNFR-490) | As a project team, we must make sure that non- decorative content supports accessibility, otherwise we will not be Section 508 compliant. | EWNFR-602 |
| [EWNFR-489](https://issues.mobilehealth.va.gov/browse/EWNFR-489) | As a project team, we must make sure that all controls support Accessibility, otherwise we will not be Section 508 compliant. | EWNFR-601 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
| [EWNFR-488](https://issues.mobilehealth.va.gov/browse/EWNFR-488) | As a project team, we must ensure that time based sessions are accessible, otherwise we will not be Section 508 compliant. | EWNFR-600 |
| [EWNFR-487](https://issues.mobilehealth.va.gov/browse/EWNFR-487) | As a project team, we must ensure that it is possible for all enhancements to operate simultaneously, even if they are not all being used, otherwise we will not be Section 508 compliant. | EWNFR-599 |
| [EWNFR-486](https://issues.mobilehealth.va.gov/browse/EWNFR-486) | As a project team, we must place any text that gives instructions at the beginning of a form, otherwise we will not be Section 508 compliant. | EWNFR-598 |
| [EWNFR-485](https://issues.mobilehealth.va.gov/browse/EWNFR-485) | As a project team, we must be sure to provide explicit labels for all form elements, otherwise we will not be Section 508 compliant. | EWNFR-597 |
| [EWNFR-484](https://issues.mobilehealth.va.gov/browse/EWNFR-484) | As a project team, we must ensure that multi-part controls are accessible, otherwise, we will not be Section 508 compliant. | EWNFR-596 |
| [EWNFR-483](https://issues.mobilehealth.va.gov/browse/EWNFR-483) | As a project team, we must provide context for multi-part controls, otherwise we will not be section 508 compliant. | EWNFR-595 |
| [EWNFR-482](https://issues.mobilehealth.va.gov/browse/EWNFR-482) | As a project team, we must ensure that we clearly indicate all form field constraints, otherwise we will not be Section 508 compliant. | EWNFR-594 |
| [EWNFR-481](https://issues.mobilehealth.va.gov/browse/EWNFR-481) | As a project team, we must ensure that we are sufficiently describing all elements, otherwise we will not be Section 508 compliant. | EWNFR-593 |
| [EWNFR-480](https://issues.mobilehealth.va.gov/browse/EWNFR-480) | As a project team, we must ensure that all controls can be focused, otherwise we will not be Section 508 compliant. | EWNFR-592 |
| [EWNFR-479](https://issues.mobilehealth.va.gov/browse/EWNFR-479) | As a project team, we must ensure that all elements can receive focus, otherwise we will not be Section 508 compliant. | EWNFR-591 |
| [EWNFR-478](https://issues.mobilehealth.va.gov/browse/EWNFR-478) | As a project team we must ensure that we use interactive elements on a page in a logical focus order, otherwise, we will not be Section 508 compliant. | EWNFR-590 |
| [EWNFR-477](https://issues.mobilehealth.va.gov/browse/EWNFR-477) | As a project team, we must make sure that when using keyboard focus, we clearly indicate interaction, otherwise we will not be Section 508 compliant. | EWNFR-589 |
| [EWNFR-476](https://issues.mobilehealth.va.gov/browse/EWNFR-476) | As a project team, we must ensure that navigation is visually indicated, otherwise we will not be | EWNFR-588 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
|  | Section 508 compliant. |  |
| [EWNFR-475](https://issues.mobilehealth.va.gov/browse/EWNFR-475) | As a project team, we must ensure that the focus is not forcibly shifted when inputting information, otherwise we will not be Section 508 compliant. | EWNFR-587 |
| [EWNFR-474](https://issues.mobilehealth.va.gov/browse/EWNFR-474) | As a project team, we must ensure that the focus is set logically when pop alerts close, otherwise we will not be Section 508 compliant. | EWNFR-586, EWNFR-718 |
| [EWNFR-473](https://issues.mobilehealth.va.gov/browse/EWNFR-473) | As a project team, we must ensure that the focus is set logically when a module opens, otherwise we will not be Section 508 compliant. | EWNFR-585, EWNFR-719 |
| [EWNFR-472](https://issues.mobilehealth.va.gov/browse/EWNFR-472) | As a project team, we must ensure that when focus changes occur that the context has not changed, otherwise we will not be Section 508 compliant. | EWNFR-584 |
| [EWNFR-471](https://issues.mobilehealth.va.gov/browse/EWNFR-471) | As a project team, we must provide suggestions to the user when they receive error messages whenever they are known when using the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-583 |
| [EWNFR-470](https://issues.mobilehealth.va.gov/browse/EWNFR-470) | As a project team, we must ensure that we provide a way to prevent errors in financial data on the Android/iOS platforms, otherwise we will be Section 508 compliant. | EWNFR-582 |
| [EWNFR-469](https://issues.mobilehealth.va.gov/browse/EWNFR-469) | As a project team, we must ensure that we provide error prevention for legal commitments on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-581 |
| [EWNFR-468](https://issues.mobilehealth.va.gov/browse/EWNFR-468) | As a project team, we must ensure that we provide a way to prevent errors on information that is submitted on the Android/iOS platforms, otherwise we will not be Section 508 compliant | EWNFR-580 |
| [EWNFR-467](https://issues.mobilehealth.va.gov/browse/EWNFR-467) | As a project team, we must ensure that we provide a consistent way to implement and alert mechanism on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-579 |
| [EWNFR-466](https://issues.mobilehealth.va.gov/browse/EWNFR-466) | As a project team, we must ensure that we provide a consistent strategy to implement an error mechanism on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-578 |
| [EWNFR-465](https://issues.mobilehealth.va.gov/browse/EWNFR-465) | As a project team, we must ensure that we provide a clear indication of errors on the Android/iOS application platforms, otherwise we | EWNFR-577 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
|  | will not be Section 508 compliant. |  |
| [EWNFR-464](https://issues.mobilehealth.va.gov/browse/EWNFR-464) | As a project team, we must ensure that error message have a platform specific alert or the focus is moved to the error message after submitting of an action, otherwise we will not be Section 508 compliant. | EWNFR-575, EWNFR-576 |
| [EWNFR-463](https://issues.mobilehealth.va.gov/browse/EWNFR-463) | As a project team, we must ensure that we provide a non-animated way to step through or control animation on Android/iOS platform applications, otherwise we will not be Section 508 compliant. | EWNFR-574 |
| [EWNFR-462](https://issues.mobilehealth.va.gov/browse/EWNFR-462) | As a project team, we must ensure that decorative animations settle within 5 seconds on the Android/iOS platform applications, otherwise we will not be Section 508 compliant. | EWNFR-573 |
| [EWNFR-461](https://issues.mobilehealth.va.gov/browse/EWNFR-461) | As a project team, we must ensure that screen transitions settle within 5 seconds on the Android/iOS platform applications, otherwise we will not be Section 508 compliant. | EWNFR-572 |
| [EWNFR-460](https://issues.mobilehealth.va.gov/browse/EWNFR-460) | As a project team, we must ensure that elements flash in a safe threshold on Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-571 |
| [EWNFR-459](https://issues.mobilehealth.va.gov/browse/EWNFR-459) | As a project team, we must ensure that elements blink in a safe threshold on Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-570 |
| [EWNFR-458](https://issues.mobilehealth.va.gov/browse/EWNFR-458) | As a project team, we must ensure that auto updating dynamic content can be hidden on Android/iOS platform applications, otherwise we will not be Section 508 compliant. | EWNFR-569 |
| [EWNFR-457](https://issues.mobilehealth.va.gov/browse/EWNFR-457) | As a project team, we must ensure that auto- updating dynamic content can be stopped on Android/iOS platform applications, otherwise we will not be Section 508 compliant. | EWNFR-568 |
| [EWNFR-456](https://issues.mobilehealth.va.gov/browse/EWNFR-456) | As a project team, we must ensure that auto- updating dynamic content can be paused on Android/iOS platform applications, otherwise we will not be 508 compliant. | EWNFR-567 |
| [EWNFR-455](https://issues.mobilehealth.va.gov/browse/EWNFR-455) | As a project team, we must ensure that we make assistive technologies aware of any content changes to the Android/iOS applications in real | EWNFR-566 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
|  | time, otherwise we will not be Section 508 compliant. |  |
| [EWNFR-454](https://issues.mobilehealth.va.gov/browse/EWNFR-454) | As a project team, we must ensure content that is animated is described in audio or text on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-565 |
| [EWNFR-453](https://issues.mobilehealth.va.gov/browse/EWNFR-453) | As a project team, we must ensure that the removal of on-screen components are properly exposed to assistive technology on the Android/iOS Media Platforms. | EWNFR-564 |
| [EWNFR-452](https://issues.mobilehealth.va.gov/browse/EWNFR-452) | As a project team, we must ensure that the addition of on-screen components are properly exposed to assistive technology on the Android/iOS platforms, otherwise, we will not be 508 compliant. | EWNFR-563 |
| [EWNFR-451](https://issues.mobilehealth.va.gov/browse/EWNFR-451) | As a project team, we must ensure that when White on Black is enabled on the iOS platform, that an acceptable contrast is provided within the application color settings, otherwise we will not be Section 508 Compliant. | EWNFR-562 |
| [EWNFR-450](https://issues.mobilehealth.va.gov/browse/EWNFR-450) | As a project team, we must ensure that when colors from the OS are not used, that we provide a variety of color contrast selection, otherwise we will not be Section 508 compliant. | EWNFR-561 |
| [EWNFR-449](https://issues.mobilehealth.va.gov/browse/EWNFR-449) | As a project team, we must ensure that we provide a sufficient color contrast when using text and text images on the Android/iOS Platform, otherwise we will not be Section 508 compliant. | EWNFR-560 |
| [EWNFR-448](https://issues.mobilehealth.va.gov/browse/EWNFR-448) | As a project team, we must ensure that anything that uses color to convey a meaning without needing additional interaction from the user on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-559 |
| [EWNFR-447](https://issues.mobilehealth.va.gov/browse/EWNFR-447) | As a project team, we must ensure that anything that uses color to convey a meaning, can also do so without using color on-screen on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-558 |
| [EWNFR-446](https://issues.mobilehealth.va.gov/browse/EWNFR-446) | As a project team, we must ensure that anything that uses color to convey a meaning, can also do so without using color in the content, on the Android/iOS platforms, otherwise we will not be | EWNFR-557 |

