

Department of Veterans Affairs

Patient Record Flag for Suicide Risk and Missing Patients

Requirements Specification Document



Version 1.2

April 2013

Revision History

Date	Revision	Description	Author
11/19/2012	.01	Initial Draft	(POC REDACTED)
12/4/2012	.02	Incorporated (POC REDACTED)feedback	(POC REDACTED)
12/4/2012	1.0	Final peer review complete. Completed final editing review.	(POC REDACTED)
1/15/13	1.1	Updated the out of scope section based on (POC REDACTED)feedback.	(POC REDACTED)
1/16/13	1.2	Updated the Out of scope section.	(POC REDACTED)
4/16/13	1.3	Updated 2.6.1 Review Mail Group	(POC REDACTED)

Table of Contents

<u>1.</u>	<u>Introduction</u>	1
1.1.	<u>Purpose</u>	1
1.2.	<u>Scope</u>	1
1.3.	<u>Out of Scope</u>	1
1.4.	<u>Acronyms and Definitions</u>	2
1.4.1.	<u>Acronyms</u>	2
1.5.	<u>References</u>	3
<u>2.</u>	<u>Overall Specifications</u>	3
2.1.	<u>Accessibility Specifications</u>	3
2.2.	<u>Business Rules Specifications</u>	3
2.3.	<u>Design Constraints Specifications</u>	4
2.4.	<u>Disaster Recovery Specifications</u>	4
2.5.	<u>Documentation Specifications</u>	4
2.6.	<u>Functional Specifications</u>	4
2.7.	<u>Graphical User Interface (GUI) Specifications</u>	5
2.8.	<u>Multi-Divisional Specifications</u>	5
2.9.	<u>Performance Specifications</u>	5
2.10.	<u>Quality Attributes Specifications</u>	5
2.11.	<u>Reliability Specifications</u>	6
2.12.	<u>Scope of Integration</u>	6
2.13.	<u>Security Specifications</u>	6
2.14.	<u>System Features</u>	6
2.15.	<u>Usability Specifications</u>	6
<u>3.</u>	<u>Applicable Standards</u>	6
3.1.	<u>Security</u>	6
3.2.	<u>Certification and Accreditation Standards</u>	7
3.3.	<u>Accessibility Standards</u>	7
3.4.	<u>Communications Interfaces</u>	7
3.5.	<u>Hardware Interfaces</u>	7
3.6.	<u>Software Interfaces</u>	7
3.7.	<u>User Interfaces</u>	7
<u>4.</u>	<u>Legal, Copyright, and Other Notices</u>	8
<u>5.</u>	<u>Purchased Components</u>	8
<u>6.</u>	<u>User Class Characteristics</u>	8
<u>7.</u>	<u>Estimation</u>	9

<u>Attachment A - Approval Signatures</u>	11
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1. Introduction

The requirements defined in this document support the Improve Veteran Mental Health (IVMH) initiative. The project adds functionality to the Patient Record Flag (PRF) applications in Veterans Information System and Technology Architecture (VistA). The enhancements shall provide the ability to identify those Veterans who are missing from Veterans Administration (VA) care.

1.1. Purpose

The Missing Patient Record Flag (MPRF) shall be used to identify a missing patient from a VA facility. This short term Flag will identify a missing patient while in a missing status, so should they appear elsewhere in the system, it is immediately known that they are missing from another facility.

1.2. Scope

The scope includes the following:

- Create National Category I Missing Patient Flag.
- Create Text Integration Utility (TIU) Progress Notes for the Missing Patient Flag.
- Update existing reports to reflect the new Missing Patient Flag:
 - Assignment Action Not Linked
 - Flag Assignment Report
 - Patient Assignment Report
 - Assignments Due for Review Report
 - Assignment Approved by

1.3. Out of Scope

The following items are out of scope:

- The ability to create a new summary report (number of Category I Missing Patients).
- Provide a Category 1 PRF for Danger to Self-Update existing reports to reflect the new Missing Patient Flag.
- Provide the ability to view the category 1 Danger to Self: Missing Patient flag as "Category 1 PRF Danger to Self: Missing Patient".
- Provide the ability to select the Category 1 PRF Danger to Self: Missing Patient for any missing patient not found in the local area search period.
- Provide a Category 1 PRF for Danger to Others.

- Provide the ability to view the category 1 Danger to Self: High Risk for Suicide flag as “Category 1 PRF Danger to Self: High Risk for Suicide”.
- Provide the ability to select the Category 1 PRF Danger to Self: High Risk for Suicide.
- Provide the ability for Category 1 PRF's to appear visually different to the user in CPRS.

Note: This requirement is apportioned and will not be delivered with this IT project. If this is deemed a high priority, the remaining requirement may be moved to a follow on IT project.

This requirement will also require CPRS GUI changes. The CPRS development team will need to be engaged to review the requirements, determine a level of effort, and determine the next available CPRS release this can be added to.

