

**Improve Veteran Mental Health (IVMH) Initiative
Missing Patient Record Flag (MPRF)**

Software Design Document (SDD)

Version 1.0



September 2013

Revision History

Date	Revision	Description	Author
09/17/13	0.6	Updated Security Keys section to reflect changes from Version 3 build (removal of DGPF MISSING_PRF security key).	(POC REDACTED)
09/17/13	0.6	Update Design Elements Table Section 3.3	(POC REDACTED)
04/30/13	0.5	Suppllicated "Environments Used" Section (2.5)	(POC REDACTED)
04/29/13	0.4	Updates per development	(POC REDACTED)
12/19/12	0.3	Initial Draft of Sections 1 through 3 for Missing Patient – Patient Record Flag peer review changes.	(POC REDACTED)
12/19/12	0.2	Peer and editing review completed.	(POC REDACTED)
12/14/12	0.1	Initial Draft of Sections 1 through 3 for Registration – Patient Record Flag changes.	(POC REDACTED)

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1. Introduction

This request was submitted by the Veterans Health Administration (VHA) Head Quarters Clinical/Quality Assurance Liaison and Deputy Under Secretary for Health for Operations & Management. In the early 1990s, the Government Accountability Office mandated that a mechanism be developed to identify missing patients. This request is to utilize the Missing Patient Record Flag (MPRF), to replace the Missing Patient Registry software system, which is no longer in use. The now defunct software system would have been costly due to required redesigning, to bring the registry into compliance with current Health Insurance Portability and Accountability Act (HIPAA) and encryption requirements.

1.1. Purpose

The purpose of this document is to describe in sufficient detail how the Missing Patient - Patient Record Flag (PRF) project will be constructed. This Software Design Document (SDD) translates the Requirement Specifications into a document from which the various package developers can create the actual system and software. This SDD identifies the top-level system architecture, and identifies hardware, software, communication, and interface components per the Missing Patient - PRF. The document outlines the functionality requirements for Registration (DG) - Patient Record Flag (PRF), Order Entry/Results Reporting (OE/RR), Text Integration Utility (TIU) to support professionals providing care for missing patients.

The intended audience for this SDD includes the project team development staff (programmers, technical writers, and analysts), Customer Product Support staff, Software Quality Assurance (SQA) staff, and Release Coordinators.

1.2. Scope

The Patient Record Flag is a nationally deployed application within the Veterans Information System and Technology Architecture (Vista) and the Computerized Patient Record System (CPRS) that creates a flag on the patient's chart to emphasize the presence of significant risk factors for the patient. Currently, the only Category 1 Flag authorized for national release is a Behavioral Flag. Under current guidelines, this flag is to be used in the event that a significant risk for violence is present.

The Patient Record Flag Advisory Board reviews all software requests to maintain compliance with the National Patient Record Flag VHA Directive 2003-048 and has approved this new Category 1 Patient Record Flag for Missing Patients (PRF-MP). The use of PRF-MP in being able to identify a missing patient should that patient show anywhere in the system is crucial to being able to identify these high risk patients, while also allowing clinical care gives the ability to assist in location of missing patients across the VA Department of Veterans Affairs (VA) system.

Table 1 Scope Inclusions

Includes
1) Create National Category 1 Missing Patient Flag
2) Create Text Integration Utility (TIU) Progress Notes for the Missing Patient Flag
3) Update existing reports to reflect the new Missing Patient Flag

Table 2 Scope Exclusion

Excludes
<ol style="list-style-type: none"> 1) The ability to create a new summary report of Category 1 Missing Patients 2) Provide a Category 1 PRF for Danger to Self-Update existing reports to reflect the new Missing Patient - PRF 3) Provide the ability to view the category 1 Danger to Self: Missing Patient flag as “Category 1 PRF Danger to Self: Missing Patient” 4) 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. 5) Provide a Category 1 PRF for Danger to Others 6) 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” 7) Provide the ability to select the Category 1 PRF Danger to Self: High Risk for Suicide 8) Provide the ability for the two Category 1 PRF’s to appear visually different to the user 9) Provide the ability to select both types of Category 1 PRF Danger to Self 10) Provide the ability to select both Category 1 flags for a veteran if needed 11) Provide the ability to open the PRF to obtain the definition of what the risk is and what to do for the Veteran.

