RESOURCE AND PATIENT MANAGEMENT SYSTEM

Care Management Event Tracking

(BTPW)

Technical Manual

Version 1.0
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Office of Information Technology (OIT)
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Preface

The purpose of this manual is to provide technical information about the Care Management Event Tracking (BTPW) package. Currently the Care Management Event Tracking (CMET) interface is iCare. The CMET package is designed to enable clinical case managers and providers to track and notify patient on specific clinical care events delivered to patients.

Table of Contents

1.0 Introduction

The Care Management Event Tracking (CMET) software is a component of the Indian Health Service (IHS) Resource and Patient Management System (RPMS) that provides the ability to track specific cycles of events. Appropriate event tracking management improves the delivery of care, as well as the outcome. This manual provides IHS site managers with a technical description of the CMET (BTPW) routines, files, menus, cross references, globals, and other necessary information required to effectively manage the system.

All routines, files, options, and keys are namespaced starting with the letters BTPW. The file number range for this package is 90620–90629.99.

2.0 Orientation

The CMET package has no RPMS menu options for users. The only RPMS preparation specifically needed to run CMET is to install the Kernel Installation and Distribution System (KIDS) package. The current interface to CMET is iCare, so iCare must be installed in order for CMET to work appropriately. See the iCare Installation Guide for details on server and client installation and configuration.

Interaction between CMET and the RPMS system is accomplished entirely through the use of remote procedure calls (RPCs). All RPCs in this package begin with the namespace letters BTPW.

3.0 Implementation and Maintenance

The CMET package is designed to work with RPMS through a Windows Graphical User Interface (GUI) application, which is currently iCare.

3.1 General Information

The following table shows the prerequisite patch requirements.

Package and Version	Associated Patch Designation(s)	Brief Patch Description
iCARE Version 2.0	BQI*2.0*2	

3.2 System Requirements

Module	Minimum Version	Recommended Version
VA FileMan (DI)	v22.0 Patch 1002	
VA Kernel (XU)	v8.0 Patch 1015	
BMXNet (BMX)	v2.0	v4.0
IHS/VA Utilities (XB)	v3.0 through Patch 11	
Patient Information Management System (PIMS)	v5.3 through Patch 1009	v5.3 through Patch 1011
IHS Clinical Reporting (BGP)	V9.0 through Patch 1	v 10.0
PCC Data Entry (APCD)	v2.0 through Patch 10	
PCC Health Summary (APCH)	v2.0 through Patch 17	
Q-Man (AMQQ)	v2.0 through Patch 21	
Taxonomy (ATX)	v5.1 through Patch 10	
HIV Management System (BKM)	v2.0	
IHS Asthma Register (BAT)	v1.0	
IHS PCC Suite (BJPC)	v2.0 Patch 3	v2.0 Patch 4
Referred Care Info System (BMC)	v4.0 Patch 3	v4.0 Patch 5
Patient Registration (AG)	v7.1 through Patch 7	
Immunization (BI)	v 8.3	v 8.4
iCare (BQI)	v2.1	

3.3 Package-Wide Variables

There are no package-wide BTPW variables in RPMS.

3.4 Security Keys

This is a mandatory step.

Key Name	Description
BTPWZCMGR	This security key should only be assigned to those persons who will manage the CMET system. It *should not* be given to the general RPMS user population.

4.0 Menu Diagram

There are no RPMS menus in the CMET system. The interface to CMET is currently iCare and all CMET Client menus are discussed in detail in the iCare Version 2.1 User Manual.

5.0 Routines

5.1 Routines with Description

Routine	Description
BTPW1PRE	Pre-installation program
BTPW1PST	Post-installation program to set up CMET
BTPWBTAD	Update Batch Processing
BTPWBTTR	Batch Event Trigger
BTPWETRG	Event Triggers
BTPWEVNT	Get Event Data for Worksheet
BTPWGLSY	CMET Glossary
BTPWHIST	CMET History
BTPWLOCK	Locking Routine for CMET
BTPWLTMP	TIU Templates for CMET Letters
BTPWPBTH	Batch Process TIU Letters
BTPWPCHT	Chart Review Creation
BTPWPCLO	Close Event
BTPWPDSP	Display CMET Event Records
BTPWPEVC	Get the tracked events - Continued
BTPWPEVO	CMET Event Utilities
BTPWPEVT	Get the tracked events
BTPWPFND	Find Events for Tracking
BTPWPHIS	CMET Event History
BTPWPLND	GET PLANNED EVENTS
BTPWPLVW	Panel View for CMET items
BTPWPNLV	CMET Panel
BTPWPPAT	Get list of procedures by patient
BTPWPQVW	CMET Event User View
BTPWPSNP	Get the Patient CMET Snapshot Events
BTPWPTBL	CMET Event Table
BTPWPTMP	Handle CMET Temporary File
BTPWPTRG	Event Worksheet Trigger
BTPWPUTL	Event Utility Program
BTPWPWRK	CMET Worksheet Update
BTPWPWRS	Update subdefinitions for Worksheet
BTPWRLAB	Lab Result Report
BTPWRMDR	CMET Reminders
BTPWRRAD	Print Radiology Report

Routine	Description
BTPWRVFL	Vfile Record Display
BTPWRWHP	Women's Health Procedure Display
BTPWSCHD	CMET Scheduler
BTPWTAB	Table Utility
BTPWTAX	CMET Taxonomy List
BTPWTIAD	Create an Addendum to a Note
BTPWTINT	TIU Note Text
BTPWTIUN	Create TIU Note for CMET
BTPWTIUP	Print APIs
BTPWTIUS	Check for Electronic Signature
BTPWTIUT	TIU Utilities
BTPWTIUU	CMET TIU UTILITIES
BTPWVTRG	CMET Triggers
BTPWVVAL	CMET VDEF Validation Program
BTPWUX	Taxonomy program created by ^ATXSTX.
BTPWUXA	Taxonomy program created by ^ATXSTX.
BTPWUXB	Taxonomy program created by ^ATXSTX.
BTPWUXC	Taxonomy program created by ^ATXSTX.
BTPWUXCB	Taxonomy program created by ^ATXSTX.
BTPWUXD	Taxonomy program created by ^ATXSTX.
BTPWUXE	Taxonomy program created by ^ATXSTX.
BTPWUXF	Taxonomy program created by ^ATXSTX.
BTPWUXG	Taxonomy program created by ^ATXSTX.
BTPWUXH	Taxonomy program created by ^ATXSTX.
BTPWUXI	Taxonomy program created by ^ATXSTX.
BTPWUXJ	Taxonomy program created by ^ATXSTX.
BTPWUXK	Taxonomy program created by ^ATXSTX.
BTPWUXL	Taxonomy program created by ^ATXSTX.
BTPWUXM	Taxonomy program created by ^ATXSTX.
BTPWUXN	Taxonomy program created by ^ATXSTX.
BTPWUXO	Taxonomy program created by ^ATXSTX.
BTPWUXP	Taxonomy program created by ^ATXSTX.
BTPWUXQ	Taxonomy program created by ^ATXSTX.
BTPWUXR	Taxonomy program created by ^ATXSTX.
BTPWUXS	Taxonomy program created by ^ATXSTX.
BTPWUXT	Taxonomy program created by ^ATXSTX.
BTPWUXU	Taxonomy program created by ^ATXSTX.
BTPWUXV	Taxonomy program created by ^ATXSTX.
BTPWUXW	Taxonomy program created by ^ATXSTX.
BTPWVX	Taxonomy program created by ^ATXSTX.

Routine	Description
BTPWVXA	Taxonomy program created by ^ATXSTX.
BTPWVXB	Taxonomy program created by ^ATXSTX.
BTPWVXC	Taxonomy program created by ^ATXSTX.
BTPWVXD	Taxonomy program created by ^ATXSTX.
BTPWVXE	Taxonomy program created by ^ATXSTX.
BTPWVXF	Taxonomy program created by ^ATXSTX.
BTPWVXG	Taxonomy program created by ^ATXSTX.
BTPWVXH	Taxonomy program created by ^ATXSTX.
BTPWVXI	Taxonomy program created by ^ATXSTX.
BTPWVXJ	Taxonomy program created by ^ATXSTX.
BTPWVXK	Taxonomy program created by ^ATXSTX.
BTPWVXL	Taxonomy program created by ^ATXSTX.
BTPWVXM	Taxonomy program created by ^ATXSTX.
BTPWVXN	Taxonomy program created by ^ATXSTX.
BTPWVXO	Taxonomy program created by ^ATXSTX.
BTPWVXP	Taxonomy program created by ^ATXSTX.
BTPWVXQ	Taxonomy program created by ^ATXSTX.
BTPWVXR	Taxonomy program created by ^ATXSTX.
BTPWVXS	Taxonomy program created by ^ATXSTX.
BTPWVXT	Taxonomy program created by ^ATXSTX.
BTPWVXU	Taxonomy program created by ^ATXSTX.
BTPWVXV	Taxonomy program created by ^ATXSTX.
BTPWVXW	Taxonomy program created by ^ATXSTX.
BTPWVXX	Taxonomy program created by ^ATXSTX.
BTPWVXY	Taxonomy program created by ^ATXSTX.
BTPWVXZ	Taxonomy program created by ^ATXSTX
BTPWWX	Taxonomy program created by ^ATXSTX.
BTPWWXA	Taxonomy program created by ^ATXSTX.
BTPWWXB	Taxonomy program created by ^ATXSTX.
BTPWWXC	Taxonomy program created by ^ATXSTX.
BTPWWXD	Taxonomy program created by ^ATXSTX.
BTPWWXE	Taxonomy program created by ^ATXSTX.
BTPWWXF	Taxonomy program created by ^ATXSTX.
BTPWWXG	Taxonomy program created by ^ATXSTX.
BTPWWXH	Taxonomy program created by ^ATXSTX.
BTPWWXI	Taxonomy program created by ^ATXSTX.
BTPWWXJ	Taxonomy program created by ^ATXSTX.
BTPWWXK	Taxonomy program created by ^ATXSTX.
BTPWWXL	Taxonomy program created by ^ATXSTX.
BTPWWXM	Taxonomy program created by ^ATXSTX.