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| **Key** | **Summary** | **Acceptance Criteria ID** |
|  | Section 508 compliant |  |
| [EWNFR-445](https://issues.mobilehealth.va.gov/browse/EWNFR-445) | As a project team, we must ensure that we are not using color and text formatting as the only way to communicate selection on the Android/iOS platforms, otherwise we will not be 508 compliant. | EWNFR-556 |
| [EWNFR-444](https://issues.mobilehealth.va.gov/browse/EWNFR-444) | As a project team, we must ensure that we are not using color and text formatting as the only means of communicating information on the Android/iOS platforms otherwise we will not be Section 508 compliant. | EWNFR-555 |
| [EWNFR-443](https://issues.mobilehealth.va.gov/browse/EWNFR-443) | As a project team, we must provide transcripts or audio tracks of video-only presentations being used on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-528 |
| [EWNFR-442](https://issues.mobilehealth.va.gov/browse/EWNFR-442) | As a project team, we much provide synchronized captions for all multimedia content on the Android/iOS platforms, otherwise we will not be 508 compliant. | EWNFR-527 |
| [EWNFR-441](https://issues.mobilehealth.va.gov/browse/EWNFR-441) | As a project team, we must provide a text transcript for presentations that use audio-only on Android/iOS platforms, otherwise we will not be 508 compliant. | EWNFR-526 |
| [EWNFR-440](https://issues.mobilehealth.va.gov/browse/EWNFR-440) | As a project team, we must be sure that visual multimedia content is adequately described in the audio portion when using the Android/iOS platforms, otherwise the software will not be Section 508 compliant. | EWNFR-525 |
| [EWNFR-439](https://issues.mobilehealth.va.gov/browse/EWNFR-439) | As a project team, we must ensure that information provided with audio is not the only way to indicate an error on the Android/iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-524 |
| [EWNFR-438](https://issues.mobilehealth.va.gov/browse/EWNFR-438) | As a project team, we must ensure that information provided with audio is not the only way to indicate completion of a task when using an Android /iOS platforms, otherwise we will not be Section 508 compliant. | EWNFR-523 |
| [EWNFR-437](https://issues.mobilehealth.va.gov/browse/EWNFR-437) | As a project team, we must ensure audio functionality does not disrupt the text to speech of assistive technologies for Android/iOS platforms otherwise we will not be Section 508 compliant. | EWNFR-522 |