1.3. Definitions and Acronyms

1.3.1. Definitions

Term	Definition
Computerized Patient Record System (CPRS)	An integrated, comprehensive suite of clinical applications in VistA that work together to create a longitudinal view of the veteran’s Electronic Medical Record (EMR). CPRS comes in both the GUI and character-based formats. CPRS capabilities include a Real Time Order Checking System, a Notification System to alert clinicians of clinically significant events, Consult/Request tracking and a Clinical Reminder System. CPRS provides access to most components of the patient chart.
DGPF	Registration – Patient Record Flag namespace.
M	The Massachusetts General Hospital Utility Multi-Programming System (MUMPS) programming language. This is the programming language used to create most VistA legacy applications.
Master Veteran Index (MVI)	Master Veteran Index (MVI) - the authoritative source for identity data.
OR	CPRS Order Entry/Results Reporting namespace
Reminder Definitions	These are pre-defined sets of findings that are used to identify patient cohorts and reminder resolutions. The reminder is used for patient care and/or report extracts.

Term	Definition
Reminder Terms	Terms are used to map local findings to national findings, providing a method to standardize the findings for national use. These are also used for local grouping of findings for easier reference in reminders and are defined in the Reminder Terms file.
Reminder Dialogs	These are pre-defined sets of text and findings that provide information to the CPRS GUI for collecting and updating appropriate findings while building a progress note.
TIU	Text Integration Utility namespace
VA	Department of Veterans Affairs

1.3.2. Acronyms

Term	Definition
API	Application Program Interface
BRD	Business Requirements Document
CPRS	Computerized Patient Record System
EMR	Electronic Medical Record
GUI	Graphic User Interface
HIPAA	Health Insurance Portability and Accountability Act
IVMH	Improve Veteran Mental Health
MH	Mental Health
MUMPS	Massachusetts General Hospital Utility Multi-Programming System
MVI	Master Veteran Index
NSR	New Service Request
OE/RR	Order Entry/Results Reporting
PRF	Patient Record Flag
PRF-MP	Patient Record Flag for Missing Patients
RPC	Remote Procedure Calls
RSD	Requirements Specification Document
SDD	Software Design Document
SQA	Software Quality Assurance
TIU	Text Integration Utility
TSPR	Technical Service Project Repository
VA	Department of Veterans Affairs
VHA	Veterans Health Administration
VistA	Veterans Information System and Technology Architecture

1.4. References

This SDD is derived from the *Patient Record Flag – Missing Patient* Requirements Specification Document (RSD), located in the Technical Service Project Repository (TSPR) Project Notebook at **(HYPERLINK REDACTED)**

Other references are:

- New Service Request: **(HYPERLINK REDACTED)**
- 20061204 Replacement System for Missing Patient Registry Business Requirements Document (BRD)

- Patient Record Flags - (**HYPERLINK REDACTED**)
- MH Initiatives memo, Deputy Undersecretary for Health Operations and Management, June 1, 2007

Related Improve Veteran Mental Health (IVMH) projects with integration/dependency issues:

- High Risk Mental Health Patient – National Reminder and Flag project and project documentation, located in the TSPR Project Notebook at (**HYPERLINK REDACTED**).

2. Conceptual Design

2.1. Product Perspective

Missing Patient - PRF functionality is supported by M software from the following VistA packages; as they relate to the deliverable for this project.

Software Package	Namespace
Registration - Patient Record Flag (PRF)	DGPF
Order Entry/Results Reporting (includes Notifications and CPRS)	OR
Text Integration Utility	TIU

Any Massachusetts General Hospital Utility Multi-Programming System (M) patches related to this project will be released to the field in patch releases in 2013. At this time, one M patch is anticipated for this project.

The following are key components for this project which test sites will receive to test and sign-off on.

- 1) This project creates a new 'Missing Patient' national PRF entry in the PRF National Flag file with the following values

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 I - 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) Text Integration Utility (TIU) Progress Notes for the Missing Patient Flag
 - 3) Update existing reports and notifications to reflect the new Missing Patient Flag

2.1.1. User Interfaces

Mental health professionals will use the Veterans Information System and Technology Architecture (VistA) MailMan tools to view Missing Patient – PRF messages.