Routine	Description
BTPWWXN	Taxonomy program created by ^ATXSTX.
BTPWWXO	Taxonomy program created by ^ATXSTX.
BTPWWXP	Taxonomy program created by ^ATXSTX.
BTPWWXQ	Taxonomy program created by ^ATXSTX.
BTPWWXR	Taxonomy program created by ^ATXSTX.
BTPWWXS	Taxonomy program created by ^ATXSTX.
BTPWWXT	Taxonomy program created by ^ATXSTX.
BTPWWXU	Taxonomy program created by ^ATXSTX.
BTPWWXV	Taxonomy program created by ^ATXSTX.
BTPWWXW	Taxonomy program created by ^ATXSTX.
BTPWWXX	Taxonomy program created by ^ATXSTX.
BTPWWXY	Taxonomy program created by ^ATXSTX.
BTPWWXZ	Taxonomy program created by ^ATXSTX.
BTPWXX	Taxonomy program created by ^ATXSTX.
BTPWXXA	Taxonomy program created by ^ATXSTX.
BTPWXXB	Taxonomy program created by ^ATXSTX.
BTPWXXC	Taxonomy program created by ^ATXSTX.
BTPWXXD	Taxonomy program created by ^ATXSTX.
BTPWXXE	Taxonomy program created by ^ATXSTX.
BTPWXXF	Taxonomy program created by ^ATXSTX.
BTPWXXG	Taxonomy program created by ^ATXSTX.
BTPWXXH	Taxonomy program created by ^ATXSTX.
BTPWXXI	Taxonomy program created by ^ATXSTX.
BTPWXXJ	Taxonomy program created by ^ATXSTX.
BTPWXXK	Taxonomy program created by ^ATXSTX.
BTPWXXL	Taxonomy program created by ^ATXSTX.
BTPWXXM	Taxonomy program created by ^ATXSTX.
BTPWXXN	Taxonomy program created by ^ATXSTX.
BTPWXXO	Taxonomy program created by ^ATXSTX.
BTPWXXP	Taxonomy program created by ^ATXSTX.
BTPWXXQ	Taxonomy program created by ^ATXSTX.
BTPWXXR	Taxonomy program created by ^ATXSTX.
BTPWXXS	Taxonomy program created by ^ATXSTX.
BTPWXXT	Taxonomy program created by ^ATXSTX.
BTPWXXU	Taxonomy program created by ^ATXSTX.
BTPWXXV	Taxonomy program created by ^ATXSTX.
BTPWXXW	Taxonomy program created by ^ATXSTX.
BTPWXXX	Taxonomy program created by ^ATXSTX.
BTPWXXY	Taxonomy program created by ^ATXSTX.
BTPWXXZ	Taxonomy program created by ^ATXSTX.

Routine	Description
BTPWYX	Taxonomy program created by ^ATXSTX.
BTPWYXA	Taxonomy program created by ^ATXSTX.
BTPWYXB	Taxonomy program created by ^ATXSTX.
BTPWYXC	Taxonomy program created by ^ATXSTX.
BTPWYXD	Taxonomy program created by ^ATXSTX.
BTPWYXE	Taxonomy program created by ^ATXSTX.
BTPWYXF	Taxonomy program created by ^ATXSTX.
BTPWYXG	Taxonomy program created by ^ATXSTX.

5.2 Function List

5.2.1 $$FUT^BTPWBTAD

This function creates future follow-up record.

- Input Parameter Description:
  - BTPWPFOL: Event type that is the follow-up event.
  - BTPWPFLD: Follow-up due by date
- Output Description:
  - Returns the future event IEN.

5.2.2 $$ADD^BTPWPCHT

This function calls the standard PCC V file creation API, APCDALVR

- Input Parameter Description:
  - APCDPAT: Patient IEN
  - APCDVSIT: Visit IEN
  - APCDALVR: Array of variables need to create the V file entry
- Output Description:
  - Returns a result value, -1 is a failure to create the V file record, 1 is success

5.2.3 $$EN^BTPWPCHT

This function creates a chart review visit during the notification phase of the CMET Worksheet.

- Input Parameter Description:

  - NOT: Notification type
  - DFN: Patient IEN
  - MORE: Flag to auto-create a new visit instead of searching to append to a visit
- Output Description:
  - Returns the chart review visit IEN

5.2.4 $$FND^BTPWPCLO

This function determines if the Findings portion of a CMET Worksheet is complete.

- Input Parameter Description:
  - CMIEN: CMET Tracked Event IEN
- Output Description:
  - Returns a '1' if the event has a completed finding, -1 if it does not

5.2.5 $$FOL^BTPWPCLO

This function determines if the Follow-up portion of a CMET Worksheet is complete.

- Input Parameter Description:
  - CMIEN: CMET Tracked Event IEN
- Output Description:
  - Returns a '1' if the event has a completed follow-up, -1 if it does not

5.2.6 $$NOT^BTPWPCLO

This function determines if the Notification portion of a CMET Worksheet is complete.

- Input Parameter Description:
  - CMIEN: CMET Tracked Event IEN
- Output Description:
  - Returns a '1' if the event has a completed notification, -1 if it does not

5.2.7 $$CAT^BTPWPDSP

This function returns the event type category.

- Input Parameter Description:
  - PIEN: Event type IEN
  - TYP: Value of category to be returned; external or internal
- Output Description:
  - Returns the value of the category for the event in either internal or external format.

5.2.8 $$EVTCOM^BTPWPDSP

This function returns the Event Comment from the tracked event.

- Input Parameter Description:
  - TIEN: Tracked Event IEN
- Output Description:
  - Returns the comment text.

5.2.9 $$FLG^BTPWPDSP

This function determines if the Panel View Flag Indicator should be set.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Returns the flag indication of “C” (completed) or “T” (a feather tickler is needed)

5.2.10 $$FNDCOM^BTPWPDSP

This function returns all of the Finding Comments for a particular tracked event.

- Input Parameter Description:
  - TIEN: Tracked Event IEN
- Output Description:
  - Returns the comment text.

5.2.11 $$FUPCOM^BTPWPDSP

This function returns all of the Follow-up Comments for a particular tracked event.

- Input Parameter Description:
  - TIEN: Tracked Event IEN
- Output Description:
  - Returns the comment text.

5.2.12 $$NOTCOM^BTPWPDSP

This function returns all of the Patient Notification Comments for a particular tracked event.

- Input Parameter Description:
  - TIEN: Tracked Event IEN
- Output Description:

  Returns the comment text.

5.2.13 $$SCOMM^BTPWPDSP

This function returns the Status Comment from the event.

  - QIEN: Event IEN
- Output Description:
  - Returns the comment text.

5.2.14 $$FND^BTPWPEVT

This function returns finding information for a particular tracked event. It is called by the "2 – Finding(s)" (BTPWTFND) field in panel view. It is also utilized in determining the finding information in CMET–Main–Tracked Events.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Piece 1 ($c(28) delimiter) contains "CHECK," "TICKLER," or is blank
  - Piece 2 contains the finding information to be displayed for the field hover

5.2.15 $$FUP^BTPWPEVT

This function returns follow-up information for a particular tracked event. It is called by the "3 – Follow-up(s)" (BTPWTFUP) field in panel view. It is also utilized in determining the follow-up information in CMET–Main–Tracked Events.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Piece 1 ($c(28) delimiter) contains "CHECK," "TICKLER," "N/A" or blank
  - Piece 2 contains the follow-up information to be displayed for the field hover

5.2.16 $$INTER^BTPWPEVT

This function returns the interpretation value for the event. Note that since there are multiple findings possible, an abnormal result in any finding will result in ABNORMAL being returned.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Piece 1 ($c(26) delimiter) contains "Normal," "Abnormal," "N/A" or blank
  - Piece 2 contains the source for the interpretation–"CMET" or "WH RECORD"

5.2.17 $$NOT^BTPWPEVT

This function returns patient notification information for a particular tracked event. It is called by the "4 – Patient Notification(s)" (BTPWTNOT) field in panel view. It is also utilized in determining the patient notification information in CMET–Main–Tracked Events.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Piece 1 ($c(28) delimiter) contains "CHECK," "TICKLER," or blank
  - Piece 2 contains the patient notification information to be displayed for the field hover

5.2.18 $$STACOM^BTPWPEVT

This function returns all of the State Comment for a particular tracked event.

- Input Parameter Description:
  - TIEN: Tracked Event IEN
- Output Description:
  - Returns the comment text.

5.2.19 $$EVTS^BTPWPLND

This function returns event summary information for a particular tracked event. It is called by the "Event Summary" (BTPWTEVS) field in panel view.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Returns formatted string containing the **Event Name**, **Event Date**, **Event Comments**, and **Event Tracked By** and **Date** fields.

5.2.20 $$FNDS^BTPWPLND

This function returns findings summary information for a particular tracked event. It is called by the "Findings Summary" (BTPWTFDA) field in panel view.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Returns formatted string containing the **Finding(s)**, **Interpretation**, **Finding date(s)**, **Findings Comments**, and **Findings Last Modified By** and **Date** fields.

5.2.21 $$FUPS^BTPWPLND

This function returns follow-up summary information for a particular tracked event. It is called by the "Follow-up Summary" (BTPWTFUA) field in panel view.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:

- Returns formatted string containing the **Follow-up(s)**, **Follow-up Due Date(s)**, **Follow-up Comment(s)**, and **Follow-up Last Modified By** and **Date** fields.

5.2.22 $$NOTS^BTPWPLND

This function returns patient notification summary information for a particular tracked event. It is called by the "Patient Notification Summary" (BTPWTNOA) field in panel view.

- Input Parameter Description:
  - TIEN: Tracked event IEN
- Output Description:
  - Returns formatted string containing the **Patient Notification(s)**, **Notification Date(s)**, **Notification Comments**, and **Notification Last Modified By** and **Date** fields.

5.2.23 $$REC^BTPWPTMP

This function creates a stub tracked event record.

