



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **Electronic Health Record**

(EHR)

## **Technical Manual Volume 2**

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Version	Date	Author	Description	Sections
v1.1	9/2007	Doug Martin	v1.1 Release	
v1.1, p17	2/2016	Phillip Salmon	v1.1 Patch 17 Release	
v1.1, p25	8/2019	Phillip Salmon	v1.1 Patch 25 Release	<ul style="list-style-type: none"><li>• Preface</li><li>• 18.13</li><li>• 22.12.23–22.12.27</li><li>• 28.12.13–28.12.16</li><li>• 29.11.13–29.11.18</li><li>• 35.4–35.5</li><li>• 35.7</li></ul>
v1.1, p29	8/2020	Phillip Salmon	v1.1 Patch 29 Release	<ul style="list-style-type: none"><li>• 21</li></ul>

## Preface

This guide provides information regarding technical aspects of the Indian Health Service Resource and Patient Management Electronic Health Record (RPMS-EHR) v1.1 software. Its target audience is local and regional information technology support personnel who may be called upon to configure or troubleshoot the application. This guide has been broken into four separate files of which this is the second.

## 15.0 Activity Time

### 15.1 Introduction

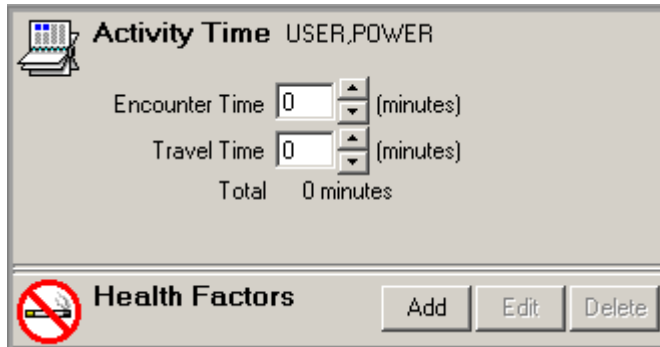


Figure 15-1: Activity Time component

The **Activity Time** component permits tracking encounter and travel time as related to a specific encounter.

### 15.2 Architecture and Business Process Overview

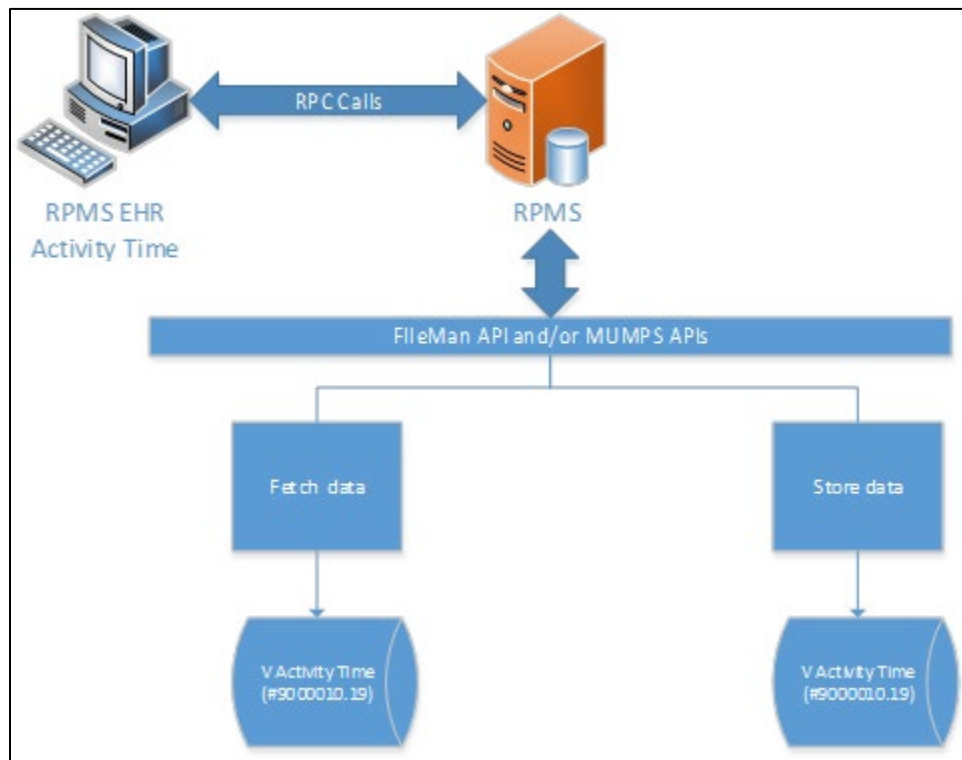


Figure 15-2: Architecture and business process overview

## 15.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOACTIVITYTIME.IHSBGOACTTIMECTRL
Class Identifier	{E5836EA1-5EF5-4B1B-AE4B-0EE7E3F8FE3F}
Image File	lhsBgoActivityTime.ocx
Property Initializations	
Serializable Properties	
Required Files	lhsBgoActivityTime.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 15.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVTM”. The following routines are distributed:

Routine	Description
BGOVTM	Support for managing activity time.

## 15.5 File List

None.

## 15.6 Cross References

None.

## 15.7 Exported Options

None.

## 15.8 Exported Security Keys

None.

## 15.9 Exported Protocols

None.

## 15.10 Exported Parameters

None.

## 15.11 Exported Mail Groups

None.

## 15.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 15.12.1 RPC: BGOVTM DEL

Scope: private

Parameter	Datatype	Description
VFIEN	Pointer (#9000010.19)	V file IEN.
<return value>	String	Failure: -n^error text Success: null

Delete specified V ACTIVITY TIME entry.

### 15.12.2 RPC: BGOVTM GET

Scope: private

Parameter	Datatype	Description
INP	String	Visit IEN ^ User IEN
<return value>	String	Activity Time IEN ^ Activity Time ^ Travel minutes

Get activity time entry associated with given user and visit.

### 15.12.3 RPC: BGOVTM SET

Scope: private

Parameter	Datatype	Description
INP	String	V File IEN [1] ^ Visit IEN [2] ^ Provider IEN [3] ^ Activity Time [4] ^ Travel Minutes [5]
<return value>	String	Failure: -n^error text Success: null

Add/edit activity time entry.

### 15.13 External Relations

Entity	Name	Description
File	V ACTIVITY TIME (#9000010.19)	Read and write access

### 15.14 Internal Relations

None.

### 15.15 Archiving and Purging

There are no archiving or purging requirements within this software.

### 15.16 Components

This component supports the following properties and methods:

#### 15.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.



## 16.0 Chief Complaint

### 16.1 Introduction

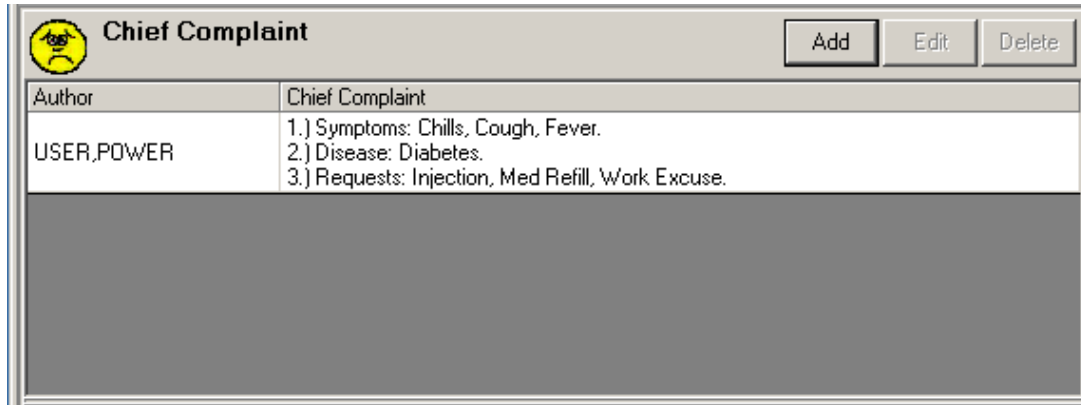


Figure 16-1: Chief Complaint component

This component permits viewing and managing chief complaint entries. Chief complaint entries are stored in the V NARRATIVE TEXT file with a type of CHIEF COMPLAINT. This component also supports viewing (but not editing) of chief complaint entries in the CHIEF COMPLAINT field of the VISIT file entry.

## 16.2 Architecture and Business Process Overview

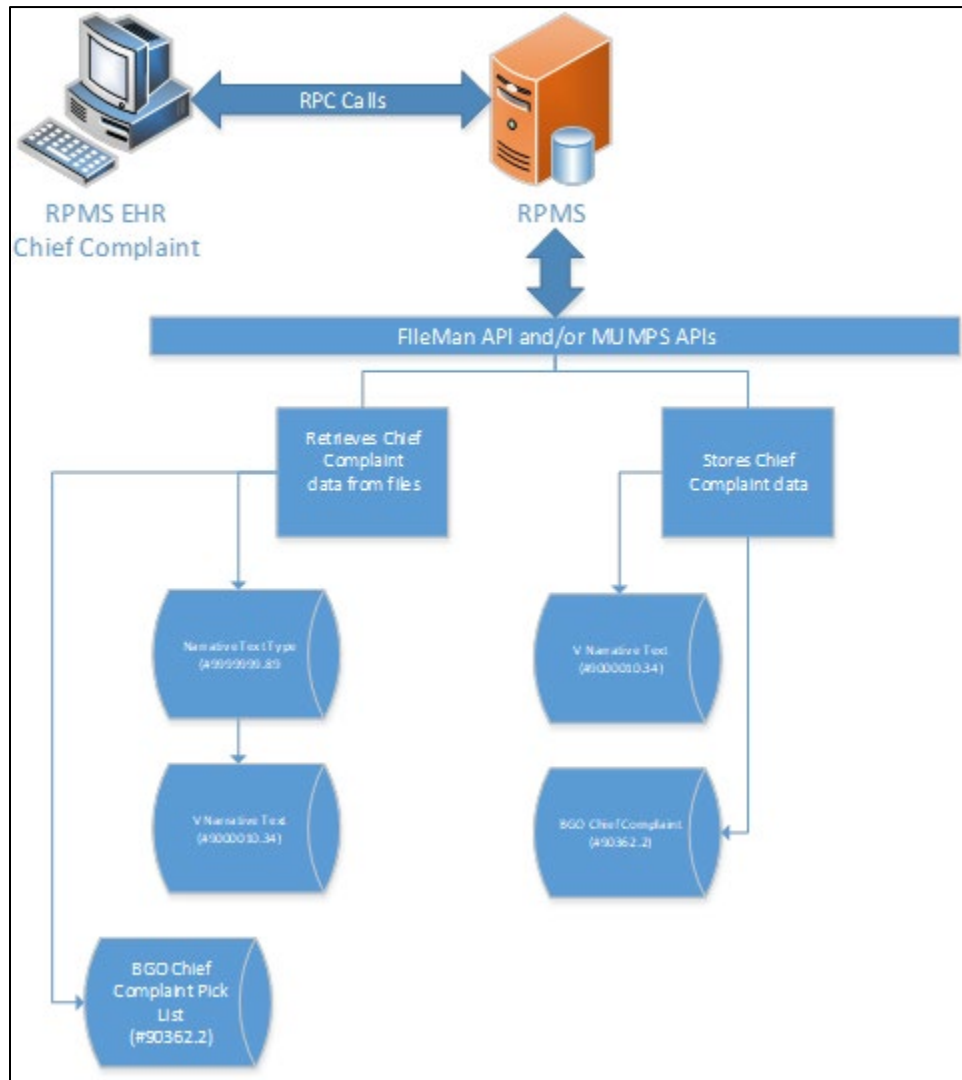


Figure 16-2: Architecture and business process overview

## 16.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOCHIEF COMPLAINT.BGOCC
Class Identifier	{A7F77B51-F027-42CC-8940-7404D6BC3178}
Image File	lhsBgoChiefComplaint.ocx
Property Initializations	
Serializable Properties	

Entity	Value
Required Files	
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 16.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOCC”. The following routines are distributed:

Routine	Description
BGOCC	Support for managing chief complaint entries.

## 16.5 File List

The following files are distributed:

### 16.5.1 BGO Chief Complaint Pick List (#90362.2)

This file contains entries for the pick list choices within the Chief Complaint authoring dialog.

Field Name	#	Datatype	Indexes	Description
NAME	.01	Text	B – Standard	Display text to appear in the pick list.
TYPE	.02	Set	AC – Standard	Determines to which pick list the entry belongs. One of: 1 = Symptom 2 = Disease 3 = Request
BODY LOCATION RELATED	.03	Boolean		If true, the entry can have body location attributes associated with it.

## 16.6 Cross References

Cross references are described in the preceding section.

## 16.7 Exported Options

Option	Type	Description
BGOCC MAIN	menu	Chief complaint configuration menu.
BGO CC PREFIX TEXT	action	Modify prefix text for chief complaint pick lists.
BGO DISABLE CC EDITING	Action	Disable chief complaint editing

## 16.8 Exported Security Keys

None.

## 16.9 Exported Protocols

None.

## 16.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO CC PREFIX TEXT	Set (Pick List)	String	User, Class, Location, Division, System	This parameter allows the overriding of the default prefix text that appears before selections from a chief complaint pick list. The instance value may be one of: Symptom Disease Request
BGO DISABLE CC EDITING		Boolean	User, Class	Disable chief complaint editing.

## 16.11 Exported Mail Groups

None.

## 16.12 Callable Routines

This section describes supported entry points for routines exported with this component.

## 16.12.1 RPC: BGOCC DEL

Scope: private

Parameter	Datatype	Description
VNT	Pointer (#9000010.34)	IEN of V NARRATIVE TEXT file entry to be deleted.
<return value>	String	Failure: -n^error text Success: null

Deletes the chief complaint entry.

## 16.12.2 RPC: BGOCC DELPL

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#90362.2)	IEN of BGO CHIEF COMPLAINT PICK LIST entry to be deleted.
<return value>	String	Failure: -n^error text Success: null

Deletes a chief complaint pick list item.

## 16.12.3 RPC: BGOCC GET

Scope: private

Parameter	Datatype	Description
INP	Pointer (#9000010)	Visit IEN
<return value>	String List	List of records with the format: V Narrative IEN [1] ^ Author (IEN~Name) [2] ^ Line Count [3] Chief Complaint Narrative (multiple lines)

Gets chief complaint entries associated with the specified visit.

### 16.12.4 RPC: BGOCC GETPL

Scope: private

Parameter	Datatype	Description
TYP	Set	Determines which pick list to retrieve. One of: Symptom Disease Request
<return value>	String List	List of records in the format: IEN ^ Display Text ^ Body Location Related

Gets all entries for the specified chief complaint pick list.

### 16.12.5 RPC: BGOCC SET

Scope: private

Parameter	Datatype	Description
INP	String	Visit IEN ^ V Narrative IEN ^ Chief Complaint
<return value>	String	Failure: -n^error text Success: V Narrative IEN

Add/edit a chief complaint entry.

### 16.12.6 RPC: BGOCC SETPL

Scope: private

Parameter	Datatype	Description
INP	String	Name ^ Type ^ Body Related
<return value>	String	Failure: -n^error text Success: null

Add a chief complaint pick list item.

## 16.13 External Relations

Entity	Name	Description
File	V NARRATIVE TEXT (#9000010.34)	Read and write access.

## 16.14 Internal Relations

None.

## 16.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 16.16 Components

This component supports the following properties and methods:

### 16.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 17.0 Evaluation and Management Coding

### 17.1 Introduction

Type of Service	Level of Service				
<b>Office Visit</b>		History and Exam	Complexity	Approx. Time	CPT Codes
Consultation	<input type="checkbox"/>	Brief	Nurse Visit	5 min	99211
Preventive Medicine	<input type="checkbox"/>	Problem Focused	Straightforward	10 min	99212
Emergency Services	<input type="checkbox"/>	Expanded	Low	15 min	99213
Other ER Services	<input type="checkbox"/>	Detailed	Moderate	25 min	99214
Initial Hospital Care	<input type="checkbox"/>	Comprehensive	High	40 min	99215
Subsequent Hospital Care					
Observation Inpatient Care					
Hospital Discharge					
Initial Inpatient Consult					
Newborn Care					

Figure 17-1: Evaluation and Management Coding component

The Evaluation and Management Coding component permits the capture of E&M service codes associated with a visit. These codes are stored in the V CPT file.



## 17.2 Architecture and Business Process Overview

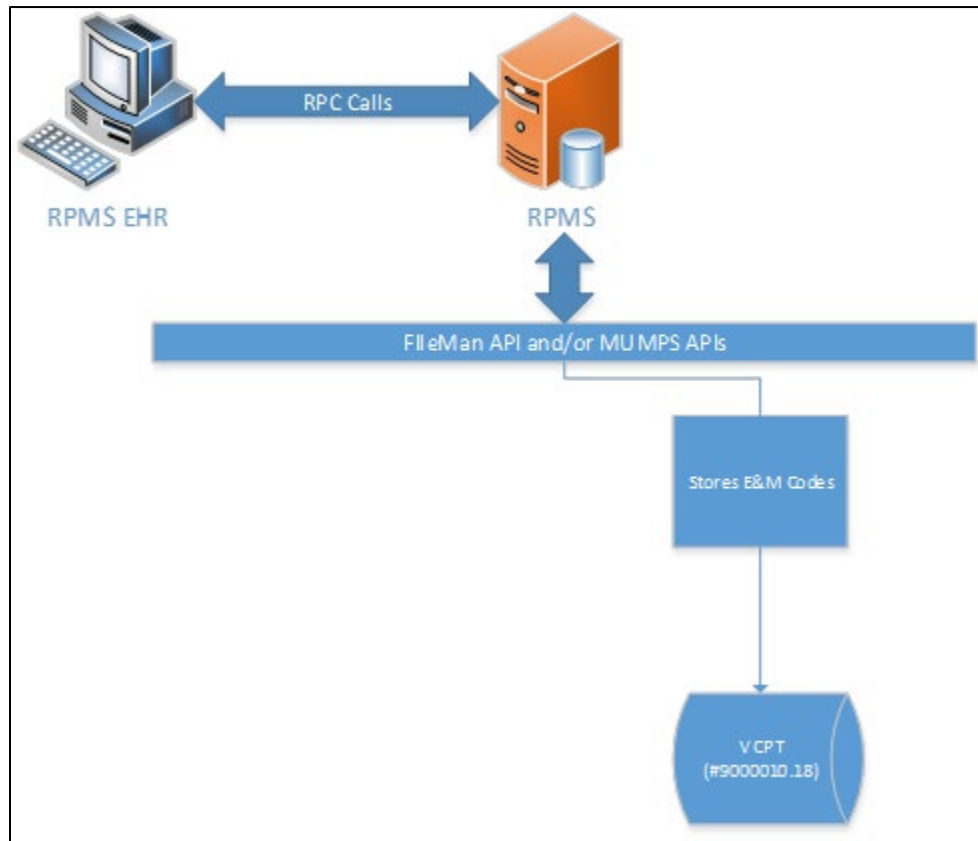


Figure 17-2: Architecture and business process overview

## 17.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOEM.BGOEMCTRL
Class Identifier	{46F491B5-4E6D-4EB5-8055-44A4F0B9B930}
Image File	lhsBgoE&M.ocx
Property Initializations	none
Serializable Properties	none
Required Files	lhsBgoE&M.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no

Entity	Value
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 17.4 Routine Descriptions

This component shares routines with the SuperBill component. Refer to the SuperBill component section for further information.

## 17.5 File List

None.

## 17.6 Cross References

None.

## 17.7 Exported Options

Option	Type	Description
BGO DISABLE E&M EDITING	action	Disable editing of evaluation & management codes.
BGO E&M SUPPRESS CONFIRMATORY	action	Suppress confirmatory E&M codes.
BGO E&M SUPPRESS ER CODES	action	Suppress emergency room E&M codes.
BGO E&M SUPPRESS HOSP CODES	action	Suppress hospital E&M codes.

## 17.8 Exported Security Keys

None.

## 17.9 Exported Protocols

None.

## 17.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE E&M EDITING		Boolean	User, Class	Disable editing of E&M codes.
BGO E&M SUPPRESS CONFIRMATORY		Boolean	User, Class, Division, Package	Suppress confirmatory E&M codes.
BGO E&M SUPPRESS ER CODES		Boolean	User, Class, Division, Package	Suppress emergency room E&M codes.
BGO E&M SUPPRESS HOSP CODES		Boolean	User, Class, Division, Package	Suppress hospital E&M codes.

## 17.11 Exported Mail Groups

None.

## 17.12 Callable Routines

This component shares routines with the SuperBill component. Refer to the SuperBill component section for further information.

## 17.13 External Relations

Entity	Name	Description
File	V CPT (#9000010.18)	Read and write access

## 17.14 Internal Relations

Entity	Name	Description
Component	SuperBill	Shares routines

## 17.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 17.16 Components

This component supports the following properties and methods:

## 17.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 18.0 Exams

### 18.1 Introduction

Visit Date	Exams	Result	Comments	Provider	Location
12/08/2006	BREAST EXAM	ABNORMAL	test2		TUBA CITY INDIAN MEDICAL CTR
12/06/2006	DIABETIC FOOT CHECK	NORMAL/NEGATIVE			
12/04/2006	AUDIOMETRIC SCREENING	ABNORMAL	test3		doug's location
12/03/2006	AUDIOMETRIC THRESHOLD	NORMAL/NEGATIVE			Local Clinic
12/04/2005	BREAST EXAM	REFUSED SERVICE	new comment		

Figure 18-1: Exams component

The Exams component permits viewing, and documenting exams performed in the course of a visit. It stores data in the V EXAM file.

### 18.2 Architecture and Business Process Overview

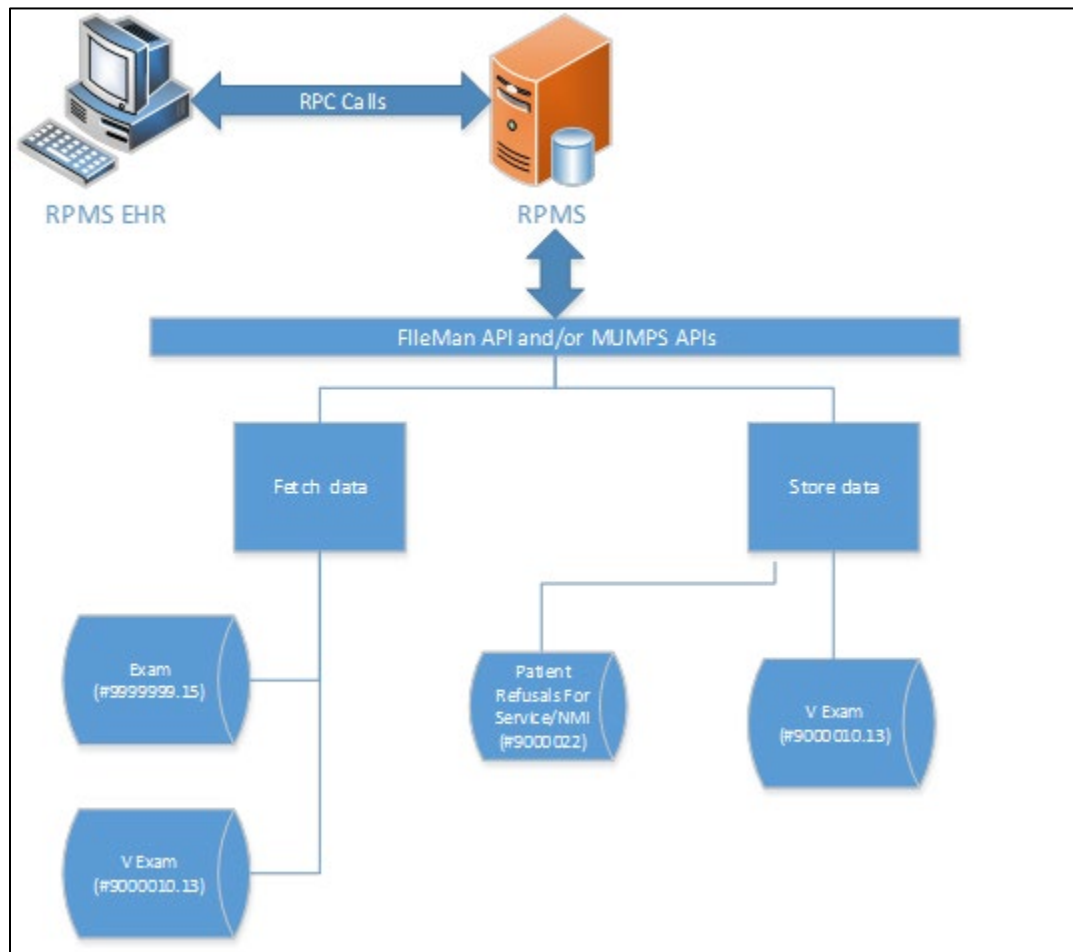


Figure 18-2: Architecture and business process overview

## 18.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOEXAMS.BGOEXAMS
Class Identifier	{2B702069-50E1-4885-8492-1888FF0DB443}
Image File	lhsBgoExams.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL
Required Files	lhsBgoExams.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 18.4 Routine Descriptions

This component has been assigned the namespace designation of BGOVEX. The following routines are distributed:

Routine	Description
BGOVEXAM	Exam documentation support.

## 18.5 File List

None.

## 18.6 Cross References

None.

## 18.7 Exported Options

Option	Type	Description
BGOEXAM MAIN	menu	Exam configuration main menu.
BGO DISABLE EXAM EDITING	action	Disable editing of exam entries.

## 18.8 Exported Security Keys

None.

## 18.9 Exported Protocols

None.

## 18.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE EXAM EDITING		Boolean	User, Class	Disable editing of exam entries.

## 18.11 Exported Mail Groups

None.

## 18.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 18.12.1 RPC: BGOVEXAM DEL

Scope: private

Parameter	Datatype	Description
INP	String	IEN* ^ Type where Type is R if refusal, otherwise null and IEN is the IEN of the refusal or the V EXAM file entry.
<return value>	String	Failure: -n^error text Success: null

Deletes a V EXAM or exam refusal entry.

## 18.12.2 RPC: BGOVEXAM GET

Scope: private

Parameter	Datatype	Description
INP	Pointer (#2)	Patient's internal entry number.
<return value>	String List	Returned as a list of record in one of two formats: For exams: E ^ Exam Name [2] ^ Visit Date [3] ^ Result [4] ^ Comment [5] ^ Provider Name [6] ^ Facility Name [7] ^ Provider IEN [8] ^ Location Name [9] ^ Exam IEN [10] ^ V File IEN [11] ^ Visit IEN [12] ^ Visit Category [13] ^ Visit Locked [14] For refusals: R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Exam IEN [5] ^ Exam Name [6] ^ Provider IEN [7] ^ Provider Name [8] ^ Date [9] ^ Locked [10] ^ Reason [11] ^ Comment [12]

Returns a list of V EXAM and exam refusal records for the specified patient.

## 18.12.3 RPC: BGOVEXAM GETRSLTS

Scope: private

Parameter	Datatype	Description
EXAM	String	IEN (#9999999.15) or Name
<return value>	String List	List of result values for the exam

Returns list of results for given exam.

## 18.12.4 RPC: BGOVEXAM GETTYPES

Scope: private

Parameter	Datatype	Description
<return value>	String List	Returned as a list of records in the format: Exam Type IEN ^ Exam Name ^ Exam Code ^ CPT Code

Returns a list of exam types from the EXAM (#9999999.15) file.



### 18.12.5 RPC: BGOVEXAM PRIPRV

Scope: private

Parameter	Datatype	Description
VXAM	Pointer (#9000010.13)	IEN of the V EXAM entry.
<return value>	String	Returned as: Provider IEN ^ Provider Name ^ V Provider IEN

Returns the primary provider associated with the specified V EXAM entry.

### 18.12.6 RPC: BGOVEXAM SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V Exam IEN (if edit) [1] ^ Exam IEN [2] ^ Visit IEN [3] ^ Provider IEN [4] ^ Result [5] ^ Comment [6] ^ Event Date [7] ^ Location IEN [8] ^ Other Location [9] ^ Historical Flag [10] ^ Patient IEN [11]
<return value>	String	Failure: -n^error text Success: V File IEN

Add/edit a V EXAM entry.

## 18.13 External Relations

Entity	Name	Description
File	V EXAM (#9000010.13)	Read and write access
File	PATIENT REFUSALS FOR SERVICE/NMI (#9000022)	Read and write access
File	EXAM (#9999999.15)	Read access

## 18.14 Internal Relations

None.

## 18.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 18.16 Components

This component supports the following properties and methods:

### 18.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 19.0 Health Factors

### 19.1 Introduction

Health Factors				
Visit Date	Health Factor	Category	Comment	
11/01/2004	Cage 4/4	Alcohol/drug		
12/06/2006	1-oral Agents	Staged		
11/01/2004	Exposure To Environmental Tobacco Smoke	Tobacco	this is a comment	

Figure 19-1: Health Factors component

The Health Factors component permits management of entries in the V HEALTH FACTORS file.

### 19.2 Architecture and Business Process Overview

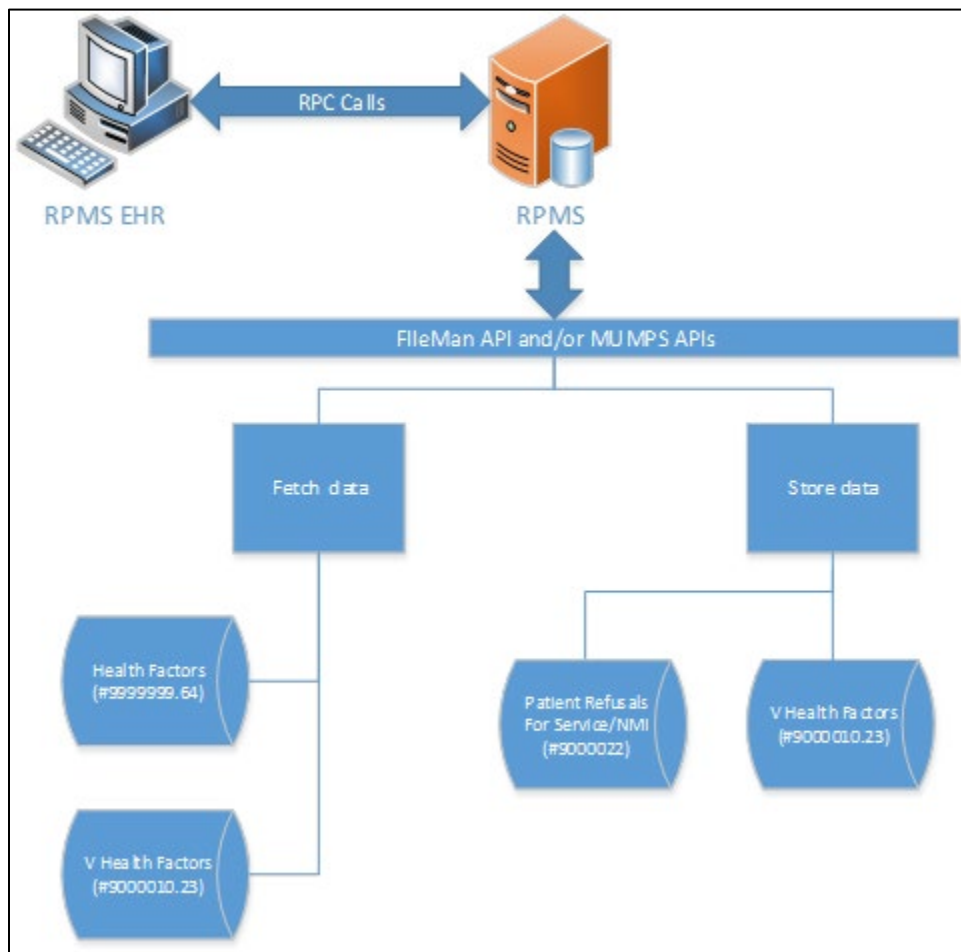


Figure 19-2: Architecture and business process overview

## 19.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOHEALTHFACTORS.BGOHF
Class Identifier	{62B454F8-BDEF-4534-B119-1F30ABE581EB}
Image File	lhsBgoHealthFactors.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL
Required Files	lhsBgoHealthFactors.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 19.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVHF”. The following routines are distributed:

Routine	Description
BGOVHF	Supports management of V HEALTH FACTOR entries.