# Appendix B – Code Review Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-705](https://issues.mobilehealth.va.gov/browse/EWNFR-705) | Guidance: Development teams should review the CWE/SANS Top 25 Most Dangerous Software Errors. |
| [EWNFR-704](https://issues.mobilehealth.va.gov/browse/EWNFR-704) | Guidance: Development teams should review the OWASP Top Ten list. |
| [EWNFR-703](https://issues.mobilehealth.va.gov/browse/EWNFR-703) | Guidance: (If applicable) Development teams must perform the IV&V High Risk and High Priority application Review process. |
| [EWNFR-702](https://issues.mobilehealth.va.gov/browse/EWNFR-702) | Guidance: If Applicable, development team must perform the V&V Secure Code Review Process. |
| [EWNFR-701](https://issues.mobilehealth.va.gov/browse/EWNFR-701) | Guidance: Development teams must obtain automatic static analysis tools from the VA SwA Program Office. |
| [EWNFR-700](https://issues.mobilehealth.va.gov/browse/EWNFR-700) | Guidance: Development team must scan their applications during both the development and the A&A processes (for example: during component testing). |

# Appendix C – V&V Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-669](https://issues.mobilehealth.va.gov/browse/EWNFR-669) | Guidance: To meet the requirements for V&V test intake, the functional requirements, business rule logic and compliance requirements have been tested. |
| [EWNFR-665](https://issues.mobilehealth.va.gov/browse/EWNFR-665) | Guidance: Test scripts and test results are documented according to ProPath guidance. |
| [EWNFR-663](https://issues.mobilehealth.va.gov/browse/EWNFR-663) | As a project team, we must be sure to provide a business owner waiver if our Mobile Application is not free of all critical and high defects, otherwise we will not meet the criteria for entrance into V&V. |
| [EWNFR-660](https://issues.mobilehealth.va.gov/browse/EWNFR-660) | Guidance: The Mobile Application is free of all Level-1 (Critical) and Level 2 (High) defects prior to submitting to V&V. |

* 1. **Appendix D – Privacy and Application Data Security (OIA) Specifications**

# Guidance

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| **Key** | **Guidance** |
| [EWNFR-315](https://issues.mobilehealth.va.gov/browse/EWNFR-315) | Guidance: All data entered by the Veteran into the application (and transmitted to the VA) is covered by a Privacy Act or records otherwise our application risks non-approval from the Privacy and Security compliance group. |

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-312](https://issues.mobilehealth.va.gov/browse/EWNFR-312) | See Description for Full Req: As a Project Team, we must include an End User License Agreement (EULA) | EWNFR-326, EWNFR-327 |
| [EWNFR-316](https://issues.mobilehealth.va.gov/browse/EWNFR-316) | As a Project Team, we must include an End User License Agreement (EULA) that states that the VA will receive the data entered by the Veteran on the device our application risks non-approval from the Privacy and Security compliance group. | EWNFR-331 |
| [EWNFR-314](https://issues.mobilehealth.va.gov/browse/EWNFR-314) | As a Project Team, we must ensure that all data entered by the Veteran into our application (but not transmitted to the VA) is securely stored on the user’s device | EWNFR-329 |
| [EWNFR-313](https://issues.mobilehealth.va.gov/browse/EWNFR-313) | See Description for Full Req: As a Project Team, we must include an End User License Agreement (EULA) | EWNFR-328 |
| [EWNFR-321](https://issues.mobilehealth.va.gov/browse/EWNFR-321) | As a Project Team, we must ensure that user account information is not transferred to our application otherwise our application risks non-approval from the Privacy and Security compliance group. | EWNFR-338 |
| [EWNFR-318](https://issues.mobilehealth.va.gov/browse/EWNFR-318) | As a Project Team, we must ensure that VA data pulled from a VA database and displayed to a VA Provider is not stored on the device otherwise our application risks non-approval from the Privacy and Security compliance group. | EWNFR-333, EWNFR-715 |

# Appendix E – Enterprise Security Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-698](https://issues.mobilehealth.va.gov/browse/EWNFR-698) | Guidance: All applications and services should be written in compliance with OWASP guidelines which VA Security references for best practices in web application security. |
| EWNFR-720 | Guidance: All applications must obtain signoff of the SSP Addendum and load the signed SSP Addendum into the Risk Vision. |

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |

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| [EWNFR-711](https://issues.mobilehealth.va.gov/browse/EWNFR-711) | See Description for Full Req.: As a Project Team, we must ensure that all Moderate and Low issues remaining in our application at initial release for both the Fortify and WASA/MASA scans must be captured in a Plan of Action and Milestones (POA&M) report | EWNFR-713 |
| [EWNFR-712](https://issues.mobilehealth.va.gov/browse/EWNFR-712) | As a Project Team, we must ensure that our application passes a WASA/MASA scan where there are no Critical or High issues reported so that our application successfully completes the Enterprise Security compliance process. | EWNFR-714 |
| [EWNFR-699](https://issues.mobilehealth.va.gov/browse/EWNFR-699) | As a Project Team, we must ensure that our application passes a Fortify scan (Code Review) where there are no Critical or High issues reported so that our application successfully completes the Enterprise Security compliance process. | EWNFR-716 |

# Appendix F – Usability Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-48](https://issues.mobilehealth.va.gov/browse/EWNFR-48) | Guidance: Enhance the user’s experience with our application by using consistent screen terms within the application. |
| [EWNFR-46](https://issues.mobilehealth.va.gov/browse/EWNFR-46) | To enhance the user’s experience with the application, create and use a consistent screen flow model within our application so that our application will. |
| [EWNFR-41](https://issues.mobilehealth.va.gov/browse/EWNFR-41) | Guidance: To enhance the user’s experience with the application, define and adhere to a model for the design elements within the application. |
| [EWNFR-20](https://issues.mobilehealth.va.gov/browse/EWNFR-20) | Guidance: Usability testing must occur in a dedicated test environment that is separate from both the development and production environments. |