- Input Parameter Description:
  - PRCN: Event Type IEN
- Output Description:
  - Returns the tracked event IEN.

5.2.24 $$LNK^BTPWPTRG

This function returns the links for a tracked event

- Input Parameter Description:
  - TRIEN: Tracked event IEN
  - FLD: the field for the record file type
- Output Description:
  - Returns the link value in the format Event Date and Record Type

5.2.25 $$QLNK^BTPWPTRG

This function returns the links for an event

- Input Parameter Description:
  - QRIEN: Event IEN
  - FLD: the field for the record file type
- Output Description:
  - Returns the link value in the format Event Date and Record Type

5.2.26 $$FLDUE^BTPWPUTL

This function determines the follow-up due by date.

- Input Parameter Description:
  - EVNT: Event type IEN
  - FNDT: Findings Date
  - TRIEN: Tracked IEN
  - TMFRAME: Timeframe
- Output Description:
  - Date that the follow-up event is due by.

6.0 Files and Tables

6.1 File List

File #	Filename	Description
90620	CM EVENT TRACKING	The file contains the event records that are being tracked.
90620.9	CM EVENT RESULT TYPE	This file contains a list of all possible findings for all events and their interpretation.
90621	CM EVENT	The types of events that can be tracked in the CMET module.
90621.1	CM EVENT FILE TYPE	This file contains a list of all the V file types that CMET looks at.
90621.2	CM EVENT CATEGORY	Contains a list of categories that an event in the Event Tracking module can be identified by.
90622	CM EVENT NOTIFICATION TYPE	This file contains a list of notification types.
90628	CM EVENT TRACKING SITE PARAMETERS	This file contains information for the site.
90629	CM EVENT QUEUE	The file contains the event records that are data mined and ready to be selected for tracking.

6.2 File Access

File #	Filename	Global	RD	WR	LYG	DD	DEL
90620	CM EVENT TRACKING	^BTPWP(	@	@	@	@	@
90620.9	CM EVENT RESULT TYPE	^BTPW(90620.9,	@	@	@	@	@
90621	CM EVENT	^BTPW(90621,	@	@	@	@	@
90621.1	CM EVENT FILE TYPE	^BTPW(90621.1,	@	@	@	@	@
90621.2	CM EVENT CATEGORY	^BTPW(90621.2,	@	@	@	@	@
90622	CM EVENT NOTIFICATION TYPE	^BTPW(90622,	@	@	@	@	@
90628	CM EVENT TRACKING SITE PARAMETERS	^BTPW(90628,	@	@	@	@	@
90629	CM EVENT QUEUE	^BTPWQ(	@	@	@	@	@

6.3 Cross References

```
90620 (CM Event Tracking)
  .01 Event Name
      B Regular type cross reference
      C New style type cross reference
      AG New style type cross reference
      AB New style type cross reference
  .02 Patient
      AD Regular type cross reference
      AE New style type cross reference
      C New style type cross reference
      AG New style type cross reference
      AJ New style type cross reference
      AB New style type cross reference
  .03 Event Date
      AH Regular type cross reference
      AI New style type cross reference
      AJ New style type cross reference
      AK New style type cross reference
      AL New style type cross reference
      AM New style type cross reference
  .04 Visit
      C New style type cross reference
  .05 V file record
      C New style type cross reference
  .06 V file record type
      C New style type cross reference
  .12 Category
      AF New style type cross reference
      AI New style type cross reference
      AK New style type cross reference
      AN New style type cross reference
  .13 Due By Date
      AQ Regular type cross reference
      AG New style type cross reference
      AN New style type cross reference
      AO New style type cross reference
      AP New style type cross reference
  .16 Community
      AM New style type cross reference
      AP New style type cross reference
  1.01 State
      AC Regular type cross reference
      AF New style type cross reference
      AE New style type cross reference
      AI New style type cross reference
      AJ New style type cross reference
      AL New style type cross reference
      AM New style type cross reference
      AN New style type cross reference
      AO New style type cross reference
      AP New style type cross reference
  1.05 Finding Due By Date
      AR Regular type cross reference
  1.06 Follow-up Decision Due By Date
      AS Regular type cross reference
  1.07 Patient Notification Due By Date
      AT Regular type cross reference

2 State History
  .01 History Date/Time
      B Regular type cross reference

  5 Event History
  .01 Date/Time Modified
```

```
      B Regular type cross reference

10 Finding
  .01 Finding Date/Time
      B Regular type cross reference

11 Patient Notification
  .01 Patient Notification Date
      B Regular type cross reference

12 Follow-up
  .01 Follow-up Date/Time
      B Regular type cross reference
  .03 Date Follow-up Entered
      AU Regular cross reference by entire file

90620.9 (CM Event Result Type)
  .01 Name
      B Regular type cross reference

90621 (CM Event)
  .01 Name
      B Regular type cross reference
  .05 Mapped To
      AP Regular type cross reference
  .1 Category
      AD Regular type cross reference

  1 Taxonomy
  .01 Taxonomy
      B Regular type cross reference
      AB Regular cross reference by entire file
  .03 File Type
      AC Regular cross reference by entire file

  3 Followup
.01 Finding Interpretation
    B Regular type cross reference

  6 Findings
  .01 Results
      B Regular type cross reference

  7 Findings Category
  .01 Findings Category
      B Regular type cross reference

90621.1 (CM Event File Type)
  .01 Name
      B Regular type cross reference
  .02 File
      C Regular type cross reference

90621.2 (CM Event Category)
  .01 Name
      B Regular type cross reference

90622 (CM Event Notification Type)
  .01 Name
      B Regular type cross reference

90628 (CM Event Tracking Site Parameters)
  .01 Home Site
      B Regular type cross reference
```

```
  2 Event Frequency
  .01 Event
      B Regular type cross reference

90629 (CM Event Queue)
  .01 Event Type
      B Regular type cross reference
      AJ New style type cross reference
      C New style type cross reference
  .02 Patient
      AD Regular type cross reference
      AE New style type cross reference
      AJ New style type cross reference
      C New style type cross reference
  .03 Visit Date
      AH Regular type cross reference
      AF New style type cross reference
      AG New style type cross reference
  .04 Visit
      C New style type cross reference
  .05 Record IEN
      C New style type cross reference
  .06 Record File Type
      C New style type cross reference
  .08 Status
      AC Regular type cross reference
      AE New style type cross reference
      AF New style type cross reference
      AG New style type cross reference
      AJ New style type cross reference
  .13 Event Category
      AG New style type cross reference
  .14 Tracked Event
      AT Regular type cross reference

2 Status History
  .01 Category Code
      B Regular type cross reference
```

Figure 6-1: Cross References

6.4 Table File

6.4.1 90620 CM EVENT TRACKING

Global: ^BTPWP(

Field #	Field Name	Subscript	Piece	Type
.01	EVENT NAME	D0,0	1	P
.02	PATIENT	"	2	P
.03	EVENT DATE	"	3	D
.04	VISIT	"	4	P
.05	RECORD IEN	"	5	F

Field #	Field Name	Subscript	Piece	Type
.06	RECORD FILE TYPE	"	6	P
.07	DATE/TIME IDENTIFIED	"	7	D
.08	STATUS	"	8	S
.09	WH RECORD IEN	“	9	F
.1	RADIOLOGY CASE #	"	10	F
.11	PREVIOUS PROCEDURE	"	11	P
.12	CATEGORY	"	12	P
.13	DUE BY DATE	"	13	D
.14	QUEUED EVENT	"	14	P
.15	LAB ACCN #	"	15	F
.16	COMMUNITY	"	16	P
1.01	STATE	D0,1	1	S
1.02	EVENT TRACKED DATE/TIME	"	2	D
1.03	EVENT TRACKED BY	"	3	P
1.04	CLOSE REASON	“	4	S
1.05	FINDING DUE BY DATE	"	5	D
1.06	FOLLOW-UP DECISION DUE BY DATE	"	6	D
1.07	PATIENT NOTIFICATION DUE BY DT	"	7	D
1.08	OTHER CLOSE REASON	"	8	F
1.09	LAST MODIFIED DATE/TIME	"	9	D
1.1	LAST MODIFIED BY	"	10	P
1.11	FOLLOWUP NEEDED?	"	11	S
1.12	FOLLOWUP REMINDER DUE BY	"	12	D
2	STATE HISTORY (90620.02)	D0,2,D1,0		
.01	HISTORY DATE/TIME	“	1	D
.02	PREVIOUS STATE	“	2	S
.03	PREVIOUS WHO	“	3	P
.04	PREVIOUS DATE/TIME	“	4	D
.05	PREVIOUS CLOSE REASON	“	5	S
1	PREVIOUS STATE COMMENT (90620.21)	D0,2,D1,1,D2,0		
.01	PREVIOUS STATE COMMENT	“	1	W
3	STATE CHANGE COMMENT (90620.03)	D0,3,D1,0		
.01	STATE CHANGE COMMENT		1	W
4	EVENT COMMENTS (90620.04)	D0,4,D1,0		
.01	EVENT COMMENTS	“	1	W
5	EVENT HISTORY (90620.05)	D0,5,D1,0		

Field #	Field Name	Subscript	Piece	Type
.01	DATE/TIME MODIFIED	“	1	D
.02	MODIFIED BY	“	2	P
.03	FILE:FIELD:IENS	“	3	F
.04	FIELD TYPE	“	4	S
.05	DESCRIPTION	“	5	F
3	ORIGINAL VALUE - WP (90620.53)	D0,5,D1,3,0		
.01	ORIGINAL VALUE – WP	“	1	W
4	NEW VALUE - WP (90620.54)	D0,5,D1,4,0		
.01	NEW VALUE – WP	“	1	W
101	ORIGINAL VALUE – REGULAR	D0,5,D1,1	1	F
102	NEW VALUE – REGULAR	“	2	F
10	FINDING (90620.01)	D0,10,D1,0	10	
.01	FINDING DATE	“	1	D
.02	FINDING	“	2	P
.03	FINDING INTERPRETATION	“	3	S
.04	FINDING ENTERED DATE/TIME	“	4	D
.05	FINDING ENTERED BY	“	5	P
.06	FOLLOWUP NEEDED?	“	6	S
.07	FOLLOWUP EVENT	“	7	P
.08	ENTERED IN ERROR	“	8	S
1	FINDING COMMENTS (90620.11)	D0,10,D1,1,0		
.01	FINDING COMMENTS	“	1	W
11	PATIENT NOTIFICATION (90620.011)	D0,11,D1,0		
.01	PATIENT NOTIFICATION DATE	“	1	D
.02	PATIENT NOTIFICATION (P90622')	“	2	P
.03	PATIENT NOTIFICATION ENTRY DT	“	3	D
.04	PATIENT NOTIFICATION ENTRY BY	“	4	P
.05	DOCUMENT	“	5	P
.06	TIU DOCUMENT	“	6	P
.07	TIU TEMPLATE	“	7	P
.08	ELECTRONIC SIGNATURE	“	8	F
.09	ENTERED IN ERROR	“	9	S
.1	ADDENDUM	“	10	P
.11	CHART REVIEW	“	11	P