Clinicians will use the CPRS GUI to view reminder statuses and document activity in a reminder dialog.

Clinicians will use the CPRS notification parameter tools to control which recipients should receive a notification.

2.1.2. Hardware Interfaces

Existing VistA hardware interfaces will be used.

2.1.3. Software Interfaces

All software will be programmed in M. There are several M interfaces with project dependencies that will be utilized during this project.

Software Interfaces	Package
Registration - Patient Record Flag: 1) API to access the Missing Patient - PRF status given a date range 2) API to provide a list of veteran's with the active flag at some time during a date range	Scheduling, Clinical Reminders, Text Integration Utility, Health Summary, and Order Entry/Results Reporting (including CPRS) - Notifications.
Text Integration Utility 1) TIU Objects (including Progress Notes)	Health Summary

2.1.4. Communications Interfaces

All package modifications will use existing communication interfaces.

2.1.5. Memory Constraints

There will be no impact on memory constraints.

2.1.6. Special Operations

All package modifications will not need any special operations to fulfill its Missing Patient - PRF requirements.

2.2. Product Features

The Missing Patient – PRF will utilize existing Patient Record Flag (PRF) apparatus with necessary modification to support Missing Patient - PRF requirements. This PRF apparatus includes existing features within multiple VistA packages, presented in the following paragraphs.

2.2.1. Registration – Patient Record Flag (DG) product features

The product features below are provided by the DG package to support project components.

1. Get the list of Missing Patient - PRF individuals, active at some point within a specified date range, given the specified Patient, Start Date, End Date and Flag Name
2. Get an individual's Missing Patient - PRF information including the assignment status multiple, given the specified patient, date range and Flag Name.
3. Get generic reports for PRF including Missing Patient - PRF data.

2.2.2. MailMan (XM) product features

The product features below are provided by the XM package to support project components.

1. Provide infrastructure to send Mail Man message to **DGPF MISSING PT FLAG REVIEW** mail-group members.

2.2.3. Text Integration Utility (TIU) Product Features

The product features below are provided by the TIU package to support project components.

1. Provide a means to formally document administration of the PRF – Missing Patient
2. Provide documentation dialog including progress notes and Reminder Dialog.

* Note:

The TIU patch TIU*1*279 will be a pre-requisite patch for PRF Missing Patient functionality. That patch creates and installs necessary TIU Progress Note data.

2.2.4. Order Entry/Results Reporting - Notifications (OR) Product Features

The product features below are provided by the OR package to support project components.

1. Enable a type of notification to CPRS users of any patient's record with an active Missing Patient - PRF.

2.3. User Characteristics

The Missing Patient – PRF will utilize existing PRF apparatus with necessary modification to support Missing Patient – PRF requirements. The requirements of the Missing Patient – PRF project will create/define a patient record flag to support the identification of a missing patient/resident; this includes existing PRF reporting and documentation supported by specific features of multiple VistA packages.

The intended user of the new Missing Patient – PRF is the VHA professional.

The Missing Patient – PRF reporting tools will be available to the VHA professional.

2.4. Dependencies and Constraints

There is a dependency on the existing PRF notification apparatus per CPRS. There is a dependency on MailMan for the delivery of messages to **DGPF MISSING PT FLAG REVIEW** mail-group members. Missing Patient – PRF depends on TIU dialog and Reminder Dialog to allow users to create a progress note per Missing Patient – PRF implementation. There is also a dependency on existing PRF apparatus ability to communicate to the entire VHA enterprise the assignment of PRF(s) to a patient's/resident's record.

2.5. Development and Test Environments

The following FO-BAYPINES VistA servers/environments have been configured and used for Missing PRF development and testing:

- (REDACTED)
- (REDACTED)
- (REDACTED)
- (REDACTED)

These environments have been configured and updated with current TIU, (REDACTED), PRF, and Master Veteran Index (MVI) resources. Implementation of the developed Missing PRF will require the environments to be configured as those listed above.

3. Specific Requirements

3.1. Database Repository

Missing Patient - PRF will conform to all VHA requirements on this section.