- Provide the ability to select both types of Category 1 PRF Danger to Self.
- Provide the ability to select both Category 1 flags for a veteran if needed.
- Provide the ability to open the PRF to obtain the definition of what the risk is and what to do for the Veteran.
- The creation of a new summary report is not needed, the existing reports will give the user the ability to report the number of Category 1 Missing Patient.

1.4. Acronyms and Definitions

1.4.1. Acronyms

Term	Definition
BRD	Business Requirements Document
DR	Disaster Recovery
ESM	Enterprise System Management
FIPS	Federal Information Processing Standard
GUI	Graphic User Interface
ISO	Information Security Officer
IVMH	Improve Veteran Mental Health
MPRF	Missing Patient Record Flag
NIST	National Institute of Standards and Technology
NSR	New Service Request
OHI	Office of Health Information
PRF	Patient Record Flag
RAEM	Requirements Analysis & Engineering Management

Term	Definition
RSD	Requirements Specification Document
TIU	Text Integration Utility
VA	Veterans Administration
VHA	Veterans Health Administration
VistA	Veterans Information System and Technology Architecture

1.5. References

- Directive 2008-057 Management of Wandering and Missing Patient Events: (HYPERLINK REDACTED) Patient Record Flags - (HYPERLINK REDACTED)
- BRD (HYPERLINK REDACTED)
Directive 2010-053 Patient Record Flags: (HYPERLINK REDACTED)

2. Overall Specifications

2.1. Accessibility Specifications

The Missing Patient Flag is developed in compliance with VA requirements for section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d). These requirements are allocated to projects through the Requirements Analysis & Engineering Management (RAEM) team. RAEM is part of the Enterprise Systems Management (ESM) organization of the Veterans Health Administration (VHA) Office of Health Information (OHI). The RAEM team is responsible for the allocation of enterprise-level requirements to the project team for the purposes of enterprise-wide cross project coordination. The RAEM team utilizes a repository to maintain enterprise-wide requirements that can be found at:

(HYPERLINK REDACTED) The complete set of 508 Compliance standards may be found at:

(HYPERLINK REDACTED)

2.2. Business Rules Specifications

Specific policies and procedures for Missing Patients are outlined in the Directive 2008-057 Management of Wandering and Missing Patient Events. Business Rules consistent with those policies will be developed for the PRF and implemented by the primary stakeholders prior to project release Design Constraints Specifications.

2.3. Design Constraints Specifications

There are no design constraint specifications unique to this patch.

2.4. Disaster Recovery Specifications

Since no new systems are being designed, no new Disaster Recovery (DR) specifications are required.

2.5. Documentation Specifications

The following documentation is included in the contractual deliverable:

Installation Guide Update: Provides the information necessary to install the software with little or no assistance from the software developers or support staff.

Release Notes: Describes changes to existing software and new features and functions created as a result of this remediation.

Security Guide Update: Identifies and explains any unique and/or atypical features and miscellaneous information that may be of particular interest to Information Security Officers (ISOs).

Technical Manual: Provides information that technical users require to support the system.

Users Guides Update: Provides information that end-users require to operate the system.

2.6. Functional Specifications

- 2.6.1. The system shall create a new 'Missing Patient' national PRF entry in the PRF National Flag file #26.15.

New National (Category I) PRF definition:

- Name: **MISSING PATIENT**
- Status: **ACTIVE or INACTIVE***
- Type: **CLINICAL**
- Review Frequency Days: **30**
- Notification Days: **7**
- Review Mail Group: **DGPF – MISSING PT FLAG REVIEW**
- TIU PN Title: **PATIENT RECORD FLAG CATEGORY 1 – MISSING PATIENT**
- Description: **The purpose of this flag is to identify a missing patient in the electronic medical record, including a Text**

Integration Utility (TIU) progress note describing the risk and circumstances.

2.6.2. The system shall give the user the ability to create the Missing Patient flag.

2.6.3. The system shall give the ability to inactivate the Missing Patient flag

***Note:** Activating or Deactivating the flag is a manual process. The status of the flag will be Active while the Patient is missing. The user will not have the ability to delete the flag but will have the ability to inactivate the flag when the patient has been found. Also, the flag and history remains within the PRF package.

2.6.4. The system shall create a new national TIU Note Title '**PATIENT RECORD FLAG CATEGORY 1 – MISSING PATIENT**' to associate with the new Missing Patient flag.

2.6.5. The system shall update the existing PRF reports to include the new Missing Patient flag:

- Assignment Action Not Linked
- Flag Assignment Report
- Patient Assignment Report
- Assignments Due for Review Report
- Assignment Approved by

2.7. Graphical User Interface (GUI) Specifications

The PRF GUI will comply with the general requirements for all VistA® applications as specified in the *VistA Graphical User Interface Standards and Conventions* document, Section 4, *Look and Feel*. This is further defined in the PRF SDD.