## 19.5 File List

None.

## 19.6 Cross References

None.

## 19.7 Exported Options

Option	Type	Description
BGOHF MAIN	menu	Health Factor Configuration
BGO DISABLE HF EDITING	action	Disable Health Factor Editing

## 19.8 Exported Security Keys

None.

## 19.9 Exported Protocols

None.

## 19.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE HF EDITING		Boolean	User, Class	Disable editing of health factors.

## 19.11 Exported Mail Groups

None.

## 19.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 19.12.1 RPC: BGOVHF DEL

Scope: private

Parameter	Datatype	Description
INP	Pointer (#9000010.23)	IEN of V HEALTH FACTORS entry.
<return value>	String	Failure: -n^error text Success: null

Deletes the specified V HEALTH FACTORS entry.

### 19.12.2 RPC: BGOVHF GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Learn Only Flag ^ V HF IEN (optional)
<return value>	String List	Returned as a list of records in the format: Category [1] ^ HF Name [2] ^ Visit Date [3] ^ Severity [4] ^ Quantity [5] ^ Visit IEN [6] ^ V File IEN [7] ^ Health Factor Type [8] ^ Comment [9] ^ Visit Locked [10]

Return health factors associated with the specified patient. Optionally, restrict retrieval to a single health factor.

### 19.12.3 RPC: BGOVHF GETTYPES

Scope: private

Parameter	Datatype	Description
INP	Integer	One of: All (default) Learning only
<return value>	String List	Returns a list of records in the format: Name [1] ^ Category Name [2] ^ Gender [3] ^ Type [4] ^ HF Type IEN [5] ^ Quantity Phrase [6] ^ Level Phrase [7]

Returns a list of records from the HEALTH FACTORS (#9999999.64) file.

### 19.12.4 RPC: BGOVHF REFLIST

Scope: private

Parameter	Datatype	Description
INP	String	One of: PAP SMEAR, MAMMOGRAM, or EKG.
<return value>	String	Failure: -n^error text Success: IEN of specified entity

Looks up the specified entry to return the appropriate IEN for storage in the refusal file.

### 19.12.5 RPC: BGOVHF SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: HF Type IEN [1] ^ V File IEN [2] ^ Visit IEN [3] ^ Severity [4] ^ Provider IEN [5] ^ Quantity [6] ^ Comment [7]
<return value>	String	Failure: -n^error text Success: V File IEN

Add/edit a V HEALTH FACTORS entry.

### 19.12.6 RPC: BGOVHF SETREF

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Refusal Type [1] ^ Item IEN [2] ^ Patient IEN [3] ^ Refusal Date [4] ^ Comment [5] ^ Provider IEN [6]
<return value>	String	Failure: -n^error text Success: null

Set a health factor refusal.

## 19.13 External Relations

Entity	Name	Description
File	V HEALTH FACTORS (#9000010.23)	Read and write access
File	PATIENT REFUSALS FOR SERVICE/NMI (#9000022)	Read and write access
File	HEALTH FACTORS (#9999999.64)	Read access

## 19.14 Internal Relations

None.

## 19.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 19.16 Components

This component supports the following properties and methods:

### 19.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.



## 20.0 ICD Pick List

### 20.1 Introduction

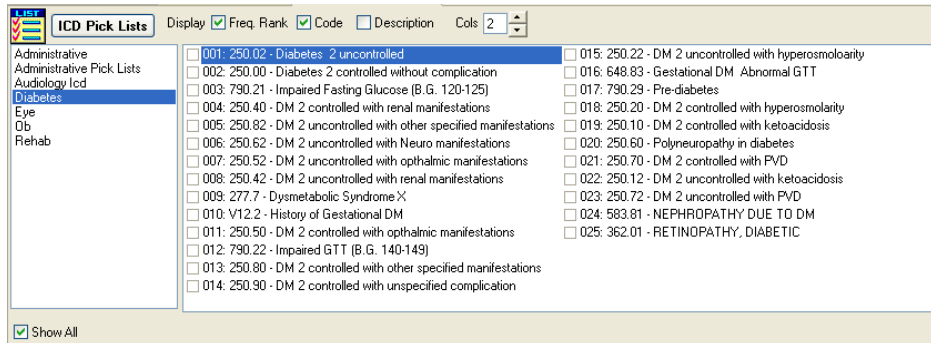


Figure 20-1: ICD Pick List component

The ICD Pick List component facilitates the documentation of diagnoses through the use of configurable pick lists.

### 20.2 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOICPPICKLIST.ICDPICKLIST
Class Identifier	{3E10EFB2-4731-4BC1-A88B-F09FA2FB2432}
Disabled	Yes
Image File	lhsBgolcdPickList.ocx
Property Initializations	None
Serializable Properties	RequireCACKey=BOOL
Required Files	lhsBgolcdPickList.chm
Security Keys	None
Multiple Instances Allowed	Yes
Internal Property Editor	No
All Keys Required	No
Hidden from Property Editor	No
Side-by-Side Versioning	Yes
Service	No
.Net Component	No
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 20.3 Routine Descriptions

This component has been assigned the namespace designation of “BGOICD”. The following routines are distributed:

Routine	Description
BGOICDLK	ICD9 code lookup.
BGOICDPR BGOICDP2	ICD9 pick list support.

## 20.4 File List

The following files are distributed:

### 20.4.1 BGO ICD Preferences (#90362.35)

This file contains ICD9 pick list definitions.

Field Name	#	Datatype	Indexes	Description
NAME	.01	Text	B – Standard	Display name for the pick list.
HOSPITAL LOCATION	.02	Pointer (#44)	AH – Standard AHP – M	Hospital location associated with this pick list.
CLINIC	.03	Pointer (#40.7)	AC – Standard ACP – M	Clinic stop associated with this pick list.
PROVIDER	.04	Pointer (#200)	AP – Standard AHPTOO – M ACPTOO – M	Provider associated with this pick list.
OWNER	.05	Pointer (#200)		Owner of this pick list.
DISCIPLINE	.06	Pointer (#7)	AD - Standard	Provider class associated with this pick list.
ICD DIAGNOSIS	1	Subfile (#90362.351)		ICD9 codes associated with this pick list
MANAGERS	2	Subfile (#90362.352)		Managers associated with this pick list.

**20.4.1.1 ICD DIAGNOSIS subfile (#90362.351)**

Field Name	#	Datatype	Indexes	Description
ICD DIAGNOSIS	.01	Pointer (#80)	B – Standard	ICD9 code associated with this pick list.
DISPLAY TEXT	.02	Text		Display text for this code.
FREQUENCY	.03	Integer	AC – Standard	Frequency count for this code.
DATE UPDATED	.04	Date/Time		Date/time this entry last updated.

**20.4.1.2 MANAGERS subfile (#90362.352)**

Field Name	#	Datatype	Indexes	Description
MANAGERS	.01	Pointer (#200)	B – Standard	Managers associated with this pick list.

**20.5 Cross References**

Cross references are described in the preceding section.

**20.6 Exported Options**

None.

**20.7 Exported Security Keys**

None.

**20.8 Exported Protocols**

None.

**20.9 Exported Parameters**

None.

**20.10 Exported Mail Groups**

None.

## 20.11 Callable Routines

This section describes supported entry points for routines exported with this component.

### 20.11.1 RPC: BGOICDLK ICDLKUP

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Lookup Value [1] ^ Use Lexicon [2] ^ Visit Date [3] ^ Patient Gender [4] ^ ECodes [5] ^ VCodes [6]
<return value>	String List	Multiple records in the format: Descriptive Text^ICD IEN^Narrative Text^ICD Code

Lookup ICD9 text using either the Lexicon Utility or direct lookup.

### 20.11.2 RPC: BGOICDPR CLONE

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Source Category IEN ^ Target Category IEN
<return value>	String	Failure: -n^error text Success: null

Clone a pick list.

### 20.11.3 RPC: BGOICDPR CLONEOTH

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Provider IEN ^ ICD Preference IEN
<return value>	String	Failure: -n^error text Success: null

Clone a pick list from the VEN EHP ICD PREFERENCES (#19707.1) file.

## 20.11.4 RPC: BGOICDPR GETCATS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Hospital Location IEN [2] ^ Provider IEN [3] ^ Manager IEN [4] ^ Show All [5]
<return value>	String List	Returns a list of records in the format: Category Name [1] ^ Category IEN [2] ^ Hosp Loc Name [3] ^ Hosp Loc IEN [4] ^ Clinic Stop Name [5] ^ Clinic Stop IEN [6] ^ Provider Name [7] ^ Provider IEN [8] ^ Owner Name [9] ^ Owner IEN [10] ^ Provider Class Name [11] ^ Provider Class IEN [12]

Return pick lists matching specified criteria.

## 20.11.5 RPC: BGOICDPR GETITEMS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Group [2] ^ Visit IEN [3] ^ Display Freq Order [4]
<return value>	String List	Failure: -n^error text Success: List of records in the format ICD9 IEN [1] ^ ICD9 Code [2] ^ ICD9 Text [3] ^ Short Text [4] ^ Freq [5] ^ VPOV IEN [6] ^ Rank [7] ^ Pref IEN [8] ^ Long Text [9]

Returns a list of ICD9 entries associated with the specified pick list.

## 20.11.6 RPC: BGOICDPR GETLNAME

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#80)	IEN of ICD9 code
<return value>	String	Long text associated with the specified ICD9 entry.

Returns the long text associated with the specified ICD9 code.

### 20.11.7 RPC: BGOICDPR GETMGRS

Scope: private

Parameter	Datatype	Description
CAT	Pointer (#90362.35)	IEN of pick list.
<return value>	String List	List of records in the format: Provider Name ^ Provider IEN

Returns a list of managers associated with the specified pick list.

### 20.11.8 RPC: BGOICDPR OTHCATS

Scope: private

Parameter	Datatype	Description
<return value>	String List	List of records in the format: Provider Name ^ Provider IEN

Returns a list of PCC+ providers.

### 20.11.9 RPC: BGOICDPR QUERY

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Provider IEN [2] ^ Clinic IEN [3] ^ Provider Class [4] ^ Hospital Location [5] ^ Start Date [6] ^ End Date [7] ^ Max Hits [8]
<return value>	String	Failure: -n^error text Success: null

Execute a query to update frequencies in a pick list.

### 20.11.10 RPC: BGOICDPR SETCAT

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ ICD IEN [2] ^ Display Text [3] ^ Delete [4] ^ ICD Code [5] ^ Frequency [6] ^ Allow Dups [7] ^ Item IEN [8]
<return value>	String	Failure: -n^error text Success: IEN of category

Set field values for the specified pick list.

### 20.11.11 RPC: BGOICDPR SETFREQ

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ ICD IEN [2] ^ Increment [3] ^ Frequency [4]
<return value>	String	Failure: -n^error text Success: null

Update frequency for a pick list item.

### 20.11.12 RPC: BGOICDPR SETITEM

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ ICD IEN [2] ^ Display Text [3] ^ Delete [4] ^ ICD Code [5] ^ Frequency [6] ^ Allow Dups [7] ^ Item IEN [8]
<return value>	String	Failure: -n^error text Success: null

Set field values for a pick list item.

### 20.11.13 RPC: BGOICDPR SETMGR

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Manager IEN [2] ^ Add [3]
<return value>	String	Failure: -n^error text Success: null

Add or remove a manager from a pick list.

## 20.11.14 RPC: BGOICDPR SETNAME

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Item IEN [2] ^ Display Name [3]
<return value>	String	Failure: -n^error text Success: null

Set display name for a pick list item.

## 20.12 External Relations

Entity	Name	Description
File	VEN EHP ICD PREFERENCES (#19707.1)	Read access

## 20.13 Internal Relations

None.

## 20.14 Archiving and Purging

There are no archiving or purging requirements within this software.

## 20.15 Components

This component supports the following properties and methods:

### 20.15.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent



Property	Datatype	Access	Description
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
REQUIRECACKKEY	Boolean	RW	If true, the BGOZ CAC security key is required to edit pick lists.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 21.0 Immunizations

### 21.1 Introduction

**Immunization Record**

**Forecast**

Td-ADULT	due
HEP A ADLT	past due

**Contraindications**

CHOLERA	Anaphylaxis	12-Jun-2007
---------	-------------	-------------

**Vaccinations**

Print Record Due Letter Profile Case Data Add Edit Delete

Vaccine	Visit Date	Age@Visit	Location	Reaction	Volume	Inj. Site	Lot	VIS Date	Administerd By
Td-ADULT	09/25/1996	61 yrs	DEMO HOSPITAL						
HEP A	03/17/1995	59 yrs	Home						
HEP A	03/30/1995	59 yrs	Home						
HEP A	04/20/1995	60 yrs	Home						

Figure 21-1: Immunization Record component

The Immunizations component permits the documentation of immunizations, immunization refusals, and contraindications. It also provides an interface to the immunization forecaster.

## 21.2 Architecture and Business Process Overview

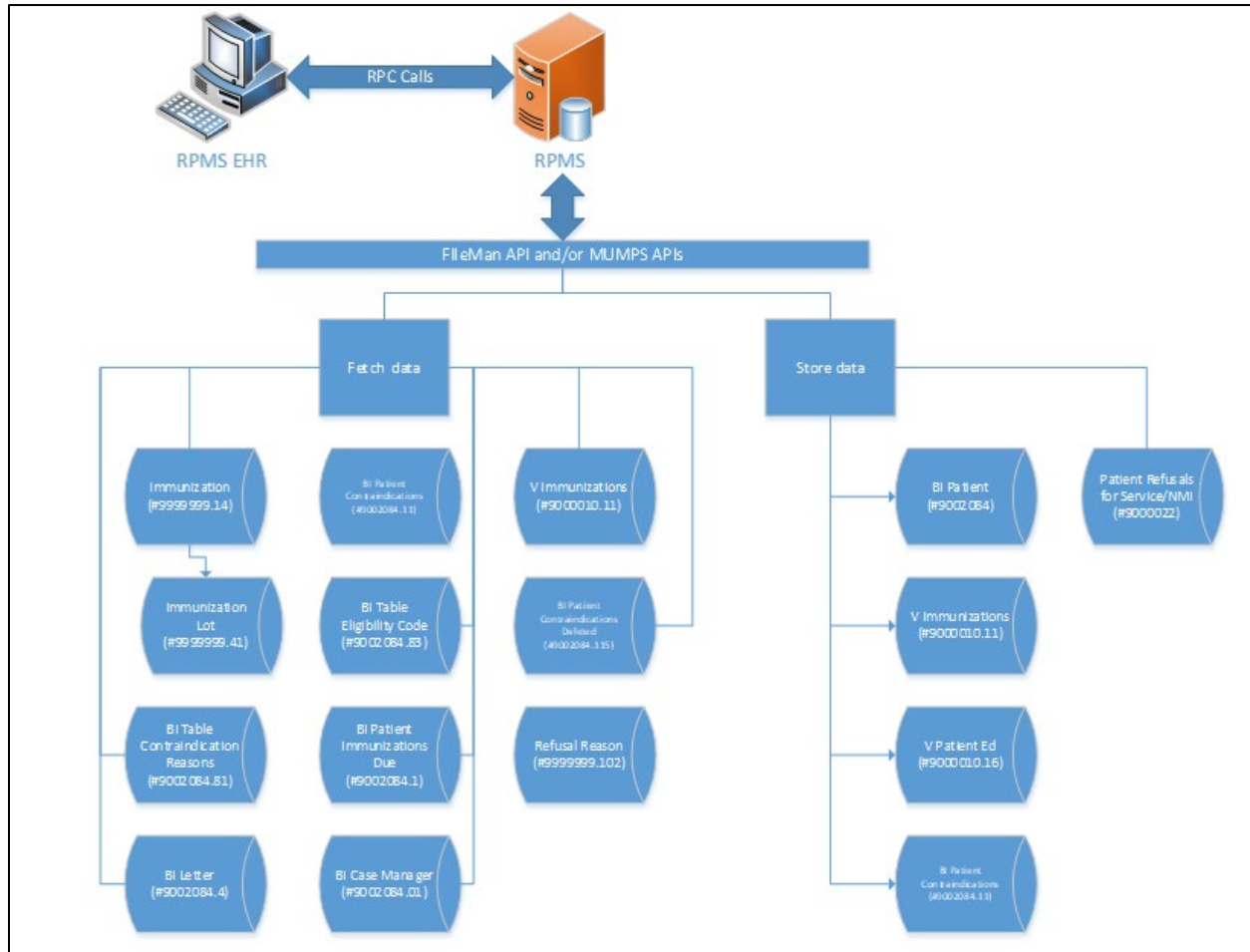


Figure 21-2: Architecture and business process overview

## 21.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOIMMUNIZATION.BGOIMM
Class Identifier	{631C61F1-FF11-467D-9391-EFA4694BA425}
Image File	lhsBgoImmuneization.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL
Required Files	lhsBgoImmuneization.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no

Entity	Value
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 21.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVIM”. The following routines are distributed:

Routine	Description
BGOVIMM BGOVIMM2 BGOVIMM4 BGOVIMM5	Immunization support

## 21.5 File List

None.

## 21.6 Cross References

None.

## 21.7 Exported Options

Option	Type	Description
BGOIMM MAIN	menu	Immunization configuration main menu.
BGO DISABLE IMM EDITING	action	Disable editing of immunizations.
BGO IMM STOP ADDING CPT CODES	Action	Stop immunizations from adding CPT codes.
BGO IMM STOP ADDING ICD CODES	action	Stop immunizations from adding ICD codes.

## 21.8 Exported Security Keys

None.

## 21.9 Exported Protocols

None.

## 21.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE IMM EDITING		Boolean	User, Class	Disable editing of immunizations.
BGO IMM STOP ADDING ICD CODES		Boolean	User, Division, Package	Stop immunizations from adding ICD codes.
BGO IMM REGISTRY ON		Boolean	Division, System	Enable/Disable retrieval of state registry data
BGO IMM STATE REGISTRY		List	User, Division, System	List of states separated by semi-colon which RPMS exchanges data.

## 21.11 Exported Mail Groups

None.

## 21.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 21.12.1 RPC: BGOVIMM DEL

Scope: private

Parameter	Datatype	Description
VIMM	Pointer (#9000010.11)	V IMMUNIZATION IEN
<return value>	String	Failure: -n^error text Success: null

Delete a V IMMUNIZATION entry.

## 21.12.2 RPC: BGOVIMM DELCONT

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#9002084.11)	BI PATIENT CONTRAINDICATIONS IEN
<return value>	String	Failure: -n^error text Success: null

Delete an immunization contraindication from the BI PATIENT CONTRAINDICATIONS (#9002084.11) file.

## 21.12.3 RPC: BGOVIMM GET

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#200)	Patient IEN
<return value>	String List	Returned as a list of records in one of the following formats: For an immunization: I ^ Imm Name [2] ^ Visit Date [3] ^ V File IEN [4] ^ Other Location [5] ^ Group [6] ^ Imm IEN [7] ^ Lot [8] ^ Reaction [9] ^ VIS Date [10] ^ Age [11] ^ Visit Date [12] ^ Provider IEN~Name [13] ^ Inj Site [14] ^ Volume [15] ^ Visit IEN [16] ^ Visit Category [17] ^ Full Name [18] ^ Location IEN~Name [19] ^ Visit Locked [20] For an immunization forecast: F ^ Imm Name [2] ^ Status [3] For a contraindication: C ^ Contra IEN [2] ^ Imm Name [3] ^ Reason [4] ^ Date [5] For a refusal: R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Item IEN [5] ^ Item Name [6] ^ Provider IEN [7] ^ Provider Name [8] ^ Date [9] ^ Locked [10] ^ Reason [11] ^ Comment [12]

Get immunization history for the specified patient. Returns immunizations, forecast information, contraindications, and refusals.

### 21.12.4 RPC: BGOVIMM GETCASE

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#200)	Patient IEN
<return value>	String List	List of records containing requested case data.

Retrieves case data from the BI PATIENT (9002084) file.

### 21.12.5 RPC: BGOVIMM GETCONT

Scope: private

Parameter	Datatype	Description
<return value>	String List	List of records of the format: IEN ^ Name

Retrieves immunization contraindication reasons from the BI TABLE CONTRA REASON (#9002084.81) file.

### 21.12.6 RPC: BGOVIMM GETVFC

Scope: private

Parameter	Datatype	Description
INP	Pointer (#2)	Patient's internal entry number
<return value>	String	List of records of the format: IHS (Y/N)^AGE^DEFAULT

Retrieves whether patient is an IHS patient, age of patient and default VFC.

### 21.12.7 RPC: BGOVIMM LOADIMM

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Immunization Type IEN

Parameter	Datatype	Description
<return value>	String List	Failure: -n^error text Success: First record: Default Lot # [1] ^ Default Volume [2] ^ Default VIS Date [3] Subsequent records: Contraindication IEN [1] ^ Contraindication Text [2] ^ Date Noted [3]

Retrieve the patient's immunization defaults and contraindications.

### 21.12.8 RPC: BGOVIMM LOT

Scope: private

Parameter	Datatype	Description
IMM	Pointer (#99999999.14)	IMMUNIZATION file IEN
<return value>	String List	Returned as a list of records in the format: Lot IEN ^ Name ^ Manufacturer

Retrieve lot numbers associated with a vaccine.

### 21.12.9 RPC: BGOVIMM PRINT

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Letter IEN [2] ^ Text of Date/Location Line [3] ^ Forecast Date [4]
<return value>	String List	Text of the immunization letter.

Return the specified immunization letter with all imbedded references fully resolved.

### 21.12.10 RPC: BGOVIMM PRIPRV

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#9000010.11)	V IMMUNIZATION IEN
<return value>	String	Returned as: Provider IEN ^ Provider Name ^ V Provider IEN



Returns the primary provider associated with the specified V IMMUNIZATION entry.

### 21.12.11 RPC: BGOVIMM PROFILE

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String List	Failure: -n^error text Success: Text of report

Returns the patient's immunization profile.

### 21.12.12 RPC: BGOVIMM SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Visit IEN [1] ^ Historical [2] ^ Patient IEN [3] ^ Imm IEN [4] ^ V File IEN [5] ^ Provider IEN [6] ^ Location [7] ^ Other Location [8] ^ Imm Date [9] ^ Lot # [10] ^ Reaction [11] ^ VIS Date [12] ^ Dose Override [13] ^ Inj Site [14] ^ Volume [15]
<return value>	String	Failure: -n^error text Success: V File IEN

Add/edit a V IMMUNIZATION entry.

### 21.12.13 RPC: BGOVIMM SETCONT

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Vaccine IEN [2] ^ Contraindication IEN [3] ^ Visit Date [4]
<return value>	String	Failure: -n^error text Success: Contraindication IEN

Add a contraindication.

## 21.12.14 RPC: BGOVIMM SETREG

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Case Manager IEN [2] ^ Parent [3] ^ Other Info [4] ^ Activate Flag [5] ^ Inactive Date [6] ^ Inactive Reason [7] ^ Tx Location [8] ^ Forecast Inf/Pneu [9] ^ Mother HBSAg Status [10]
<return value>	String	Failure: -n^error text Success: null

Add/edit patient immunization registry entry.

## 21.12.15 RPC: BGOVIMM2 GETELIG

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's internal entry number
<return value>	String List	List of records of the format: IEN ^ Code^Label^Local text

Returns list of active eligibilities for an immunization.

## 21.12.16 RPC: BGOVIMM4 FORECAST

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
STATE	String	Text name of state
<return value>	String List	List of items with name and due tag

## 21.12.17 RPC: BGOVIMM4 GETALL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
STATE	Free Text	State abbreviation

Parameter	Datatype	Description
<return value>	String List	Array of immunization items from RPMS and state registries

### 21.12.18 RPC: BGOVIMM4 QUERY

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String	Failure: 0^error text Success: Text of return message

### 21.12.19 RPC: BGOVIMM5 DTERUN

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String	Returns latest date the state data was found in FileMan format.

### 21.12.20 RPC: BGOVIMM5 STATEPRO

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
STATE	String	Abbreviation of State
<return value>	String List	Report data

## 21.13 External Relations

Entity	Name	Description
File	IMMUNIZATION (#9999999.14)	Read access
File	V IMMUNIZATION (#9000010.11)	Read and write access
File	BI PATIENT (#9002084)	Read access
File	BI SITE (#9002084.02)	Read access

Entity	Name	Description
File	BI TABLE ELIGIBILITY CODES (#9002084.83)	Read access
File	BI PATIENT CONTRAINDICATIONS (#9002084.11)	Read and write access
File	BI TABLE CONTRA REASON (#9002084.81)	Read access
File	PATIENT REFUSALS FOR SERVICE/NMI (#9000022)	Read and write access
Package	IMMUNIZATION 8.5	Uses the following supported API calls: VER^BILOGO IMMFORC^BIRPC CONTRAS^BIRPC5 IMMHX^BIRPC ADDPAT^BIPATE IMMPROF^BIRPC BUILD^BILETPR1

## 21.14 Internal Relations

Entity	Name	Description
Component	V CPT	Supported API calls.
Component	V POV	Supported API calls.

## 21.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 21.16 Components

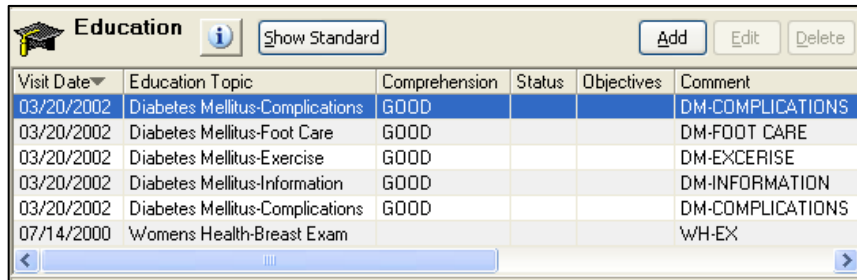
This component supports the following properties and methods:

## 21.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
LOOKUPACTIVELOTSONLY	Boolean	RW	If true, limits selection of lot numbers to active lots only.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 22.0 Patient Education

### 22.1 Introduction



Visit Date	Education Topic	Comprehension	Status	Objectives	Comment
03/20/2002	Diabetes Mellitus-Complications	GOOD			DM-COMPLICATIONS
03/20/2002	Diabetes Mellitus-Foot Care	GOOD			DM-FOOT CARE
03/20/2002	Diabetes Mellitus-Exercise	GOOD			DM-EXCERISE
03/20/2002	Diabetes Mellitus-Information	GOOD			DM-INFORMATION
03/20/2002	Diabetes Mellitus-Complications	GOOD			DM-COMPLICATIONS
07/14/2000	Womens Health-Breast Exam				WH-EX

Figure 22-1: Patient Education component

The Patient Education component permits capturing patient education activities conducted during a patient encounter.

## 22.2 Architecture and Business Process Overview

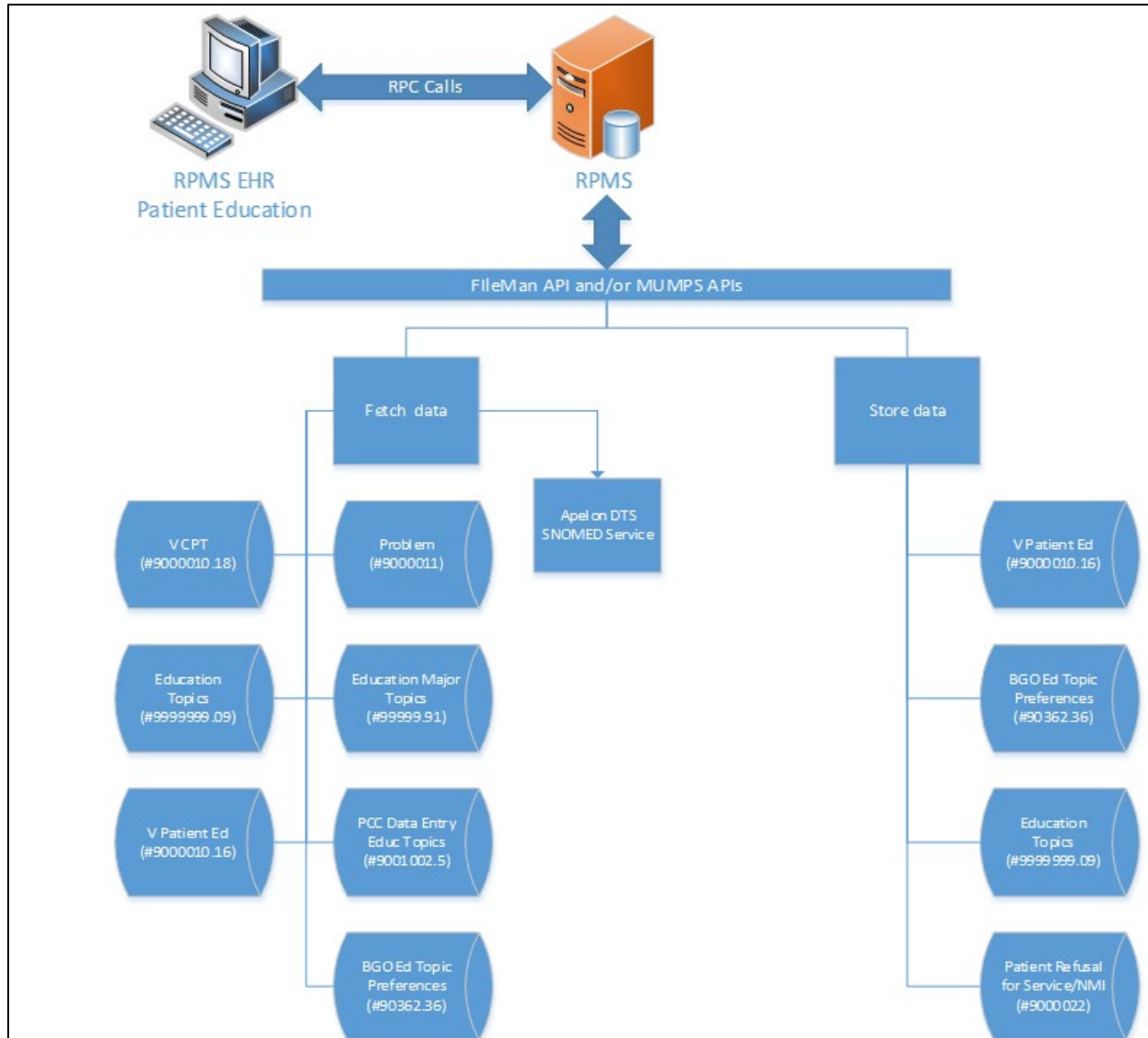


Figure 22-2: Architecture and business process overview

## 22.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOPATIENTED.BGOPATED
Class Identifier	{CD0B03AE-F9AC-465C-A9FC-FAF42C8A5FB2}
Image File	lhsBgoPatientED.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL

Entity	Value
Required Files	lhsBgoPatientEd.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 22.4 Routine Descriptions

This component has been assigned the namespace designations of “BGOVPED” and “BGOEDT”. The following routines are distributed:

Routine	Description
BGOVPED BGOVPED2	Support for patient education.
BGOEDTPR BGOEDTP2	Support for patient education pick lists.