Field #	Field Name	Subscript	Piece	Type
1	PATIENT NOTIFICATION COMMENT (90620.111)	D0,11,D1,1,0		
.01	PATIENT NOTIFICATION COMMENT	“	1	W
12	FOLLOW-UP (90620.012)	D0,12,D1,0	12	
.01	FOLLOWUP DATE/TIME	“	1	D
.02	FOLLOW-UP	“	2	P
.03	DATE FOLLOW-UP ENTERED	“	3	D
.04	FOLLOW-UP ENTERED BY	“	4	P
.05	FOLLOW-UP DUE DATE	“	5	D
.06	NEXT FOLLOWUP	“	6	P
.07	ENTERED IN ERROR	“	7	S
1	FOLLOW-UP COMMENT (90620.121)	D0,12,D1,1,0		
.01	FOLLOW-UP COMMENT	“	1	W

6.4.2 90620.9 CM EVENT RESULT TYPE

Global: ^BTPW(90620.9,

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	INTERPRETATION	“	2	S
.03	INACTIVE DATE	“	3	D

6.4.3 90621 CM EVENT

Global: ^BTPW(90621,

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	MNEMONIC	“	2	F
.03	INACTIVATION DATE	“	3	D
.04	INACTIVATION REASON	“	4	S
.05	MAPPED TO	“	5	P
.06	AUTOCLOSE	“	6	S
.07	NO RESULT TRIGGER	“	7	F

Field #	Field Name	Subscript	Piece	Type
.08	NO FOLLOWUP TRIGGER	“	8	F
.09	NO NOTIFICATION TRIGGER	“	9	F
.1	CATEGORY	“	10	P
1	TAXONOMY (90621.01)	D0,1,D2,0		
.01	TAXONOMY	“	1	F
.02	TAX POINTER	“	2	V
.03	FILE TYPE	“	3	P
.04	SITE SPECIFIED	“	4	S
1	CPT MODIFIER (90621.11)	D0,1,D2,1,D3,0		
.01	CPT MODIFIER	“	1	F
.02	ACTION	“	2	S
3	FOLLOWUP (90621.03)	D0,3,D2,0		
.01	FINDING INTERPRETATION	“	1	S
.02	FREQUENCY	“	2	F
.03	WHO LAST MODIFIED	“	3	P
.04	WHEN LAST MODIFIED	“	4	D
4	SEARCH LOGIC	D0,4	4	K
5.01	GENDER SPECIFIC	D0,5	1	S
5.02	AGE LOWER CRITERIA	“	2	F
5.03	AGE HIGHER CRITERIA	“	3	F
5.04	TIMEFRAME LIMIT	“	4	F
6	FINDINGS (90621.06)	D0,6,D2,0		
.01	RESULTS	“	1	F
.02	INTERPRETATION	“	2	S

Field #	Field Name	Subscript	Piece	Type
7	FINDINGS CATEGORY (90621.07)	D0,7,D2,0		
.01	FINDINGS CATEGORY	"	1	S
.02	DEFAULT TIU TEMPLATE	"	2	P

6.4.4 90621.1 CM EVENT FILE TYPE

Global: ^BTPW(90621.1,

Field #	Field Name	Subscript	Piece	Type
01	NAME	D0,0	1	F
.02	FILE	"	2	P
.03	DATA FIELD	"	3	F
.04	XREF	"	F	F
.05	ORDER PREFERENCE	"	5	N
.06	TAXONOMY ID	"	6	S
.07	CATEGORY	"	7	S

6.4.5 90621.2 CM EVENT CATEGORY

Global: ^BTPW(90621.2,

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	ABBREVIATION	"	2	F
.03	INACTIVE	"	3	S

6.4.6 90622 CM EVENT NOTIFICATION TYPE

Global: ^BTPW(90622,

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	INACTIVE DATE	"	2	D
.03	CLASS	"	3	S
.04	CHART REVIEW CLINIC	"	4	F

6.4.7 90628 CM EVENT TRACKING SITE PARAMETERS

Global: ^BTPW(90628,

Field #	Field Name	Subscript	Piece	Type
.01	HOME SITE	D0,0	1	P
.02	AUTOCLOSE	“	2	S
.03	QUEUE JOB	“	3	S
.04	QUEUE JOB FREQUENCY	“	4	F
.05	QUEUE JOB START TIME	“	5	F
.06	DATE/TIME QUEUE JOB STARTED	“	6	D
.07	DATE/TIME QUEUE JOB STOPPED	“	7	D
.08	QUEUE JOB STATUS	“	8	S
.09	WHO LAST EDITED QUEUE JOB	“	9	P
.1	DATE/TIME QUEUE JOB LAST EDIT	“	10	D
1.01	FINDINGS FREQUENCY	D0,1	1	F
1.02	FOLLOWUP FREQUENCY	“	2	F
1.03	NOTIFICATION FREQUENCY	“	3	F
1.04	DATE/TIME FINDINGS LAST EDITED	“	4	D
1.05	FINDINGS LAST EDITED BY	“	5	P
1.06	DATE/TIME FOLLOWUP LAST EDITED	“	6	D
1.07	FOLLOWUP LAST EDITED BY	“	7	P
1.08	DATE/TIME NOTIF LAST EDITED	“	8	D
1.09	NOTIFICATION LAST EDITED BY	“	9	P
2	EVENT FREQUENCY (90628.02)	D0,2,D1,0	2	
.01	EVENT	“	1	P
.02	FREQUENCY	“	2	F
.03	WHO LAST EDITED	“	3	P
.04	WHEN LAST EDITED	“	4	D
.05	DEFAULT NOTIFICATION	“	5	P
1.01	DEFAULT BATCH FINDING	D0,2,D1,1	1	P
3	CR EXECUTABLE	D0,3	3	K

6.4.8 90629 CM EVENT QUEUE

Global: ^BTPWQ(

Field #	Field Name	Subscript	Piece	Type
.01	EVENT TYPE	D0,0	1	P
.02	PATIENT	"	2	P
.03	VISIT DATE	"	3	D
.04	VISIT	"	4	P
.05	RECORD IEN	"	5	F
.06	RECORD FILE TYPE	"	6	P
.07	DATE/TIME IDENTIFIED	"	7	D
.08	STATUS	"	8	S
.09	WH RECORD IEN	"	9	F
.1	RADIOLOGY CASE #	"	10	F
.11	DATE/TIME STATUS LAST MODIFIED	"	11	D
.12	WHO MODIFIED STATUS	"	12	F
.13	EVENT CATEGORY	"	13	P
.14	TRACKED EVENT	"	14	P
.15	LAB ACCN #	"	15	F
.16	COMMUNITY	"	16	P
1.01	POSSIBLE MATCH	D0,1	1	P
2	STATUS HISTORY	D0,2,D1,0		
.01	HISTORY DATE/TIME	"	1	D
.02	PREVIOUS STATUS	"	2	S
.03	PREVIOUS WHO	"	3	F
.04	PREVIOUS DATE/TIME	"	4	D
1	PREVIOUS STATUS COMMENT (90629.21)	D0,2,D1,1,0		
.01	PREVIOUS STATUS COMMENT	"	1	W
3	STATUS COMMENT (90629.03)	D0,3,D1,0	3	
.01	STATUS COMMENT	"	1	W

6.5 Callable Routines

The following table lists the remote procedures used by iCare and the associated tag and routine called by the remote procedure. These tags and routines are considered callable entry points, but are only available through the GUI interface.

Name	Tag	Routine
BTPW BATCH EVENT INITIAL	INIT	BTPWBTTR
BTPW BATCH NOTES	EN	BTPWPBTH
BTPW CHART REVIEW TRIGGER	TRIG	BTPWPCHT
BTPW CHECK FOR ESIG	SIG	BTPWTIUS
BTPW CLOSE EVENT	CLOSE	BTPWPEVO
BTPW CREATE CHART REVIEW	RPC	BTPWPCHT
BTPW DELETE CHART REVIEW	DEL	BTPWPCHT
BTPW DELETE TIU DOCUMENT	DEL	BTPWTIUT
BTPW EVENT AUDIT HISTORY	AUD	BTPWHIST
BTPW EVENT ENT IN ERROR	EIE	BTPWPEVO
BTPW EVENT FIND FOL TRIG	FNFL	BTPWETRG
BTPW EVENT FIND TRIG	FIN	BTPWETRG
BTPW EVENT FOL TRIGGER	FOL	BTPWETRG
BTPW EVENT NOT TRIGGER	NOT	BTPWETRG
BTPW EVENT WORKSHEET INITIAL	INIT	BTPWPTRG
BTPW FIND EVENT TRIG	FND	BTPWETRG
BTPW FOL EVENT TRIG	INFOL	BTPWETRG
BTPW GET CMET BY PATIENT	RET	BTPWPPAT
BTPW GET CMET GLOSSARY	GLS	BTPWGLSY
BTPW GET CMET PREFS	RET	BTPWPQVW
BTPW GET CMET PROCEDURES	LST	BTPWPTBL
BTPW GET CMET TAXONOMY LIST	LST	BTPWTAX
BTPW GET CMET VIEW	RET	BTPWPLVW
BTPW GET EVENT	GET	BTPWEVNT
BTPW GET EVENT DUE PARAMS	EDUE	BTPWSCHD
BTPW GET EVENT HISTORY	EN	BTPWPHIS
BTPW GET EVENTS BY PANEL	EN	BTPWPNLV
BTPW GET FINDINGS	FND	BTPWEVNT
BTPW GET FINDINGS DUE BY	GET	BTPWPUTL
BTPW GET FOLLOWUP PARAMETERS	FOL	BTPWSCHD
BTPW GET FOLLOWUPS	FOL	BTPWEVNT
BTPW GET NORMAL FINDINGS	NORM	BTPWSCHD
BTPW GET NOTE	PTXT	BTPWTIUN