3.2. System Features

- Missing Patient - PRF will allow a user to assign the Missing Patient - PRF to a patient's record as deemed appropriate. A user can then give the flag an active or inactive status. A patient's record with an active Missing Patient - PRF designates that particular patient as "missing".
- Missing Patient - PRF will utilize an existing VistA PRF interface/options that will return the multiple assignment statuses, if applicable, for a specified PRF and patient during a specified date range. The Assignment History should be returned for the assignment statuses that overlap the specified date range.
- Missing Patient - PRF will utilize an existing VistA PRF interface/options for generic PRF reporting as well.
- Missing Patient – PRF will utilize existing VistA PRF interface/options to allow a user to document Missing Patient – PRF implementation.

3.3. Design Element Tables

3.3.1. DG53869P

Routine ^DG53869P is a new routine and it is a Post Installation routine

for patch DG*5.3*869. Routine DG53869P creates Mail Group (DGPf MISSING PT FLAG REVIEW) File # (3.8) and creates Patient Record Flag (MISSING PATIENT) in the PRF NATIONAL FLAG # (26.15)

Routine Name	DG53869P	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	2.1.2.1.	
Related Options	N/A	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	
Data Dictionary References	PRF NATIONAL FLAG File # (26.15) PRF TYPE File # (26.16) MAIL GROUP File # (3.8) TIU DOCUMENT DEFINITION File # (8925.1)	
Related Protocols	N/A	
Related Integration	IA: 1146 \$Mg^XMBGRP Supported	

Routine Name	DG53869P
Agreements	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> <input type="checkbox"/> Global <input type="checkbox"/> Local Reference Reference Both Reference
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	Creates MailGroup (DGPF MISSING PT FLAG REVIEW) File # (3.8) Creates Patient Record Flag (MISSING PATIENT) File # (26.15)
Current Logic	
N/A	
Modified Logic (Changes are in bold)	
<pre> DG53869P ;CHY/TJ - DG*5.3*869 MISSING - PRF POST ROUTINE ; ;5.3;Registration;**869**;AUG 13,1993;Build 7 ; ; Post Installation Routine for patch DG*5.3*869 ; EN ; D MGSETUP ; <--- Creates MailGroup (DGPF MISSING PT FLAG REVIEW) File # (3.8) D DGPFSET ; <--- Creates Patient Record Flag (MISSING PATIENT) File # (26.15) Q ; MGSETUP ; ; ;DBIA: 1146 \$\$MG^XMBGRP Supported ; ;This mail group API contains the entry point \$\$MG^XMBGRP ;Creates a mail group or add local members to an existing mail group. ; ;If the mail group does not exist, it will be created. Local ;members may be added. There is no way to add other kinds of ;members. XMTYPE, XMORG, XMSELF, and XMDESC are accepted. ;Usage: S X=\$\$MG^XMBGRP(XMGROUP,XMTYPE,XMORG,XMSELF,XMY,,XMDESC,XMQUIET) ;This function returns the mail group IEN if successful; 0 if not. ; ;Parameters: ;XMGROUP mail group IEN or name ;XMTYPE mail group type (public or private) ;XMORG organizer DUZ ;XMSELF self enrollment allowed? ;XMY array of local members ;XMDESC array of text for the mail group description ;XMQUIET silent flag ; N XMGROUP,XMTYPE,XMORG,XMSELF,XMQUIET K XMY,XMDESC S (XMY,XMDESC)="";n ew parameters S XMGROUP="DGPF MISSING PT FLAG REVIEW" ;mail group IEN or name S XMTYPE=0 ;mail group type (public or private) S XMORG=\$G(XPDQUES("POS1 QUESTION"),DUZ) ;organizer (default=DUZ) S XMSELF=1 ;self enrollment allowed? </pre>	