## 22.5 File List

The following files are distributed:

### 22.5.1 BGO ED Topic Preferences (#90362.36)

This file contains education topic pick list definitions.

Field Name	#	Datatype	Indexes	Description
NAME	.01	Text	B – Standard	Display name for the pick list.
HOSPITAL LOCATION	.02	Pointer (#44)	AH – Standard AHP – M	Hospital location associated with this pick list.
CLINIC	.03	Pointer (#40.7)	AC – Standard ACP – M	Clinic stop associated with this pick list.



Field Name	#	Datatype	Indexes	Description
PROVIDER	.04	Pointer (#200)	AP – Standard AHPTOO – M ACPTOO – M	Provider associated with this pick list.
OWNER	.05	Pointer (#200)		Owner of this pick list.
DISCIPLINE	.06	Pointer (#7)	AD – Standard	Provider class associated with this pick list.
EDUCATION TOPIC	1	Subfile (#90362.361)		Education topics associated with this pick list
MANAGERS	2	Subfile (#90362.362)		Managers associated with this pick list.

### 22.5.1.1 ICD DIAGNOSIS subfile (#90362.361)

Field Name	#	Datatype	Indexes	Description
EDUCATION TOPIC	.01	Pointer (#9999999.09)	B – Standard	Education topic associated with this pick list.
DISPLAY TEXT	.02	Text		Display text for this code.
FREQUENCY	.03	Integer	AC – Standard	Frequency count for this code.

### 22.5.1.2 MANAGERS subfile (#90362.362)

Field Name	#	Datatype	Indexes	Description
MANAGERS	.01	Pointer (#200)	B – Standard	Managers associated with this pick list.

## 22.6 Cross References

Cross references are described in the preceding section.

## 22.7 Exported Options

Option	Type	Description
BGOPTED MAIN	menu	Patient education configuration menu.
BGO DISABLE PAT EDU EDITING	action	Disable patient education editing.

## 22.8 Exported Security Keys

None.

## 22.9 Exported Protocols

None.

## 22.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE PAT EDU EDITING		Boolean	User, Class	Disable patient education editing.

## 22.11 Exported Mail Groups

None.

## 22.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 22.12.1 RPC: BGOEDTPR CLONE

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Pref IEN (from) ^ Pref IEN (to)
<return value>	String	Failure: -n^error text Success: null

Clone a pick list.

### 22.12.2 RPC: BGOEDTPR GETCATS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Hospital Location IEN [2] ^ Provider IEN [3] ^ Manager IEN [4] ^ Show All [5]

Parameter	Datatype	Description
<return value>	String List	Returns a list of records in the format: Category Name [1] ^ Category IEN [2] ^ Hosp Loc Name [3] ^ Hosp Loc IEN [4] ^ Clinic Stop Name [5] ^ Clinic Stop IEN [6] ^ Provider Name [7] ^ Provider IEN [8] ^ Owner Name [9] ^ Owner IEN [10] ^ Provider Class Name [11] ^ Provider Class IEN [12]

Returns a list of pick lists matching the specified criteria.

### 22.12.3 RPC: BGOEDTPR GETITEMS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Group [2] ^ Visit IEN [3] ^ Display Freq Order [4]
<return value>	String List	Returns a list of records in the format: Topic IEN [1] ^ Topic Text [2] ^ Freq [3] ^ VPED IEN [4] ^ Rank [5] ^ Item IEN [6]

Returns a list of education topics for the specified pick list.

### 22.12.4 RPC: BGOEDTPR GETLNAME

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#9999999.09)	Education topic IEN
<return value>	String	Long name for topic.

Return a long name for an education topic.

### 22.12.5 RPC: BGOEDTPR GETMGRS

Scope: private

Parameter	Datatype	Description
CAT	Pointer (#90362.36)	Pick list IEN
<return value>	String List	List of records in the format: Provider Name ^ Provider IEN

Returns a list of managers for the specified pick list.

## 22.12.6 RPC: BGOEDTPR QUERY

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Provider IEN [2] ^ Clinic IEN [3] ^ Provider Class [4] ^ Hospital Location [5] ^ Start Date [6] ^ End Date [7] ^ Max Hits [8]
<return value>	String	Failure: -n^error text Success: null

Execute a query to update frequencies for pick list items.

## 22.12.7 RPC: BGOEDTPR SETCAT

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Name [1] ^ Hosp Loc [2] ^ Clinic [3] ^ Provider [4] ^ User [5] ^ Category IEN [6] ^ Delete [7] ^ Discipline [8]
<return value>	String	Failure: -n^error text Success: IEN of category

Sets values for pick list fields.

## 22.12.8 RPC: BGOEDTPR SETFREQ

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Item Value [2] (defaults to all) ^ Increment [3] ^ Frequency [4]
<return value>	String	Failure: -n^error text Success: null

Sets the frequency for a pick list item.

## 22.12.9 RPC: BGOEDTPR SETITEM

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Education Topic IEN [2] ^ Display Text [3] ^ Delete [4] ^ Mnemonic [5] ^ Frequency [6] ^ Allow Dups [7] ^ Item IEN [8]
<return value>	String	Failure: -n^error text Success: null

Set field values for a pick list item.

## 22.12.10 RPC: BGOEDTPR SETMGR

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Manager IEN [2] ^ Add [3]
<return value>	String	Failure: -n^error text Success: null

Add or remove a manager from a pick list.

## 22.12.11 RPC: BGOEDTPR SETNAME

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Category IEN [1] ^ Item IEN [2] ^ Display Name [3]
<return value>	String	Failure: -n^error text Success: null

Set the display name for a pick list item.

## 22.12.12 RPC: BGOVPED DEL

Scope: private

Parameter	Datatype	Description
VPED	Pointer (#9000010.16)	IEN of V PATIENT ED entry

Parameter	Datatype	Description
<return value>	String	Failure: -n^error text Success: null

Delete a patient education entry.

### 22.12.13 RPC: BGOVPED GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Visit IEN If Visit IEN is not specified, all V File entries for the patient are returned. Otherwise, only entries for the specified visit are returned.
<return value>	String List	Returned as list of records in format: Topic Name [1] ^ Visit Date [2] ^ Level [3] ^ Provider Name [4] ^ Group/Individual [5] ^ Length [6] ^ CPT [7] ^ Comment [8] ^ Topic Category [9] ^ Behavior [10] ^ Objective Met [11] ^ Visit Locked [12] ^ Location Name [13] ^ VFile IEN [14] ^ Visit IEN [15] ^ Topic IEN [16] ^ Location IEN [17] ^ Provider IEN [18] ^ Visit Category [19] ^ ICD9 [20] ^ Comments [21] ^ ICD9 IEN [22] ^ CPT IEN [23]

Get patient education records associated with the specified visit or for all visits.

### 22.12.14 RPC: BGOVPED GETNAME

Scope: private

Parameter	Datatype	Description
EDT	Pointer (#9999999.09)	IEN of EDUCATION TOPICS entry.
<return value>	String	Descriptive text. This will be the name of the associated major topic, ICD9 code, or CPT4 code, whichever is found first.

Get descriptive text associated with education topic.

## 22.12.15 RPC: BGOVPED GETOS

Scope: private

Parameter	Datatype	Description
EDT	Pointer (#9999999.09)	IEN of EDUCATION TOPICS entry.
<return value>	String List	Report text conveying outcome and standard guidelines.

Return outcome and standard guidelines for an education topic.

## 22.12.16 RPC: BGOVPED GETTOPIC

Scope: private

Parameter	Datatype	Description
<return value>	String List	Returned as a list of records in the format: IEN of PCC Education Topic ^ Name of PCC Education Topic

Returns a list of PCC education topics from the PCC DATA ENTRY EDUC TOPICS (#9001002.5) file.

## 22.12.17 RPC: BGOVPED GETTYPES

Scope: private

Parameter	Datatype	Description
INP	Integer	One of: 0 = Category, 1 = Diagnosis, 2 = Non-diagnosis
<return value>	String List	Returned as a list of records in the format: Name [1] ^ Category Name [2] ^ ICD IEN [3] ^ ICD Name [4] ^ Education Topic IEN [5] ^ Type [6]

Returns a list of education topics from the EDUCATION TOPICS (#9999999.09) file.

## 22.12.18 RPC: BGOVPED PRIPRV

Scope: private

Parameter	Datatype	Description
VPED	Pointer (#9000010.16)	IEN of V PATIENT ED entry
<return value>	String	Returned as: Provider IEN ^ Provider Name ^ V Provider IEN

Returns the primary provider associated with the specified V PATIENT ED entry.

### 22.12.19 RPC: BGOVPED SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VFile IEN [1] ^ Topic [2] ^ Patient IEN [3] ^ Visit IEN [4] ^ Provider IEN [5] ^ Level Understanding [6] ^ Individual/Group [7] ^ Length [8] ^ CPT [9] ^ Comment [10] ^ Behavior Code [11] ^ Objectives [12] ^ Event Date [13] ^ Location IEN [14] ^ Other Location [15] ^ Historical [16] ^ Readiness [17]
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit a V PATIENT ED entry.

### 22.12.20 RPC: BGOVPED SETDXTOP

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: ICD9 IEN ^ EDC IEN
<return value>	String	Failure: -n^error text Success: Education Topic IEN^Education Topic Name

Sets/returns diagnostic-based education topic.

### 22.12.21 RPC: BGOVPED SETPXTOP

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: CPT4 IEN ^ EDC IEN
<return value>	String	Failure: -n^error text Success: Education Topic IEN^Education Topic Name

Sets/returns procedure-based education topic.



## 22.12.22 RPC: BGOVPED SETSNTOP

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: SNOMED CT ^ EDC IEN
<return value>	String	Failure: -n^error text Success: Education Topic IEN^Education Topic Name

Sets/returns SNOMED-based education topic.

## 22.12.23 RPC: BGOVPED2 FIND

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Name of education topic with ICD9-type or major topic-type Examples: 250.00-Medications, Laboratory-Literature
<return value>	String	Failure: 0 if not found Success: IEN of education topic

Returns IEN of found or created education topic.

## 22.12.24 RPC: BGOVPED2 GETPROBS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: DFN^Visit IEN^Orderable Item IEN^SNOMED Flag
<return value>	StringList	List of Problems/POVs

Returns Problem/POV list for Patient Education.

## 22.12.25 RPC: BGOVPED2 GETVPED

Scope: private

Parameter	Datatype	Description
VIEN	Integer	IEN to Visit File

Parameter	Datatype	Description
<return value>	StringList	Formatted as such: Problem IEN^Topic^Date entered^Provider IEN^Provider Name

Returns a list of education topics for the indicated visit that are problem connected.

### 22.12.26 RPC: BGOVPED2 PROBEDU

Scope: private

Parameter	Datatype	Description
PAT	String	Specified as: DFN^VIEN
INP	String	Specified as: Comprehension^Length^Readiness^Number
EDU	StringList	Specified as: PROB IEN^SNOMED CONCENPT CT^Topic
<return value>	String	Failure: -n^error text Success: List of IENS stored separated by '^'

Stores a list of education codes for a patient/visit.

### 22.12.27 RPC: BGOVPED2 TOPIC

Scope: private

Parameter	Datatype	Description
<return value>	StringList	Formatted as: Count^Text^Mnemonic

Returns list of PCC Education topics from the BGO PROBLEM EDUCATION parameter.

## 22.13 External Relations

Entity	Name	Description
File	BGO ED TOPIC PREFERENCES (#90362.36)	Read and write access
File	PCC DATA ENTRY EDUC TOPICS (#9001002.5)	Read access
File	Education Major Topics (#99999.91)	Read access
File	EDUCATION TOPICS (#9999999.09)	Read and write access

Entity	Name	Description
File	PATIENT REFUSALS FOR SERVICE/NMI (#9000022)	Write access
File	Problem (#9000011)	Read access
File	V CPT (#9000010.18)	Read access
File	V PATIENT ED (#9000010.16)	Read and write access

## 22.14 Internal Relations

Entity	Name	Description
Package	BGO COMPONENTS	Uses supported API calls.

## 22.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 22.16 Components

This component supports the following properties and methods:

### 22.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
REQUIRECACKKEY	Boolean	RW	If true, the BGOZ CAC security key is required to edit pick lists.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 23.0 POV History

### 23.1 Introduction


 <b>Historical Diagnosis</b> <span style="float: right;"> <input type="button" value="Add to PL"/> <input type="button" value="Set as Today's POV"/> </span>				
Visit Date	POV Narrative	ICD	ICD Name	Facility
05/31/2007	DERMATOMYOSITIS - REMICADE INFUSION	710.3	Dermatomyositis	Demo Hospital
05/31/2007	OPEN ANGLE GLAUCOMA	365.10	Open-angle Glaucoma Nos	Demo Hospital
01/21/2004	RECTAL EXAM	V72.85	Examination,nec	Demo Hospital
01/21/2004	SCREENING MAMMOGRAM	V76.10	Screen For Malign/breast,unspec	Demo Hospital

Figure 23-1: POV History component

The POV History component permits the viewing of past purpose of visit entries.

### 23.2 Architecture and Business Process Overview

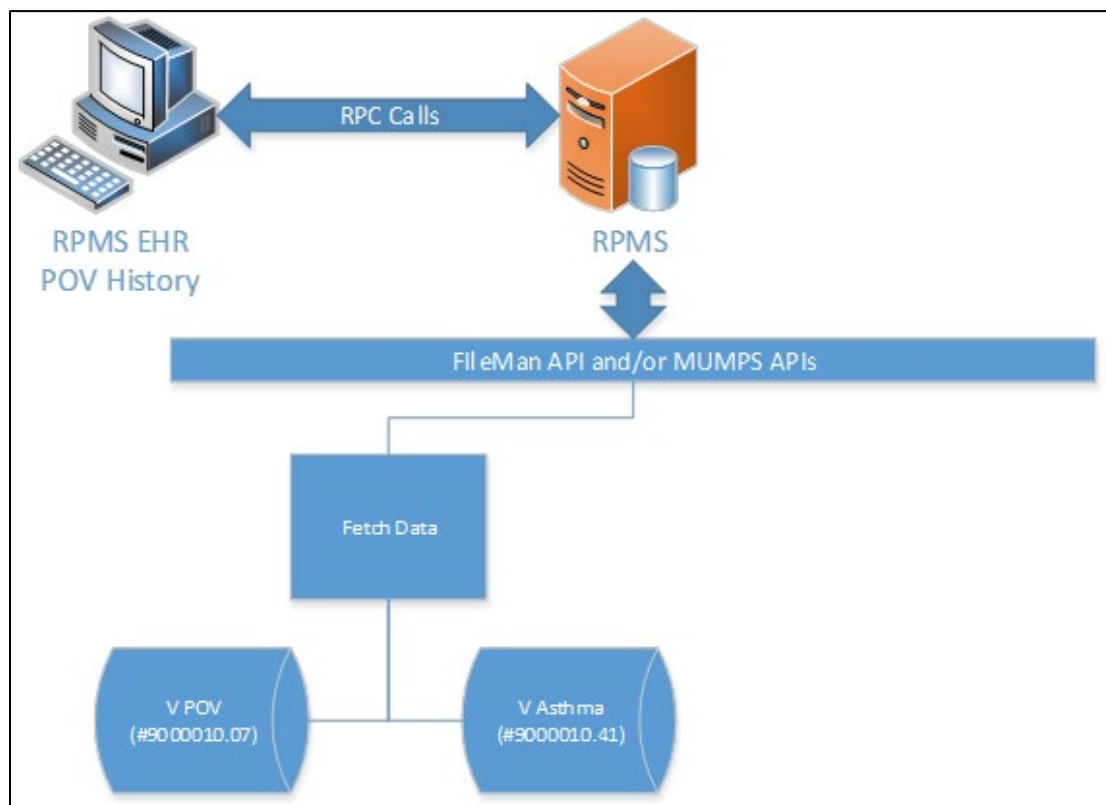


Figure 23-2: Architecture and business process overview

## 23.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOPOVHISTORY.BGOPOVHISTORY
Class Identifier	{AE82C827-D8CE-4B89-A1B7-6D93A2B5137D}
Image File	lhsBgoPovHistory.ocx
Property Initializations	none
Serializable Properties	none
Required Files	lhsBgoPovHistory.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 23.4 Routine Descriptions

This component shares routines with the Visit Diagnosis component. Refer to the component section for a description of routines.

## 23.5 File List

None.

## 23.6 Cross References

None.

## 23.7 Exported Options

Option	Type	Description
BGO POV HIST MAX ENTRIES	action	Set maximum entries shown in POV history.

## 23.8 Exported Security Keys

None

## 23.9 Exported Protocols

None.

## 23.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO POV HIST MAX ENTRIES		Integer	User, Class, Division, Package	The maximum number of entries (25-250) to display in POV History

## 23.11 Exported Mail Groups

None.

## 23.12 Callable Routines

This component shares routines with the Visit Diagnosis component. See that component for a description of callable routines.

## 23.13 External Relations

See Visit Diagnosis component.

## 23.14 Internal Relations

Entity	Name	Description
Component	Visit Diagnosis	Uses supported APIs.

## 23.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 23.16 Components

This component supports the following properties and methods:

## 23.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.



## 24.0 Procedure Viewer

### 24.1 Introduction

Visit Date	CPT Code	Description	Facility	Qty	Diagnosis	Prim	Modifier 1
01/21/2004	G0202	SCR MAMMO PRODUC DIR DIGTL IMAG BI	Demo Hospital	1			
01/16/2004	99397	PREV VISIT, EST, 65 & OVER	Demo Hospital	1			
01/12/2004	97110	THERAPEUTIC EXERCISES	Demo Hospital	2			
07/22/2003	99213	OFFICE/OUTPATIENT VISIT, EST	Demo Hospital	1			
07/09/2003	36000	PLACE NEEDLE IN VEIN	Demo Hospital	1			

Figure 24-1: Procedure Viewer component

The Procedure Viewer component permits the viewing of past procedures recorded for a patient.

### 24.2 Architecture and Business Process Overview

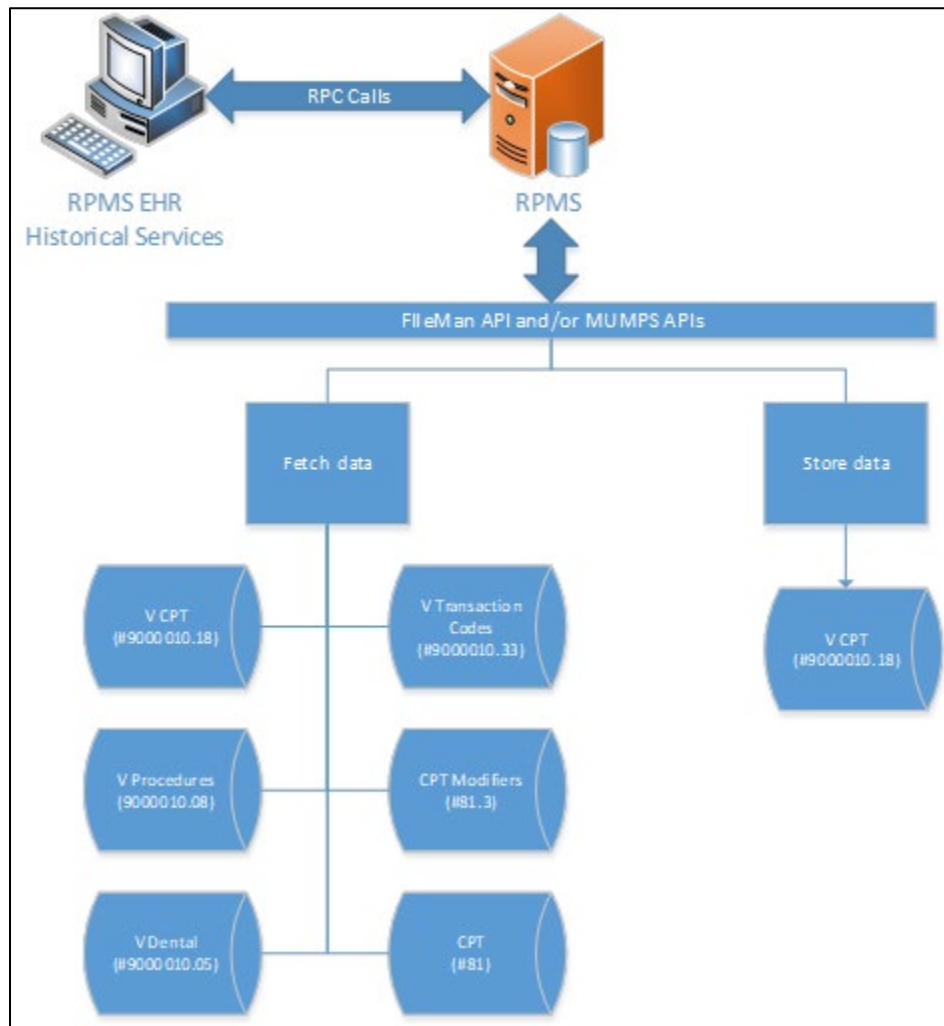


Figure 24-2: Architecture and business process overview

## 24.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOPROCEDURESVIEWER.BGOPROCVIEW
Class Identifier	{CB3C869B-09B3-417A-AA3C-F031A825DE6D}
Image File	lhsBgoProceduresViewer.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL
Required Files	lhsBgoProceduresViewer.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 24.4 Routine Descriptions

This component shares routines with the VCPT component. See that component for a description of routines.

## 24.5 File List

None.

## 24.6 Cross References

None.

## 24.7 Exported Options

None.

## 24.8 Exported Security Keys

None.

## 24.9 Exported Protocols

None.

## 24.10 Exported Parameters

None.

## 24.11 Exported Mail Groups

None.

## 24.12 Callable Routines

This component shares routines with the VCPT component. See that component for a description of callable routines.

## 24.13 External Relations

Entity	Name	Description
File	CPT (#81)	Read access
File	V CPT (#9000010.18)	Read access

## 24.14 Internal Relations

Entity	Name	Description
Component	VCPT	Uses supported API calls.

## 24.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 24.16 Components

This component supports the following properties and methods:

## 24.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 25.0 Personal Health History

### 25.1 Introduction

Personal Health	
To add, select a form... <input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>	
<b>Asthma Status</b>	06/14/2007: Severity=Mild Intermittent; Mgt. Plan=Yes
<b>Refusal</b>	06/14/2007: MAMMOGRAM BILAT (Radiology Exam)
<b>Reproductive</b>	GRAVIDA=1; PARA=0; LIVING CHILDREN=0; SPONT AB=0; TX AB=0; Pregnant: Est. Delivery=09/14/2007; Determined by=Clinical Parameters
<b>Tx Contract</b>	06/14/2007: Initiated=Jun 14, 2007; Type=Mental Health; Provider=User,Power

Figure 25-1: Personal Health History component

The Personal Health History component permits the documentation of several facets of a patient's personal health history including status, functional status, refusals, reproductive history, infant feeding, and treatment contracts.

## 25.2 Architecture and Business Process Overview

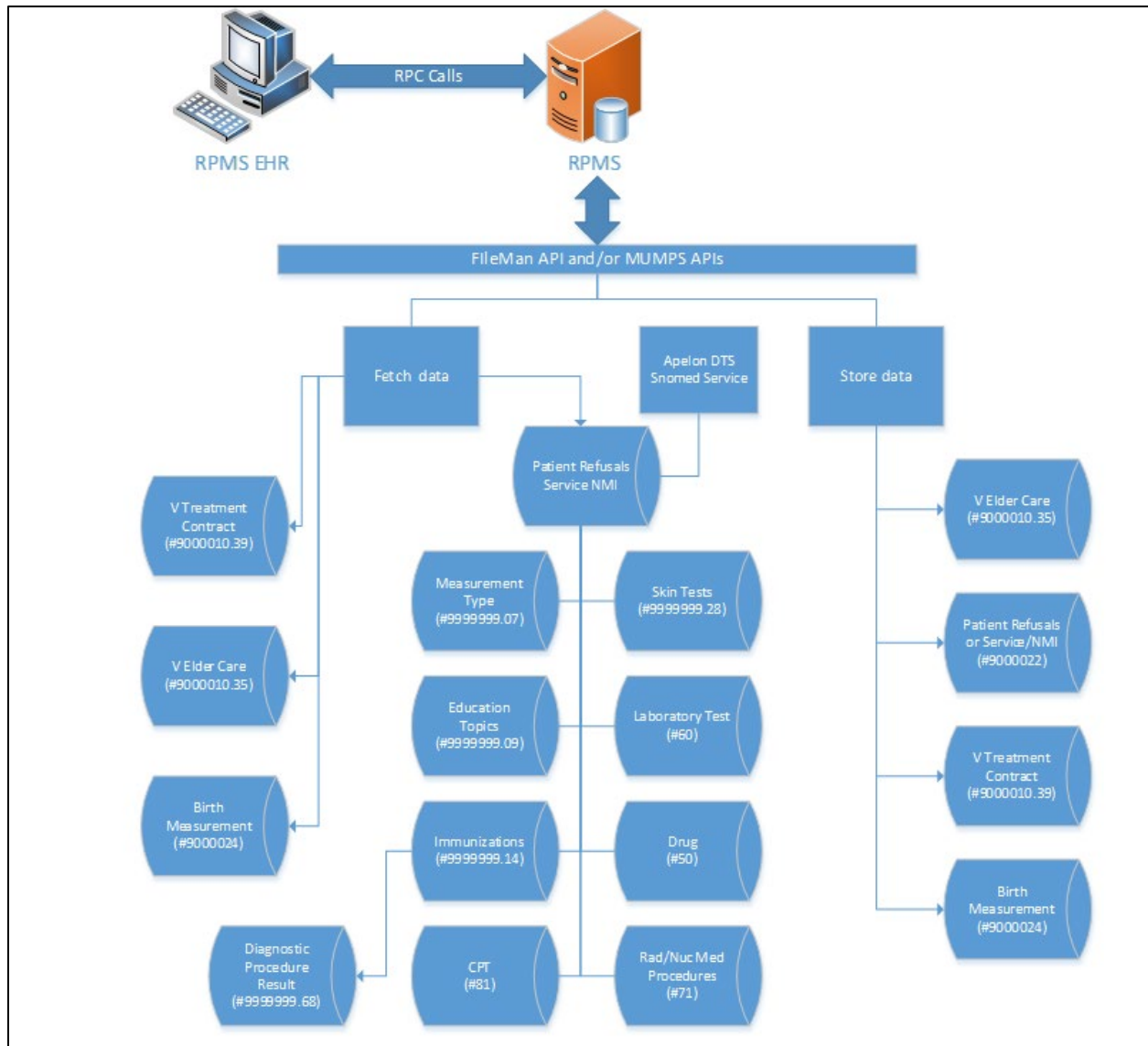


Figure 25-2: Architecture and business process overview

## 25.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOREPHISTORY.IHSBGOREPHISTCTRL
Class Identifier	{9631FAD0-1ECF-4D7E-B61F-CF1E775D7203}
Image File	lhsBgoRepHist.ocx
Property Initializations	none

Entity	Value
Serializable Properties	none
Required Files	lhsBgoRepHist.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 25.4 Routine Descriptions

The following routines are distributed:

Routine	Description
BGOBMSR	Birth measurements management
BGOREF	Refusal management
BGOREP BGOREP1 BGOREPCV	Reproductive factors management
BGOVAST	Asthma management
BGOVELD	Elder care management
BGOVER	Emergency room visit tracking
BGOVIF	Infant feeding management
BGOVIXC	Treatment contract management

## 25.5 File List

None.

## 25.6 Cross References

None.

## 25.7 Exported Options

Option	Type	Description
BGOPHHX MAIN	menu	Personal health history configuration menu.
BGO DISABLE REP HIST EDITING	action	Disable reproductive history editing.

## 25.8 Exported Security Keys

Key	Description
BGOZ ASTHMA EDIT	Enable editing of V ASTHMA entries.
BGOZ ELDER CARE EDIT	Enable editing of V ELDER CARE entries.
BGOZ ER EDIT	Enable editing of V EMERGENCY VISIT RECORD entries.
BGOZ PEDIATRIC EDIT	Enable editing of BIRTH MEASUREMENT entries.
BGOZ REP HIST EDIT	Enable editing of REPRODUCTIVE FACTORS entries.
BGOZ TX CONTRACT EDIT	Enable editing of V TREATMENT CONTRACT entries.

## 25.9 Exported Protocols

None.

## 25.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE REP HIST EDITING		Boolean	User, Class	Disable editing of reproductive factors.

## 25.11 Exported Mail Groups

None.

## 25.12 Callable Routines

This section describes supported entry points for routines exported with this component.



## 25.12.1 RPC: BGOBMSR DEL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN.
<return value>	String	Failure: -n^error text Success: null

Deletes a patient's birth measurement record.

## 25.12.2 RPC: BGOBMSR GET

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN.
<return value>	String	Returned as: Birth Weight Lbs [1] ^ Birth Weight Oz [2] ^ Birth Weight Kg [3] ^ Birth Weight Gms [4] ^ Apgar 1m [5] ^ Apgar 5m [6] ^ Gest Age Wks [7] ^ Delivery Type [8] ^ Complications [9] ^ Birth Order [10] ^ Formula Started [11] ^ Breast Stopped [12] ^ Solids Started [13] ^ Mother Name   IEN [14]

Return birth measurement entries for patient.

## 25.12.3 RPC: BGOBMSR SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Weight [2] ^ Order [3] ^ Formula [4] ^ Breast [5] ^ Solids [6] ^ Mother [7]
<return value>	String	Failure: -n^error text Success: null

Set birth measurement field values.

## 25.12.4 RPC: BGOREF DEL

Scope: private

Parameter	Datatype	Description
REFIEN	Pointer (#9000022)	IEN of refusal.
<return value>	String	Failure: -n^error text Success: null

Delete a refusal.

## 25.12.5 RPC: BGOREF GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Refusal IEN (optional)
<return value>	String List	List of records in the format: R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Item IEN [5] ^ Item Name [6] ^ Provider IEN [7] ^ Provider Name [8] ^ Date [9] ^ Locked [10] ^ Reason [11] ^ Comment [12]

Get refusal data for a specific refusal or for all refusals for a patient.

## 25.12.6 RPC: BGOREF REFLIST

Scope: private

Parameter	Datatype	Description
INP	String	One of: PAP SMEAR, MAMMOGRAM, or EKG.
<return value>	String	Failure: -n^error text Success: IEN of specified entity

Looks up the specified entry to return the appropriate IEN for storage in the refusal file.

## 25.12.7 RPC: BGOREF SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Refusal IEN [1] ^ Refusal Type [2] ^ Item IEN [3] ^ Patient IEN [4] ^ Refusal Date [6] ^ Comment [7] ^ Provider IEN [8] ^ Reason [9]
<return value>	String	Failure: -n^error text Success: null

Add or edit a refusal.