Name	Tag	Routine
BTPW GET NOTE TEXT	TXT	BTPWTINT
BTPW GET NOTIFICATIONS	NOT	BTPWEVNT
BTPW GET PATIENT EVENT HISTORY	EHIS	BTPWPFND
BTPW GET PATIENT SNAPSHOT	GET	BTPWPSNP
BTPW GET PLANNED EVENTS	GET	BTPWPLND
BTPW GET QUEUED EVENTS	RET	BTPWPDSP
BTPW GET REMOTE DEVICES	REM	BTPWTIUP
BTPW GET SITE PARAMETERS	GET	BTPWSCHD
BTPW GET TABLE	TAB	BTPWTAB
BTPW GET TIU LIST	EN	BTPWLTMP
BTPW GET TIU OBJECT DEF	OBJ	BTPWTIUT
BTPW GET TIU TEMP CHILD	CHLD	BTPWLTMP
BTPW GET TIU TEMP TOP	TOP	BTPWLTMP
BTPW GET TIU TEMPL BOILER	BL	BTPWTIUT
BTPW GET TIU TEMPL ITEMS	IT	BTPWTIUT
BTPW GET TIU TITLES	TITLE	BTPWTIUU
BTPW GET TRACKED EVENTS	GET	BTPWPEVT
BTPW LAB RESULT DISPLAY	EN	BTPWRLAB
BTPW LOCK CMET RECORD	LOCK	BTPWLOCK
BTPW PRINT TO RPMS DEVICE	PRW	BTPWTIUP
BTPW RAD REPORT DISPLAY	EN	BTPWRRAD
BTPW REOPEN CLOSED EVENT	ROPEN	BTPWPEVO
BTPW SET CMET PREFS	UPD	BTPWPQVW
BTPW SET CMET VIEW	UPD	BTPWPLVW
BTPW SET NOTE	EN	BTPWTINT
BTPW SIGN TIU DOCUMENT	SIGN	BTPWTIUT
BTPW TIU ADDENDUM	EN	BTPWTIAD
BTPW TIU SIG VALIDATE	SIG	BTPWTIUT
BTPW TRIGGER NOTIFICATION	NOT	BTPWBTTR
BTPW TRIGGER STATE	STATE	BTPWBTTR
BTPW UNLOCK CMET RECORD	UNLOCK	BTPWLOCK
BTPW UPDATE BATCH PROCESS	UPD	BTPWBTAD
BTPW UPDATE CMET SUB WRKSHT	EN	BTPWPWRS
BTPW UPDATE CMET TEMP	UPD	BTPWPTMP
BTPW UPDATE CMET WORKSHEET	EN	BTPWPWRK
BTPW UPDATE EVENT DUE	UDUE	BTPWSCHD
BTPW UPDATE FOLLOWUP PARAMS	UFOL	BTPWSCHD
BTPW UPDATE SITE PARAMETERS	UPD	BTPWSCHD
BTPW VALIDATE CLOSE EVENT	VAL	BTPWPCLO

Name	Tag	Routine
BTPW VFILE DATA VALIDATION	VAL	BTPWVVAL
BTPW VFILE DISPLAY	EN	BTPWRVFL
BTPW WH DISPLAY	EN	BTPWRWHP

6.6 Published Entry Points

CMET has no callable published entry points at this time.

7.0 Internal Relations

All functions within this application work independently.

There are no documented internal relations in BTPW.