Routine Name	DG53869P
<pre> S XMY="" ;array of local members S XMDESC="Members of this Mail Group will be notified via a MailMan message when a patient/resident has been assigned the NATIONAL, CATAGORY I - MISSING PATIENT RECORD FLAG" ;array of text for the mail group description S XMQUIET=0 ;silent flag ; N X S X=\$\$MG^XMBGRP(XMGROUP,XMTYPE,XMORG,XMSELF,.XMY,.XMDESC,XMQUIET) Q ; DGPFSET ; ;DG*5.3*869 ;2.6.1. 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. ; I \$\$PRODPRF()["**ERROR**" D BMES^XPDUTL("National Category I , Patient Record Flag: MISSING PATIENT created") Q ; PRODPRF() ; N %,DGPFERR,DGPFFDA,DGPFIEN,DGPFMSG,DGPFNM,DGPFSTAT,DGPFTYP,DGPFREFD,DGP FNOTD,DGPFRMG,DGPFTIU,DGPFDS S DGPFNM="MISSING PATIENT" ;<--- NAT FLAG NAME (MISSING PATIENT) S DGPFSTAT=1 ;<--- ACTIVE STATUS (1) S DGPFTYP=\$\$FIND1^DIC(26.16,"","X","CLINICAL","B") ;<--- TYPE (CLINICAL) S DGPFREFD=30 ;<--- REVIEW FREQUENCY DAYS (30) S DGPFNOTD=7 ;<--- NOTIFICATION DAYS (7) S DGPFRMG=\$\$FIND1^DIC(3.8,"","X","DGPF MISSING PT FLAG REVIEW","B") ;<--- REVIEW MAIL GROUP (DGPT-MISSING PT FLAG REVIEW) I +DGPFRMG>0 S DGPFERR="**ERROR** UNABLE TO DEFINE * "_"DGPF MISSING PT FLAG REVIEW"_" * MAIL GROUP" D BMES^XPDUTL(DGPFERR) Q DGPFERR S DGPFTIU=\$\$FIND1^DIC(8925.1,"","X","PATIENT RECORD FLAG CATEGORY I - MISSING PATIENT","B") ;<--- TIU PN TITLE (PATIENT RECORD FLAG CATEGORY 1 - MISSING PATIENT) I +DGPFTIU>0 S DGPFERR="**ERROR** UNABLE TO DEFINE * ""PATIENT RECORD FLAG CATEGORY 1 - MISSING PATIENT"" * TIU PN TITLE" D BMES^XPDUTL(DGPFERR) Q DGPFERR S DGPFDSC(1)="The purpose of this flag is to identify a missing patient in the " S DGPFDSC(2)="electronic medical record, including a Text Integration Utility (TIU) " S DGPFDSC(3)="progress note describing the risk and circumstances." </pre>	

Routine Name	DG53869P
<pre> S DGPFFERR=" PRF National Flag Created: "_DGPFNM S DGPFFDA(26.15,"?+1",".01)=DGPFNM ; NAME S DGPFFDA(26.15,"?+1",".02)=DGPFSTAT ; STATUS S DGPFFDA(26.15,"?+1",".03)=DGPFTYP ; TYPE S DGPFFDA(26.15,"?+1",".04)=DGPFRFD ; REVIEW FREQUENCY DAYS S DGPFFDA(26.15,"?+1",".05)=DGPFNOTD ; NOTIFICATION DAYS S DGPFFDA(26.15,"?+1",".06)=DGPFRMG ; REVIEW MAIL GROUP S DGPFFDA(26.15,"?+1",".07)=DGPFTIU ; TIU PN TITLE D UPDATE^DIE("","DGPFFDA","DGPFIEN","DGPFMSG") ;D WP^DIE(file,iens,field,flags,wp_root,msg_root) S:\$G(DGPFIEN) DGPFIEN=+DGPFIEN(1) D WP^DIE(26.15,DGPFIEN_"",",1","", "DGPFDSC","DGPFMSG") ; DESCRIPTION I \$D(DGPFMSG) D Q DGPFFERR . S DGPFFERR=" **ERROR** "_\$G(DGPFMSG("DIERR",1))_" Unable to create Patient Record Flag: "_DGPFNM ; Find the IEN of the NATIONAL PRF S DGPFIEN=\$\$FIND1^DIC(26.15,"","X",DGPFNM,"B") I 'DGPFIEN D Q DGPFFERR . S DGPFFERR=" **ERROR** Unable to locate NAT PRF - "_DGPFNM Q DGPFFERR ; </pre>	

3.3.2. MAIN^TIUPS279

This project will use patch TIU*1*279. That TIU patch has been created to support Missing – PRF functionality. TIU*1*279 uses the MAIN^TIUPS279 post-install routine to install the Title (PATIENT RECORD FLAG CATEGORY I - MISSING PATIENT) and maps that Title to the Enterprise Standard Title and Document Class (PATIENT RECORD FLAG CAT I).