## 25.12.8 RPC: BGOREP DEL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN.
<return value>	String	Failure: -n^error text Success: null

Delete a patient's reproductive record.

## 25.12.9 RPC: BGOREP GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Date Obtained (opt) [2] ^ Expand History (opt) [3]
<return value>	String	Returned as: History Text [1] ^ LMP Date [2] ^ Contraception Method [3] ^ Contraception Begun [4] ^ How EDC Determined [5] ^ EDC Date [6]

Get reproductive factors for a patient.

## 25.12.10 RPC: BGOREP SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Repro Hx [2] ^ LMP Date [3] ^ Contraceptive Method [4] ^ Contraception Begun [5] ^ Pregnant [6] ^ Delivery Date [7] ^ Delivery Method [8]
<return value>	String	Failure: -n^error text Success: null

Add or edit reproductive factors.

## 25.12.11 RPC: BGOREP1 CONTALL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient internal entry number
<return value>	String	Returned as: IEN of subfile(if edited) 1 ^Method 2 ^Date started  3 ^Date ended 4 ^Reason DC 5 ^Comment 6]

Returns a list of all contraceptive entries in the Reproductive History file.

## 25.12.12 RPC: BGOREP1 DELCONT

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient internal entry number
INP	String	Specified as: Subfile IEN^^^^^^Reason^Comment
<return value>	String	Failure: -n^error text Success: IEN^SessionID^Operation Code^IEN

Delete a contraceptive method.

## 25.12.13 RPC: BGOREP1 SETCONT

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient internal entry number
DATA	String	Specified as: IEN of subfile(if edit) 1  ^ Type of contraception [2] ^ Date start[3] ^ Date end [4] ^ Reason [5] ^ Comment[6] ^
<return value>	String	Failure: -n^error text Success: DFN of patient

Set a contraceptive method.

## 25.12.14 RPC: BGOVAST DEL

Scope: private

Parameter	Datatype	Description
VFIEN	Pointer (#9000010.41)	IEN of V ASTHMA entry.
<return value>	String	Failure: -n^error text Success: null

Delete a V ASTHMA entry.

## 25.12.15 RPC: BGOVAST GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ V File IEN [2] ^ Visit IEN [3]
<return value>	String List	List of records in the format: IEN [1] ^ Visit Locked [2] ^ Visit [3] ^ Severity [4] ^ FEV1 [5] ^ FEF25-75 [6] ^ PEF [7] ^ ETS [8] ^ Particulate Matter [9] ^ Dust Mite [10] ^ Management Plan [11] ^ Event Date [12] ^ Encounter Provider [13] where each field except IEN and Visit Locked has the form: External Value   Internal Value

Get V ASTHMA entries by individual entry, visit, or patient.

## 25.12.16 RPC: BGOVAST GETNEW

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ V File IEN [2] ^ Visit IEN [3]
<return value>	StringList	List of records in the format: DFN 1 ^Visit IEN 2 ^Visit date/time 3 ^Asthma control 4

Return list of V Asthma records.

## 25.12.17 RPC: BGOVAST GETNOTE

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN.
<return value>	String List	Failure: -n^error text Success: Text of note

Fetch asthma registry note.

## 25.12.18 RPC: BGOVAST GETREG

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN.
<return value>	String	Returned as: IEN [1] ^ Status [2] ^ Last Asthma Visit Date [3] ^ Calculated Date Due [4] ^ Next Scheduled Appt [5] ^ Case Manager [6] where each field except IEN has the form: External Value   Internal Value

Get asthma registry entry.

## 25.12.19 RPC: BGOVAST GETZONE

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN
<return value>	StringList	Returned as: Type 1 ^Comment 2 ^Date 3

Returns an array consisting of the latest RED and YELLOW zone instructions.

### 25.12.20 RPC: BGOVAST SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V File IEN [1] ^ Visit IEN [2] ^ Severity [3] ^ FEV [4] ^ FEF [5] ^ PEF [6] ^ ETS [7] ^ Matter [8] ^ Mites [9] ^ Plan [10]
<return value>	String	Failure: -n^error text Success: V File IEN

Add/edit V ASTHMA entry.

### 25.12.21 RPC: BGOVAST SETREG

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Status [2] ^ Last Visit Date [3] ^ Date Due [4] ^ Next Appt Date [5] ^ Case Manager [6] ^ Note [7]
<return value>	String	Failure: -n^error text Success: null

Add/edit asthma registry entry.

### 25.12.22 RPC: BGOVAST SETZONE

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN
VIEN	Pointer (#9000010)	Visit IEN
INP	StringList	Specified as: RED^Comment^Date YELLOW^Comment^Date
<return value>	String	Failure: -n^error text Success: IEN of new V File entry

Sets the RED and Yellow zone asthma instructions for a particular visit.

## 25.12.23 RPC: BGOVELD DEL

Scope: private

Parameter	Datatype	Description
VFIEN	Pointer (#9000010.35)	V File IEN
<return value>	String	Failure: -n^error text Success: null

Delete a V ELDER CARE entry.

## 25.12.24 RPC: BGOVELD GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ V File IEN [2] ^ Visit IEN [3]
<return value>	String List	List of records in the format: IEN [1] ^ Visit Locked [2] ^ Visit [3] ^ Toileting [4] ^ Bathing [5] ^ Dressing [6] ^ Transfers [7] ^ Feeding [8] ^ Continence [9] ^ Finances [10] ^ Cooking [11] ^ Shopping [12] ^ Chores [13] ^ Medications [14] ^ Transportation [15] ^ Func Status Change [16] ^ Caregiver? [17] ^ Event Date [18] ^ Encounter Provider [19] where each field except IEN and Visit Locked has the form: External Value   Internal Value

Get elder care entries by individual entry, visit, or patient.

## 25.12.25 RPC: BGOVELD SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V File IEN [1] ^ Visit IEN [2] ^ Toileting [3] ^ Bathing [4] ^ Dressing [5] ^ Transfers [6] ^ Feeding [7] ^ Continence [8] ^ Finances [9] ^ Cooking [10] ^ Shopping [11] ^ Chores [12] ^ Medications [13] ^ Transportation [14] ^ Func Status Change [15] ^ Caregiver [16]



Parameter	Datatype	Description
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit a V ELDER CARE entry.

### 25.12.26 RPC: BGOVIF DEL

Scope: private

Parameter	Datatype	Description
VFIEN	Pointer (#9000010.44)	IEN of V INFANT FEEDING entry.
<return value>	String	Failure: -n^error text Success: null

Delete a V INFANT FEEDING CHOICES entry.

### 25.12.27 RPC: BGOVIF GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ V File IEN [2] ^ Visit IEN [3]
<return value>	String List	List of records in the format: IEN [1] ^ Visit Locked [2] ^ Visit [3] ^ Feeding Choice [4] ^ Event Date [5] ^ Encounter Provider [6] where each field except IEN and Visit Locked has the form: External Value   Internal Value

Get a V INFANT FEEDING CHOICES entry.

### 25.12.28 RPC: BGOVIF SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V File IEN ^ Visit IEN ^ Feeding Choice
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit a V INFANT FEEDING CHOICES entry.

## 25.12.29 RPC: BGOVTCX DEL

Scope: private

Parameter	Datatype	Description
VFIEN	Pointer (#9000010.39)	V File IEN
<return value>	String	Failure: -n^error text Success: null

Delete a V TREATMENT CONTRACT entry.

## 25.12.30 RPC: BGOVTCX GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ V File IEN [2] ^ Visit IEN [3]
<return value>	String List	List of records in the format: IEN [1] ^ Visit Locked [2] ^ Visit [3] ^ Contract Type [4] ^ Date Initiated [5] ^ Provider [6] ^ Event Date [7] ^ Encounter Provider [8] where each field except IEN and Visit Locked has the form: External Value   Internal Value

Return treatment contract entries by individual entry, visit, or patient.

## 25.12.31 RPC: BGOVTCX SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V File IEN [1] ^ Visit IEN [2] ^ Type [3] ^ Date [4] ^ Provider IEN [5]
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit a V TREATMENT CONTRACT entry.

## 25.13 External Relations

Entity	Name	Description
File	V ASTHMA (#9000010.41)	Read and write access

Entity	Name	Description
File	V ELDER CARE (#9000010.35)	Read and write access
File	V INFANT FEEDING CHOICES (#9000010.44)	Read and write access
File	BIRTH MEASUREMENT (#9000024)	Read and write access
File	REPRODUCTIVE FACTORS (#9000017)	Read and write access
File	V TREATMENT CONTRACT (#9000010.39)	Read and write access
File	PATIENT REFUSALS FOR SERVICE/NMI (#9000022)	Read and write access

## 25.14 Internal Relations

None.

## 25.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 25.16 Components

This component supports the following properties and methods:

### 25.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 26.0 Skin Tests

### 26.1 Introduction

Skin Test History <span style="float: right;">Print Record</span>									
Visit Date	Skin Test	Location	Age@Visit	Result	Reading	Read Date	Reading Provider	Administered By	Other Location
10/06/1999	PPD	DEMO HOSPITAL	39 yrs	Pending	0				
09/10/1997	PPD	DEMO HOSPITAL	37 yrs	Negative	0	09/10/97			
08/14/1996	PPD	DEMO HOSPITAL	36 yrs	Pending	0				

Figure 26-1: Skin Test History pane component

The Skin Tests component facilitates documentation of the application and results of skin tests.

### 26.2 Architecture and Business Process Overview

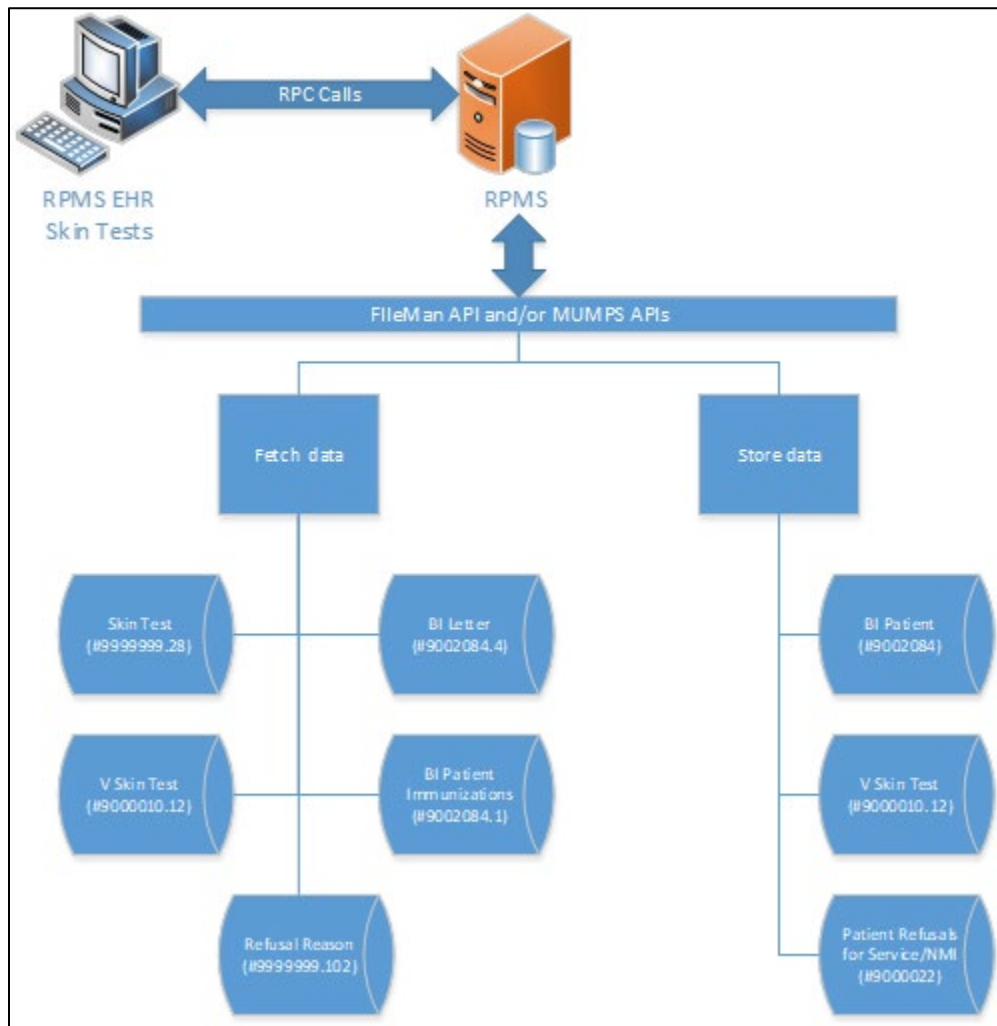


Figure 26-2: Architecture and business process overview

## 26.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOSKINTEST.IHSBGOSK
Class Identifier	{9F9B1E7D-65C1-486B-A9BC-D806240B4ECA}
Image File	lhsBgoSkinTest.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL
Required Files	lhsBgoSkinTest.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 26.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVSK”. The following routines are distributed:

Routine	Description
BGOVSK	Skin test management

## 26.5 File List

None.

## 26.6 Cross References

None.

## 26.7 Exported Options

None.

## 26.8 Exported Security Keys

None.

## 26.9 Exported Protocols

None.

## 26.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE SK EDITING		Boolean	User, Class	Disable skin test editing.

## 26.11 Exported Mail Groups

None.

## 26.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 26.12.1 BGOVSK DEL

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VSK ien ^ refusal ien
<return value>	String	Failure: -n^error text Success: null

Delete a skin test or skin test refusal.

### 26.12.2 BGOVSK GET

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN

Parameter	Datatype	Description
<return value>	String List	List of records with one of two formats: For skin tests: S [1] ^ Visit Date [2] ^ VFile IEN [3] ^ Other Location [4] ^ Result [5] ^ Reading [6] ^ Date Read [7] ^ Test Name [8] ^ Test IEN [9] ^ Age [10] ^ Provider IEN~Name [11] ^ Reader IEN~Name [12] ^ Visit IEN [13] ^ Service Category [14] ^ Location IEN~Name [15] ^ Visit Locked [16] For refusals: R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Item IEN [5] ^ Item Name [6] ^ Provider IEN [7] ^ Provider Name [8] ^ Date [9] ^ Locked [10] ^ Reason [11] ^ Comment [12]

Retrieve skin tests and skin test refusals.

### 26.12.3 BGOVSK SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Visit IEN [1] ^ Historical [2] ^ Patient IEN [3] ^ Test IEN [4] ^ V File IEN [5] ^ Date Applied [6] ^ Location [7] ^ Other Location [8] ^ Result [9] ^ Reading [10] ^ Date Read [11] ^ Reader [12] ^ Provider [13]
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit a V SKIN TEST entry.

### 26.13 External Relations

Entity	Name	Description
File	SKIN TEST (#9999999.28)	Read access
File	V SKIN TEST (#9000010.12)	Read and write access
Package	Immunization 8.5	Uses the following APIs: IMMHX^BIRPC



## 26.14 Internal Relations

Entity	Name	Description
Component	Immunization	Uses supported APIs.

## 26.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 26.16 Components

This component supports the following properties and methods:

### 26.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.

---

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 27.0 VCPT

### 27.1 Introduction


Visit Services 									
Code	Narrative	Qty	Diagnosis	Prim	Modifier 1	Modifier 2	Provider	CPT Name	Visit Date
A4258	Spring-powered Device Lancet Each	1		Y			USER,POWER	Spring-powered Device Lancet Each	04/25/2007
59025	Fetal Non-stress Test	1		N			USER,POWER	Fetal Non-stress Test	04/25/2007
90700	Dtap Vaccine < 7 Im	1	Diphtheria-tanus-pertus sis				USER,POWER	Dtap Vaccine < 7 Im	04/25/2007
90471	Immunization Admin	1	Diphtheria-tanus-pertus sis				USER,POWER	Immunization Admin	04/25/2007

Figure 27-1: Visit Services component

The VCPT component permits recording services rendered during a specific patient encounter.

## 27.2 Architecture and Business Process Overview

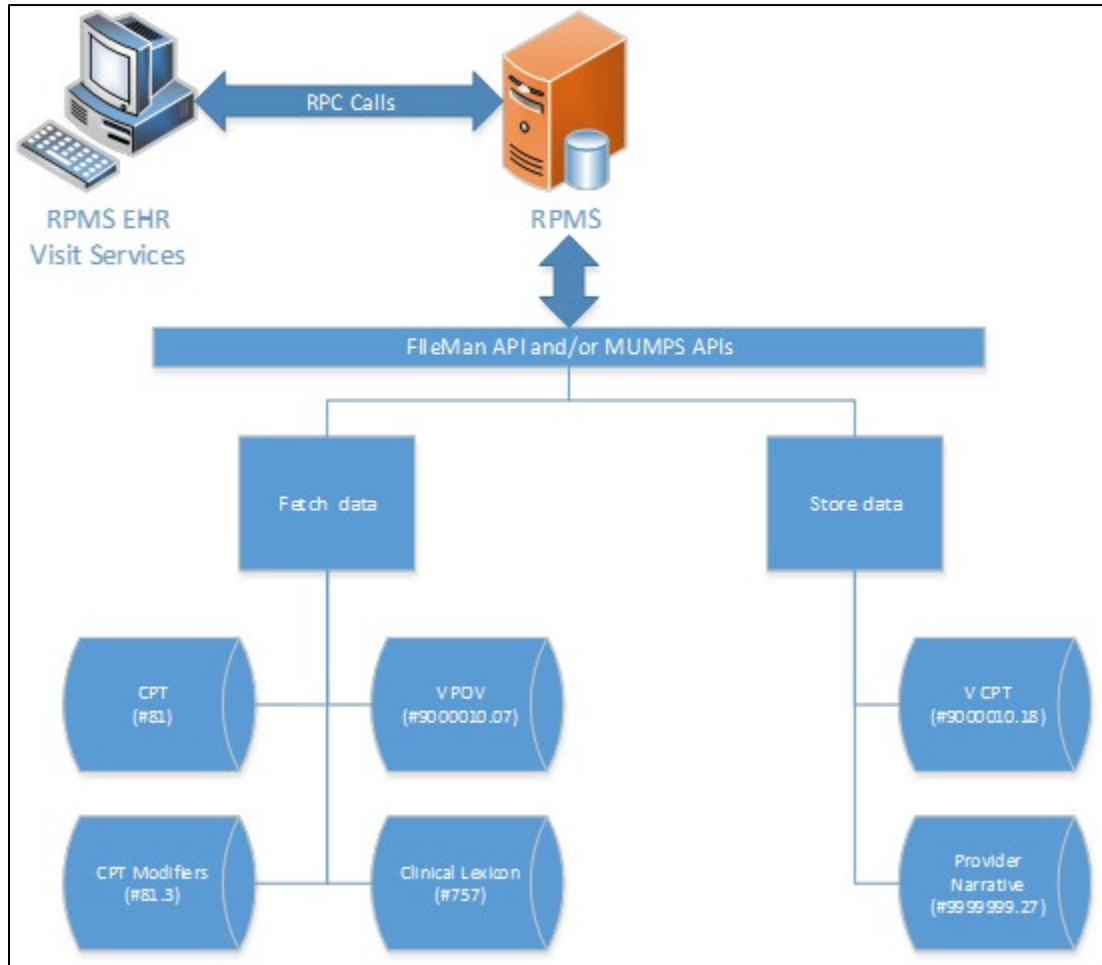


Figure 27-2: Architecture and business process overview

## 27.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOVCPT.BGOVCPT
Class Identifier	{05B446C8-E08A-4227-8B23-0F14D2D7DB9D}
Image File	IhsBgoVCPT.ocx
Property Initializations	none
Serializable Properties	none
Required Files	IhsBgoVCPT.chm
Security Keys	none
Multiple Instances Allowed	no

Entity	Value
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 27.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVCPT”. The following routines are distributed:

Routine	Description
BGOVCPT BGOVCPT2	V CPT maintenance

## 27.5 File List

None.

## 27.6 Cross References

None.

## 27.7 Exported Options

Option	Type	Description
BGOPROC MAIN	menu	Procedure configuration menu.
BGO DISABLE CPT EDITING	action	Disable CPT4 code editing.
BGO ENABLE CHARGEMASTER ENTRY	action	Enable support for ChargeMaster entry.
BGO ENABLE ICD PROCEDURE ENTRY	action	Enable support for ICD procedure entry

## 27.8 Exported Security Keys

Key	Description
BGOZ VCPT EDIT	Enable editing of V CPT entries.

## 27.9 Exported Protocols

None.

## 27.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE CPT EDITING		Boolean	User, Class	Disable CPT4 code editing.
BGO ENABLE CHARGEMASTER ENTRY		Boolean	Division, Package	Enable ChargeMaster data entry.
BGO ENABLE ICD PROCEDURE ENTRY		Boolean	Division, Package	Enable ICD procedure entry.

## 27.11 Exported Mail Groups

None.

## 27.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 27.12.1 RPC: BGOVCPT CPTLKUP

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Lookup Text [1] ^ Use Lexicon [2] ^ Date [3] ^ Exclude Med [4] ^ Exclude Surg [5] ^ Exclude HCPCS [6] ^ Exclude E&M [7] ^ Exclude Rad [8] ^ Exclude Lab [9] ^ Exclude Anesth [10] ^ Exclude Home [11]
<return value>	String List	List of CPT4 codes matching selection criteria in format: Description ^ CPT IEN ^ CPT Code ^ Narrative

Lookup a CPT entry.

### 27.12.2 RPC: BGOVCPT DEL

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: V File IEN ^ Type where Type is one of: TRN = V Transaction Code PRC = V Procedure CPT = V CPT
<return value>	String	Failure: -n^error text Success: null

Delete a V CPT, V Procedure, or V Transaction Code entry.

### 27.12.3 RPC: BGOVCPT GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN [1] ^ Max [2] ^ Visit IEN [3] ^ Type [4] ^ Format [5] where Format is one of: 0 = Detailed 1 = TIU List
<return value>	String List	Returned as a list of records in the format: Visit Date [1] ^ Fac IEN [2] ^ Fac Name [3] ^ CPT [4] ^ CPT name [5] ^ Narrative [6] ^ Dx [7] ^ Prim [8] ^ Mod1 [9] ^ Mod2 [10] ^ VCPT IEN [11] ^ Visit IEN [12] ^ CPT IEN [13] ^ Quantity [14] ^ Provider Name [15] ^ Tran Code IEN [16] ^ ICD0 IEN [17] ^ Visit Locked [18]

Return VCPT entries by patient or by visit.

### 27.12.4 RPC: BGOVCPT GETIEN

Scope: private

Parameter	Datatype	Description
CPT	String	CPT code to lookup.

Parameter	Datatype	Description
<return value>	Pointer (#81)	IEN of CPT code or null if not found.

Return the IEN of a CPT4 code.

### 27.12.5 RPC: BGOVCPT GETMODS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Reference CPT Code  1 ^Reference Date  2 ^Modifier IEN 3
<return value>	StringList	Returned as a list of records in the format: Name 1  ^ CPT Modifier Code 2  ^ Modifier IEN 3

Returns a list of CPT modified valid for the specified CPT code and reference date.

### 27.12.6 RPC: BGOVCPT IMMCK

Scope: private

Parameter	Datatype	Description
CPTIEN	Pointer (#81)	IEN of CPT4 code.
<return value>	String	Returned as: Vaccine IEN ^ Short Name

Return vaccine IEN associated with specified CPT IEN.

### 27.12.7 RPC: BGOVCPT MODLKUP

Scope: private

Parameter	Datatype	Description
INP	String	CPT modifier to lookup.
<return value>	String List	Returns a list of matching records in the format: Modifier IEN [1] ^ Modifier Code [2] ^ Description [3]

Lookup a CPT modifier.



## 27.12.8 RPC: BGOVCPT SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Visit IEN [1] ^ CPT IEN [2] ^ Patient IEN [3] ^ Event Date [4] ^ Quantity [5] ^ Diagnosis [6] ^ Modifier #1 [7] ^ Provider IEN [8] ^ Principal [9] ^ V File IEN [10] ^ Narrative [11] ^ Modifier #2 [12] ^ Location IEN [13] ^ Outside Location [14] ^ Historical [15] ^ ICD Procedure Flag [16] ^ No Dups [17]
<return value>	String	Failure: -n^error text Success: VCPT IEN

Add or edit a V CPT entry.

## 27.12.9 RPC: BGOVCPT SETDX

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VCPT IEN ^ Diagnosis IEN
<return value>	String	Failure: -n^error text Success: null

Set a V CPT diagnosis.

## 27.12.10 RPC: BGOVCPT SETQTY

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VCPT IEN ^ Quantity
<return value>	String	Failure: -n^error text Success: null

Set a V CPT quantity.

## 27.13 External Relations

Entity	Name	Description
File	CPT (#81)	Read access
File	V CPT (#9000010.18)	Read and write access
File	CPT MODIFIER (#9999999.88)	Read access

## 27.14 Internal Relations

None.

## 27.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 27.16 Components

This component supports the following properties and methods:

### 27.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 28.0 Visit Diagnosis (VPOV)

### 28.1 Introduction

Provider Narrative	ICD	ICD Name	Priority	Cause	Injury Date	Injury Cause	Injury Place	Modifier	Onset Date
TEST	250.10	DIAB W/KET TYPEII/UNSP CONT	Primary						
HYPERTENSION	401.9	HYPERTENSION NOS	Secondary						
DIPHThERIA-TETANUS- PERTUSSIS	V06.1	DIPHThERIA-TETANUS- PERTUSSIS	Secondary						

Figure 28-1: Visit Diagnosis component

The Visit Diagnosis component permits the documentation of diagnoses pertaining to the current patient encounter.

### 28.2 Architecture and Business Process Overview

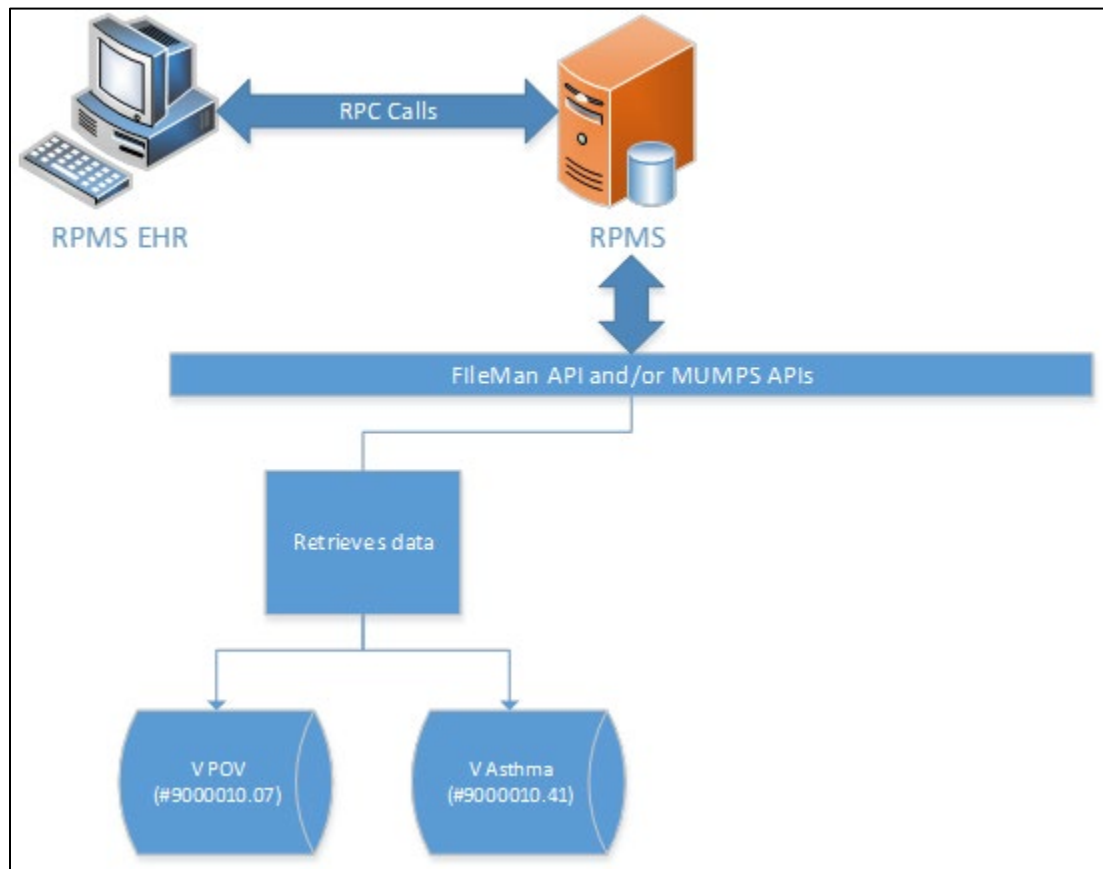


Figure 28-2: Architecture and business process overview

## 28.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOVPOV.BGOVPOV
Class Identifier	{629A3FFD-EA95-46D0-A73C-7334A947132F}
Image File	lhsBgoVPOV.ocx
Property Initializations	
Serializable Properties	HideButtons=BOOL, UseLexicon=BOOL
Required Files	lhsBgoVPOV.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 28.4 Routine Descriptions

This component has been assigned the namespace designation of “BGOVPOV”. The following routines are distributed:

Routine	Description
BGOVPOV BGOVPOV1 BGOVPOV2 BGOVPOV3	V POV support

## 28.5 File List

None.

## 28.6 Cross References

None.

## 28.7 Exported Options

Option	Type	Description
BGOPOV MAIN	menu	POV configuration menu.
BGO DISABLE POV EDITING	action	Disable POV editing.

## 28.8 Exported Security Keys

Key	Description
BGOZ VPOV EDIT	Enable POV editing.

## 28.9 Exported Protocols

None.

## 28.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE POV EDITING		Boolean	User, Class	Disable POV editing.
BGO POV DEFAULT CHART		Pointer (File 80)	System, Division	Default POV for chart reviews
BGO POV DEFAULT TELEPHONE		Pointer (File 80)	System, Division	Default POV for telephone visits
BGO POV HIST MAX ENTRIES		Integer (25-250)	Package, Division, Class, User	Defines maximum entries shown in POV history

## 28.11 Exported Mail Groups

None.

## 28.12 Callable Routines

This section describes supported entry points for routines exported with this component.

## 28.12.1 RPC: BGOVPOV CHECK

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: ICD IEN ^ Patient IEN ^ Visit Date
<return value>	String	Failure: -n^error text Success: null

Check validity of an ICD9 code.

## 28.12.2 RPC: BGOVPOV CHRTREVV

Scope: private

Parameter	Datatype	Description
VIEN	Pointer (#9000010)	Visit IEN
<return value>	String	Failure: -n^error text Success: V File IEN

Store appropriate V code for a chart review visit.

## 28.12.3 RPC: BGOVPOV CKSIGNBY

Scope: private

Parameter	Datatype	Description
VIEN	Pointer (#9000010)	Visit IEN
<return value>	String	Failure: -n^error text Success: IEN of Document

Check for note signed by provider and associated with specified visit.

## 28.12.4 RPC: BGOVPOV DEL

Scope: private

Parameter	Datatype	Description
VPOV	Pointer (#9000010.07)	IEN of V POV entry
<return value>	String	Failure: -n^error text Success: null

Delete a V POV entry.