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-366](https://issues.mobilehealth.va.gov/browse/EWNFR-366) | As a Project Team, we must provide Info button so that our application will enhance the user’s experience with our application. | EWNFR-367 |
| [EWNFR-365](https://issues.mobilehealth.va.gov/browse/EWNFR-365) | As a Project Team, we must ensure color usage within our application reflects purpose of our application so that our application will enhance the user’s experience with our application. | EWNFR-368, EWNFR-369 |
| [EWNFR-70](https://issues.mobilehealth.va.gov/browse/EWNFR-70) | As a Project Team, we must provide an indicator for non-visible text that prompts the user to scroll so that our application will enhance the user’s experience with our | EWNFR-142 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
|  | application. |  |
| [EWNFR-69](https://issues.mobilehealth.va.gov/browse/EWNFR-69) | As a Project Team, we must not use terms that represent gender so that our application will enhance the user’s experience with our application. | EWNFR-140, EWNFR-141 |
| [EWNFR-68](https://issues.mobilehealth.va.gov/browse/EWNFR-68) | As a Project Team, we must provide context specific Help so that our application will enhance the user’s experience with our application. | EWNFR-139, EWNFR-364 |
| [EWNFR-67](https://issues.mobilehealth.va.gov/browse/EWNFR-67) | As a Project Team, we must make sure that the error messages within the application are consistently used and displayed so that our application will enhance the user’s experience with our application. | EWNFR-138 |
| [EWNFR-66](https://issues.mobilehealth.va.gov/browse/EWNFR-66) | As a Project Team, we must make sure that the error messages within the application contain specific instruction on how to recover from an error so that our application will enhance the user’s experience with our application. | EWNFR-137 |
| [EWNFR-65](https://issues.mobilehealth.va.gov/browse/EWNFR-65) | As a Project Team, we must make sure that the error messages within the application contain specific instruction on the meaning of error so that our application will enhance the user’s experience with our application. | EWNFR-136 |
| [EWNFR-64](https://issues.mobilehealth.va.gov/browse/EWNFR-64) | As a Project Team, we must make sure that the error messages within the application are in user-centric language so that our application will enhance the user’s experience with our application. | EWNFR-135 |
| [EWNFR-63](https://issues.mobilehealth.va.gov/browse/EWNFR-63) | As a Project Team, we must define a logical tab order through fields on a screen when the default tab order is not sufficient for our application so that our application will enhance the user’s experience with our application. | EWNFR-134 |
| [EWNFR-62](https://issues.mobilehealth.va.gov/browse/EWNFR-62) | As a Project Team, we must make sure that the difference between status icons and clickable icons is visually different so that our application will enhance the user’s experience with our application. | EWNFR-133 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-60](https://issues.mobilehealth.va.gov/browse/EWNFR-60) | As a Project Team, we must auto-complete (if applicable to our application) default values in entry fields (when possible) so that our application will enhance the user’s experience with our application. | EWNFR-131, EWNFR-361, EWNFR-362, EWNFR-363 |
| [EWNFR-59](https://issues.mobilehealth.va.gov/browse/EWNFR-59) | As a Project Team, we must provide “white space” between status icons and screen content otherwise our application risks non- approval from the Usability compliance group. | EWNFR-130 |
| [EWNFR-58](https://issues.mobilehealth.va.gov/browse/EWNFR-58) | As a Project Team, we must use icons that are easily recognizable by users so that our application will enhance the user’s experience with our application. | EWNFR-129, EWNFR-360 |
| [EWNFR-57](https://issues.mobilehealth.va.gov/browse/EWNFR-57) | As a Project Team, we must apply alternate row shading for lengthy tables within the application so that our application will enhance the user’s experience with our application. | EWNFR-128, EWNFR-359 |
| [EWNFR-56](https://issues.mobilehealth.va.gov/browse/EWNFR-56) | As a Project Team, we must use consistent model for data entry fields so that our application will enhance the user’s experience with our application. | EWNFR-125, EWNFR-126, EWNFR-127 |
| [EWNFR-55](https://issues.mobilehealth.va.gov/browse/EWNFR-55) | As a Project Team, we must use consistent elements to sort data within the application so that our application will enhance the user’s experience with our application. | EWNFR-124 |
| [EWNFR-54](https://issues.mobilehealth.va.gov/browse/EWNFR-54) | As a Project Team, we must use consistent elements to filter data within the application so that our application will enhance the user’s experience with our application. | EWNFR-123 |
| [EWNFR-53](https://issues.mobilehealth.va.gov/browse/EWNFR-53) | As a Project Team, we must display field labels close to their corresponding entry elements on the screen so that our application will enhance the user’s experience with our application. | EWNFR-122 |
| [EWNFR-52](https://issues.mobilehealth.va.gov/browse/EWNFR-52) | As a Project Team, we must provide a visual indicator for all required fields so that our application will enhance the user’s experience with our application. | EWNFR-121 |
| [EWNFR-51](https://issues.mobilehealth.va.gov/browse/EWNFR-51) | As a Project Team, we must provide field entry tool tips at the field location on the screen so that our application will enhance the user’s experience with our application. | EWNFR-119, EWNFR-120 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-50](https://issues.mobilehealth.va.gov/browse/EWNFR-50) | As a Project Team, we must allow users to print (if applicable) from their current location (if applicable) within the application so that our application will enhance the user’s experience with our application. | EWNFR-118 |
| [EWNFR-29](https://issues.mobilehealth.va.gov/browse/EWNFR-29) | As a Project Team, we must avoid using acronyms/abbreviations so that our application will enhance the user’s experience with our application. | EWNFR-85, EWNFR-86 |
| [EWNFR-28](https://issues.mobilehealth.va.gov/browse/EWNFR-28) | As a Project Team, we must left align the labels for fields so that our application will enhance the user’s experience with our application. | EWNFR-84 |
| [EWNFR-27](https://issues.mobilehealth.va.gov/browse/EWNFR-27) | As a Project Team, we must left align page/section titles to anchor titles in consistent locations on all windows/screens so that our application will enhance the user’s experience with our application. | EWNFR-82, EWNFR-83 |
| [EWNFR-26](https://issues.mobilehealth.va.gov/browse/EWNFR-26) | As a Project Team, we must use simple and consistent button labels so that our application will enhance the user’s experience with our application. | EWNFR-77, EWNFR-78, EWNFR-79, EWNFR-80, EWNFR-81 |
| [EWNFR-25](https://issues.mobilehealth.va.gov/browse/EWNFR-25) | As a Project Team, we must use mixed case text within the application so that our application will enhance the user’s experience with our application. | EWNFR-74, EWNFR-75, EWNFR-76 |
| [EWNFR-24](https://issues.mobilehealth.va.gov/browse/EWNFR-24) | As a Project Team, we must left align column headers so that our application will enhance the user’s experience with our application. | EWNFR-73 |
| [EWNFR-23](https://issues.mobilehealth.va.gov/browse/EWNFR-23) | As a Project Team, we must left align content in table cells so that our application will enhance the user’s experience with our application. | EWNFR-72 |
| [EWNFR-32](https://issues.mobilehealth.va.gov/browse/EWNFR-32) | As a Project Team, we must provide visual separation between the navigation space and the main-content area so that our application will enhance the user’s experience with our application. | EWNFR-90, EWNFR-91 |
| [EWNFR-31](https://issues.mobilehealth.va.gov/browse/EWNFR-31) | As a Project Team, we must use the colors red and green only for status driven content with our application so that our application will enhance the user’s experience with our application. | EWNFR-88, EWNFR-89 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-30](https://issues.mobilehealth.va.gov/browse/EWNFR-30) | As a Project Team, we must provide “Help” information and/or a tooltip when we use acronyms/abbreviations due to screen space limitations so that our application will enhance the user’s experience with our application. | EWNFR-87 |
| [EWNFR-45](https://issues.mobilehealth.va.gov/browse/EWNFR-45) | As a Project Team, we must place critical information in the top portion of the screen so that our application will enhance the user’s experience with our application. | EWNFR-112 |
| [EWNFR-44](https://issues.mobilehealth.va.gov/browse/EWNFR-44) | As a Project Team, we must use consistent locations when placing navigation elements so that our application will enhance the user’s experience with our application. | EWNFR-111 |
| [EWNFR-43](https://issues.mobilehealth.va.gov/browse/EWNFR-43) | As a Project Team, we must make sure that text is sized to be readable so that our application will enhance the user’s experience with our application. | EWNFR-110 |
| [EWNFR-40](https://issues.mobilehealth.va.gov/browse/EWNFR-40) | As a Project Team, we must provide visual indicators for column sorting behaviors so that our application will enhance the user’s experience with our application. | EWNFR-104 |
| [EWNFR-39](https://issues.mobilehealth.va.gov/browse/EWNFR-39) | As a Project Team, we must provide standard sort behavior (based on data within the table) for all column tables so that our application will enhance the user’s experience with our application. | EWNFR-103 |
| [EWNFR-38](https://issues.mobilehealth.va.gov/browse/EWNFR-38) | As a Project Team, we must use standard date and time selection widgets that are device specific so that our application will enhance the user’s experience with our application. | EWNFR-100, EWNFR-101, EWNFR-102 |
| [EWNFR-37](https://issues.mobilehealth.va.gov/browse/EWNFR-37) | As a Project Team, we must always use visible radio buttons for all simple binary options so that our application will enhance the user’s experience with our application. | EWNFR-99 |
| [EWNFR-35](https://issues.mobilehealth.va.gov/browse/EWNFR-35) | As a Project Team, we must make drop-down selection box widths appropriate for the content so that our application will enhance the user’s experience with our application. | EWNFR-96, EWNFR-97 |
| [EWNFR-34](https://issues.mobilehealth.va.gov/browse/EWNFR-34) | As a Project Team, we must have a consistent style for text hyperlinks within our application so that our application will enhance the user’s experience with our application. | EWNFR-94, EWNFR-95 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-33](https://issues.mobilehealth.va.gov/browse/EWNFR-33) | As a Project Team, we must have field level validation and notifications for missing and invalid information on the same page so that our application will enhance the user’s experience with our application. | EWNFR-92, EWNFR-93 |
| [EWNFR-47](https://issues.mobilehealth.va.gov/browse/EWNFR-47) | As a Project Team, we must use consistent screen elements within our application so that our application will enhance the user’s experience with our application. | EWNFR-114 |