Routine Name	3.3.5. MAIN^TIUPS279	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	N/A
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	IA 4386 DGPF ASSOCIATED FLAG PN TITLE	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global <input type="checkbox"/> Local Reference Reference	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	Installs Title and maps it to Enterprise Standard Title and Document Class.	

Routine Name	3.3.5. MAIN^TIUPS279
Current Logic	
N/A	
Modified Logic (Changes are in bold)	
TIUPS279 ; CHY/TJ - Post-Install for 279 ;03/13/12 15:46 ;;1.0;TEXT INTEGRATION UTILITIES;**279**;Jun 20, 1997;Build 41 ; Post Installation Routine for patch TIU*1.0*279 ; Installs Title and maps it to Enterprise Standard Title and Document Class ; ; EXTERNAL REFERENCES ; BMES^XPDUTL 10141 ; \$\$FIND1^DIC ; NOW^%DTC ; UPDATE^DIE 2053 ; MAIN ; Control subroutine N TIUFPRIV,TIUP279X,TIUDNM,TIUSNM,TIUNATL,TIUDC S TIUFPRIV=1 S TIUDNM="PATIENT RECORD FLAG CATEGORY I - MISSING PATIENT" ; Name S TIUSNM="PRF Cat I - Missing" ; Short Name S TIUNATL="MENTAL HEALTH PATIENT RECORD FLAG" ; Enterprise Standard Title S TIUDC="PATIENT RECORD FLAG CAT I" ; Document Class S TIUP279X=**CREATE(TIUDNM,TIUNATL) ; TIUP279X is "Success message" or "Error text" D BMES^XPDUTL(TIUP279X) S TIUP279X=**INSTALL(TIUDNM,TIUDC,TIUSNM) ; TIUP279X is "Success message" or "Error text" D BMES^XPDUTL(TIUP279X) Q CREATE (TIUDNM,TIUNATL) ; Create new DDEF entry N %,TIUERR,TIUFDA,TIUIEN,TIUMSG S TIUERR=" Title Created: "_TIUDNM S TIUFDA(8925.1,"?+1,",.01)=TIUDNM ; NAME S TIUFDA(8925.1,"?+1,",.03)=TIUDNM ; PRINT NAME S TIUFDA(8925.1,"?+1,",.04)="DOC" ; TYPE: TITLE S TIUFDA(8925.1,"?+1,",.06)=**FIND1^DIC(8930,"","X","CLINICAL COORDINATOR","B") ; OWNER S TIUFDA(8925.1,"?+1,",.07)=11 ; STATUS: ACTIVE S TIUFDA(8925.1,"?+1,",.13)=1 ; NATIONAL STANDARD: YES S TIUFDA(8925.1,"?+1,",3.02)=1 ; OK TO DISTRIBUTE: YES S TIUFDA(8925.1,"?+1,",99)=**H ; TIMESTAMP S TIUFDA(8925.1,"?+1,",1501)=**FIND1^DIC(8926.1,"","X",TIUNATL,"B") ; VHA ENTERPRISE STANDARD TITLE D NOW^%DTC S TIUFDA(8925.1,"?+1,",1502)=% ; MAP ATTEMPTED S TIUFDA(8925.1,"?+1,",1503)=DUZ ; MAP ATTEMPTED BY D UPDATE^DIE("","TIUFDA","TIUIEN","TIUMSG") I \$D(TIUMSG) D Q TIUERR S TIUERR=" **ERROR** "_\$G(TIUMSG("DIERR",1))_" Unable to create Title "_TIUDNM Q TIUERR INSTALL (TIUDNM,TIUDC,TIUSNM) ; Install document definition N TIUERR,TIUFPRIV,TIUTIEN,TIUDIEN,TIUFDA,TIUIEN,TIUMSG S TIUERR=" Title attached to Document Class "_TIUDC	