## 28.12.5 RPC: BGOVPOV GET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Visit IEN [1] ^ VPOV IEN (optional) [2] ^ Format [3] where Format is one of: 0 = Detailed, 1 = Single String, 2 = Multi-line
<return value>	String List	List of records in the format: Format = 0 (detailed): V File IEN [1] ^ Visit Date (ext) [2] ^ Facility Code [3] ^ Facility Name [4] ^ ICD Code [5] ^ ICD Name [6] ^ Provider Narrative [7] ^ Modifier [8] ^ Onset Date (ext) [9] ^ Stage [10] ^ Revisit [11] ^ Cause [12] ^ Injury Date (ext) [13] ^ Cause E-code [14] ^ Place of Accident [15] ^ Primary [16] ^ ICD IEN [17] ^ Provider Name [18] ^ Visit IEN [19] ^ Visit Locked [20] Format = 1 (single string): Concatenated string of POV's. Format = 2 (multi-line): Provider narrative only in format: n) <text>:

Get V POV entries associated with the specified visit.

## 28.12.6 RPC: BGOVPOV GETCODE

Scope: private

Parameter	Datatype	Description
ICDIEN	Pointer (#80)	IEN of ICD9 code
<return value>	String	Returned as: ICD9 Code ^ Narrative

Return ICD9 code information given its IEN.

## 28.12.7 RPC: BGOVPOV GETICD

Scope: private

Parameter	Datatype	Description
ICD	String	Text to lookup
<return value>	String	Returns null if not found or ICD IEN ^ ICD Text

Lookup ICD9 code given text input.



## 28.12.8 RPC: BGOVPOV RECENT

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Max Records ^ Visit IEN
<return value>	String List	List of records in the format: Visit Date [1] ^ Facility ID [2] ^ Facility Name [3] ^ ICD Code [4] ^ ICD Text [5] ^ Provider Narrative [6] ^ V POV IEN [7] ^ Visit IEN [8] ^ ICD IEN [9] ^ Visit Locked [10]

Return recent POV's by patient or by visit.

## 28.12.9 RPC: BGOVPOV SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VPOV IEN [1] ^ Visit IEN [2] ^ ICD Code IEN [3] ^ Patient IEN [4] ^ Narrative [5] ^ Stage [6] ^ Modifier [7] ^ Cause Dx [8] ^ First/Revisit [9] ^ Injury E-Code [10] ^ Injury Place [11] ^ Primary/Secondary [12] ^ Injury Date [13] ^ Onset Date [14] ^ Provider IEN [15]
<return value>	String	Failure: -n^error text Success: V File IEN

Add or edit V POV data.

## 28.12.10 RPC: BGOVPOV SETPRI

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: VPOV IEN ^ Primary/Secondary (P/S)
<return value>	String	Failure: -n^error text Success: V File IEN

Set primary/secondary status for a POV.

## 28.12.11 RPC: BGOVPOV TELEPHON

Scope: private

Parameter	Datatype	Description
VIEN	Pointer (#9000010)	Visit IEN
<return value>	String	Failure: -n^error text Success: V File IEN

Store appropriate V code for a telephonic visit.

## 28.12.12 RPC: BGOVPOV1 FRAC

Scope: private

Parameter	Datatype	Description
CONCT	String	SNOMED Concept ID
<return value>	String	

Returns the fracture types in the first ^ delimited piece and the SNOMEDs and the text in the second piece.

## 28.12.13 RPC: BGOVPOV1 LATCHK

Scope: private

Parameter	Datatype	Description
INP	String	DFN^SNOMED Concept CT^PRIEN
VIEN	Pointer (#9000010)	Visit IEN
<return value>	List	Return format: Type^PRIEN^Concept CT^Laterality^DESC^Provider Narrative^External Laterality^ICD Code^Status

Returns a list of records.

## 28.12.14 RPC: BGOVPOV1 QUALLK

Scope: private

Parameter	Datatype	Description
SNOMED	String	SNOMED Concept ID
TYPE	Set	N: Normal/Abnormal; L:Laterality
<return value>	String	Returns a 0 or 1

Returns a 1 for need qualification and 0 if not.

### 28.12.15 RPC: BGOVPOV2 INJURY

Scope: private

Parameter	Datatype	Description
SNOMED	String	SNOMED Concept ID
VIEN	Pointer (#9000010)	Visit IEN
<return value>	String	Returns a 0 or 1

Returns true if the problem is an injury code.

### 28.12.16 RPC: BGOVPOV3 EDIT

Scope: private

Parameter	Datatype	Description
INP	String	<empty>^Visit IEN^Problem IEN^Patient IEN^Prov Text^Descriptive Text^SNOMED CT^^^Provider IEN^Asthma Control
LIST	List	List of IENS of the POVs being edited
QUAL	String	Q^Type^IEN^SNOMED^By^When^Del
INJ	String	Cause DX^Injury Code^Injury Place^First/Revisit^Injury DT^Onset Date
NORM	String	Normal/Abnormal value
<return value>	List	List of IENS of POVs

Returns list of IENS of POVS.

## 28.13 External Relations

Entity	Name	Description
File	ICD DIAGNOSIS (#80)	Read access
File	PROBLEM (#9000011)	Read access
File	V POV (#9000010.07)	Read and write access

## 28.14 Internal Relations

None.

## 28.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 28.16 Components

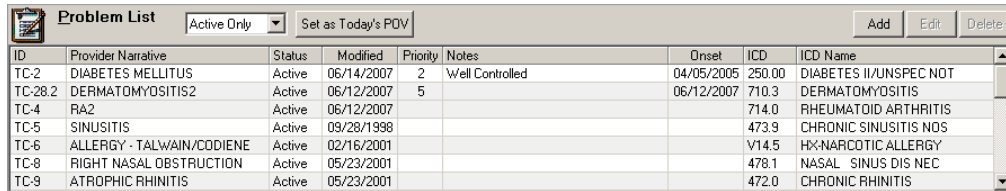
This component supports the following properties and methods:

### 28.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
USELEXICON	Boolean	RW	If true, uses Lexicon Utility by default for lookups.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 29.0 Problem Management

### 29.1 Introduction



ID	Provider Narrative	Status	Modified	Priority	Notes	Onset	ICD	ICD Name
TC-2	DIABETES MELLITUS	Active	06/14/2007	2	Well Controlled	04/05/2005	250.00	DIABETES II/UNSPEC NOT
TC-28.2	DERMATOMYOSITIS2	Active	06/12/2007	5		06/12/2007	710.3	DERMATOMYOSITIS
TC-4	RA2	Active	06/12/2007				714.0	RHEUMATOID ARTHRITIS
TC-5	SINUSITIS	Active	09/28/1998				473.9	CHRONIC SINUSITIS NOS
TC-6	ALLERGY - TALWAIN/CODIENE	Active	02/16/2001				V14.5	HX-NARCOTIC ALLERGY
TC-8	RIGHT NASAL OBSTRUCTION	Active	05/23/2001				478.1	NASAL SINUS DIS NEC
TC-9	ATROPHIC RHINITIS	Active	05/23/2001				472.0	CHRONIC RHINITIS

Figure 29-1: Problem List component

This Problem Management component facilitates the management of the patient's problem list.

### 29.2 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	IHSBGOPROBLEM.BGOPROBLEM
Class Identifier	{8BAD7D20-FE2D-47D0-999D-F9996A17166B}
Image File	lhsBgoProblem.ocx
Property Initializations	none
Serializable Properties	HIDEBUTTONS=BOOL, USELEXICON=BOOL
Required Files	lhsBgoProblem.chm
Security Keys	none
Multiple Instances Allowed	yes
Disabled	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BGO*1.1*17

There are no specific implementation or maintenance tasks associated with this component.

## 29.3 Routine Descriptions

This component has been assigned the namespace designation of “BGOPR”. The following routines are distributed:

Routine	Description
BGOPRDD	Problem detail report
BGOPROB BGOPROB1 BGOPROB2 BGOPROB3	Problem list maintenance.
BGOPRBN	Problem list note maintenance.

## 29.4 File List

The following files are distributed:

### 29.4.1 BGO Problem Priority (#90362.22)

This file contains priority settings for problem list entries.

Field Name	#	Datatype	Indexes	Description
PROBLEM	.01	Pointer (#9000011)	B – Standard	Problem list entry associated with this priority.
PRIORITY	.02	Integer		Priority setting (0-5).

## 29.5 Cross References

Cross references are described in the preceding section.

## 29.6 Exported Options

Option	Type	Description
BGOPL MAIN	menu	Problem list configuration menu.
BGO DISABLE PROB LIST EDITING	action	Disable problem list editing.
BGO PL DEFAULT FILTER	action	Default filter for problem list.
BGO PL INCLUDE PERS HIST W ACT	action	Include personal history problem under active.

## 29.7 Exported Security Keys

Key	Description
BGOZ PROBLEM LIST EDIT	Enable problem list editing.

## 29.8 Exported Protocols

None.

## 29.9 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BGO DISABLE PROB LIST EDITING		Boolean	User, Class	Disable problem list editing.
BGO PL DEFAULT FILTER		Set	User, Class, Division, System	Specifies which problem list filter should be the initial default. One of: 0 = All 1 = Active 2 = Inactive 3 = Personal History 4 = Family History
BGO PL INCLUDE PERS HIST W ACT		Boolean	User, Class, Division, Package	If true, problems marked as personal history are included under the active filter.

## 29.10 Exported Mail Groups

None.

## 29.11 Callable Routines

This section describes supported entry points for routines exported with this component.

### 29.11.1 RPC: BGOPRBN DEL

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Problem IEN [1] ^ Location IEN [2] ^ Note IEN [3]

Parameter	Datatype	Description
<return value>	String	Failure: -n^error text Success: null

Delete a problem note.

### 29.11.2 RPC: BGOPRBN GET

Scope: private

Parameter	Datatype	Description
PRIEN	Pointer (#9000011)	IEN of PROBLEM entry
<return value>	String List	List of records in the format: Location IEN [1] ^ Note IEN [2] ^ Note # [3] ^ Narrative [4] ^ Status [5] ^ Date Added [6] ^ Author Name [7]

Return all notes for a problem entry.

### 29.11.3 RPC: BGOPRBN SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Problem IEN [1] ^ Note IEN [2] ^ Location IEN [3] ^ Note # [4] ^ Narrative [5] ^ Status [6]
<return value>	String	Failure: -n^error text Success: Problem IEN [1] ^ Note IEN [2] ^ Location IEN [3] ^ Note # [4] ^ Narrative [5] ^ Status [6] ^ Date Entered [7] ^ Author Name [8] ^ Note ID [9]

Add or edit a problem note.

### 29.11.4 RPC: BGOPROB ADD CLASS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Problem IEN 1  ^ Problem classification 2
<return value>	String	Failure: -n^error text Success: Problem IEN



Add asthma classification to a problem.

### 29.11.5 RPC: BGOPROB CKID

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Patient IEN ^ Problem ID ^ Site IEN ^ Problem IEN (optional)
<return value>	String	Failure: -n^error text Success: If problem IEN is passed, returns 1 if id is same, 0 if different. If no problem IEN is passed, return value is null.

Check for existence of problem id.

### 29.11.6 RPC: BGOPROB DEL

Scope: private

Parameter	Datatype	Description
PRIEN	Pointer (#9000011)	IEN of PROBLEM entry
<return value>	String	Failure: -n^error text Success: null

Delete a problem list entry.

### 29.11.7 RPC: BGOPROB GET

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String	List of records in the format: Number Code [1] ^ Patient IEN [2] ^ ICD Code [3] ^ Modify Date [4] ^ Class [5] ^ Provider Narrative [6] ^ Date Entered [7] ^ Status [8] ^ Date Onset [9] ^ Problem IEN [10] ^ Notes [11] ^ ICD9 IEN [12] ^ ICD9 Short Name [13] ^ Provider [14] ^ Facility IEN [15] ^ Priority [16]

Get problem list entries for the specified patient.

### 29.11.8 RPC: BGOPROB GET CLASS

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Code (IEN or CODE) 1  ^ Classification 2  (ASTHMA SEVERITY only one right now)
<return value>	StringList	List of records in the format: IEN 1  ^ Description 2

Returns a list of classification types.

### 29.11.9 RPC: BGOPROB NEXTID

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String	Next available problem ID.

Returns the next available problem ID for the specified patient.

### 29.11.10 RPC: BGOPROB SET

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: ICD IEN or Code [1] ^ Narrative [2] ^ Location IEN [3] ^ Date of Onset [4] ^ Class [5] ^ Status [6] ^ Patient IEN [7] ^ Problem IEN [8] ^ Problem # [9] ^ Priority [10]
<return value>	String	Failure: -n^error text Success: Problem IEN

Add or edit a problem list entry.

### 29.11.11 RPC: BGOPROB SETPRI

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: Problem IEN ^ Problem Priority

Parameter	Datatype	Description
<return value>	String	Failure: -n^error text Success: BGO Problem Priority IEN

Set priority for a problem list entry.

### 29.11.12 RPC: BGOPROB1 EDIT

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient's IEN
PRIEN	Pointer (#9000011)	Problem File IEN
VFIEN	Pointer (#9000010.41)	V ASTHMA File IEN
LIST	StringList	Formatted as: "P" [1] ^ SNOMED CT [2] ^ Descriptive CT [3] ^ Provider Text [4] ^ Mapped ICD [5] ^ Location [6] ^ Date of Onset [7] ^ Status [8] ^ Class [9] ^ Problem # [10] ^ Priority [11] ^ Inpt Dx [12] "C"  1  ^ Classification  2  ^ Control  3  ^ V Asthma IEN  4  "Q"  1  ^ Type  2  ^ Qualifier IEN  3  ^ Qual SNOMED  4  ^ By  5  ^ When  6  ^ DEL  7
<return value>	String	Failure: -n^error text Success: null

Edit content of existing problem entry.

### 29.11.13 RPC: BGOPROB1 EDPROB

Scope: private

Parameter	Datatype	Description
DFN	String	Patient File IEN
<return value>	StringList	List of records in the format: IEN of problem^Provider Narrative^SNOMED CONCEPT CT^ICD Code

Returns list of active problems to attach education topics.

## 29.11.14 RPC: BGOPROB1 GETONE

Scope: private

Parameter	Datatype	Description
PRIEN	String	IEN to the Problem File
<return value>	StringList	All data associated with the problem including goals, care plans, visit instructions, treatments, consults, referrals and education topics

Returns data associated with a given Problem File entry.

## 29.11.15 RPC: BGOPROB1 INPT

Scope: private

Parameter	Datatype	Description
DFN	String	PATIENT File IEN
<return value>	StringList	List of records in problem list format: Array(n)="P"^Problem IEN^SNOMED CONCEPT ID^SNOMED DESC ID ^Number Code^Status^Onset^Prov Narrative^ICD^Priority^Class^PIP Array(n)="A"^Classification^Control^V Asthma IEN Array(n)="N"^Facility^Note IEN^Note Number^Text^Status^Date^Author Array(n)="Q"^Type^IEN^SNOMED^Text

Returns list of problems used for current or most recent inpatient stay.

## 29.11.16 RPC: BGOPROB2 CHK

Scope: private

Parameter	Datatype	Description
PRIEN	String	IEN of PROBLEM File entry
<return value>	String	Failure: -n^error text Success: 1

Determines if the problem can be deleted.

## 29.11.17 RPC: BGOPROB2 DUPCHK

Scope: private

Parameter	Datatype	Description
INP	String	Specified as: SNOMED Concept CT^Laterality Code Laterality Type^PRIEN
<return value>	StringList	List of Problem IENs

Returns a list of duplicate or equivalent entries in the Problem List.

## 29.11.18 RPC: BGOPROB2 MAP

Scope: private

Parameter	Datatype	Description
LIST	StringList	Specified as: SNOMED CT
<return value>	String	Formatted as such: List(n)="C^SNOMED CONCEPT CT" List(n+n)="~t^Map Advice number^Map Advice"

Returns the map advice for a SNOMED CONCEPT CT list.

## 29.12 External Relations

Entity	Name	Description
File	PROBLEM (#9000011)	Read and write access
File	V POV (#9000010.07)	Read and write access
File	CARE PLAN (#9000092)	Read and write access
File	V VISIT INSTRUCTIONS (#9000010.58)	Read and write access
File	REQUEST/CONSULTA TION (#123)	Read access
File	V PATIENT ED (#9000010.16)	Read and write access

## 29.13 Internal Relations

None.

## 29.14 Archiving and Purging

There are no archiving or purging requirements within this software.

## 29.15 Components

This component supports the following properties and methods:

### 29.15.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ALLOWADDPOV	Boolean	RW	If true, the user is permitted to add problem list entries to the V POV file.
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HIDEBUTTONS	Boolean	RW	If true, hides the button controls on the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
RUNASYNC	Boolean	RW	If true, problem list entries are fetched asynchronously. If false, entries are fetched synchronously.

---

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
USELEXICON	Boolean	RW	If true, uses Lexicon Utility by default for lookups.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 30.0 Problem List

### 30.1 Introduction

Problem List	
Problem ▲	Date ▲
ALLERGY - TALWAIN/C...	16-Feb-2001
ATROPHIC RHINITIS	23-May-2001
Cholesteatoma Of Middle ...	06-Jun-2007
COLONIC POLYP	31-May-2007
DERMATITIS	31-May-2007
DERMATOMYOSITIS2	12-Jun-2007
DIABETES MELLITUS	14-Jun-2007
DIPHThERIA-TETANUS-...	31-May-2007
DIVERTICULOSIS	31-May-2007

Figure 30-1: Problem List component

The Problem List component is designed primarily for use on the cover sheet and provides a quick overview of active problems.

### 30.2 Architecture and Business Process Overview

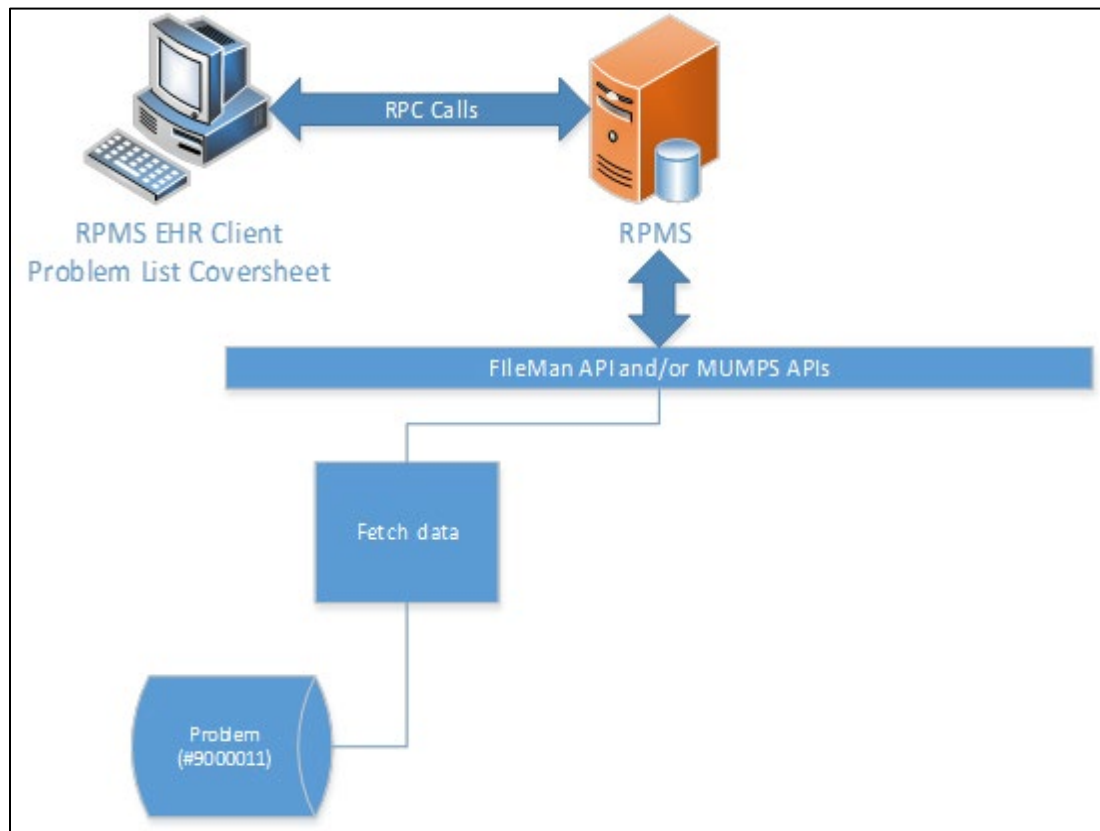


Figure 30-2: Architecture and business process overview



### 30.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHPROBLEMLIST.PROBLEMLIST
Class Identifier	{3CE38F64-227D-46ED-A109-27073F032C64}
Image File	BEHProblemList.ocx
Property Initializations	none
Serializable Properties	ALLOWPRINT=BOOL, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, DEFERUPDATE=BOOL, DETAILPANE=BOOL, ORIENTATION=ENUM, LAYOUT=HIDDEN
Required Files	BEHProblemList.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*034003

There are no specific implementation or maintenance tasks associated with this component.

### 30.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHOPL”. The following routines are distributed:

Routine	Description
BEHOPLCV	Problem list display support.
BEHOPLDD	Problem Details

### 30.5 File List

None.

## 30.6 Cross References

None.

## 30.7 Exported Options

None.

## 30.8 Exported Security Keys

None.

## 30.9 Exported Protocols

None.

## 30.10 Exported Parameters

None.

## 30.11 Exported Mail Groups

None.

## 30.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 30.12.1 RPC: BEHOPLCV DETAIL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
IEN	Pointer (#9000011)	Problem IEN
<return value>	String List	Detail text

Returns detailed information about the specified problem entry.

### 30.12.2 RPC: BEHOPLCV LIST

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN

Parameter	Datatype	Description
STATUS	String	Status filter
<return value>	String List	List of problem records.

Returns a list of problem list entries filtered by the specified status.

### 30.13 External Relations

Entity	Name	Description
File	PROBLEM (#9000011)	Read access
Package	PROBLEM LIST 2.0	Uses the following API calls: LIST^GMPLUTL2 DETAIL^GMPLUTL2

### 30.14 Internal Relations

None.

### 30.15 Archiving and Purging

There are no archiving or purging requirements within this software.

### 30.16 Components

This component supports the following properties and methods:

#### 30.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent

Property	Datatype	Access	Description
ALLOWPRINT	Boolean	RW	If true, a print button will appear on the detail dialog allowing printing of the contents.
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the "\ " character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
DEFERUPDATE	Boolean	RW	If true, data refresh is deferred until the component becomes visible. If false, data refresh happens immediately.
DETAILPANE	Boolean	RW	If true, a detail pane appears next to the list view that displays detail text of the selected entry. If false, detail text appears in a popup dialog when an entry is clicked.

Property	Datatype	Access	Description
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
ORIENTATION	Enum	RW	Sets the orientation of the detail pane. May be one of: 0 = Horizontal 1 = Vertical
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 31.0 Consults

### 31.1 Introduction

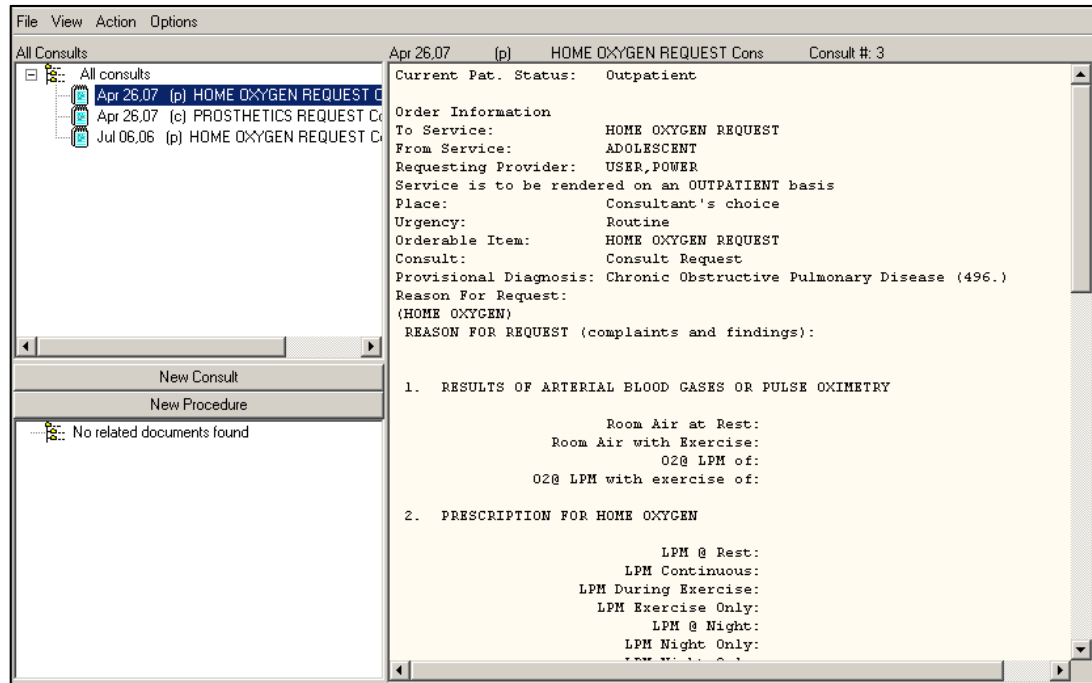


Figure 31-1: Consults component

The Consults (CPRS) component is a front end to the Consult Tracking package.