# Appendix G – User Interface Specifications

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| EWNFR- 188 | As a Project Team, we must avoid the use of vertically stacked controls so that the user can easily select the control with their fingertip. | EWNFR-228 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-187) [187](https://issues.mobilehealth.va.gov/browse/EWNFR-187) | As a Project Team, we must provide an input indicator for active text entry fields so that the user is aware that the application is expecting input. | EWNFR-227 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-186) [186](https://issues.mobilehealth.va.gov/browse/EWNFR-186) | As a Project Team, we must use tappable elements that are 44x44 points or larger so that the user can easily select the element with their fingertip and avoid an incorrect element selection by the user. | EWNFR-226 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-185) [185](https://issues.mobilehealth.va.gov/browse/EWNFR-185) | See Description for full requirement - As a Project Team, we must allow the user to adjust | EWNFR-224, EWNFR-225 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-184) [184](https://issues.mobilehealth.va.gov/browse/EWNFR-184) | As a Project Team, we must not allow for the content of the screens within the application to take up 80% of more of any screen within the application so that the focus of the screen serves the applications purpose. | EWNFR-223 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-183) [183](https://issues.mobilehealth.va.gov/browse/EWNFR-183) | As a Project Team, we must use an indicator when a list is scrollable so that the user is aware that there is more information to be displayed on the screen. | EWNFR-222 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-181) [181](https://issues.mobilehealth.va.gov/browse/EWNFR-181) | As a Project Team, we must make sure the entire name of our application is visible when the application icon that is displayed on the user’s device so that the full name of the application is evident. | EWNFR-220 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-180) [180](https://issues.mobilehealth.va.gov/browse/EWNFR-180) | As a Project Team, we must use short names for menus items that will not be truncated when displayed on the user’s device so that the purpose of the menu items are evident and user’s memory load is minimized. | EWNFR-219 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-179) [179](https://issues.mobilehealth.va.gov/browse/EWNFR-179) | As a Project Team, we must use the link name to indicate the destination of the link so that the purpose of the link is simply understood. | EWNFR-217, EWNFR-218 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-178) [178](https://issues.mobilehealth.va.gov/browse/EWNFR-178) | As a Project Team, we must make sure that the title of any modal screen represents the task being performed on the screen so that the purpose of the screen is simply understood. | EWNFR-216 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-177) [177](https://issues.mobilehealth.va.gov/browse/EWNFR-177) | See Description for full requirement - As a Project Team, we must make sure that when a list of options | EWNFR-215 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-176) [176](https://issues.mobilehealth.va.gov/browse/EWNFR-176) | As a Project Team, we must give the user a choice to complete the task or abandon the task presented on a modal screen is used so that a clear choice for exit and control over actions for the user. | EWNFR-214 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-175) [175](https://issues.mobilehealth.va.gov/browse/EWNFR-175) | See Description for full requirement - As a Project Team, we must use clear indicators that instructs the user how to move forward | EWNFR-213 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-170) [170](https://issues.mobilehealth.va.gov/browse/EWNFR-170) | As a Project Team, we must make sure that the screens of our application adapt to the orientation (portrait/landscape) of the device so that the application will be consistent with the user’s expectations. | EWNFR-208 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-169) [169](https://issues.mobilehealth.va.gov/browse/EWNFR-169) | As a Project Team, we must make sure that we create our icons based on the standards of the device so that there is consistency in the application and we can avoid confusion. | EWNFR-206, EWNFR-207 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-168) [168](https://issues.mobilehealth.va.gov/browse/EWNFR-168) | As a Project Team, we must make sure that our application properly recognizes any standard physical gestures of the device so that confusion can be avoided by keeping well tested, well established gesture standards. | EWNFR-205 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-166) [166](https://issues.mobilehealth.va.gov/browse/EWNFR-166) | As a Project Team, we must provide a remaining processing time indicator for tasks that will take longer than 10 seconds so that the user is aware the application is processing information. | EWNFR-202 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-165) [165](https://issues.mobilehealth.va.gov/browse/EWNFR-165) | As a Project Team, we must provide a processing indicator for all tasks, regardless of their duration, so that the user is aware the application is processing information. | EWNFR-201 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-164) [164](https://issues.mobilehealth.va.gov/browse/EWNFR-164) | As a Project Team, we must provide immediate feedback (.25) following user input activities so that the user is aware the application has recognized the user’s input. | EWNFR-200 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-163) [163](https://issues.mobilehealth.va.gov/browse/EWNFR-163) | As a Project Team, we must use consistent screen movement throughout the application so that consistency exists and users do not have an additional cognitive load to determine how to perform functions. | EWNFR-199 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-162) [162](https://issues.mobilehealth.va.gov/browse/EWNFR-162) | As a Project Team, we must use consistent scrolling throughout the application so that consistency exists and users do not have an additional cognitive load to determine how to perform functions. | EWNFR-198 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-161) [161](https://issues.mobilehealth.va.gov/browse/EWNFR-161) | As a Project Team, we must present the content of the application consistently throughout the application so that consistency exists and users are able to easily find information. | EWNFR-197 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-159) [159](https://issues.mobilehealth.va.gov/browse/EWNFR-159) | As a Project Team, we must adhere to the standard navigation practices implemented by the VA so that consistency exists and users do not have an additional cognitive load to determine different navigation methods. | EWNFR-195 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-158) [158](https://issues.mobilehealth.va.gov/browse/EWNFR-158) | As a Project Team, we must adhere to the standard navigation practices of the device’s web-browser so that consistency exists and users do not have an additional cognitive load to determine different navigation methods. | EWNFR-194 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-157) [157](https://issues.mobilehealth.va.gov/browse/EWNFR-157) | As a Project Team, we must adhere to the standard navigation practices of the platform’s operating system so that consistency exists and users do not have an additional cognitive load to determine different navigation methods. | EWNFR-193 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-156) [156](https://issues.mobilehealth.va.gov/browse/EWNFR-156) | As a Project Team, we must adhere to the standard navigation of the device so that consistency exists and users do not have an additional cognitive load to determine different navigation methods. | EWNFR-192 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-154) [154](https://issues.mobilehealth.va.gov/browse/EWNFR-154) | As a Project Team, we make sure that the screens within the application are properly linked so they refer to the same encounter so that our application will enhance the user’s experience with our application. | EWNFR-190 |
| [EWNFR-](https://issues.mobilehealth.va.gov/browse/EWNFR-153) [153](https://issues.mobilehealth.va.gov/browse/EWNFR-153) | See Description for Full Req: As a Project Team, we make sure that the screens within the application are properly linked so they refer to the same patient | EWNFR-189 |