Routine Name	3.3.5. MAIN^TIUPS279
<pre> S TIUFPRIV=1 ; Find the IEN of the Title S TIUTIEN=\$\$FIND1^DIC(8925.1,"","X",TIUDNM,"B") I 'TIUTIEN D Q TIUERR . S TIUERR=" **ERROR** Unable to locate Title "_TIUDNM ; Find the IEN of the Document Class S TIUDIEN=\$\$FIND1^DIC(8925.1,"","X",TIUDC,"B") I 'TIUDIEN D Q TIUERR . S TIUERR=" **ERROR** Unable to locate Document Class "_TIUDC ; Attach the Title to Document Class S TIUFDA(8925.14,"?+2,"_TIUDIEN_",",.01)=TIUTIEN ; ITEM S TIUFDA(8925.14,"?+2,"_TIUDIEN_",",2)=""; MNEMONIC S TIUFDA(8925.14,"?+2,"_TIUDIEN_",",3)=""; SEQUENCE S TIUFDA(8925.14,"?+2,"_TIUDIEN_",",4)=TIUSNM ; MENU TEXT D UPDATE^DIE("","TIUFDA","TIUIEN","TIUMSG") I \$D(TIUMSG) D Q TIUERR . S TIUERR=" **ERROR** Unable to update Document Class "_TIUDC Q TIUERR </pre>	

3.3.3. Templates

Template Name	N/A			
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				
Template Type	<input type="checkbox"/> Sort	<input type="checkbox"/> Input	<input type="checkbox"/> Print	<input type="checkbox"/> Other
Related Options	N/A			
Related Routines	Routines “Called By”		Routines “Called”	
	N/A			
Data Dictionary References				
Global References				

3.3.4. Bulletins

Bulletin Name	N/A			
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				
Related Routines	Routines “Called By”		Routines “Called”	
Mail Subject				
Mail Group				
Parameters				

Bulletin Name	N/A
Data Dictionary References	

3.3.5. Data Dictionaries

File Name and Number	N/A
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	
Related Options	
Data Dictionary References	N/A
Related Protocols	N/A
Related Database Integration Agreements	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both Reference <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
File Documentation	N/A
File Auditing, Security, and Archiving	N/A

3.3.6. Mail Groups

Mail Group Name	MISSING PATIENT NOTIFICATION DGPf MISSING PT FLAG REVIEW	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	^DGPfMPPMG	
Data Dictionary References	^XMB(3.8,	
Related Protocols	N/A	
Mail Group Description	Persons in this mail group will receive the Missing Patients report/notification that is generated.	
Self-Enrollment Allowed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Type	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	

3.3.7. Security Keys

Important: the user must be assigned the DGPf ASSIGNMENT security key to use the Missing Patient – PRF.

3.3.8. Options

Option Name	N/A
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Menu Options, etc., that will invoke this reference	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Menu Text Description	N/A
Option Type	<input type="checkbox"/> Edit <input type="checkbox"/> Print <input type="checkbox"/> Menu <input type="checkbox"/> Inquire <input type="checkbox"/> Action <input checked="" type="checkbox"/> Run Routine <input type="checkbox"/> Other
Associated Routine	
Option Definition	
Current Entry Action Logic	
N/A	
Modified Entry Action Logic (Changes are in bold)	
N/A	
Current Exit Action Logic	
N/A	
Modified Exit Action Logic (Changes are in bold)	
N/A	

3.3.9. Protocols

Protocol Name	N/A
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Protocols	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Item Text Description	N/A
Protocol Type	<input type="checkbox"/> Action <input type="checkbox"/> Menu <input type="checkbox"/> Protocol <input type="checkbox"/> Protocol Menu <input type="checkbox"/> Limited Protocol <input type="checkbox"/> Extended Action <input type="checkbox"/> Dialog <input type="checkbox"/> Other
Associated Routine	N/A
Current Entry Action Logic	
Modified Entry Action Logic (Changes are in bold)	
Current Exit Action Logic	
Modified Exit Action Logic (Changes are in bold)	

3.3.10. Remote Procedure Call (RPC)

There are no applicable changes for this section.