8.0 External Relations

8.1 External Calls

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Routine              is Invoked by:
   ^%DT                 BTPW1PST,|dd90620,|dd90620.01,|dd90620.011,|dd90620.012
                        |dd90620.02,|dd90620.05,|dd90620.9,|dd90621,|dd90621.03
                        |dd90622,|dd90628,|dd90628.02,|dd90629,|dd90629.02
   NOW^%DTC             BTPWETRG
   ^%ZTER               BTPWBTAD,BTPWBTTR,BTPWETRG,BTPWEVNT,BTPWGLSY,BTPWHIST
                        BTPWLOCK,BTPWLTMP,BTPWPBTH,BTPWPCLO,BTPWPDSP,BTPWPEVC
                        BTPWPEVO,BTPWPEVT,BTPWPFND,BTPWPHIS,BTPWPLND,BTPWPLVW
                        BTPWPNLV,BTPWPPAT,BTPWPQVW,BTPWPSNP,BTPWPTBL,BTPWPTMP
                        BTPWPTRG,BTPWPWRK
                        BTPWPWRS,BTPWRLAB,BTPWRMDR,BTPWRRAD,BTPWRVFL,BTPWRWHP
                        BTPWSCHD,BTPWTAB,BTPWTAX,BTPWTINT,BTPWTIUN,BTPWTIUP
                        BTPWTIUS,BTPWTIUT,BTPWTIUU,BTPWVTRG,BTPWVVAL
   ^%ZTLOAD             BTPW1PST
   EN^APCDALV           BTPWPCHT
   EN^APCDALVR          BTPWPCHT
   BULL^ATXSTX2         BTPWUXA,BTPWUXB,BTPWUXC,BTPWUXD,BTPWUXE,BTPWUXF,BTPWUXG
                        BTPWUXH,BTPWUXI,BTPWUXJ,BTPWUXK,BTPWUXL,BTPWUXM,BTPWUXN
                        BTPWUXO,BTPWUXP,BTPWUXQ,BTPWUXR,BTPWUXS,BTPWUXT,BTPWUXU
                        BTPWUXV,BTPWUXW,BTPWVXA,BTPWVXB,BTPWVXC,BTPWVXD,BTPWVXE
                        BTPWVXF
                        BTPWVXG,BTPWVXH,BTPWVXI,BTPWVXJ,BTPWVXK,BTPWVXL,BTPWVXM
                        BTPWVXN,BTPWVXO,BTPWVXP,BTPWVXQ,BTPWVXR,BTPWVXS,BTPWVXT
                        BTPWVXU,BTPWVXV,BTPWVXW,BTPWVXX,BTPWVXY,BTPWVXZ,BTPWWXA
                        BTPWWXB,BTPWWXC,BTPWWXD,BTPWWXE,BTPWWXF,BTPWWXG,BTPWWXH
                        BTPWWXI
                        BTPWWXJ,BTPWWXK,BTPWWXL,BTPWWXM,BTPWWXN,BTPWWXO,BTPWWXP
                        BTPWWXQ,BTPWWXR,BTPWWXS,BTPWWXT,BTPWWXU,BTPWWXV,BTPWWXW
                        BTPWWXX,BTPWWXY,BTPWWXZ,BTPWXXA,BTPWXXB,BTPWXXC,BTPWXXD
                        BTPWXXE,BTPWXXF,BTPWXXG,BTPWXXH,BTPWXXI,BTPWXXJ,BTPWXXK
                        BTPWXXL
                        BTPWXXM,BTPWXXN,BTPWXXO,BTPWXXP,BTPWXXQ,BTPWXXR,BTPWXXS
                        BTPWXXT,BTPWXXU,BTPWXXV,BTPWXXW,BTPWXXX,BTPWXXY,BTPWXXZ
                        BTPWYXA,BTPWYXB,BTPWYXC,BTPWYXD,BTPWYXE,BTPWYXF,BTPWYXG
   KILL^ATXSTX2         BTPWUXA,BTPWUXB,BTPWUXC,BTPWUXD,BTPWUXE,BTPWUXF,BTPWUXG
                        BTPWUXH,BTPWUXI,BTPWUXJ,BTPWUXK,BTPWUXL,BTPWUXM,BTPWUXN
                        BTPWUXO,BTPWUXP,BTPWUXQ,BTPWUXR,BTPWUXS,BTPWUXT,BTPWUXU
                        BTPWUXV,BTPWUXW,BTPWVXA,BTPWVXB,BTPWVXC,BTPWVXD,BTPWVXE
                        BTPWVXF
                        BTPWVXG,BTPWVXH,BTPWVXI,BTPWVXJ,BTPWVXK,BTPWVXL,BTPWVXM
                        BTPWVXN,BTPWVXO,BTPWVXP,BTPWVXQ,BTPWVXR,BTPWVXS,BTPWVXT
                        BTPWVXU,BTPWVXV,BTPWVXW,BTPWVXX,BTPWVXY,BTPWVXZ,BTPWWXA
                        BTPWWXB,BTPWWXC,BTPWWXD,BTPWWXE,BTPWWXF,BTPWWXG,BTPWWXH
                        BTPWWXI
                        BTPWWXJ,BTPWWXK,BTPWWXL,BTPWWXM,BTPWWXN,BTPWWXO,BTPWWXP
                        BTPWWXQ,BTPWWXR,BTPWWXS,BTPWWXT,BTPWWXU,BTPWWXV,BTPWWXW
                        BTPWWXX,BTPWWXY,BTPWWXZ,BTPWXXA,BTPWXXB,BTPWXXC,BTPWXXD
                        BTPWXXE,BTPWXXF,BTPWXXG,BTPWXXH,BTPWXXI,BTPWXXJ,BTPWXXK
                        BTPWXXL
                        BTPWXXM,BTPWXXN,BTPWXXO,BTPWXXP,BTPWXXQ,BTPWXXR,BTPWXXS
                        BTPWXXT,BTPWXXU,BTPWXXV,BTPWXXW,BTPWXXX,BTPWXXY,BTPWXXZ
                        BTPWYXA,BTPWYXB,BTPWYXC,BTPWYXD,BTPWYXE,BTPWYXF,BTPWYXG
   TAX^ATXSTX2          BTPWUXA,BTPWUXB,BTPWUXC,BTPWUXD,BTPWUXE,BTPWUXF,BTPWUXG
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                        BTPWUXH,BTPWUXI,BTPWUXJ,BTPWUXK,BTPWUXL,BTPWUXM,BTPWUXN
                        BTPWUXO,BTPWUXP,BTPWUXQ,BTPWUXR,BTPWUXS,BTPWUXT,BTPWUXU
                        BTPWUXV,BTPWUXW,BTPWVXA,BTPWVXB,BTPWVXC,BTPWVXD,BTPWVXE
                        BTPWVXF
                        BTPWVXG,BTPWVXH,BTPWVXI,BTPWVXJ,BTPWVXK,BTPWVXL,BTPWVXM
                        BTPWVXN,BTPWVXO,BTPWVXP,BTPWVXQ,BTPWVXR,BTPWVXS,BTPWVXT
                        BTPWVXU,BTPWVXV,BTPWVXW,BTPWVXX,BTPWVXY,BTPWVXZ,BTPWWXA
                        BTPWWXB,BTPWWXC,BTPWWXD,BTPWWXE,BTPWWXF,BTPWWXG,BTPWWXH
                        BTPWWXI
                        BTPWWXJ,BTPWWXK,BTPWWXL,BTPWWXM,BTPWWXN,BTPWWXO,BTPWWXP
                        BTPWWXQ,BTPWWXR,BTPWWXS,BTPWWXT,BTPWWXU,BTPWWXV,BTPWWXW
                        BTPWWXX,BTPWWXY,BTPWWXZ,BTPWXXA,BTPWXXB,BTPWXXC,BTPWXXD
                        BTPWXXE,BTPWXXF,BTPWXXG,BTPWXXH,BTPWXXI,BTPWXXJ,BTPWXXK
                        BTPWXXL
                        BTPWXXM,BTPWXXN,BTPWXXO,BTPWXXP,BTPWXXQ,BTPWXXR,BTPWXXS
                        BTPWXXT,BTPWXXU,BTPWXXV,BTPWXXW,BTPWXXX,BTPWXXY,BTPWXXZ
                        BTPWYXA,BTPWYXB,BTPWYXC,BTPWYXD,BTPWYXE,BTPWYXF,BTPWYXG
   LOAD^BEHOENP1        BTPWPBTH,BTPWTINT,BTPWTIUN
   SIGCHK^BMXRPC3       BTPWTIUT,BTPWVVAL
   $$AGE^BQIAGE         BTPWEVNT,BTPWPDSP,BTPWPEVT,BTPWPLND,BTPWPSNP
   DEF^BQILYDEF         BTPWPLVW
   $$TPN^BQILYUTL       BTPWPLVW,BTPWPNLV
   $$SAT^BQISCHED       BTPWSCHD
   ADD^BQISYKEY         BTPW1PST
   REM^BQISYKEY         BTPW1PRE
   $$ENTRS^BQITAXX      BTPWTAX
   BLD^BQITUTL          BTPWPDSP,BTPWPEVT,BTPWPFND,BTPWPLND
   $$DATE^BQIUL1        BTPWBTAD,BTPWBTTR,BTPWETRG,BTPWPCHT,BTPWPDSP,BTPWPEVT
                        BTPWPFND,BTPWPLND,BTPWPTBL,BTPWPTMP,BTPWPUTL,BTPWPWRK
                        BTPWPWRS,BTPWSCHD
   $$FMTE^BQIUL1        BTPWBTTR,BTPWETRG,BTPWEVNT,BTPWHIST,BTPWPDSP,BTPWPEVC
                        BTPWPEVO,BTPWPEVT,BTPWPFND,BTPWPHIS,BTPWPLND,BTPWPNLV
                        BTPWPPAT,BTPWPSNP,BTPWPTBL,BTPWPTRG,BTPWPUTL,BTPWRMDR
                        BTPWSCHD
   $$HRN^BQIUL1         BTPWPFND
   $$STRIP^BQIUL1       BTPWSCHD
   $$TKO^BQIUL1         BTPWETRG,BTPWPCLO,BTPWPLVW,BTPWPNLV,BTPWPTBL,BTPWTIUN
                        BTPWTIUT
   $$TMPFL^BQIUL1       BTPWRLAB,BTPWRRAD,BTPWRVFL,BTPWRWHP
   $$STC^BQIUL2         BTPWBTTR,BTPWETRG,BTPWEVNT,BTPWHIST,BTPWTIUT
   $$CALR^BQIULPT       BTPWPDSP,BTPWPEVT,BTPWPLND,BTPWPNLV
   $$DCAT^BQIULPT       BTPWPDSP
   $$DPCP^BQIULPT       BTPWPDSP,BTPWPEVT
   $$FLG^BQIULPT        BTPWPNLV
   $$HRNL^BQIULPT       BTPWEVNT,BTPWPDSP,BTPWPEVO,BTPWPEVT,BTPWPLND,BTPWPSNP
   $$MFLAG^BQIULPT      BTPWPNLV
   $$SENS^BQIULPT       BTPWPDSP,BTPWPEVT,BTPWPLND,BTPWPNLV
   TAB^BQIUTB           BTPWTAB
   TPS^BTPW1PSU         BTPW1PST
   $$FUT^BTPWBTAD       BTPWPWRS
   DLOG^BTPWHIST        BTPWPWRS
   RLOG^BTPWHIST        BTPWBTAD,BTPWPEVO,BTPWPTMP,BTPWPWRK,BTPWPWRS
   SLOG^BTPWHIST        BTPWPTMP
   WLOG^BTPWHIST        BTPWBTAD,BTPWPEVO,BTPWPWRK,BTPWPWRS
   UNL^BTPWLOCK         BTPWBTAD
   CONT^BTPWNTE0        BTPWNTEG
   $$ADD^BTPWPCHT       BTPWPBTH,BTPWTINT
   $$EN^BTPWPCHT        BTPWPBTH,BTPWTINT,BTPWTIUN
   $$FND^BTPWPCLO       BTPWPDSP,BTPWPTRG
   $$FOL^BTPWPCLO       BTPWPDSP
   $$NOT^BTPWPCLO       BTPWPDSP
   $$CAT^BTPWPDSP       BTPWEVNT,BTPWPEVT,BTPWPFND,BTPWPLND,BTPWPPAT,BTPWPSNP
                        BTPWPTBL,BTPWRMDR,BTPWTAX
   $$FLG^BTPWPDSP       BTPWPPAT
```

```
   $$SCOMM^BTPWPDSP    BTPWPPAT
   $$FND^BTPWPEVT      BTPWPPAT
   $$FUP^BTPWPEVT      BTPWPPAT
   $$INTER^BTPWPEVT    BTPWPFND,BTPWPPAT
   $$NOT^BTPWPEVT      BTPWPPAT
   $$REC^BTPWPTMP      BTPWBTAD
   FL^BTPWPTMP         BTPWBTAD
   MV^BTPWPTMP         BTPWBTAD
   QHIS^BTPWPTMP       BTPWBTAD
   $$LNK^BTPWPTRG      BTPWEVNT,BTPWPEVT,BTPWPPAT,BTPWPSNP
   $$QLNK^BTPWPTRG     BTPWPDSP,BTPWPPAT
   $$FLDUE^BTPWPUTL    BTPWBTAD
   SYS^BTPWPUTL        BTPWETRG
   EN^BTPWQUE          |opt
   ^BTPWUX             BTPW1PST
   ^BTPWUXA            BTPWUX
   ^BTPWUXB            BTPWUX
   ^BTPWUXC            BTPWUX
   ^BTPWUXCB           BTPWUXC
   ^BTPWUXD            BTPWUX
   ^BTPWUXE            BTPWUX
   ^BTPWUXF            BTPWUX
   ^BTPWUXG            BTPWUX
   ^BTPWUXH            BTPWUX
   ^BTPWUXI            BTPWUX
   ^BTPWUXJ            BTPWUX
   ^BTPWUXK            BTPWUX
   ^BTPWUXL            BTPWUX
   ^BTPWUXM            BTPWUX
   ^BTPWUXN            BTPWUX
   ^BTPWUXO            BTPWUX
   ^BTPWUXP            BTPWUX
   ^BTPWUXQ            BTPWUX
   ^BTPWUXR            BTPWUX
   ^BTPWUXS            BTPWUX
   ^BTPWUXT            BTPWUX
   ^BTPWUXU            BTPWUX
   ^BTPWUXV            BTPWUX
   ^BTPWUXW            BTPWUX
   ^BTPWVX             BTPW1PST
   ^BTPWVXA            BTPWVX
   ^BTPWVXB            BTPWVX
   ^BTPWVXC            BTPWVX
   ^BTPWVXD            BTPWVX
   ^BTPWVXE            BTPWVX
   ^BTPWVXF            BTPWVX
   ^BTPWVXG            BTPWVX
   ^BTPWVXH            BTPWVX
   ^BTPWVXI            BTPWVX
   ^BTPWVXJ            BTPWVX
   ^BTPWVXK            BTPWVX
   ^BTPWVXL            BTPWVX
   ^BTPWVXM            BTPWVX
   ^BTPWVXN            BTPWVX
   ^BTPWVXO            BTPWVX
   ^BTPWVXP            BTPWVX
   ^BTPWVXQ            BTPWVX
   ^BTPWVXR            BTPWVX
   ^BTPWVXS            BTPWVX
   ^BTPWVXT            BTPWVX
   ^BTPWVXU            BTPWVX
   ^BTPWVXV            BTPWVX
   ^BTPWVXW            BTPWVX
   ^BTPWVXX            BTPWVX
```