# Appendix H – VA Branding (OPIA) Specifications

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-238](https://issues.mobilehealth.va.gov/browse/EWNFR-238) | As a Project Team, we must use the VA Mobile logo on all electronic media associated with our application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-268, EWNFR-269, EWNFR-270, EWNFR-271, EWNFR-683 |
| [EWNFR-234](https://issues.mobilehealth.va.gov/browse/EWNFR-234) | As a Project Team, we must use the VA Memorial logo (If application is sponsored by NCA) provided on the VA Mobile Branding website otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-261, EWNFR-682 |
| [EWNFR-677](https://issues.mobilehealth.va.gov/browse/EWNFR-677) | See Description for Full Req.: As a Project Team, we must ensure our graphics use the appropriate dpi for mobile devices to ensure that graphics are consistently of a good resolution and are not blurry or pixelated | EWNFR-692 |
| [EWNFR-231](https://issues.mobilehealth.va.gov/browse/EWNFR-231) | As a Project Team, we must reference the latest available VA Branding Graphics Style guide when incorporating the VA Mobile logo into our application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-250, EWNFR-251, EWNFR-252, EWNFR-679, EWNFR-680 |
| [EWNFR-239](https://issues.mobilehealth.va.gov/browse/EWNFR-239) | As a Project Team, we must use the fonts listed within the VA Branding Style Guide for application chiclets, splash screens and content otherwise our application risks non- approval from the VA Branding compliance group. | EWNFR-272, EWNFR-273, EWNFR-274 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-237](https://issues.mobilehealth.va.gov/browse/EWNFR-237) | As a Project Team, we must reference the latest available VA Branding Graphics Style guide when incorporating the VA Memorial logo into our application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-266, EWNFR-267 |
| [EWNFR-676](https://issues.mobilehealth.va.gov/browse/EWNFR-676) | As a Project Team, we must VA brand all mobile pages within the application using the responsive template documented in the latest VA Branding Style Guide otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-691 |
| [EWNFR-242](https://issues.mobilehealth.va.gov/browse/EWNFR-242) | As a Project Team, we must create the splash screen for our application using the requirements listed in the latest VA Branding Style Guide otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-285, EWNFR-286, EWNFR-287, EWNFR-288, EWNFR-289, EWNFR-290, EWNFR-291 |
| [EWNFR-230](https://issues.mobilehealth.va.gov/browse/EWNFR-230) | As a Project Team, we must use the VA Administration logo provided in VA Mobile Style Guide otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-248, EWNFR-249 |
| [EWNFR-235](https://issues.mobilehealth.va.gov/browse/EWNFR-235) | As a Project Team, we must reference the latest available VA Branding Graphics Style guide when incorporating the VA Health logo into our application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-262, EWNFR-263 |
| [EWNFR-241](https://issues.mobilehealth.va.gov/browse/EWNFR-241) | See Description for Full Req.: As a Project Team, we must create the chicklet for our application using the appropriate requirements (based on administration) listed in the latest VA Branding Style Guide | EWNFR-277, EWNFR-278, EWNFR-279, EWNFR-280, EWNFR-281, EWNFR-282, EWNFR-283, EWNFR-284, EWNFR-687 |
| [EWNFR-232](https://issues.mobilehealth.va.gov/browse/EWNFR-232) | As a Project Team, we must use the VA Health logo (If application is sponsored by VHA) provided on the VA Mobile Branding website otherwise our application risks non- approval from the VA Branding compliance group. | EWNFR-259 |
| [EWNFR-243](https://issues.mobilehealth.va.gov/browse/EWNFR-243) | As a Project Team, we must name our application in a manner that describes the functionality of the application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-292, EWNFR-293, EWNFR-688, EWNFR-689 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-678](https://issues.mobilehealth.va.gov/browse/EWNFR-678) | See Description for Full Req.: As a Project Team, we must ensure our images use the appropriate dpi for mobile devices to ensure that graphics are consistently of a good resolution and are not blurry or pixelated | EWNFR-693 |
| [EWNFR-236](https://issues.mobilehealth.va.gov/browse/EWNFR-236) | As a Project Team, we must reference the latest available VA Branding Graphics Style guide when incorporating the VA Benefits logo into our application otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-264, EWNFR-265 |
| [EWNFR-240](https://issues.mobilehealth.va.gov/browse/EWNFR-240) | As a Project Team, we must use the appropriate administration color palette described in the latest VA Branding Style Guide otherwise our application risks non- approval from the VA Branding compliance group. | EWNFR-275, EWNFR-276, EWNFR-684, EWNFR-685, EWNFR-686 |
| [EWNFR-233](https://issues.mobilehealth.va.gov/browse/EWNFR-233) | As a Project Team, we must use the VA Benefits logo (If application is sponsored by VBA) provided on the VA Mobile Branding website otherwise our application risks non- approval from the VA Branding compliance group. | EWNFR-260, EWNFR-681 |
| [EWNFR-675](https://issues.mobilehealth.va.gov/browse/EWNFR-675) | As a Project Team, we must VA brand all web pages within the application using the responsive template documented in the latest VA Branding Style Guide otherwise our application risks non-approval from the VA Branding compliance group. | EWNFR-690 |