### 31.2 Architecture and Business Process Overview

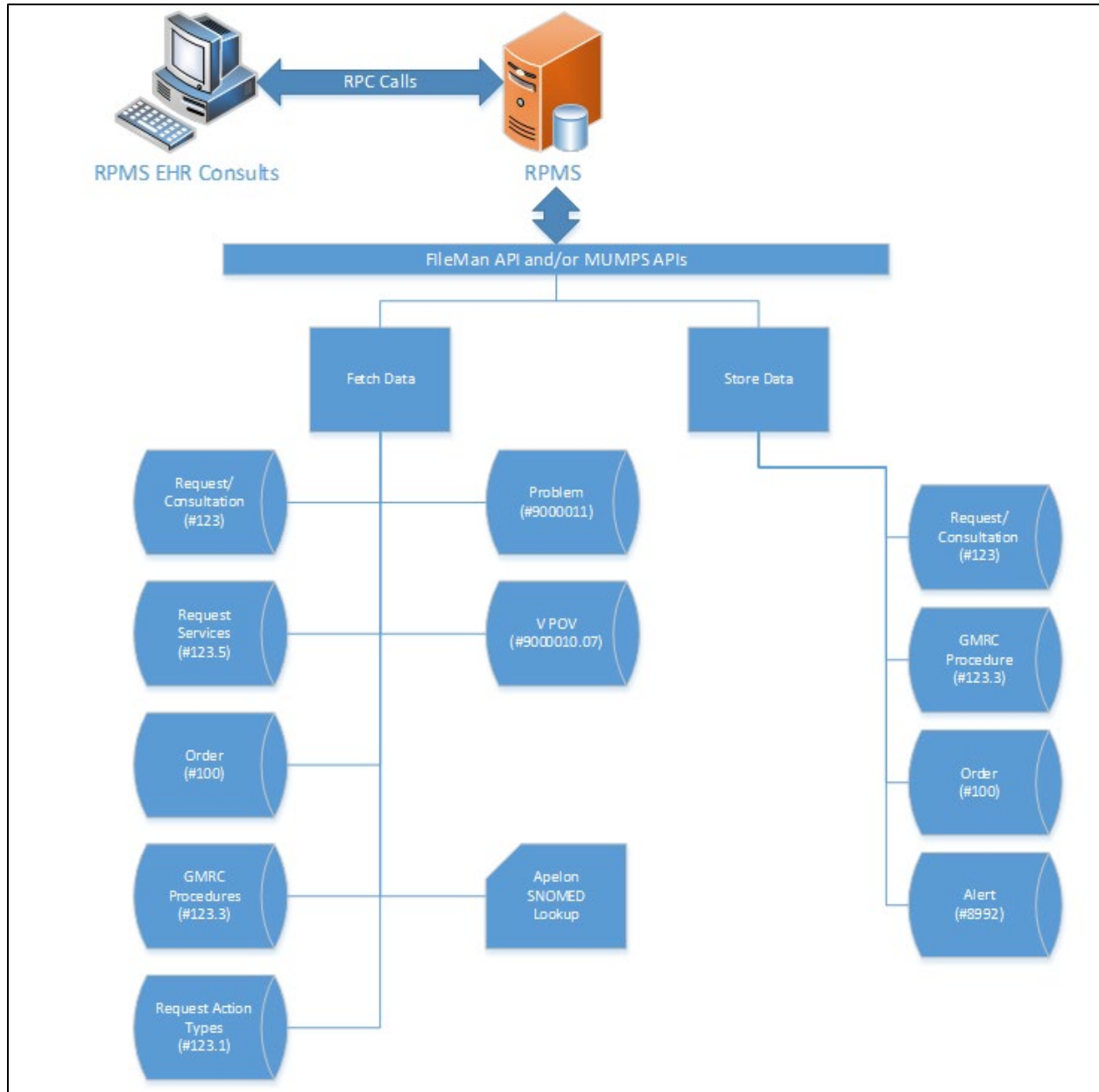


Figure 31-2: Architecture and business process overview

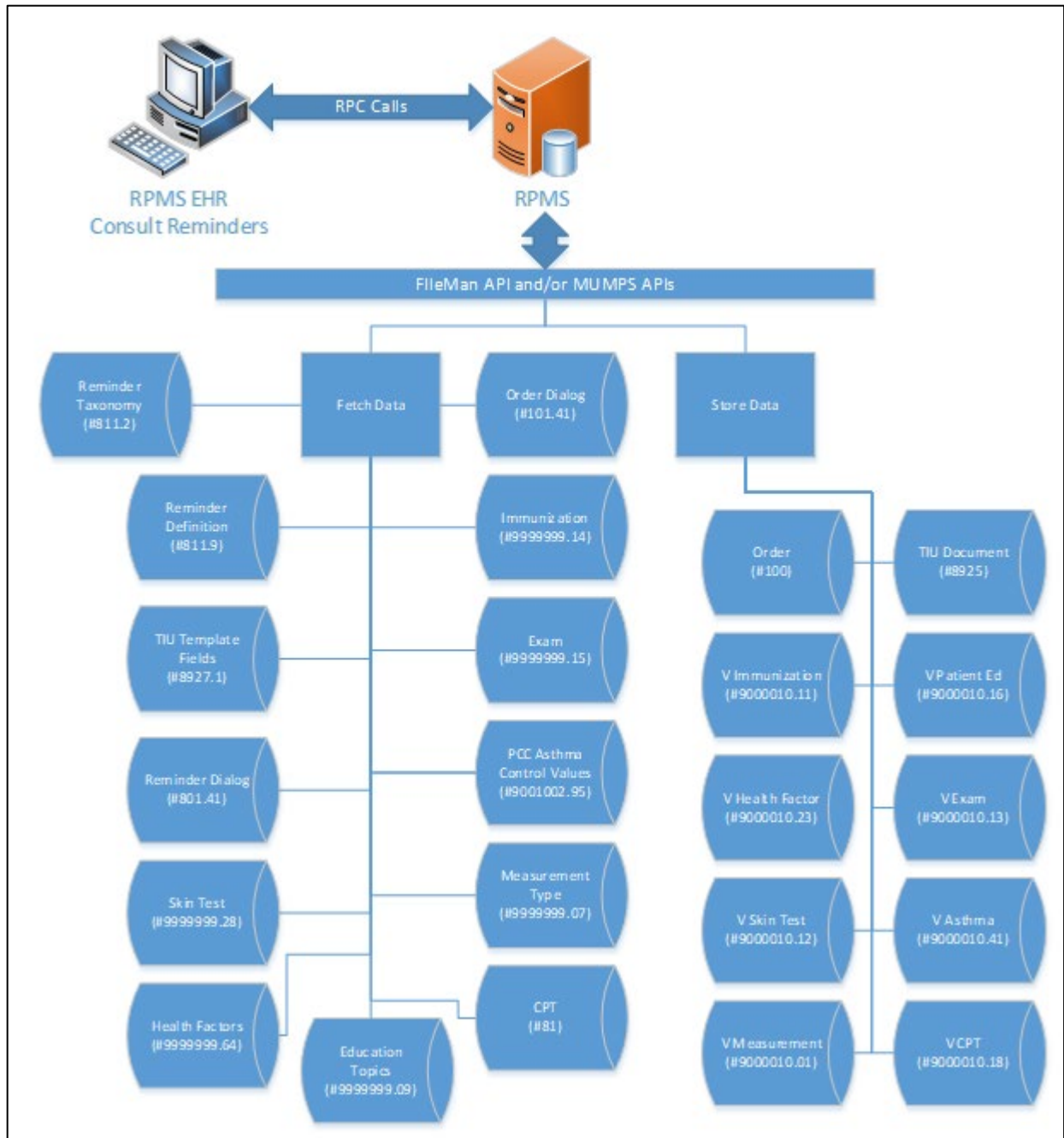


Figure 31-3: Architecture and Business Process Overview



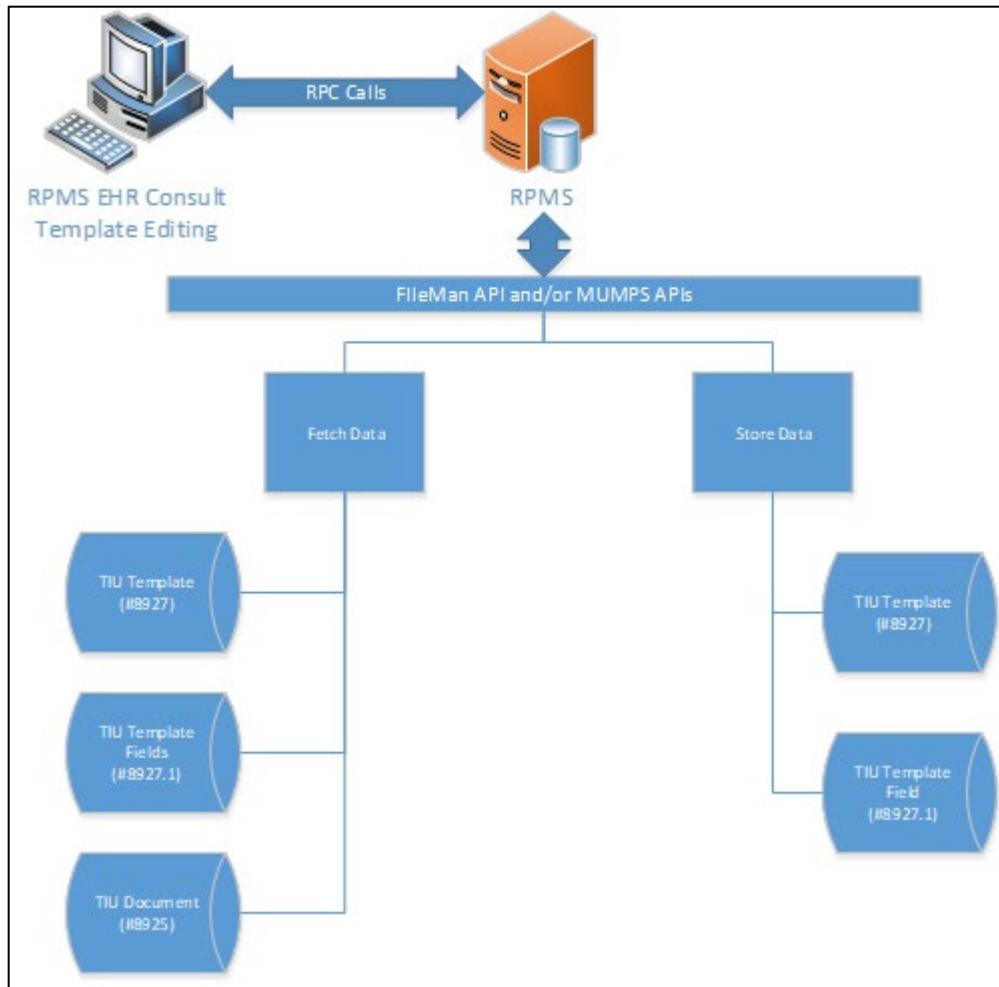


Figure 31-4: Architecture and Business Process Overview

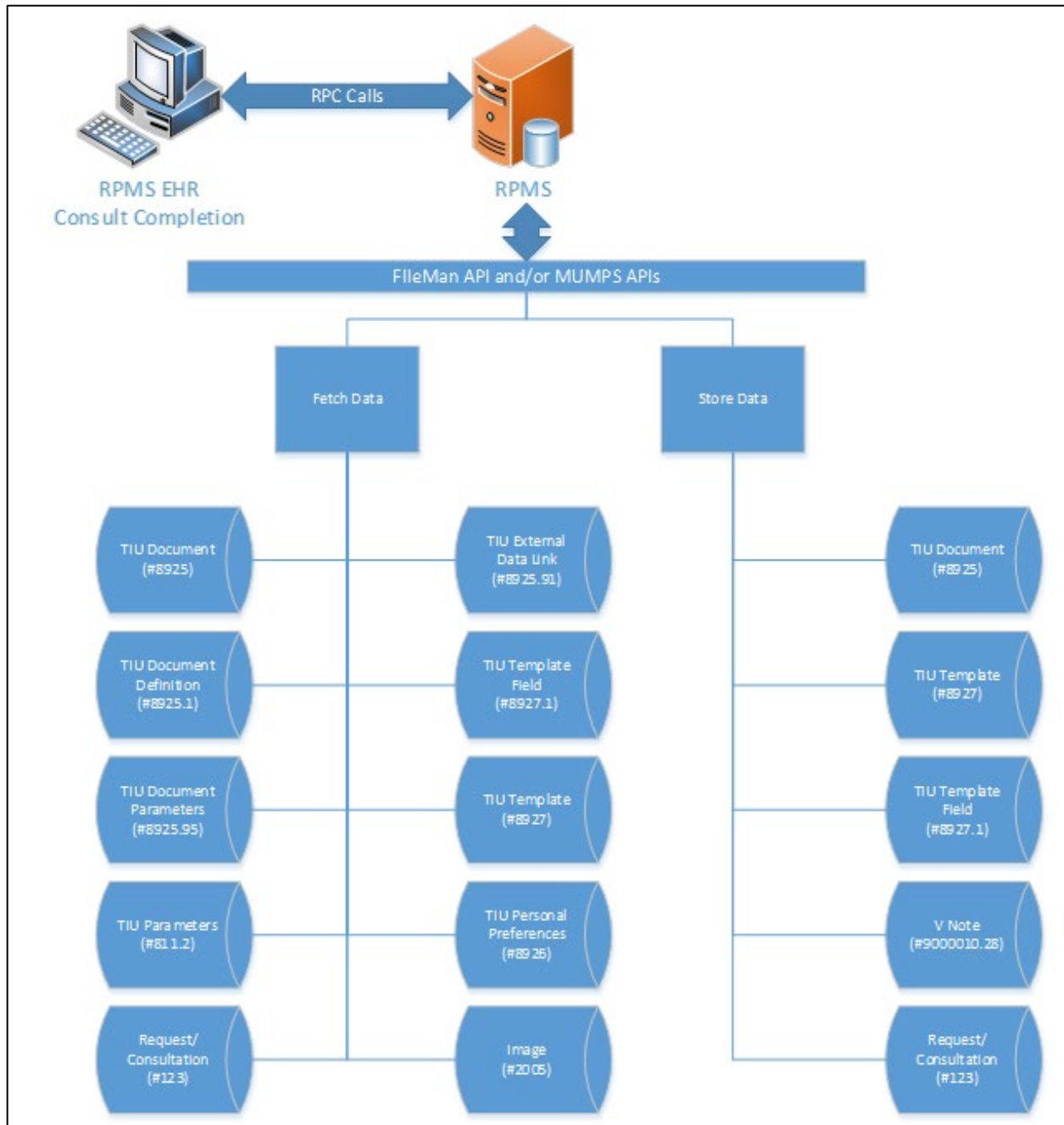


Figure 31-5: Architecture and Business Process Overview

### 31.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHCONSULTS.CONSULTS
Class Identifier	{48467F12-A353-43C8-A438-649925548B1A}

Entity	Value
Image File	BEHConsults.ocx
Property Initializations	
Serializable Properties	AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR
Required Files	BEHConsults.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*017001

There are no specific implementation or maintenance tasks associated with this component.

### 31.4 Routine Descriptions

None.

### 31.5 File List

None.

### 31.6 Cross References

None.

## 31.7 Exported Options

Option	Type	Description
BEHOCN CLONE PROSTHETICS	action	This option allows the copying of one of the nationally exported Prosthetics services. These services have specific data in certain fields that are critical to the interface between Consult/Request Tracking and Prosthetics.
BEHOCN COMPLETION STATISTICS	action	Collect and display (via List Manager) the mean number of days that consults/requests take to be filled, from the time that they are accepted by the service to the time that they are entered as Complete in the computer. Also lists the Standard Deviation and number of consults that were found for a date range.
BEHOCN DUPLICATE SUB-SERVICE	action	This check if any Consult/Request Tracking REQUEST SERVICES (file #123.5) are Sub-Services of more than one Service.
BEHOCN IFC BKG PARAM MON	action	This option allows the viewing of the two parameters involved in the scheduling and running of the IFC background job. The parameters and their current setting is listed along with any information the system can tell from the settings. From this display the start parameter may be edited to a date/time in the future which will have the effect of delaying the next run of the background job until the time defined in this parameter.
BEHOCN IFC INC RPT	action	This option will print all incomplete IFC transactions sorted by Consult number.
BEHOCN IFC INC TRANS	action	This option is used to list and/or retransmit any and all Inter-facility Consult activities that did not complete successfully.
BEHOCN IFC MGMT	menu	This menu contains a collection of options used to implement and manage the Inter-facility Consults interface.
BEHOCN IFC PARAMETER EDIT	action	This option allows the editing of parameters related to the processing of Inter-facility Consult requests.
BEHOCN IFC PRINT RPT NUMBERED	action	Sends the Inter-facility Consult Requests report to a device without going through the List Manager display of the report and waiting for the list to be built.
BEHOCN IFC REMOTE NUMBER	action	This option allows the look-up of a local consult/request when only the remote site and remote consult number are known. Upon look-up, the option includes both a brief and detailed display of the request.

Option	Type	Description
BEHOCN IFC RPT CONSULTS	action	This option provides detailed information regarding inter-facility consults. If not specified, all statuses are utilized. "Routing Facility" data: If selecting requesting site information, this refers to the facility the consult is sent to; if selecting consulting site information, this refers to the facility the consult is sent from. "Days Diff" data: This refers to the (whole number) of days difference between the COMPLETE activity date/time and one of the following activity date/time (if one doesn't exist, retrieve the next): RECEIVED, ENTERED IN CPRS, SERVICE ENTERED, FILE ENTRY DATE. All date/time data must be in the range selected. Field REMOTE ACTIVITY TIME ZONE is NOT figured into the calculations. "Rec Date" data: For IFC consulting site report requests only, the option checks for DATE/TIME OF ACTION ENTRY for activity of REMOTE REQUEST RECEIVED, and if that doesn't exist it checks for DATE/TIME OF ACTION ENTRY for the activity of RECEIVED. Only date is listed in the report. "Mean Days Completed To Service <service> @ <facility>" data: For only those entries in which Days Diff exists, this calculation for each service at each routing facility is: Days Diff total divided by Number of Days Diff values. "Mean Days Completed To Service <service>" data: For only those entries in which Days Diff exists, this calculation for each service is: Days Diff total divided by Number of Days Diff values.
BEHOCN IFC RPT CONSULTS BY PT	action	This option provides actions which a service may use to track inter-facility consults and requests. The processing flow is similar to the OE/RR review screen. Most of the actions have the same mnemonics as OE/RR for clinician familiarity.
BEHOCN IFC RPT CONSULTS BY REM	action	This option provides detailed information regarding inter-facility consults by remote ordering provider for consulting sites to utilize.
BEHOCN IFC TEST PT MPI	action	WARNING: This option is for use in test accounts ONLY! This option will not function in a production VistA environment. This option will use the social security number of the patient and create a pseudo-ICN for the patient selected. If the patient name and social security number are the same at the local facility and the IFC partnering facility, the selected patient can be used for IFC testing after this option is executed on both systems.

Option	Type	Description
BEHO CN IFC TEST SETUP	action	This option can be used to test the IFC setup for a given procedure or consult service. After selection of the service or procedure, the remote site will be contacted, and the procedure or service name will be confirmed as correct. Any errors encountered will be listed.
BEHO CN IFC TRANS	action	This option is used to list any or all Inter-facility Consult entries from the IFC MESSAGE LOG file (#123.6). NOTE: The parameter GMRC RETAIN IFC ACTIVITY DAYS controls the number of days that completed Inter-facility Consult transactions are maintained in the IFC MESSAGE LOG (#123.6) file.
BEHO CN LIST HIERARCHY	action	This option will allow the Consult Service hierarchy to be printed. The listing will include all disabled and tracking only services. Any services in the REQUEST SERVICES (#123.5) file that are not part of the hierarchy will be listed at the end.
BEHO CN MAIN	menu	Contains utilities which aid in the management of consultation requests site setup and maintenance.
BEHO CN NOTIFICATION RECIPS	action	Determine Notification Recipients for a Service
BEHO CN PHARMACY TPN CONSULTS	action	Pharmacy TPN Consults
BEHO CN PRINT BY SEARCH	action	This option will compile a list of consult requests based on Provider, Location, or Procedure search criteria. Date range, status, and output formats are selectable parameters. There are additional prompts for selection of local, remote, or both local and remote Provider(s) and Location(s). For the purposes of this option, "local" refers to non-Inter-facility requests and Inter-facility requests originating locally; "remote" only refers to Inter-facility requests originating at another site.
BEHO CN PRINT COMPLETION STAT	action	Sends the Completion Time Statistics report to a device without going through the List Manager display of the report and waiting for the list to be built.
BEHO CN PRINT RPT NUMBERED	action	Sends the Service Consults By Status report to a device without going through the List Manager display of the report and waiting for the list to be built.

Option	Type	Description
BEHO CN PRINT TEST PAGE	action	This option allows a user to select a printer for reviewing print parameters. A report is generated which includes the current device print parameters and a ruler to verify the length of the current print page. A description of how to use the ruler is included in the report.
BEHO CN PROCEDURE SETUP	action	Setup Procedures
BEHO CN REPORTS	menu	Consult Tracking Reports
BEHO CN RPT COMPLETE CONSULTS	action	Service Consults Completed
BEHO CN RPT COMPLETE/PENDING	action	Service Consults Completed or Pending Resolution
BEHO CN RPT CONSULTS BY STATUS	action	Service Consults By Status
BEHO CN RPT NUMBERED CONSULTS	action	Service Consults with Consults Numbers
BEHO CN RPT PENDING CONSULTS	action	Service Consults Pending Resolution
BEHO CN SERVICE TRACKING	action	This option provides actions which a service may use to track consults and requests. The processing flow is similar to the OE/RR review screen. Most of the actions have the same mnemonics as OE/RR for clinician familiarity.
BEHO CN SERVICE USER MGMT	edit	This option is used to identify individuals or teams which should be notified when a Consult/Request is being sent to their receiving service. It is also used to identify individuals who will not be notified when consults are being sent to the service but DO have update/tracking capabilities for the service. Individuals or teams may also be notified of a new consult based on the Patient's Location. When a Consult/Request is sent to a service, the Patient Location will be checked. If the receiving service has broken down their service notification by Hospital location, the notification will be sent to the individual and/or a team defined in this option.

Option	Type	Description
BEHOCN SETUP REQUEST SERVICES	action	This option is used to setup the Hospital hierarchy of services and specialties. Each service/specialty defined in this file may be setup to have a consult print at its own service printer when the consult is entered and signed using the "Add orders" menus in OE/RR. Teams of clinicians may also be associated with each Service/Specialty. The team members will be notified when a new consult is ordered from their service/specialty.
BEHOCN STSU	action	This option will allow a search of the REQUEST/CONSULTATION (#123) file for requests to a particular service within a date range. The status of the entries meeting the selected criteria may be updated to COMPLETE or DISCONTINUED. A comment of up to 256 characters may be entered once and attached to each of the entries. A report of those records to be updated may be printed without performing the status updates. The option also allows printing of the records along with the status updates. The status of the corresponding order in CPRS will be updated to match that in file 123. Only the user entered in the SPECIAL UPDATES INDIVIDUAL field #123.5 of the REQUEST SERVICES (#123.5) file will be allowed to perform the updates for the chosen service.
BEHOCN TEST DEFAULT REASON	action	This option will allow the Clinical Coordinator or IRM to test the default reason for request for a given service or procedure without placing an order. This option prompts for the selection of a procedure or a service from the consult hierarchy and a patient name. The default reason will be presented based on the selected patient in a list manager format. This format allows searching, printing etc.
BEHOCN UPDATE AUTHORITY	action	This option will determine a selected user's update authority for a selected service in the consult hierarchy.
BEHOCN USER NOTIFICATION	action	This option will determine if a user would be a notification recipient for a selected service.

## 31.8 Exported Security Keys

None.



### 31.9 Exported Protocols

None.

### 31.10 Exported Parameters

None.

### 31.11 Exported Mail Groups

None.

### 31.12 Callable Routines

None.

### 31.13 External Relations

Entity	Name	Description
Package	CONSULT/REQUEST TRACKING 3.0	Uses supported APIs.

### 31.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported APIs.

### 31.15 Archiving and Purging

There are no archiving or purging requirements within this software.

### 31.16 Components

This component supports the following properties and methods:

## 31.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 32.0 Discharge Summary

### 32.1 Introduction

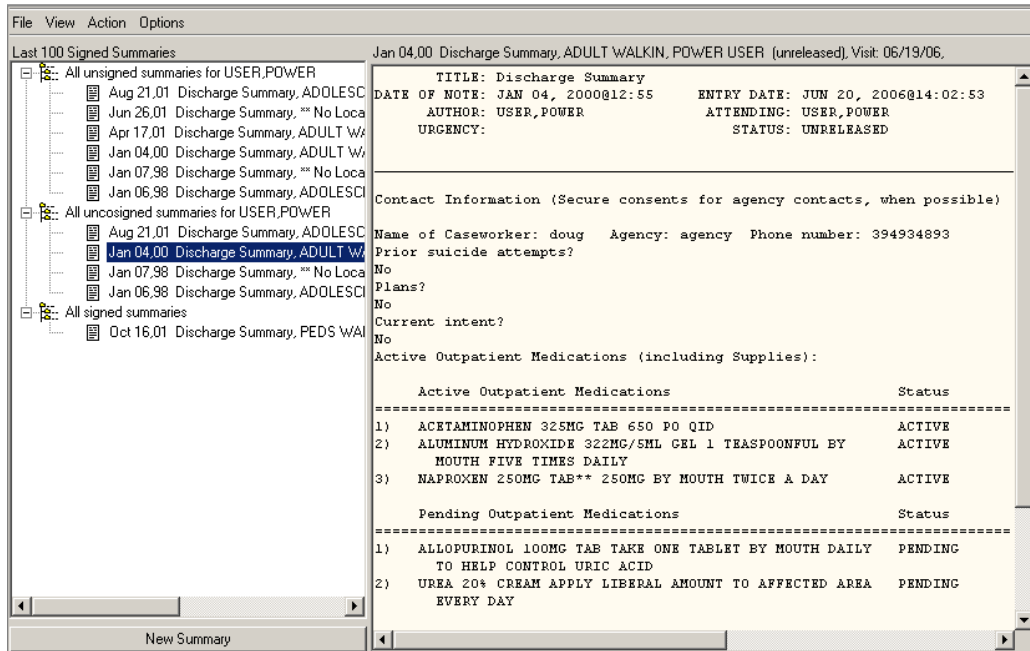


Figure 32-1: Discharge Summary

The Discharge Summary (CPRS) facilitates authoring and management of discharge summaries.

### 32.2 Architecture and Business Process Overviews

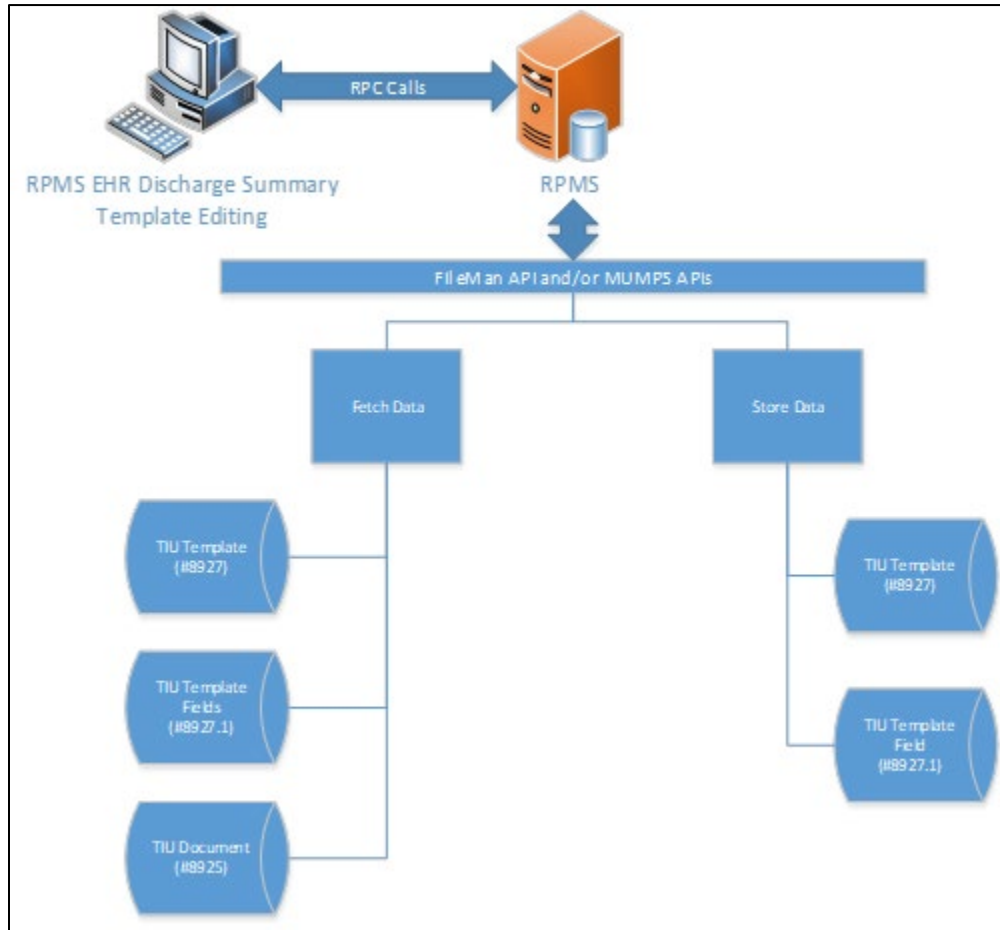


Figure 32-2: Architecture and business process overview

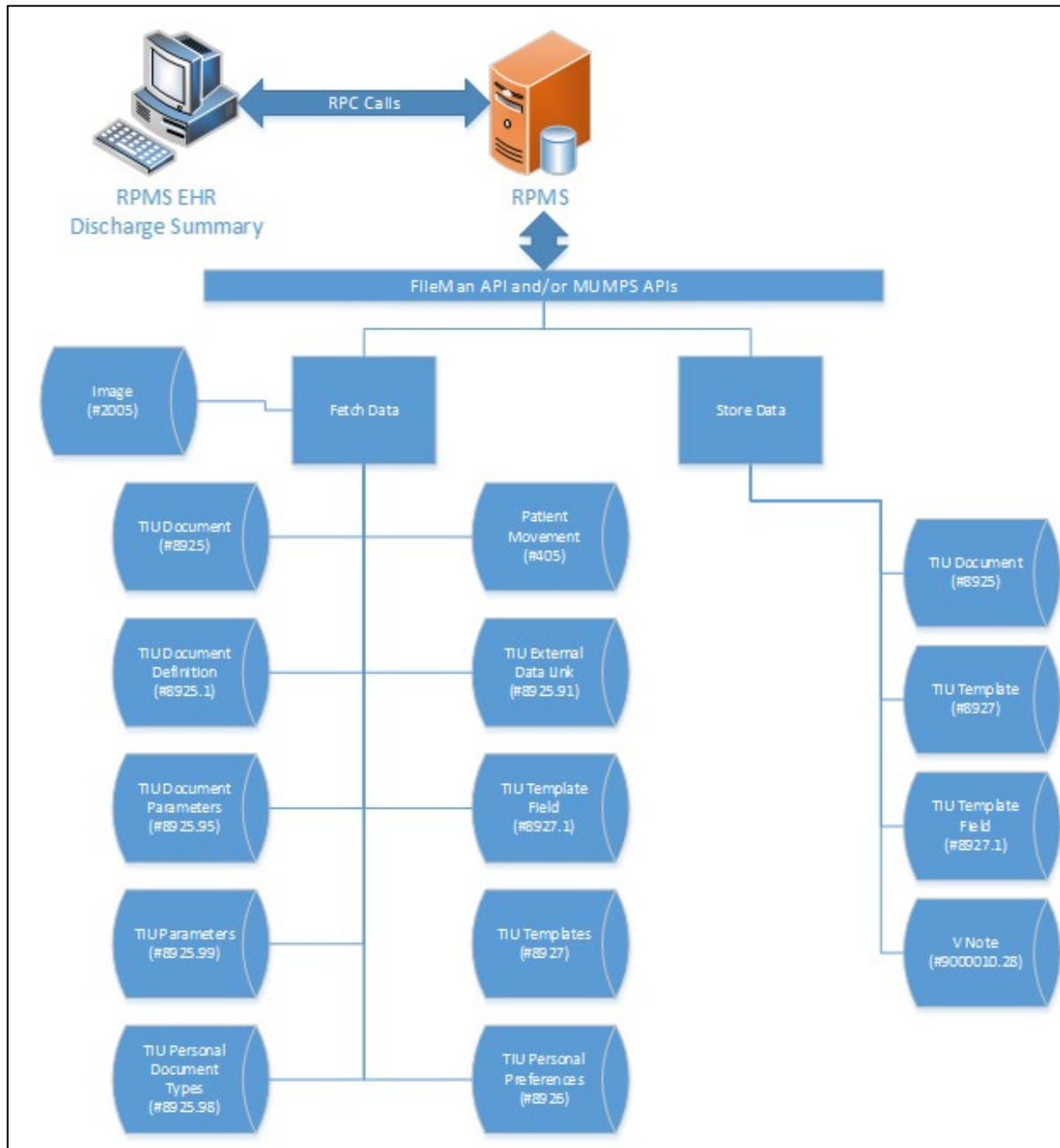


Figure 32-3: Architecture and Business Process Overview

### 32.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHDCSUMM.DCSUMM
Class Identifier	{7D11897E-AC36-4CEF-B338-CA559B7206DE}

Entity	Value
Image File	BEHDCSumm.ocx
Property Initializations	
Serializable Properties	AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR
Required Files	BEHDCSumm.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*018001

There are no specific implementation or maintenance tasks associated with this component.

## 32.4 Routine Descriptions

None.

## 32.5 File List

None.

## 32.6 Cross References

None.

## 32.7 Exported Options

None.

## 32.8 Exported Security Keys

None.

### 32.9 Exported Protocols

None.

### 32.10 Exported Parameters

None.

### 32.11 Exported Mail Groups

None.

### 32.12 Callable Routines

None.

### 32.13 External Relations

Entity	Name	Description
Package	TIU 1.0	Uses supported APIs.

### 32.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported APIs.

### 32.15 Archiving and Purging

There are no archiving or purging requirements within this software.



## 32.16 Components

This component supports the following properties and methods:

### 32.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.

Property	Datatype	Access	Description
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 33.0 Progress Notes

### 33.1 Introduction

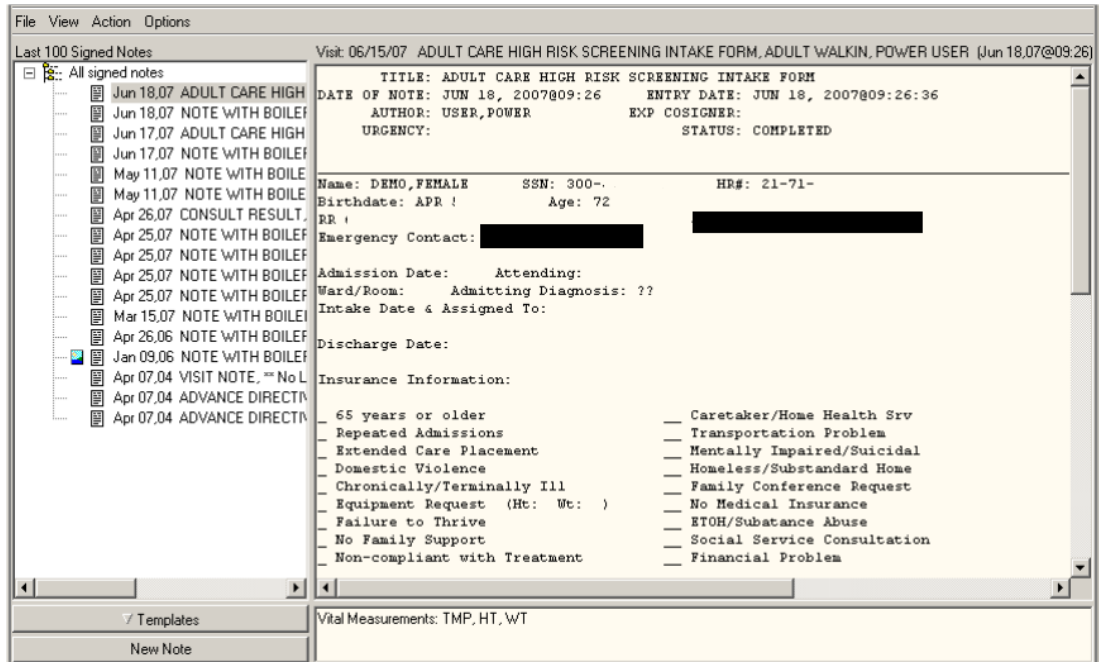


Figure 33-1: Progress Notes component

The Progress Notes component facilitates the authoring and management of progress notes.