```
^BTPWVXY            BTPWVX
^BTPWVXZ            BTPWVX
^BTPWWX             BTPW1PST
^BTPWWXA            BTPWWX
^BTPWWXB            BTPWWX
^BTPWWXC            BTPWWX
^BTPWWXD            BTPWWX
^BTPWWXE            BTPWWX
^BTPWWXF            BTPWWX
^BTPWWXG            BTPWWX
^BTPWWXH            BTPWWX
^BTPWWXI            BTPWWX
^BTPWWXJ            BTPWWX
^BTPWWXK            BTPWWX
^BTPWWXL            BTPWWX
^BTPWWXM            BTPWWX
^BTPWWXN            BTPWWX
^BTPWWXO            BTPWWX
^BTPWWXP            BTPWWX
^BTPWWXQ            BTPWWX
^BTPWWXR            BTPWWX
^BTPWWXS            BTPWWX
^BTPWWXT            BTPWWX
^BTPWWXU            BTPWWX
^BTPWWXV            BTPWWX
^BTPWWXW            BTPWWX
^BTPWWXX            BTPWWX
^BTPWWXY            BTPWWX
^BTPWWXZ            BTPWWX
^BTPWXX             BTPW1PST
^BTPWXXA            BTPWXX
^BTPWXXB            BTPWXX
^BTPWXXC            BTPWXX
^BTPWXXD            BTPWXX
^BTPWXXE            BTPWXX
^BTPWXXF            BTPWXX
^BTPWXXG            BTPWXX
^BTPWXXH            BTPWXX
^BTPWXXI            BTPWXX
^BTPWXXJ            BTPWXX
^BTPWXXK            BTPWXX
^BTPWXXL            BTPWXX
^BTPWXXM            BTPWXX
^BTPWXXN            BTPWXX
^BTPWXXO            BTPWXX
^BTPWXXP            BTPWXX
^BTPWXXQ            BTPWXX
^BTPWXXR            BTPWXX
^BTPWXXS            BTPWXX
^BTPWXXT            BTPWXX
^BTPWXXU            BTPWXX
^BTPWXXV            BTPWXX
^BTPWXXW            BTPWXX
^BTPWXXX            BTPWXX
^BTPWXXY            BTPWXX
^BTPWXXZ            BTPWXX
^BTPWYX             BTPW1PST
^BTPWYXA            BTPWYX
^BTPWYXB            BTPWYX
^BTPWYXC            BTPWYX
^BTPWYXD            BTPWYX
^BTPWYXE            BTPWYX
^BTPWYXF            BTPWYX
^BTPWYXG            BTPWYX
```

```
DEVICE^CIAVUTIO     BTPWTIUP
EN^DDIOL            BTPW1PST
^DIC                BTPW1PST,BTPWPLVW,BTPWPQVW,BTPWTINT,|dd90621.07
$$FIND1^DIC         BTPWPCHT,BTPWPLVW,BTPWPNLV,BTPWPTRG,BTPWVVAL
FILE^DICN           BTPW1PST,BTPWBTAD,BTPWHIST,BTPWPFND,BTPWPLVW,BTPWPQVW
                    BTPWPTBL,BTPWPTMP,BTPWPWRS,BTPWTINT
^DICR               |dd90628,|dd90628.02
DT^DICRW            BTPWHIST,BTPWPDSP,BTPWPEVT,BTPWPFND,BTPWPLND,BTPWPPAT
                    BTPWPSNP,BTPWTAB,BTPWTIUU
$$GET1^DID          BTPWPFND,BTPWTAB
FIELD^DID           BTPWTAB
FILE^DIE            BTPW1PST,BTPWBTAD,BTPWHIST,BTPWPEVO,BTPWPFND,BTPWPLVW
                    BTPWPQVW,BTPWPTBL,BTPWPTMP,BTPWPWRK,BTPWPWRS,BTPWSCHD
WP^DIE              BTPW1PSU,BTPWBTAD,BTPWHIST,BTPWPEVO,BTPWPTMP,BTPWPWRK
                    BTPWPWRS
^DIK                BTPW1PRE,BTPW1PST,BTPWPCHT,BTPWPEVO,BTPWPQVW,BTPWPWRS
$$IENS^DILF         BTPW1PST,BTPWBTAD,BTPWPEVC,BTPWPEVO,BTPWPFND,BTPWPLVW
                    BTPWPNLV,BTPWPQVW,BTPWPTBL,BTPWPTMP,BTPWPUTL,BTPWPWRS
                    BTPWSCHD,BTPWTAB,BTPWTAX
$$ROOT^DILFD        BTPWPFND,BTPWRVFL,BTPWTAB
$$VFILE^DILFD       BTPWTAB
^DIM                |dd90621,|dd90628
$$GET1^DIQ          BTPW1PST,BTPWBTAD,BTPWETRG,BTPWEVNT,BTPWHIST,BTPWLOCK
                    BTPWPCLO,BTPWPDSP,BTPWPEVC,BTPWPEVO,BTPWPEVT,BTPWPFND
                    BTPWPHIS,BTPWPLND,BTPWPLVW,BTPWPNLV,BTPWPPAT,BTPWPQVW
                    BTPWPSNP,BTPWPTBL,BTPWPTMP,BTPWPTRG,BTPWPUTL,BTPWPWRS
                    BTPWRLAB,BTPWSCHD
                    BTPWTAB,BTPWTAX
EN^DIQ              BTPWRVFL,BTPWRWHP
GETS^DIQ            BTPWHIST,BTPWPDSP,BTPWPLND,BTPWPPAT,BTPWPTRG
VALIDSIG^ORWU       BTPWTIUN,BTPWTIUT
INIT^RARTR          BTPWRRAD
PRT^RARTR           BTPWRRAD
RPC^TIUPD           BTPWTIUP
LIST^TIUSRVD        BTPWTIUU
LOADIEN^TIUSRVF     BTPWTIUT
$$DOLMLINE^TIUSRVF1 BTPWTIUN,BTPWTIUT
DELETE^TIUSRVP      BTPWTIUT
LOCK^TIUSRVP        BTPWTIUN
MAKE^TIUSRVP        BTPWPBTH,BTPWTINT,BTPWTIUN
MAKEADD^TIUSRVP     BTPWTIAD
SIGN^TIUSRVP        BTPWTIUN,BTPWTIUT
UNLOCK^TIUSRVP      BTPWTIUN
UPDATE^TIUSRVP      BTPWTINT
SETTEXT^TIUSRVPT    BTPWPBTH,BTPWTINT,BTPWTIUN
TGET^TIUSRVR1       BTPWTINT
GETBOIL^TIUSRVT     BTPWTIUN,BTPWTIUT
GETITEMS^TIUSRVT    BTPWLTMP
GETROOTS^TIUSRVT    BTPWLTMP
GETTEXT^TIUSRVT     BTPWPBTH,BTPWTIUN
TACCESS^TIUSRVT2    BTPWLTMP
$$LOWER^VALM1       BTPWTAX
$$DT^XLFDT          BTPWBTAD,BTPWLOCK,BTPWPWRS
$$FMADD^XLFDT       BTPW1PST,BTPWETRG,BTPWLOCK,BTPWPFND,BTPWPUTL,BTPWSCHD
$$FMDIFF^XLFDT      BTPWSCHD
$$FMTE^XLFDT        BTPW1PST
$$NOW^XLFDT         BTPWBTAD,BTPWBTTR,BTPWETRG,BTPWEVNT,BTPWGLSY,BTPWHIST
                    BTPWLOCK,BTPWLTMP,BTPWPBTH,BTPWPCHT,BTPWPCLO,BTPWPDSP
                    BTPWPEVC,BTPWPEVO,BTPWPEVT,BTPWPFND,BTPWPHIS,BTPWPLND
                    BTPWPLVW,BTPWPNLV,BTPWPPAT,BTPWPQVW,BTPWPSNP,BTPWPTBL
                    BTPWPTMP,BTPWPTRG
                    BTPWPWRK,BTPWPWRS,BTPWRLAB,BTPWRMDR,BTPWRRAD,BTPWRVFL
                    BTPWRWHP,BTPWSCHD,BTPWTAB,BTPWTAX,BTPWTIAD,BTPWTINT
                    BTPWTIUN,BTPWTIUP,BTPWTIUS,BTPWTIUT,BTPWTIUU,BTPWVTRG
```

```
                        BTPWVVAL,|dd90628,|dd90628.02
   $$STRIP^XLFSTR       BTPWPFND,BTPWRVFL,BTPWRWHP,BTPWVVAL
   $$UP^XLFSTR          BTPWTIUU
   $$DECRYP^XUSRB1      BTPWTIUT
   RESCH^XUTMOPT        BTPWSCHD

ROUTINES NOT MARKED AS ENTRY POINT

None of the generated taxonomy programs (CREATED BY ^ATXSTX) have EPs.
   DEVICE^CIAVUTIO      BTPWTIUP                  EHR API
   VALIDSIG^ORWU        BTPWTIUN,BTPWTIUT            EHR API
   INIT^RARTR           BTPWRRAD                  VA routine
   PRT^RARTR            BTPWRRAD                  VA routine
   RPC^TIUPD            BTPWTIUP                  EHR API
   LIST^TIUSRVD         BTPWTIUU                  EHR API
   LOADIEN^TIUSRVF      BTPWTIUT                  EHR API
   $$DOLMLINE^TIUSRVF1 BTPWTIUN,BTPWTIUT            EHR API
   DELETE^TIUSRVP       BTPWTIUT                  EHR API
   LOCK^TIUSRVP         BTPWTIUN                  EHR API
   MAKE^TIUSRVP         BTPWPBTH,BTPWTINT,BTPWTIUN  EHR API
   MAKEADD^TIUSRVP      BTPWTIAD                  EHR API
   SIGN^TIUSRVP         BTPWTIUN,BTPWTIUT            EHR API
   UNLOCK^TIUSRVP       BTPWTIUN                  EHR API
   UPDATE^TIUSRVP       BTPWTINT                  EHR API
   SETTEXT^TIUSRVPT     BTPWPBTH,BTPWTINT,BTPWTIUN  EHR API
   TGET^TIUSRVR1        BTPWTINT                  EHR API
   GETBOIL^TIUSRVT      BTPWTIUN,BTPWTIUT            EHR API
   GETITEMS^TIUSRVT     BTPWLTMP                  EHR API
   GETROOTS^TIUSRVT     BTPWLTMP                  EHR API
   GETTEXT^TIUSRVT      BTPWPBTH,BTPWTIUN            EHR API
   TACCESS^TIUSRVT2     BTPWLTMP                  EHR API
   $$LOWER^VALM1        BTPWTAX                   VA routine
   $$DECRYP^XUSRB1      BTPWTIUT                  VA routine
```

Figure 8-1: External calls

8.2 Callable Routines–Published Entry Points

```
EN^APCDALV;PEP–Called to create PCC Visits
```

This entry point is called by CMET to PCC to create a Chart Review visit.