# Appendix I – Patient Safety (OIT) Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-395](https://issues.mobilehealth.va.gov/browse/EWNFR-395) | Guidance: Software programming calls for data, resources, and services, are transactional, traceable and with clear indications of success and failure. |
| [EWNFR-653](https://issues.mobilehealth.va.gov/browse/EWNFR-653) | Guidance: The user interface implements requirements that articulate user decision making needs based on identifying relevant users, information, tasks, and timing - and relationships between them. |
| [EWNFR-379](https://issues.mobilehealth.va.gov/browse/EWNFR-379) | Guidance: The user interface articulates requirements that capture what information users need to be able to enter so that information is shared, recorded, and utilized by the system. |

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| [EWNFR-350](https://issues.mobilehealth.va.gov/browse/EWNFR-350) | Guidance: The team engages Patient Safety specialist during our development phase. |
| [EWNFR-383](https://issues.mobilehealth.va.gov/browse/EWNFR-383) | Guidance: A confirmation request is presented to the user when a safety critical action that can't be undone is taken. |
| [EWNFR-377](https://issues.mobilehealth.va.gov/browse/EWNFR-377) | Guidance: The important information needed to complete safety critical actions is displayed to the user in a manner that helps the user notice it. For instance, by its position on a screen or font characteristics (e.g. color, bold or underline etc.) |
| [EWNFR-347](https://issues.mobilehealth.va.gov/browse/EWNFR-347) | Guidance: Documentation of a conceptual model and use cases for patient safety critical tasks have been created and sent to Informatics Patient Safety for review. |
| [EWNFR-349](https://issues.mobilehealth.va.gov/browse/EWNFR-349) | Guidance: Documentation of an independent clinical expert review is provided to Informatics Patient Safety. |
| [EWNFR-656](https://issues.mobilehealth.va.gov/browse/EWNFR-656) | Guidance: There is a mechanism in place that will help the user understand abnormal system results by explaining why it is abnormal. |
| [EWNFR-352](https://issues.mobilehealth.va.gov/browse/EWNFR-352) | Guidance: There is a mechanism in place that will allow the team to collect post-deploy patient safety issues. |
| [EWNFR-397](https://issues.mobilehealth.va.gov/browse/EWNFR-397) | Guidance: All screens/pages are uniquely identified within the application. |
| [EWNFR-351](https://issues.mobilehealth.va.gov/browse/EWNFR-351) | Guidance: Pilot testing is conducted and documented in the post deployment environment. |
| [EWNFR-348](https://issues.mobilehealth.va.gov/browse/EWNFR-348) | Guidance: A list of patient safety critical data and tasks has been documented and sent to Informatics Patient Safety for review. |
| [EWNFR-378](https://issues.mobilehealth.va.gov/browse/EWNFR-378) | Guidance: The context for safety critical values must be communicated to reduce the likelihood it is missed or misinterpreted. |
| [EWNFR-385](https://issues.mobilehealth.va.gov/browse/EWNFR-385) | Guidance: Programming calls that fail when trying to support a user action cause a message to be sent to the user and the text presented describes the error. |
| [EWNFR-391](https://issues.mobilehealth.va.gov/browse/EWNFR-391) | Guidance: There is a way for the user to get help with safety critical tasks. |
| [EWNFR-373](https://issues.mobilehealth.va.gov/browse/EWNFR-373) | Guidance: There is a mechanism in place that will allow the team to collect post-deploy patient safety issues. |
| [EWNFR-396](https://issues.mobilehealth.va.gov/browse/EWNFR-396) | Guidance: There is a mechanism in place that captures use errors, allows the user to voluntarily report adverse events and (if applicable) allows for network messaging to be monitored. |

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
| [EWNFR-398](https://issues.mobilehealth.va.gov/browse/EWNFR-398) | As a Project Team, we must uniquely identify application dialog boxes so that we can support problem reporting and monitor system usage after | EWNFR-429 |