2.8. Multi-Divisional Specifications

The user will have the ability to create the Missing Patient Flag on a patient chart that can be viewed throughout the VHA network.

2.9. Performance Specifications

PRF shall comply with the performance specifications already approved for VistA® and the PRF GUI's.

2.10. Quality Attributes Specifications

PRF shall comply with the quality specification already approved for VistA and PRF Quality Attributes Specifications.

2.11. Reliability Specifications

PRF shall comply with the quality specification already approved for Vista and PRF Reliability Specifications.

2.12. Scope of Integration

The patch must be released to the SQA test environment when the PRF functionality starts going through Software Quality Assurance testing. The version of CPRS in place nationally must be installed.

2.13. Security Specifications

All applicable VA security requirements will be adhered to, including Federal Information Processing Standard (FIPS) 199, National Institute of Standards and Technology (NIST) SP 800-60, SP 800-53 and the VA Handbook 6500, Appendix D.

2.14. System Features

All system features are addressed in Section 2.6 of this document.

2.15. Usability Specifications

There are no additional usability specifications unique to this Patch. .

3. Applicable Standards

The following applicable standards are imposed on projects through the RAEM team. The RAEM team is responsible for the allocation of enterprise-level requirements to the project team for the purposes of enterprise-wide cross project coordination Interfaces.

3.1. Security

The Missing Patient flag (MPRF) shall be developed in compliance with VA Directive 6500, Information Security Program. VA Directive 6500 requirements applicable to the MPRF project are allocated to projects through the Office of Enterprise Development. VA Directive 6500 may be found in its entirety at: (HYPERLINK REDACTED)

The MPRF shall be developed in compliance with the Office of Management and Budget (OMB) Circular A-130, Appendix III, Security of Federal Automated Information Resources. Circular A-130 requirements applicable to the MPRF project are allocated to projects through the Office of Enterprise Development. Circular A-130 may be found in its entirety at: (HYPERLINK REDACTED)_

3.2. Certification and Accreditation Standards

The MPRF shall be developed in compliance with VA Handbook 6500.3, Certification and Accreditation of VA Information Systems. The requirements contained in VA Handbook 6500.3 are derived from the Federal Information Security Management Act of 2002 ("FISMA", 44 U.S.C. § 3541, et seq.). VA Handbook 6500.3 requirements applicable to the MPRF project are allocated to projects through the Office of Enterprise Development. VA Handbook 6500.3 may be found in its entirety at: (HYPERLINK REDACTED)

3.3. Accessibility Standards

The MPRF shall be developed in compliance with VA requirements for section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d). These requirements are allocated to projects through the Office of Enterprise Development. The complete set of 508 Compliance standards may be found at: (HYPERLINK REDACTED)

3.4. Communications Interfaces

There are no changes needed to the communications interface.

3.5. Hardware Interfaces

There are no changes needed to the hardware interfaces.

3.6. Software Interfaces

PRF is accessed via VistA and displayed in CPRS.

3.7. User Interfaces

These are defined in the SDD. The interface design will comply with the basic requirements for all VistA applications.

4. Legal, Copyright, and Other Notices

There is no unique Legal, Copyright or Other Notices applicable to this Patch.

5. Purchased Components

There are no purchased components in this Patch.

6. User Class Characteristics

There are no unique user class characteristics for this Patch.

7. Estimation

A Function Point Count (FPC) estimate will occur after the approval of the Requirement Specification Document (RSD).

Function Point Analysis Results Table

Project Software Functional Size and Size-based Effort and Duration Estimate						
	Application					
Item	A	B	C	D	E	Total
Counted Function Points						
Estimated Scope Growth						
Estimated Size At Release						
Size-based Effort Estimates					Labor Hours	Probability
Low Effort estimate – with indicated probability, project will consume no more than:						
High Effort estimate -- with indicated probability, project will consume no more than:						
Size-based Duration Estimates					Work Days	Probability
Low Duration estimate – with indicated probability, project will consume no more than:						
High Duration estimate -- with indicated probability, project will consume no more than:						

[Insert Cumulative Probability (“S-curve”) Charts here]

Attachment A - Approval Signatures

This section is used to document the approval of the Requirements Specification Document during the Formal Review. The review should be ideally conducted face to face where signatures can be obtained 'live' during the review however the following forms of approval are acceptable:

1. Physical signatures obtained face to face or via fax
2. Digital signatures tied cryptographically to the signer
3. /es/ in the signature block provided that a separate digitally signed e-mail indicating the signer's approval is provided and kept with the document

The Chair of the governing Integrated Project Team (IPT), Business Sponsor, IT Program Manager, and the Project Manager are required to sign. Please annotate signature blocks accordingly.

REVIEW DATE: <date>

SCRIBE: <name>

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