```
EN^APCDALVR ;PEP–called to create PCC V File entries
```

This entry point is called by CMET to PCC to create accompanying V File entries for a Chart Review visit.

8.3 Exported Options

There are no exported menu options in CMET since the interface to this module is via GUI applications only. Therefore the only option is the option that allows for RPC.

Option Name	Description
BTPWRPC	This option hosts RPCs in the BTPW namespace.

9.0 Archiving and Purging

There is no archiving or purging in this package at this time.

10.0 Documentation Resources

This section describes a few methods to generate CMET system technical documentation.

10.1 %INDEX Option

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS programming standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables
- Naked globals
- Label references
- External references

Running %INDEX for a specified set of routines allows users to discover any deviations from RPMS programming standards that exist in the selected routines and to see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the Care Management Event Tracking package, type the BTPW* namespace at the "Routine(s)?>" prompt.

10.2 List File Attributes Option

This VA FileMan option allows users to generate documentation pertaining to files and file structure. Using the standard format of this option yields the following data dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified

- Files that point to the file specified
- Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- "Help" prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the Global Map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates

For a comprehensive listing of Care Management Event Tracking package files, see Section 6.0.

11.0 SAC Requirements/Exemptions

CMET has no Standards and Conventions (SAC) exemptions requested at this time.

12.0 Templates, Forms, and Protocols

12.1 Print Templates

There are no print templates in this package.

12.2 Sort Templates

There are no sort templates in this package.

12.3 Input Templates

There are no input templates in this package.

12.4 List Templates

There are no list templates in this package.

12.5 Forms

There are no forms in this package.

12.6 Protocols

There are no protocols in this package.

13.0 CMET Windows Client

13.1 Description of Development Environment

Currently CMET is accessed by the iCare Windows Client, Version 2.1. See the iCare Technical Manual for more information.

13.2 CMET Windows Client - Install Program Files

CMET will be part of the iCare Version 2.1 release.

13.3 iCare Windows Client - List of Object Classes

All of the new object classes are used within the iCare Windows application and are included in the iCare Version 2.1 Technical Manual. All of the specified class names exist within the namespace IndianHealthService.iCare.

14.0 Accessibility Checklist

IHS Section 508 36 CFR Part §1194.21 Software Applications and Operating Systems Checklist

Software application and version:	IHS iCare Version 2.1.0.56		
Manufacturer/Contractor/Developer:	Vangent, Inc		
Tester:		Date:	March 2011

- **Fully Compliant (FC)**: All instances are Fully Compliant
- **Non-Compliant (NC)**: All instances are Non-Compliant
- **Partially Compliant (PC)**: Requires further explanation
- **Not Applicable (N/A)**: Standard is not applicable to this application

Compliance is defined as meeting the requirement set forth in the Section 508 Technical Standards 36 CFR Part 1194, http://www.access-board.gov/sec508/guide/.

Any item not rated as fully compliant needs an explanation as to why the standard was not met. Enter the identification (ID) number and an explanation in the space provided at the end of the checklist.

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
1	**(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.** Can you navigate and use all aspects of the application using only the keyboard?	FC– w/minor			

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
2	**(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer**. Are all of the accessibility options that were previously set still available?	FC			
3	**(c) A well defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes**. Is the focus well defined?	FC			
	Is there no evident change in on-screen focus as you navigate through one or more components of an application?				
4	**(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text**. Can the screen reader distinguish and read all controls to the user, such as prompts for edit fields, text, radio buttons, checkboxes, menus, and toolbars?		PC at present testing is pending with Assistive Technology products		

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
5	**(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance**. Do individual icons used to identify controls, status indicators, or other programmatic elements mean the same thing throughout the application?	FC			
6	**(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes**. Is all text presented in the application readable by assistive technologies?	FC–Testing is Pending with Assistive Technology Products			
7	**(g) Applications shall not override user selected contrast and color selections and other individual display attributes**. Does the software not override user-selected contrast and color selections and other individual display attributes or settings?	FC			
8	**(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user**. If animated objects exist, does the information conveyed by the animated object exist in another mode, i.e., captions?	FC			

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
9	**(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element**. If color is the sole means used to prompt a response, indicate an action, distinguish a visual element, or convey information, is the information displayed in another mode? For example: If the color red indicates negative numbers, are those numbers also represented with a negative sign (-)?	FC			
10	**(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided**. If users can adjust color and contrast settings, are a variety of color and contrast settings available to choose from?				N/A
11	**(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz**. If any flashing or blinking objects or text occurs in the application, are the frequencies less than 2 Hz and greater than 55Hz?	FC			
12	**(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.** Can you navigate and follow links and forms with the keyboard?	FC - Pending			
	Can the electronic forms be used with assistive technologies?				

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
	Can a screen reading program read all prompts, directions, explanations, or instructions on the form and understand the purpose of each field?				
13	**Documentation** Are all manuals and documentation provided in electronic format, as well as text files, including text descriptions of any charts, graphs, pictures, or graphics of any nature?	FC - Pending			

Enter the ID number and an explanation for any Partially Compliant (PC) or Non-Compliant (NC) results from above.

ID	Explanation
1	Currently all functionality in the application is accessible via keyboard except for changing sort order and applying list filters to datagrid lists. Staff is working with the vendor of the grid to find a way to make this functionality available by keyboard only, but it is not considered a critical functionality. The most important data lists have user customizable column order and sort screens that are accessible via the keyboard-only usage.
4	Testing with screen-reading assistive technology software is pending. It is anticipated that the application will need some tweaking to work effectively with screen reading software; however, all components used in development claim to meet 508 compliance measures and each control makes accessibility-related properties available to help the screen-reader software. Therefore the application will be able to meet compliance, but may need adjustments with respect to accessibility properties.
6	See comment on Item #4. One challenge for the iCare application is that by its very nature it involves working with long lists of patients, laboratory results, GPRA data, etc. This may be challenging to convey in a practical way via screen reading software, but the current design seems to be as appropriate as any for handling long lists.
10	iCare uses Windows system/theme colors for all controls in the application, and does not offer any functionality within iCare itself to modify the colors, etc.
12	Testing is pending. See Comment #4 and #6.
13	All documentation is being prepared using IHS form templates and documentation standards and guidelines.

Application results:

Fully Compliant __ Partially Compliant __ Noncompliant __ N/A ___

Additional Comments:

This initial review is based on application status prior to alpha/beta testing. Testing related to 508 compliance will continue and improvements will continue to be made prior to national release and potentially thereafter.

Glossary

API

Application Programmer Interface

BQI

Namespace for iCare files and routines.

Case File Manager(s)

The system owner(s) of the individual CM application. The case file manager(s) will have full security access to the application to perform various setup functions and assign access roles to other users.

Case Manager(s)

A term used to describe a particular type of clinical role within a clinic. Case managers are typically, but not always, nurses who perform clinical management tasks for specified groups of patients, e.g. diabetics.

CDC

Centers for Disease Control. An agency within the Department of Health and Human Services (HHS).

CMS

Center for Medicaid and Medicare Services. An agency within the HHS.

COTS

Commercial off the Shelf. Refers to commercially available software applications.

CVD

Cardiovascular Disease

CVD MS

Cardiovascular Disease Management System

DOB

Date of Birth

DX

Diagnosis

ED

Education

GOTS

Government off the Shelf. Refers to existing Government-owned and developed software applications.

GPRA

Government Performance and Results Act

GUI

Graphical User Interface

HMS

HIV Management System

HRN

Health Record Number within RPMS

HRSA

Health Resources and Services Administration. An agency within the Department of Health and Human Services.

I/T/U

Abbreviation referring to all IHS direct, tribal, and urban facilities. Using the abbreviation I/T/U generally refers to all components of the Indian healthcare system.

ICD Codes

One of several code sets used by the healthcare industry to standardize data. The International Classification of Disease is an international diagnostic coding scheme. In addition to diseases, ICD also includes several families of terms for medical-specialty diagnoses, health status, disablements, procedures, and reasons for contact with HCPs. IHS currently uses ICD-9 for coding.

IHS

Indian Health Service

ITSC

Information Technology Support Center. Currently referred to as Office of Information Technology (OIT).

OIT

Office of Information Technology. The organization within IHS that is responsible for developing and maintaining RPMS and related IT functions.

PCC

RPMS Patient Care Component Refers to functions within RPMS as a clinical data repository, storing visit-related data about a patient.

PCC form

The paper form used in most I/T/U clinics on which the provider(s) document all data from the patient's visit. Used by data entry staff to enter patient data into RPMS PCC.

PCC+

The RPMS PCC+ software produces automated, customizable PCC forms.

POV

Purpose of Visit. In RPMS, ICD codes and narrative describing the patient's POV are documented in PCC V POV.

RCIS

RPMS Referred Care Information System

REM

Reminder

RPMS

Resource and Patient Management System. A series of integrated software components that includes clinical, administrative, and financial functions.

SAC

Standards and Convention

SQA

Software Quality Assurance. The office within OIT responsible for ensuring that the system conforms to RPMS Programming Standards and Conventions.

SRD

Software Requirements Document

Taxonomy

In RPMS, a grouping of functionally related data elements, such as ICD codes. For iCare, taxonomies will be used as definitions for diagnoses, procedures, laboratory tests, medications and other clinical data types.

V-file

Visit-related File

UI

User Interface

VMS

Virtual Memory System

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

Fax: (505) 248-4363

Web: http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm

Email: support@ihs.gov