### 33.2 Architecture and Business Process Overview

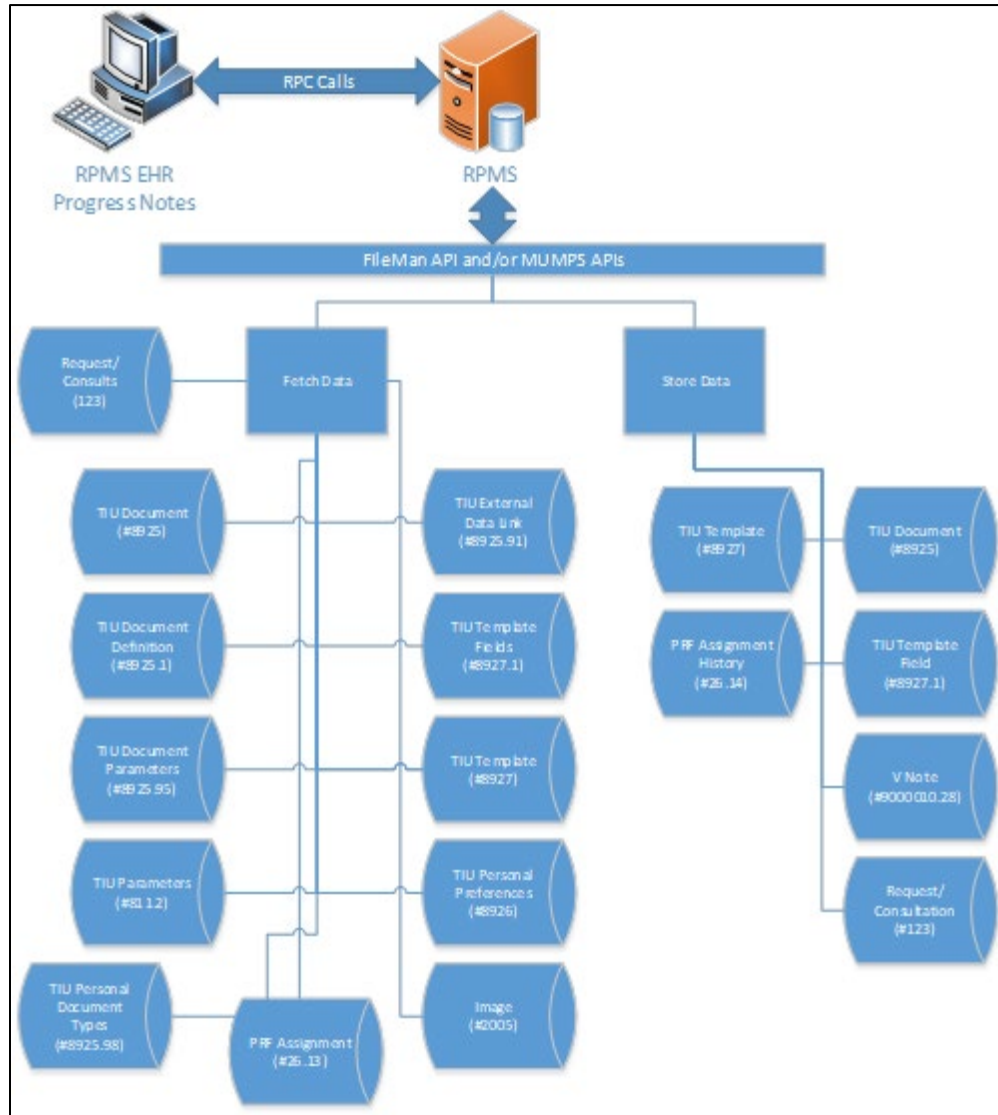


Figure 33-2: Architecture and business process overview

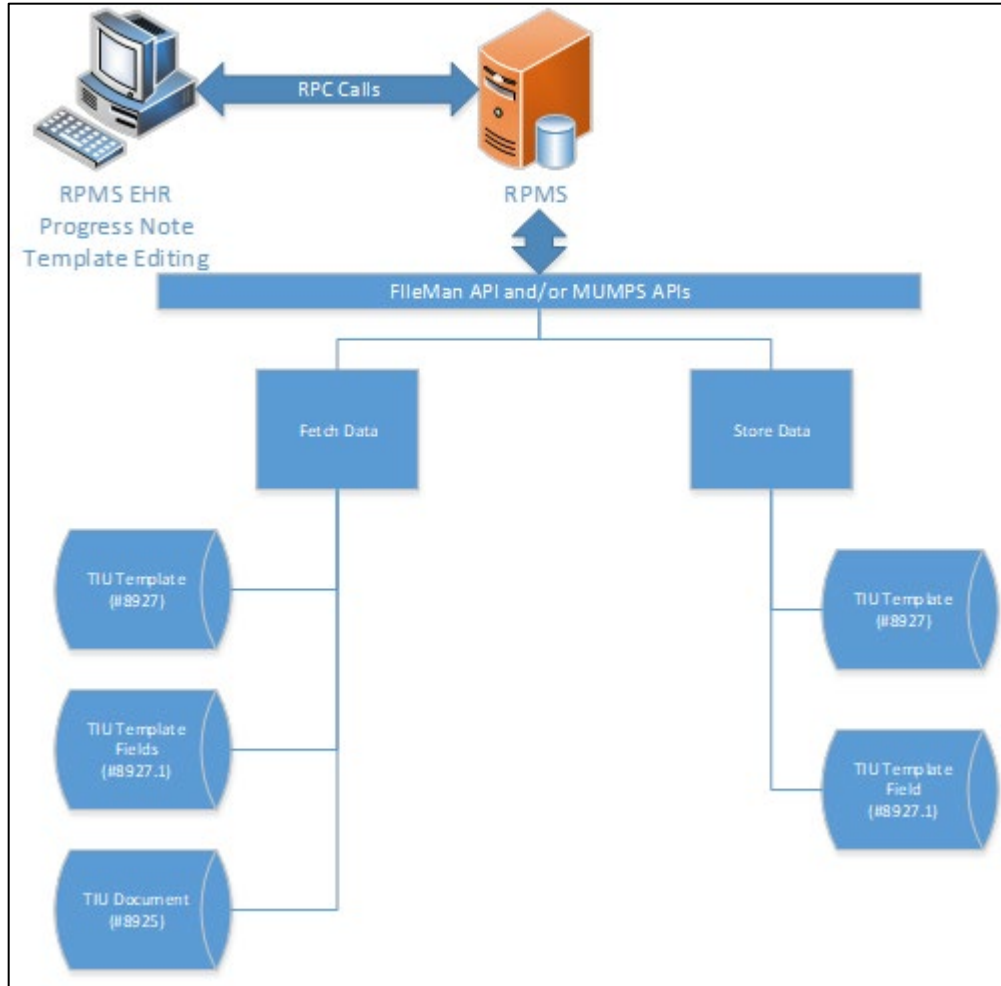


Figure 33-3: Architecture and Business Process Overview

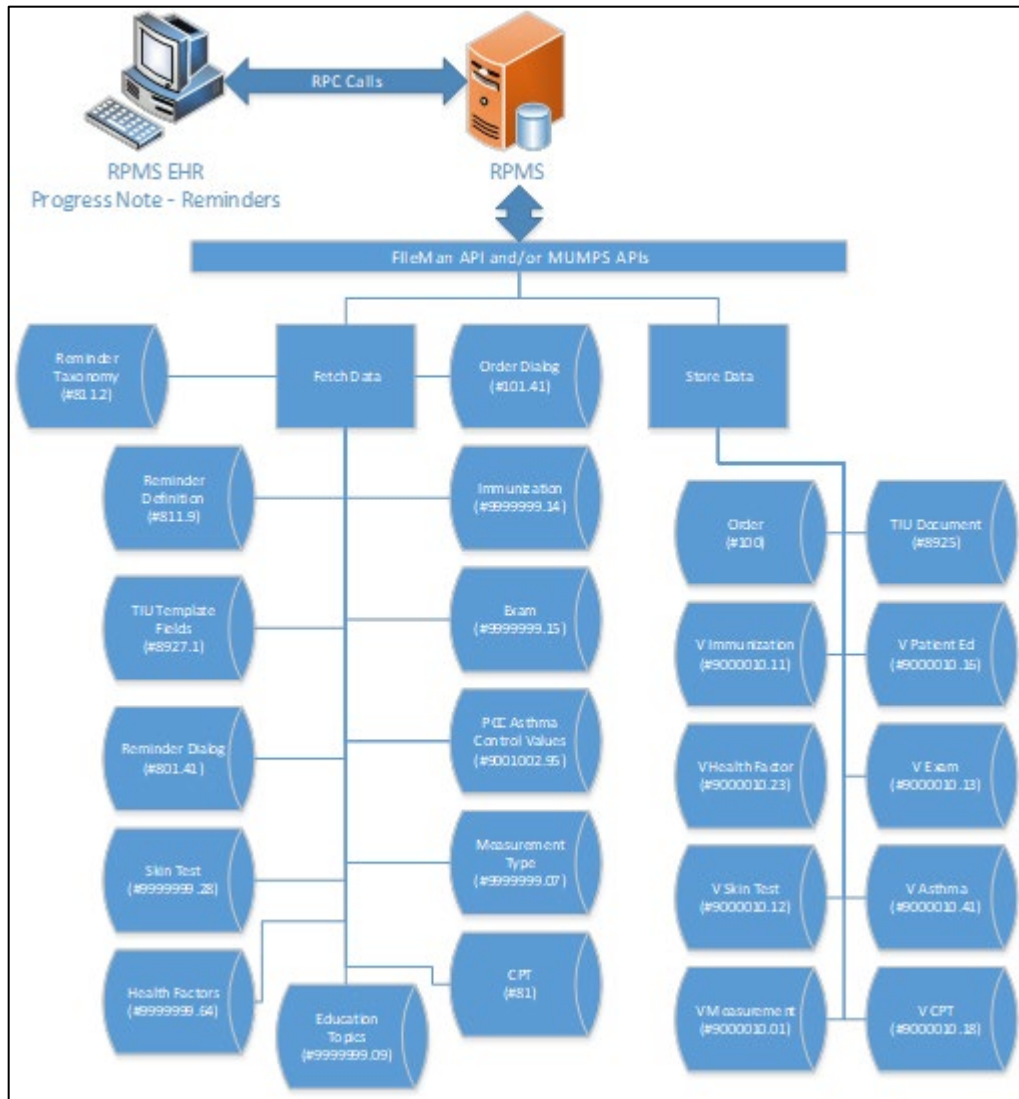


Figure 33-4: Architecture and Business Process Overview

### 33.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHNOTES.PROGRESSNOTES
Class Identifier	{AA1670AC-315C-4352-9F78-A4BE5515D986}
Image File	BEHNotes.ocx
Property Initializations	none
Serializable Properties	AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR

Entity	Value
Required Files	BEHNotes.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*015003

There are no specific implementation or maintenance tasks associated with this component.

### 33.4 Routine Descriptions

None.

### 33.5 File List

None.

### 33.6 Cross References

None.

### 33.7 Exported Options

Option	Type	Description
BEHOTI MAIN	menu	TIU configuration menu.
BEHOTIPA AUTOSAVE NOTE	action	This parameter determines how many seconds should elapse between each auto-save of a note that is being edited in the graphical interface.
BEHOTIPA DEFAULT TEMPLATES	action	Default Template for Document Type
BEHOTIPA FIELD EDITOR CLASSES	action	Template Field Editor User Classes
BEHOTIPA MAIN	menu	TIU Parameters
BEHOTIPA PERSONAL TEMPL ACCESS	action	Personal Template Access

Option	Type	Description
BEHOTIPA TEMPL ACCESS BY CLASS	action	Personal Template Access by User Class
BEHOTIPA TEMPL PERSONAL OBJ	action	Allowed Personal Template Objects
BEHOTIPA TEMPL REM DIALOGS	action	Reminder Dialogs Allowed as Templates
BEHOTIPA TEMPL USER AUTO DEL	action	Auto Cleanup Upon User Termination
BEHOTIPA VERIFY NOTE TITLE	action	If this parameter is set to YES, the window that allows the user to change a note title will appear whenever the user starts to enter a new note, even if they have a default title. If the parameter is set to NO, -and- the user has a default title, that title will be automatically loaded when a new note is entered.

### 33.8 Exported Security Keys

None.

### 33.9 Exported Protocols

None.

### 33.10 Exported Parameters

None.

### 33.11 Exported Mail Groups

None.

### 33.12 Callable Routines

None.

### 33.13 External Relations

Entity	Name	Description
Package	TIU 1.0	Uses supported APIs.



## 33.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported APIs.

## 33.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 33.16 Components

This component supports the following properties and methods:

### 33.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised

Property	Datatype	Access	Description
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 34.0 Dictate Note

### 34.1 Introduction



Figure 34-1: Dictate Note component

The Dictate Note component supports the use of transcription services.

### 34.2 Architecture and Business Process Overview

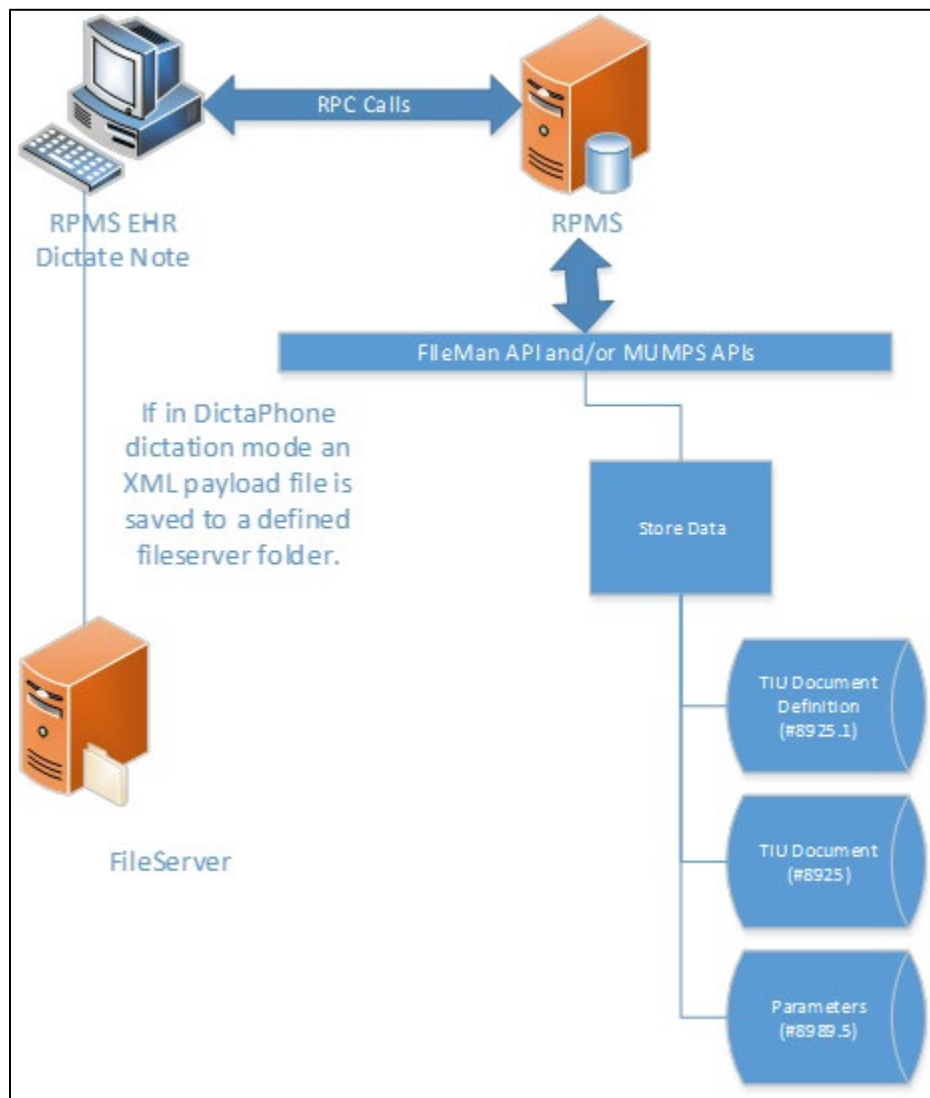


Figure 34-2: Architecture and business process overview

### 34.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHDICTATE.DICTATE
Class Identifier	{9615A38C-663E-4368-952D-590796DA713B}
Image File	BEHDictate.ocx
Property Initializations	XMLFILE=C:\DICTAPHONE\STUDY.XML, HL7FILEMASK=C:\DICTAPHONE\%s.TXT
Serializable Properties	CAPTION=TEXT, COLOR=COLOR
Required Files	
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*040002

There are no specific implementation or maintenance tasks associated with this component.

### 34.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHODC”. The following routines are distributed:

Routine	Description
BEHODC BEHODC6 BEHODC7 BEHODC8	Dictation support
BEHODCH	Dictation boilerplate header
BEHODCIN	Installation support
BEHODCP	Progress note lookup logic
BEHODCS	Discharge summary lookup logic.

### 34.5 File List

None.

### 34.6 Cross References

None.

### 34.7 Exported Options

Option	Type	Description
BEHODC BATCH NOTE UPLOAD	run routine	Batch note upload.

### 34.8 Exported Security Keys

None.

### 34.9 Exported Protocols

None.

### 34.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BEHODC ARCHIVE FOLDER		Text	System	Network path for archive folder.
BEHODC DIALOG TEXT	Text	Word Processing	Division, System	Holds dialog message text for the vcDictate component.
BEHODC DICTATION NOTE TITLES	Numeric (Sequence #)	Pointer (#8925.1)	User, Class, Service, Division, System	This parameter holds a list of TIU document titles that are used with the Dictate component.

Parameter	Instance Type	Value Type	Precedence	Description
BEHODC MAXIMUM LINES		Numeric	System	This parameter holds a value that will be checked during the importing of a host file. If the number of lines stored in the TIU UPLOAD BUFFER file exceeds this value, the process will be halted, the buffer entry removed, and the file moved to the network folder stored in the BEHODC PROBLEM FOLDER parameter.
BEHODC PROBLEM FOLDER		Text	System	Network path for problem folder.
BEHODC SOURCE FOLDER		Text	System	Network path for source folder.

### 34.11 Exported Mail Groups

Mail Group	Description
BEHODC PROBLEM FILE	Used by the Dictated Note Upload utility to notify members of a document that has exceeded the maximum number of lines.

### 34.12 Callable Routines

This section describes supported entry points for routines exported with this component.

#### 34.12.1 RPC: BEHODC GDTITLES

Scope: private

Returns the list of titles defined in the Parameter File and accessible to the user.

### 34.12.2 BATCH^BEHODC

Scope: private

Used by the tasked background processor to loop thru files in a system directory.

### 34.12.3 GETFILE^BEHODC

Scope: private

Parameter	Datatype	Description
FILE	String	Name of input file containing document.

Used by background processor to file a document.

### 34.12.4 EN^BEHODC6

Scope: private

Processes message from PACS system for notes and stores contents into TIU. The format is an HL7 message with each line of the note as a separate OBX segment. The note IEN is sent in the message.

### 34.12.5 PID^BEHODC6

Scope: private

Checks the PID segment.

### 34.12.6 KIL^BEHODC6

Scope: private

Cleans up the environment.

### 34.12.7 PROCESS^BEHODC7

Scope: private

Main processing routine for message that was received through HL7 and is to be stored in TIU.

### 34.12.8 OBX^BEHODC7

Scope: private

Process an OBX segment.

### 34.12.9 \$\$AGTEXT^BEHODC7

Scope: private

Return agency-specific text.

### 34.12.10 BOTH^BEHODC8

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
EVNDT	FM Date/Time	Event date/time
ERRTEXT	String	Text of error message.

Sends error text as a message acknowledgement and a local bulletin.

### 34.12.11 GENACK^BEHODC8

Scope: private

Generate an HL7 ACK message.

## 34.13 External Relations

Entity	Name	Description
Package	TIU 1.0	Uses supported APIs.
Package	HL7 1.6	Uses supported APIs.

## 34.14 Internal Relations

None.

## 34.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 34.16 Components

This component supports the following properties and methods:



## 34.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the button caption.
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
GLYPH	String	RW	Name of bitmap file containing glyphs to be displayed on button surface.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPEFILE	String	RW	Sets the name of the help file associated with the component.
HL7FILEMASK	String	RW	Must contain the path to the PACSBRIDGE server and the user must have access to place files on that system.

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
NUMGLYPHS	Integer	RW	Number of glyphs contained in glyph file.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.
XMLFILE	String	RW	Must point to a local directory to which the user has access on the client system.

# 35.0 Medication Management

## 35.1 Introduction

File View Action									
Active Only		Chronic Only		180 days		Print...		Process... New...	
Action	Chronic	Outpatient Medications	Status	Issued	Last Filled	Expires	Refills Remaining	Rx #	Provider
	✓	ACETAMINOPHEN 325MG TAB Qty: 100 for 30 days Sig: TAKE ONE TABLET BY MOUTH TO RELIEVE PAIN OR FEVER	Active	21-Aug-2006	21-Aug-2006	22-Aug-2007	1	1626316	USER,POWER
	✓	ACETAMINOPHEN 325MG TAB Qty: 240 for 30 days Sig: TAKE ONE TABLET BY MOUTH FIVE TIMES DAILY TO RELIEVE PAIN OR FEVER	Active	15-Jun-2007	15-Jun-2007	15-Jul-2007	0	1626325	USER,POWER
		CIMETIDINE 300MG TAB Qty: 30 for 30 days Sig: TAKE ONE TABLET BY MOUTH BEFORE MEALS AND AT BEDTIME TO HELP CONTROL STOMACH ACID	Active	21-Aug-2006	21-Aug-2006	22-Aug-2007	1	1626317	USER,POWER
		ACETAMINOPHEN 325MG TAB Qty: 480 for 30 days Sig: TAKE TWO TABLETS BY MOUTH FIVE TIMES DAILY TO RELIEVE PAIN OR FEVER	Active	31-May-2007	31-May-2007	30-Jun-2007	0	1626324	USER,POWER
		ALLOPURINOL 100MG TAB Qty: 30 for 30 days Sig: TAKE ONE TABLET BY MOUTH DAILY TO HELP CONTROL URIC ACID	Expired	30-Dec-2005	18-Aug-2006	31-Dec-2006	1	1626315	USER,POWER
Inpatient Medications									
		METHYLDOPATE INJ Give: 50MG/1ML IM AC					Pending		

Figure 35-1: Medication Management component

The Medication Management component facilitates ordering and viewing of a patient’s medications.

### 35.2 Architecture and Business Process Overview

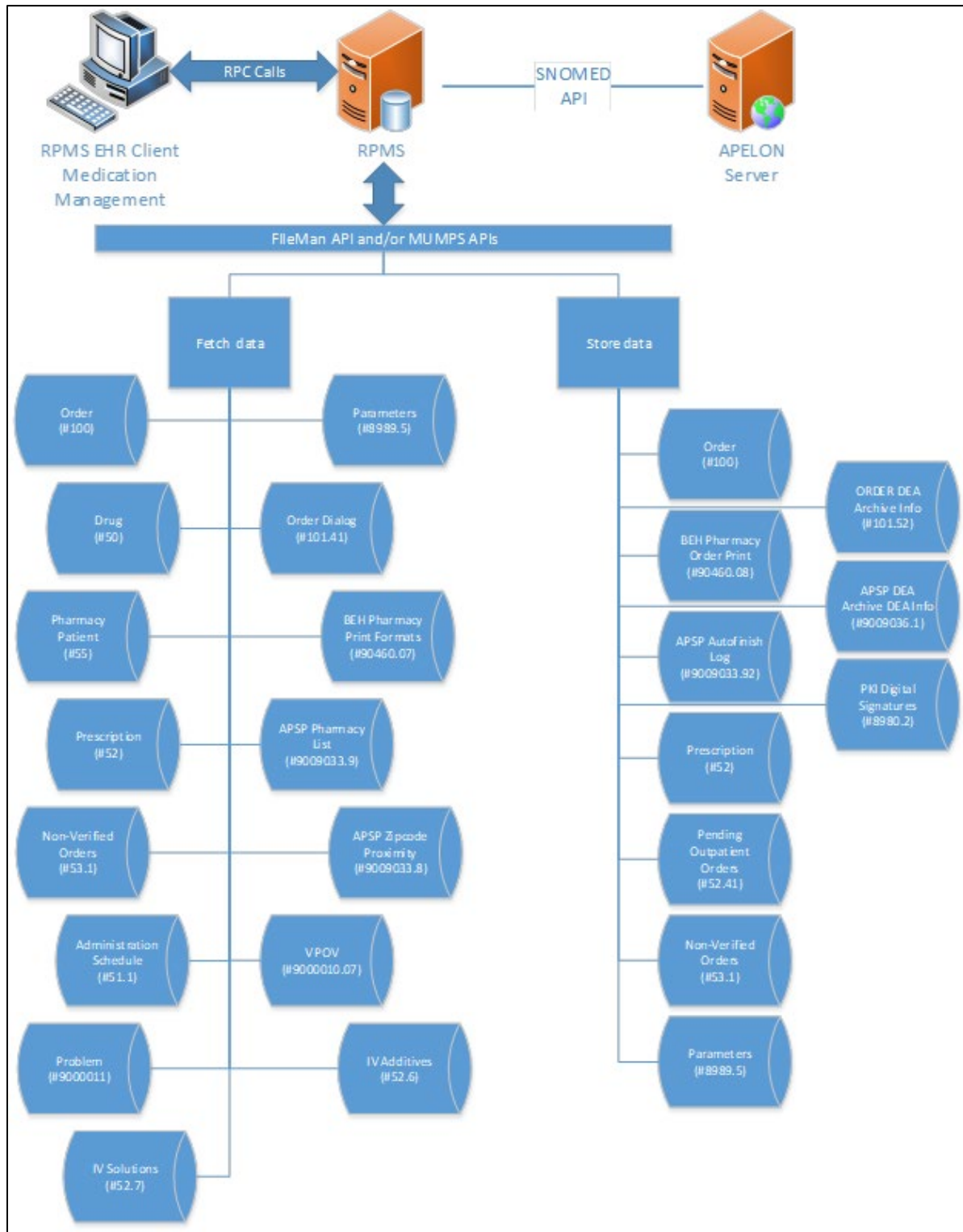


Figure 35-2: Architecture and business process overview

### 35.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHMEDS.MEDMANAGEMENT
Class Identifier	{1FA8437A-C30C-496B-BE5A-ABA3E0C82EDE}
Image File	BEHMeds.ocx
Property Initializations	none
Serializable Properties	AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR
Required Files	BEHMeds.chm
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*009014

There are no specific implementation or maintenance tasks associated with this component.

### 35.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHORX”. The following routines are distributed:

Routine	Description
BEHORXF1	Rx Generator Service support
BEHORXF2	Rx Generator Service support
BEHORXF3	Med Order Lab Test Lookup support
BEHORXF4	eRX Support
BEHORXFM	Rx Generator Service support for print layouts
BEHORXFN	Medication management support.
BEHORXIN	Installation support.
BEHORXPS	Prescription Print Support

Routine	Description
BEHORXRT	Prescription Receipt Print Support
BEHORXSP	Support for special medication ordering

## 35.5 File List

The following files are exported.

### 35.5.1 BEH PHARMACY ORDER PRINT (#90460.08)

This file captures print activity for pharmacy orders requiring a wet signature.

Field Name	#	Datatype	Indexes	Description
PRINT DATE	.01	Date/Time	B – Standard	Date/Time of print activity
ORDER	.02	Pointer (#100)		Associated Order
USER	.03	Pointer (#200)		Associated User
ACTION	.04	Set		P:Print ; R:Reprint
DEVICE	1	Text		Holds name of device
COMMENT	2	Text		Additional information

### 35.5.2 BEH PHARMACY PRINT FORMATS (#90460.07)

This file contains print formats referenced by the BEHRXGenerator service.

Field Name	#	Datatype	Indexes	Description
FORMAT NAME	.01	Text	B – Standard	Print format name
TYPE	.02	Set		Available values: PC:RX CII PN:RX NON OC:ORDER CII ON:ORDER NON RC:RECEIPT CII RN:RECEIPT NON-CII LC:LABEL CII LN:LABEL NON-CII PF:RX C35 OF:ORDER C35
ACTIVE ON	.03	Date/Time		Format active date
INACTIVE ON	.04	Date/Time		Form inactive date
FORMAT	1	Word-Processing		Holds XML format saved by BEHRXGenerator Service

## 35.6 Cross References

None.

## 35.7 Exported Options

Option	Type	Description
BEHORX COLLATION ORDER	action	Sets default collation order.
BEHORX DAYS ACTIVE	action	Sets days of medication activity.
BEHORX ENABLE EARLIEST DATE	action	Enable display of Earliest Date Panel on Outpatient Medication order dialog
BEHORX MAIN	menu	Medication management configuration menu.
BEHORX MAX DAYS SUPPLY	action	Maximum Allowable Days' Supply
BEHORX MAX DAYS SUPPLY CS	action	Maximum Allowable Days' Supply for controlled substances
BEHORX OUTSIDE MED DOSAGE FORM	action	Outside Med Dosage Form
BEHORX POI LAB MGR	action	POI Lab Test Manager
BEHORX PRINT DEA ALL RX	action	Print DEA on all Prescriptions
BEHORX PRINT DEFAULT	action	Set Default Printers for Medication Reports
BEHORX PRINT LABEL	action	Enable Printing of Sample Labels
BEHORX PRINT MAIN	action	Medication Report Configuration
BEHORX PRINT SCRIPT	action	Enable Printing of Prescriptions
BEHORX PRINT SCRIPT MAX	action	Sets Maximum # of Scripts per page
BEHORX REQUIRE SUPERVISOR CS	action	Sets list of user classes requiring a supervisor
BEHORX RX EXPIRED MAX	action	Sets renewal limit for expired meds.
BEHORX SCRIPT CUSTOM FORMAT	action	Custom Prescription Format
BEHORX SCRIPT FOOTER	action	Prescription Footer
BEHORX SCRIPT FORMAT	action	Prescription Format
BEHORX SCRIPT HEADER	action	Prescription Header
BEHORX SPLITTER SIZE	action	Sets Med Tab Splitter size

## 35.8 Exported Security Keys

None.

## 35.9 Exported Protocols

None.

## 35.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BEHORX AUTO-RECEIPT		Yes/No	Division, System	Enable Auto Receipt Queue
BEHORX COLLATION ORDER		Text	User, Division, System	Controls the default collation order for the medication list. May be one or more of the following values: C = Chronic med status E = Expiration date F = Last fill date I = Issue date M = Medication name N = Rx # P = Provider name R = Refills remaining S = Status To reverse the collation order, use the lowercase equivalent.
BEHORX DAYS ACTIVE		Numeric	User, Division, System	Limits the medication display to only those medications that were active within the last number of days specified.
BEHORX ENABLE EARLIEST DATE		Yes/No	Division, System	Controls the visibility of the Earliest Date Panel on the Outpatient Medication Ordering dialog.
BEHORX HARDCOPY AT SIGNING		Yes/No	User, Division, System	Controls the availability of a checkbox in the ESig signing dialog when CS Meds are present, and the user is EPCS enabled.
BEHORX LAB TESTS	Pointer (#50.7)	WordProcessing	System	Associates 'CH' subscripted lab tests to a Pharmacy Orderable Item. Format: Lab Test IEN;Lab Test Name;Days Back;Specimen IEN
BEHORX MAX DAYS SUPPLY		Numeric	Division, System	Controls the upper limit for days' supply of a dispensed medication.