Name	N/A
TAG^RTN	
Input Parameters	
Results Array	<input type="checkbox"/> Single Value <input type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	

3.3.11. Constants Defined in Interface

There are no applicable changes for this section

Name	Description
N/A	

3.3.12. Variables Defined in Interface

There are no applicable changes for this section.

Name	Type	Description
N/A		

3.3.13. Types Defined in Interface

There are no applicable changes for this section.

Name	Type	Description
N/A		

3.3.14. Graphic User Interface (GUI)

There are no applicable changes for this section.

Unit Name	N/A

3.3.15. GUI Classes Defined

There are no applicable changes for this section

Class Name	N/A
Derived From Class Name	
Purpose	

A. Missing Patient Flag Review Notification Message (example)

>D ^XM

VA MailMan 8.0 service for DGPf.PROVIDERONE@TEST.TEST
You last used MailMan: 11/09/13@12:14
You have 280 new messages.

Select MailMan Option: READ/MANAGE MESSAGES

Select message reader: Classic//
Read mail in basket: IN// (746 messages, 280 new)
Last message number: 746 Messages in basket: 746 (280 new)
Enter ??? for help.

IN Basket Message: 1// 746

Subj: DGPf MISSING PATIENT MESSAGE # [#106141] 11/09/13@12:14 49 lines
From: POSTMASTER In 'IN' basket. Page 1

DGPf MISSING PATIENT NOV 9,2013@12:13 PAGE 1
BY CLINIC
PATIENT PT ID EVENT D/T CLINIC STOP CODE

DIVISION: TEST

TESTPATIENT,ONE 4321 NOV 8,2013@08:00 TESTCLINONE 144

Home: NNN-NNNN

Emergency Contact:
E-Cont.: TEST,ONE
Provider: PROVIDER,ONE
Future Scheduled Appointments:
TESTCLINONE NOV 9,2013@08:00 CVS 1ST FLOOR
Results:

Enter RETURN to continue or '^' to exit:

Subj: DGPf MISSING PATIENT MESSAGE # [#106141] Page 2

TESTTWO,TEST 3311 NOV 8,2013@08:00 UROLOGY 141

Home: (nnn)NNN-NNNN
Work: (nnn)NNN-NNNN
Cell: (nnn)NNN-NNNN

Next of Kin:
NOK: TEST,FIRST NOK2: TEST,SECOND
Relation: FATHER Relation: MOTHER
Home Phone: (nnn)NNN-nnnn Home Phone:
Office Phone: (nnn)NNN-NNNN Office Phone: (NNN)nnn-NNnn
Emergency Contact:
E-Cont.: CONTACT,FIRST E2-Cont.: CONTACT,TWO
Relation: FATHER Relation: AUNT
1111 TESTADDRESS 7698 TESTADDRESS
GARLAND, TX xxxxx TROY, IN xxxxx
Phone: (NNN)NNN-NNnn Phone: nnn-NNNN
Work Phone: (NNN)NnN-NNNN Work Phone: (nnn)NNN-NNNN
Future Scheduled Appointments:
TESTCLINONE NOV 9,2013@08:00 TESTCVS 1ST FLOOR

GEN MED

NOV 16,2013@13:00

OPC

Enter RETURN to continue or '^' to exit:

Subj: DGPf MISSING PATIENT MESSAGE # [#106141] Page 3

Results:

DGPf MISSING PATIENT MESSAGE NOV 8,2013@08:00 PAGE 2
BY CLINIC
PATIENT PT ID EVENT D/T CLINIC STOP CODE

DIVISION: TROY1

TESTPATIENT,THREE 8199 NOV 8,2013@08:00 DERMATOLOGY 144

Home: (777)777-7777

Work: (666)666-6666

Provider: TESTPROVIDER,THREE

Future Scheduled Appointments:

DERMATOLOGY NOV 9,2013@08:00 2ND FLOOR, ROOM 233A

DERMATOLOGY NOV 18,2013@10:00 2ND FLOOR, ROOM 233A

Results:

Attachment A - Approval Signatures

This section is used to document the approval of the Software Description 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

REVIEW DATE: *<date>*

SCRIBE: *<name>*

(POC REDACTED).

(POC REDACTED)

(POC REDACTED)

(POC REDACTED)

(POC REDACTED)