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |
|  | deployment. |  |
| [EWNFR-399](https://issues.mobilehealth.va.gov/browse/EWNFR-399) | See Description of Full Guidance: Patient Safety representatives are given the information they need ... |  |
| [EWNFR-375](https://issues.mobilehealth.va.gov/browse/EWNFR-375) | As a Project Team, we must (if applicable) only provide write access to EHR data when necessary so that we can prevent the user from entering incorrect data into our application. | EWNFR-640 |
| [EWNFR-394](https://issues.mobilehealth.va.gov/browse/EWNFR-394) | As a Project Team, we must provide a mechanism to report software issues so that we can monitor system usage after deployment. | EWNFR-425 |
| [EWNFR-374](https://issues.mobilehealth.va.gov/browse/EWNFR-374) | See Description for Full Req: As a Project Team, we must prevent incorrect data entry | EWNFR-639 |
| [EWNFR-376](https://issues.mobilehealth.va.gov/browse/EWNFR-376) | As a Project Team, we must (if applicable) only provide modify access to EHR data when necessary so that we can prevent the user from entering incorrect data into our application. | EWNFR-641 |
| [EWNFR-382](https://issues.mobilehealth.va.gov/browse/EWNFR-382) | Guidance: The user interface articulates requirements that capture what information users need to be able to retrieve so that information is shared, recorded, and utilized by the system. |  |
| [EWNFR-386](https://issues.mobilehealth.va.gov/browse/EWNFR-386) | As a Project Team, we must (when possible) ensure that user actions are undoable so that our application will allow our users to correct errors and easily return to their tasks. | EWNFR-417 |
| [EWNFR-390](https://issues.mobilehealth.va.gov/browse/EWNFR-390) | As a Project Team, we must provide a way for our users to immediately obtain help from someone with specific medical or psychiatric knowledge so that our users can mitigate the effects of guidance that is not sufficient for the user’s current needs. | EWNFR-647 |
| [EWNFR-388](https://issues.mobilehealth.va.gov/browse/EWNFR-388) | As a Project Team, we must include “why it happened” information in error feedback so that our application will allow our users to correct errors and easily return to their tasks. | EWNFR-646 |

# Appendix J – General Specifications

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirement** | **Acceptance Criteria ID** |

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| [EWNFR-710](https://issues.mobilehealth.va.gov/browse/EWNFR-710) | As a Project Team we must ensure that our application gives the user the ability to choose (from within the application) to return to the Launchpad once the application is exited so that a common exit procedure is used for all mobile applications. | EWNFR-745, EWNFR- 746, EWNFR-747 |
| [EWNFR-708](https://issues.mobilehealth.va.gov/browse/EWNFR-708) | As a Project Team, we must include a Help tab or button within our application so that the user can quickly locate important information to assist them in using our application. | EWNFR-742, EWNFR- 743, EWNFR-744 |
| [EWNFR-707](https://issues.mobilehealth.va.gov/browse/EWNFR-707) | As a Project Team, we must include the version number of the application on the About tab so that the use will know which version of the application they are using. | EWNFR-748, EWNFR-749 |
| [EWNFR-696](https://issues.mobilehealth.va.gov/browse/EWNFR-696) | As a Project Team we must ensure that a Splash Screen is displayed upon first use of the application by the user so that we can share important information with and let the user know the application is loading. | EWNFR-739, EWNFR- 740, EWNFR-741 |
| [EWNFR-695](https://issues.mobilehealth.va.gov/browse/EWNFR-695) | As a Project Team, we must include an About tab or button within our application so that the user can quickly locate important information about our application. | EWNFR-736, EWNFR- 737, EWNFR-738 |
| [EWNFR-694](https://issues.mobilehealth.va.gov/browse/EWNFR-694) | As a Project Team, we must ensure that following 15 minutes of inactivity by the current user our application time-outs so that our application efficiently used the limited resources that maybe available to the user. | EWNFR-732, EWNFR- 733, EWNFR-734, EWNFR-735 |

# Appendix K – Data and Terminology Standards Compliance (OIA) Specifications

# Guidance

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| **ID** | **Guidance** |
| [EWNFR-540](https://issues.mobilehealth.va.gov/browse/EWNFR-540) | Guidance: It is recommended that the project team document how all clinical data is stored within the application. This is so the information can quickly and efficiently be provided to the Data and Terminology Standards compliance group. |
| [EWNFR-539](https://issues.mobilehealth.va.gov/browse/EWNFR-539) | Guidance: It is recommended that the project team document how all clinical data is captured within the application. This is so the information can quickly and efficiently be provided to the Data and Terminology Standards compliance group. |
| [EWNFR-533](https://issues.mobilehealth.va.gov/browse/EWNFR-533) | Guidance: It is recommended that the project team documents other clinical data elements that are eligible for submission. This is so the information can quickly and efficiently be provided to the Data and Terminology Standards compliance group. |

# Non-Functional Requirements

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| **ID** | **Non-Functional Requirements** | **Acceptance Criteria ID** |
| [EWNFR-532](https://issues.mobilehealth.va.gov/browse/EWNFR-532) | As a Project Team, we must identify other clinical data elements that are eligible for submission to the Data and Terminology compliance group so that the documentation we submit for the compliance review is complete and accurate. | EWNFR-545 |
| [EWNFR-531](https://issues.mobilehealth.va.gov/browse/EWNFR-531) | As a Project Team, we must follow the RX Norm standard for pharmacy terms so that the clinical data and terminology used within our application conforms to national standards. | EWNFR-544 |
| [EWNFR-530](https://issues.mobilehealth.va.gov/browse/EWNFR-530) | As a Project Team, we must follow the LOINC standard for laboratory terms so that the clinical data and terminology used within our application conforms to national standards. | EWNFR-543 |
| [EWNFR-529](https://issues.mobilehealth.va.gov/browse/EWNFR-529) | As a Project Team, we must follow the SNOMED standard for clinical terms so that the clinical data and terminology used within our application conforms to national standards. | EWNFR-542 |

# APPROVAL SIGNATURES

**From:** BlenPII

**Sent:** Monday, August 04, 2014 6:40 PM

**To:** PII

**Cc:** PPII

**Subject:** RE: Mobile Applications Requirements Specification Document (RSD) \*\*Signatures Required\*\*

Lynn Blendell, Integrated Project Team (IPT) Chair / IT Program Manager

concur.

**From:** PII

**Sent:** Wednesday, August 06, 2014 3:52 PM

**To:** PII

**Cc:** PII

**Subject:** RE: Mobile Applications Requirements Specification Document (RSD) \*\*Signatures Required\*\*

Concur.

Shawn Hardenbrook, Business Sponsor

**From:** PII

**Sent:** Tuesday, August 12, 2014 1:11 PM

**To:** PII

**Cc:** Nelson, PI)

**Subject:** RE: Mobile Applications Requirements Specification Document (RSD) \*\*Signatures Required\*\*

I concur.

Paul Mancini, Project Manager

**From:** PII

**Sent:** Wednesday, August 06, 2014 3:50 PM

**To:** PII

con**C**cu**c**r**:** PII

**Subject:** RE: Mobile Applications Requirements Specification Document (RSD) \*\*Signatures Required\*\*

Daniel McCune, Project Manager