Parameter	Instance Type	Value Type	Precedence	Description
BEHORX MAX DAYS SUPPLY CS	Numeric (2..5)	Numeric	Division, System	This parameter controls the upper limit for days' supply of a dispensed CS medication. The range is 1-180 days' supply and definable for schedules 2 through 5. If a schedule is not defined the max days' supply will default to 30.
BEHORX NONVA LABEL		String	Division, System	The value will be used to label the dropdown button and column heading representing NonVA meds in the Medication component.
BEHORX OUTSIDE MED DOSAGE FORM		Pointer (#50.606)	System	Holds the dosage form that is used for medication reconciliation of outside medications.
BEHORX PRINT DEA ALL RX		Yes/No	User, Class, Location, Division, System	Determines if DEA will print on all prescriptions.
BEHORX PRINT DEFAULT	Set	Text	Location, Division, System	Sets a default printer for each type of output. Instance types are: 0: Brief 1: Detailed 2: Prescription 3: Sample Label 4: Order 5: Receipt
BEHORX PRINT FORMAT TYPE	Set	Text	Location, User, Division, System	Associates a printer with a template type Instance types are: PC: RX CII PF: RX C35 PN: RX NON-CII OC: ORDER CII ON: ORDER NON-CII OF: ORDER C35 RC: RECEIPT CII RN: RECEIPT NON-CII LC: LABEL CII LN: LABEL NON-CII

Parameter	Instance Type	Value Type	Precedence	Description
BEHORX PRINT FORMATS	Set	Pointer (#90460.07)	Location, Class, User, Division, System	Associates a report type with a label format. Instance types are: PC: RX CII PF:RX C35 PN:RX NON-CII OC:ORDER CII ON:ORDER NON-CII OF:ORDER C35 RC:RECEIPT CII RN:RECEIPT NON-CII LC:LABEL CII LN:LABEL NON-CII
BEHORX PRINT LABEL		Yes/No	Division, System	Enables the availability of the Print Rx print feature.
BEHORX PRINT PROMPT		Yes/No	User, Division, System	Determines if user is prompted during printing.
BEHORX PRINT QUEUE C35		Yes/No	Division, System	Enables auto-queuing of C2-5 orders
BEHORX PRINT SCRIPT		Set	Location, Class, User, Division, System	Enable Print Script Feature. Value types are: 0:Disabled 1:MultiPage 2:SinglePage
BEHORX PRINT SCRIPT MAX		Numeric	User, Class, Division, System	Controls the maximum number of prescriptions that may be printed on a single page.
BEHORX REQUIRE SUPERVISOR CS	Number (1:20:1)	Pointer (#8930)	Division, System	Holds a list of user classes that require the supervisor name to be included when writing a controlled substance prescription.
BEHORX SCRIPT CUSTOM FORMAT		Text	System	M code to generate a prescription format. Specifying a routine in this parameter will supersede the user of OE/RR Print Formats
BEHORX SCRIPT FOOTER		Pointer (#100.23)	System	Holds the format for the prescription form footer.
BEHORX SCRIPT FORMAT		Pointer (#100.23)	System	Holds the format for the prescription body.

Parameter	Instance Type	Value Type	Precedence	Description
BEHORX SCRIPT HEADER		Pointer (#100.23)	System	Holds the format for the prescription form header.
BEHORX SPLITTER SIZE		Text	User, Division, System	This parameter allows customization of the splitter positions of the Meds tab. The input format is: <inpatient top>;<inpatient bottom>;<outpatient top>;<outpatient bottom>. The numbers represent the size percentage of the two splitters.
BEHORX UNKNOWN MED		Pointer (#101.43)	System	This parameter holds the Orderable Item to be used as the Unknown Med.
BEHORX USE DRUG TEXT		Yes/No	User, Division, System	Controls access to the Drug Guidelines on the medication ordering dialogs.

## 35.11 Exported Mail Groups

None.

## 35.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 35.12.1 RPC: BEHORXF1 BATCHXML

Scope: private

Parameter	Datatype	Description
ORDARY	StringList	List of Order IENS
DFN	Integer	IEN to Patient File
<return value>	StringList	XML Formatted content

Returns XML representation for Order, Prescription and/or Receipt.

## 35.12.2 RPC: BEHORXF1 HOSPLOC

Scope: private

Parameter	Datatype	Description
FROM	String	Starting point of lookup
DIR	Integer	1 or -1 indicating direction for \$ORDER M Command. Defaults to 1 for forward
MAX	Integer	Maximum number of records. Defaults to 44
TYPE	Set	Select from: C:CLINIC M:MODULE W:WARD Z:OTHER LOCATION N:NON-CLINIC STOP F:FILE AREA I:IMAGING OR:OPERATING ROOM
START	Date/Time	Start date
END	Date/Time	End date
<return value>	StringList	List of locations

Returns list of matching entries from the Hospital Location (#44) File.

## 35.12.3 RPC: BEHORXF1 MEDSXML

Scope: private

Parameter	Datatype	Description
ORDARY	StringList	List of Order IENS
DFN	Integer	IEN to Patient File
<return value>	StringList	XML formatted content

Returns XML representation of Prescriptions.

## 35.12.4 RPC: BEHORXF1 MEDXML

Scope: private

Parameter	Datatype	Description
ORDERID	String	Order information
DFN	Integer	IEN to Patient File
XTRA	StringList	Additional information to add in the return list
<return value>	StringList	XML formatted content

Returns XML representation of Prescription.

### 35.12.5 RPC: BEHORXF1 ORDRSXML

Scope: private

Parameter	Datatype	Description
ORDARY	StringList	List of Order IENS
DFN	Integer	IEN to Patient File
<return value>	StringList	XML formatted content

Returns XML representation of Orders.

### 35.12.6 RPC: BEHORXF1 SFMTXML

Scope: private

Parameter	Datatype	Description
NAME	String	Name of print format
VAL	StringList	Content of format
ENT	Entity	XPAR entity
<return value>	String	Empty if successful

Stores print format in XPAR.

### 35.12.7 RPC: BEHORXF1 VALQUE

Scope: private

Parameter	Datatype	Description
ORLST	StringList	List of Order IDs to validate
<return value>	StringList	List of Order IDs to place on queue

Returns list of validated order IDs.

### 35.12.8 RPC: BEHORXF2 DRUGTXT

Scope: private

Parameter	Datatype	Description
DRG	IEN	IEN to Drug (#50)
<return value>	StringList	Additional data for drug

Returns additional text from the Drug Text (#51.7) file for the drug.

### 35.12.9 RPC: BEHORXF3 LABTESTS

Scope: private

Parameter	Datatype	Description
DFN	Integer	IEN of Patient File
OI	Integer	IEN of Orderable Item
<return value>	StringList	List of lab results

Returns list of lab results for tests associated with the pharmacy orderable item associated with the passed in orderable item.

### 35.12.10 RPC: BEHORXF3 TSTASSOC

Scope: private

Parameter	Datatype	Description
OI	Integer	IEN of Orderable Item
<return value>	Boolean	True if there are tests associated with orderable item

Returns indication of tests associated with the orderable item.

### 35.12.11 RPC: BEHORXF4 ERXCANCP

Scope: private

Parameter	Datatype	Description
ORDER IEN	Integer	IEN to Order File
<return value>	Boolean	True if users should be prompted to confirm cancellation of eRx order.

Returns indication that user should be prompted to confirm cancellation of eRx order.

### 35.12.12 RPC: BEHORXF4 MAXDAYS

Scope: private

Parameter	Datatype	Description
OI	Integer	IEN of Orderable Item
<return value>	Integer	Max days allowed for OI

Returns the maximum days' supply allowed for orderable item.

## 35.12.13 RPC: BEHORXF4 NOTIF

Scope: private

Parameter	Datatype	Description
ORIFN	Integer	IEN of Order File
<return value>	Integer	Returns a 1

Send an unsigned order alert when order entered for someone else.

## 35.12.14 RPC: BEHORXFM GETLIST

Scope: private

Parameter	Datatype	Description
TYPE	Set	Select from: PC:RX CII PN: RX NON OC: ORDER CII ON: ORDER NON RC: RECEIPT CII RN: RECEIPT NON-CII LC: LABEL CII LN: LABEL NON-CII PF: RX C35 OF: ORDER C35
<return value>	StringList	List of matching templates

Returns a list of BEH PHARMACY PRINT FORMATS.

## 35.12.15 RPC: BEHORXFM GETTEMPL

Scope: private

Parameter	Datatype	Description
TMPL	String	Name of template
<return value>	StringList	XML content

Returns the XML representation of the print format.

## 35.12.16 RPC: BEHORXFM SETTEMPL

Scope: private

Parameter	Datatype	Description
TMPL	Integer	IEN of Orderable Item
CNT	Integer	Count of lines in template

Parameter	Datatype	Description
IN	StringList	List of fields contained in template
VAL	StringList	XML content of template
<return value>	Integer	IEN of template

Stores a print template and returns the IEN.

### 35.12.17 \$\$GETCMF1^BEHORXFN

Scope: private

Parameter	Datatype	Description
ORIFN	String	Order filler number for prescription.
<return value>	Boolean	True if prescription is marked as chronic.

Returns chronic medication status for a specified order id.

### 35.12.18 \$\$GETIND^BEHORXFN

Scope: private

Parameter	Datatype	Description
ORIFN	String	Order filler number for prescription.
<return value>	String	Contains clinical indication text and ICD code

Returns ICD code and Text for a specified order id.

### 35.12.19 RPC: BEHORXFN FINISH

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
ORIFN	Integer	Order filler number for prescription
<return value>	String List	Returned as string list in the format: ; Drug[1] ^ Rx #[2] ^ ExpDate[3] ^ RefRem[4] ^ Issue Date[5] ^ Statu s[6] ^ ; Days Supply[7] ^ Quantity[8] ^ Provider IEN~Name[9] ^ PharmID[10] ^ OrderID[11] ^ ; LastFill[12] ^ PharmSite[13] ^ NDC[14] ^ RXNORM[15] ^ Process Stat e[16] ^ External Pharmacy[17]^DigitalSigned[18] <"\" or " "><Instruction Text> where "\" indicates a new line



Finishes a pending prescription order and returns details of the prescription.

### 35.12.20 RPC: BEHORXFN GETRXS

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
DAYS optional)	Integer	# of days to include in search (default = 365).
<return value>	String List	Returned as a list of records in the format: ~Type^PharmID^Drug^InfRate^StopDt^RefRem^TotDose ^UnitDose^OrderID^Status^LastFill^Chronic^Issued^Rx #^Provider^ Status Reason^DEA Handling  <"\" or " "><Instruction Text> where "\" indicates a new line

Returns a list of medications for populating the display grid.

### 35.12.21 RPC: BEHORXFN OCALL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
<return value>	String List	Returned as a list of orders: OrderIEN

Returns a list of medications for populating the display grid.

### 35.12.22 RPC: BEHORXFN PRINTLOG

Scope: private

Parameter	Datatype	Description
ORIFN	Pointer (#100)	Order File IEN
PRINTER	Text	Printer name
ACTION	Set	P:Print, R:Reprint
COM	Text	Comment string. Defaults to Comment not Provided
<return value>	Text	Returns a 1 for success or 0^Message if failed.

Places an entry in either the BEH PHARMACY ORDER PRINT file if an order is for signature or the Activity Log of the prescription if printing is related to a prescription.

### 35.12.23 RPC: BEHORXFN SETCMF

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
RXS	String or String List	Single order id or list of order ids.
CMF	Boolean	New value for chronic medication flag.
<return value>	String List	Returned as a list of errors (if any) in the format: OrderID^Error Text

Sets the chronic medication status for a single order or multiple orders.

### 35.12.24 RPC: BEHORXFN VITALFMT

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN
TYP	Text	Holds the vital measurement abbreviation
<return value>	String	Returns information in the following format: <Date/Time^Imperial Value^Metric Value>

Returns string containing vital measurement information.

## 35.13 External Relations

Entity	Name	Description
Package	ORDER ENTRY/RESULTS REPORTING 3.0	Uses supported API calls.
Package	OUTPATIENT PHARMACY 7.0	Uses supported API calls.
Package	PCC	Uses supported API calls.
Package	KERNEL	Uses supported API calls.

## 35.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported API calls.

## 35.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 35.16 Components

This component supports the following properties and methods:

### 35.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.

Property	Datatype	Access	Description
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

# 36.0 Orders

## 36.1 Introduction

File View Action Options								
View Orders								
Active Orders (includes Pending & Recent Activity) - ALL SERVICES								
Active Orders (includes)	Service	Order	Duration	Provider	Nurse	Clerk	Chart	Status
	Out. Meds	ACETAMINOPHEN TAB 325MG TAKE ONE TABLET BY MOUTH FIVE TIMES DAILY TO RELIEVE PAIN OR FEVER Quantity: 240 Refills: 0		User,P				active
Write Orders	Out. Meds	ACETAMINOPHEN TAB 325MG TAKE TWO TABLETS BY MOUTH FIVE TIMES DAILY TO RELIEVE PAIN OR FEVER Quantity: 480 Refills: 0		User,P				active
Allergies	Out. Meds	LABETALOL TAB 200MG TAKE ONE TABLET BY MOUTH TWICE A DAY TO HELP CONTROL BLOOD PRESSURE Quantity: 60 Refills: 0		User,P				active
Diet	Out. Meds	ASPIRIN TAB 325MG TAKE ONE TABLET BY MOUTH BEFORE MEALS Quantity: 90 Refills: 0		User,P				active
Meds. Inpatient	Out. Meds	CIMETIDINE TAB 300MG TAKE ONE TABLET BY MOUTH BEFORE MEALS AND AT BEDTIME TO HELP CONTROL STOMACH ACID Quantity: 30 Refills: 1		User,P				active
Meds. Home	Out. Meds	ACETAMINOPHEN TAB 325MG TAKE ONE TABLET BY MOUTH TO RELIEVE PAIN OR FEVER Quantity: 100 Refills: 1		User,P				active
Meds. Outpatient	Out. Meds	*ALLOPURINOL TAB 100MG TAKE ONE TABLET BY MOUTH DAILY TO HELP CONTROL URIC ACID	Start: 08/18/06 Stop: 12/31/06	User,P				active
IV Fluids								
Lab Tests								
Imaging								
Consult								
Vitals								
Text Only Order								
Dental Orders								

Figure 36-1: Orders component

The Orders (CPRS) component facilitates the placement and management of orders.

### 36.2 Architecture and Business Process Overview

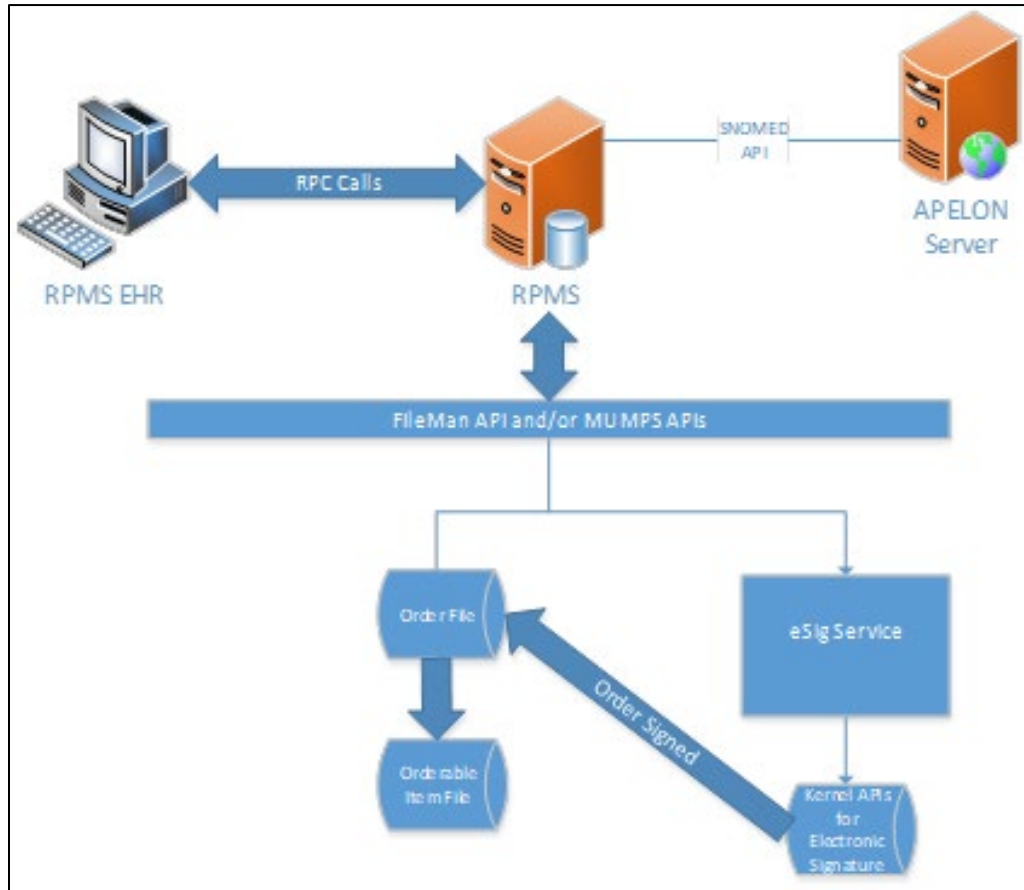


Figure 36-2: Architecture and business process overview

### 36.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHORDERS.ORDERENTRY
Class Identifier	{A11D0650-58C6-42D8-AFB1-C26616DFECA2}
Image File	BEHOrders.ocx
Property Initializations	
Serializable Properties	AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR
Required Files	BEHOrders.chm
Security Keys	none
Multiple Instances Allowed	no

Entity	Value
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*011008

There are no specific implementation or maintenance tasks associated with this component.

## 36.4 Routine Descriptions

None.

## 36.5 File List

None.

## 36.6 Cross References

None.

## 36.7 Exported Options

Option	Type	Description
BEHOOR MAIN	menu	Order entry configuration menu.
BEHOORCM ACTIONS	action	This option lets you create or change actions that may be placed on Add Orders menus.
BEHOORCM ASSIGN PRIMARY	action	This option is used to assign a primary order menu to users. A primary order menu must be assigned to each user in order to add orders using OE/RR. Examples of menus assigned to users are: ORZ ADD MENU CLINICIAN, ORZ ADD MENU NURSE, ORZ ADD MENU WARD CLERK
BEHOORCM DISABLE	action	This option lets you disable order dialogs so that execution will be prevented if selected; dialogs may also be re-enabled in this option.
BEHOORCM LIST ORDER MENUS	action	This option will print a list of users, locations, divisions etc. that have a specified order menu assigned for use in the List Manager interface.

Option	Type	Description
BEHOORCM MAIN	menu	This option lets you create or change the Add Orders menus for your site.
BEHOORCM MENU	action	This option lets you create or change the Add Orders menus for your site.
BEHOORCM NEW CONSULT	action	New Consult Dialog Default
BEHOORCM NEW MED	action	New Med Dialog Default
BEHOORCM NEW PROCEDURE	action	New Procedure Dialog Default
BEHOORCM ORDER MENU STYLE	action	Order Menu Style
BEHOORCM ORDER SETS	action	This option lets you create or modify order sets, by combining a group of related quick orders into a single item.
BEHOORCM ORDERABLES	action	This option lets you create or change the things that are orderable via generic text orders at your site.
BEHOORCM ORDERS	action	This option lets you create or change generic text orders that may be placed on Add Orders menus; limited access to some clinical service ordering dialogs is also available through this option.
BEHOORCM PARAMETERS	menu	Menu parameters menu.
BEHOORCM PROMPTS	action	This option lets you create or change prompts for generic order dialogs.
BEHOORCM PROTOCOLS	action	This option lets you convert any protocols that didn't get processed automatically or successfully by the CPRS order menu conversion, for use on Add Orders menus.
BEHOORCM QO ITEMS	action	This option allows a site to mark orderable items for use within pre- defined quick orders only; these items will not be selectable when ordering via standard package order dialogs.
BEHOORCM QUICK ORDERS	action	This option lets you create or change quick orders. The dialog for creating a quick order is similar to a dialog for entering an order. The responses you enter will become the pre-defined responses for this quick order. End users will have the opportunity to edit these pre-defined responses, if desired.
BEHOORCM SEARCH/REPLACE	action	This option lets you search for specific components on menus and replace or delete one or more instances of these components. Components include: quick orders, order sets, prompts, protocols, actions, etc.



Option	Type	Description
BEHOORCM SEARCH/REPLACE ORD	action	This option lets you search for specific orderable items saved as responses within quick orders; a new orderable item may be selected to automatically replace it, as well.
BEHOORCM WRITE ORDERS IN	action	Write Orders List (Inpatient)
BEHOORCM WRITE ORDERS OUT	action	Write Orders List (Outpatient)
BEHOORCX CLINICAL DANGER LEVEL	action	Enter the code indicating the clinical danger level of the order check.
BEHOORCX CONTRAST MEDIA CREAT	action	Use this option to set the number of days back in time for the patient's most recent lab serum creatinine results when Imaging procedures using contrast media are ordered. This value is used in the Biochem Abnormality for Contrast Media order check.
BEHOORCX CT LIMIT HT	action	This option checks to determine if a patient is too tall to be examined by the CAT Scanner. Enter the maximum height (in inches) of a patient.
BEHOORCX CT LIMIT WT	action	This option checks to determine if a patient weights too much to be safely examined by the CAT Scanner. Enter the maximum weight (in pounds) of a patient.
BEHOORCX DEBUG ENABLE/DISABLE	action	Determines if order check debug messages will be logged to ^XTMP("ORKLOG". 'E' or 'Enabled' enables the logging of order checking debug information. 'D' or 'Disabled' disables logging debug messages and cleans out ^XTMP("ORKLOG"). ^XTMP("ORKLOG" is also killed when more than 5,000 entries exist.
BEHOORCX DUP ORDER RANGE LAB	action	The number of hours back in time to check for duplicate lab orders.
BEHOORCX DUP ORDER RANGE OI	action	The number of hours back in time to look for duplicate orders.
BEHOORCX DUP ORDER RANGE RAD	action	The number of hours back in time to check for duplicate radiology orders.

Option	Type	Description
BEHOORCX EDITABLE BY USER	action	This option enters values for the parameter ORK EDITABLE BY USER. IRM and Clinical Coordinators can use this option to set one or more order checks to be uneditable by end users. An order check with an Editable By User value of "No" prevents end users from changing or setting that order check's enabled/disabled parameter value. If the order check's enabled/disabled value is "enabled", in combination with an Editable By User value of "No", that order check is effectively "mandatory". (In the GUI option to enable/disable order checks, the order check will appear with a "Mandatory" flag.) Editable By User values only apply to end users. An order check with a "No" value does not prevent IRM and Clinical Coordinators from setting or changing the order check's enabled/disabled values. The order check can still be edited by users (presumably IRM and Clinical Coordinators) with access to the Order Checking Mgmt menu option "Enable/Disable an Order Check". An order check with no entry for this option/parameter will be treated as "editable by user" (as if it had a "Yes" value.) In other words, the default for this option/parameter is "Yes". This option is used by the List Manager option "Enable/Disable My Order Checks" [ORK REC PROCESSING FLAG]. In the GUI, these settings can be accessed from the Tools Options menu then selecting the Order Checks tab.
BEHOORCX EXPERT SYSTEM INQUIRE	action	Expert System Inquiry
BEHOORCX GLUCOPHAGE CREATININE	action	Use this option to set the number of hours back in time to search for the most recent creatinine lab results. This value is used in the order check Glucophage-Lab Results.
BEHOORCX LOCAL TERM EDIT	action	Edit Local Terms
BEHOORCX MAIN	menu	Order check configuration menu.
BEHOORCX MRI LIMIT HT	action	This option checks to determine if a patient is too tall to be safely examined by the MRI Scanner. Enter the maximum height (in inches) of a patient.
BEHOORCX MRI LIMIT WT	action	This option checks to determine if a patient weights too much to be safely examined by the MRI scanner. Enter the maximum weight (in pounds) for the patient.

Option	Type	Description
BEHOORCX ORDER CHK MGMT MENU	menu	Order check parameters menu.
BEHOORCX OVERRIDE REPORT	Action	Order check override reason report
BEHOORCX POLYPHARMACY	action	Use this option to set the number medications for determining polypharmacy.
BEHOORCX PROCESSING FLAG	action	Enter the code indicating the processing flag for the entity and order check.
BEHOORCX RECIP ORDER CHECKS	action	This option prompts for a user/recipient then processes each order check to determine if and why the user will receive the order check message during the ordering process.
BEHOORCX RULE ACTIVATE	action	Activate/Inactivate Rules
BEHOORCX RUN COMPILER	action	Compile Rules
BEHOORCX SYSTEM ENABLE/DISABLE	action	Determines if any order checking will occur. 'E' or 'Enable' indicates order checking is enabled and running. 'D' or 'Disabled' indicates order checking is disabled and not running. Can be set at the institution, System or Package level.
BEHOORDO DELAYED ORDERS	action	Release/Cancel Delayed Orders
BEHOORDO DELAYED ORDERS EDITOR	action	This option invokes the auto-dc rules/release events editor. Use this option to define and maintain your auto-discontinue rules as well as your delayed order release events. Whether or not orders auto-discontinue will depend on how you have your rules defined. In addition, orders that are being written for delayed release can only be delayed to the release events that you've defined.
BEHOORDO ENABLE DELAYED ORDERS	action	Enable Event-Delayed Orders
BEHOORDO EVENT PARAMETERS	action	This option will allow you to edit the parameters related to event delayed orders.
BEHOORDO MAIN	menu	Delayed orders configuration menu.
BEHOORDO PATIENT EVENT INQUIRY	action	This option gives a FileMan inquiry of an entry from the patient event file. This file holds information related to orders placed on delay. Included in this information are orders released and auto-dc'd due to an event occurring as well as an audit trail of MAS actions taken related to this delayed event.

Option	Type	Description
BEHOORKY KEY ALLOCATION	action	This option is to assist the OE/RR Clinical Coordinator when allocating Security keys to users of the OE/RR system.
BEHOORKY KEY CHECK	action	This option will identify users that have more than one OR key. Users must only have one OR key to correctly use the software. Any users identified need to have their keys edited so that only one of the OR keys remain (ORES, OREMAS, ORELSE).
BEHOORKY MAIN	menu	Key management menu.
BEHOORPA CLINICAL INDICATOR	Action	Enable Clinical Indicator prompt
BEHOORPA DISABLE HOLD ORDERS	action	Disable Hold/Unhold Actions in EHR
BEHOORPA DISABLE ORDERING	action	Disable Ordering in EHR
BEHOORPA ENABLE VERIFY	action	Enable/Disable Order Verify Actions
BEHOORPA MAIN	menu	Order parameters menu.
BEHOORPA ORDER MISC	action	This option is for editing miscellaneous hospital wide OE/RR parameters.
BEHOORPA ORDER REASON	action	This option allows access to the Order Reason file to enter or edit reasons for discontinuing an order.
BEHOORPA UNSIGNED ORDERS VIEW	action	This option may be used to set the default view of unsigned orders that ORES key holders will see when exiting a patient's chart; possible views are only those orders entered during the current session, all of the current user's unsigned orders, or all unsigned orders for the patient.
BEHOORPR CHART COPY	action	This option is for editing hospital wide Chart Copy parameters.
BEHOORPR MAIN	menu	This menu is for editing print parameters. It should be available to the clinical coordinator and IRM Staff.
BEHOORPR PRINTS (HOSP)	action	This option is for editing hospital wide print parameters for OE/RR.
BEHOORPR PRINTS (LOC)	action	This option is for editing print parameters for each ward/clinic location.
BEHOORPR REQ/LABEL	action	This option is for editing requisition and label site parameters.
BEHOORPR SERVICE COPY	action	This option is for editing Service Copy site parameters.
BEHOORPR SUMMARY REPORTS	action	This option is for editing Summary Report site parameters.

Option	Type	Description
BEHOORPR WORK COPY	action	This option is for editing Work Copy site Parameters.
BEHOORRP MAIN	menu	Order Reports
BEHOORRP NATURE/STATUS ORDERS	action	This option will allow the user to search orders for a specific NATURE OF ORDER or order STATUS. There are two formats available. One is a detailed display that is printed in real time as the order number that meets the search criteria is encountered. There is no further sort capability for this format. The second format is the columnar format which will allow the sort by ENTERING person or by SERVICE/SECTION. This format works best if sending the output to a 132 column compressed printer or to the BROWSER device.
BEHOORRP PERFORMANCE MONITOR	action	This option produces a report showing the number of orders entered by provider. The report includes a detailed listing as well as a summary. The detail listing includes pertinent information about each order associated with the listed provider. The summary report shows the number of orders entered for a provider, the number of orders entered by an ORES key holder, the percentage of orders entered by an ORES key holder for the given provider and a breakdown of the orders by nature of order for those that were entered by a non-ORES key holder.
BEHOORRP UNSIGNED ORDERS	action	This option will allow the user to search for either RELEASED but UNSIGNED orders or just UNSIGNED orders and sort them by Service/section, Provider, Patient, or Location. A start date entry will allow the site to ignore unsigned orders that fall within their allowed grace period. For example: the site allows the clinician 48 hours to sign unsigned orders, you would enter T-2 for a start date. A stop date entry will allow the site to ignore orders older than the date entered. An example of this would be, if you wanted to ignore unsigned orders that were placed prior to CPRS and you installed CPRS on Jan 1, 1999, you would enter 010199.
BEHOORSY SNOMED CONVERSION	Action	Unconverted Clinical Indication to SNOMED

## 36.8 Exported Security Keys

None.

### 36.9 Exported Protocols

None.

### 36.10 Exported Parameters

None.

### 36.11 Exported Mail Groups

None.

### 36.12 Callable Routines

None.

### 36.13 External Relations

Entity	Name	Description
Package	ORDER ENTRY/RESULTS REPORTING 3.0	Uses supported APIs.

### 36.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported APIs.

### 36.15 Archiving and Purging

There are no archiving or purging requirements within this software.

### 36.16 Components

This component supports the following properties and methods:

## 36.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.

Property	Datatype	Access	Description
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.



## 37.0 Quick Order Wizard

### 37.1 Introduction

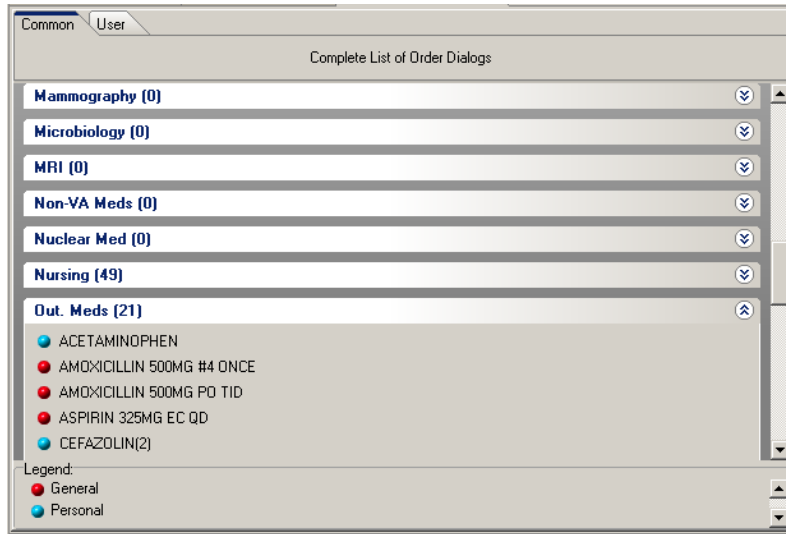


Figure 37-1: Quick Order Wizard

The Quick Order Wizard facilitates the creation and maintenance of quick orders.

### 37.2 Architecture and Business Process Overview

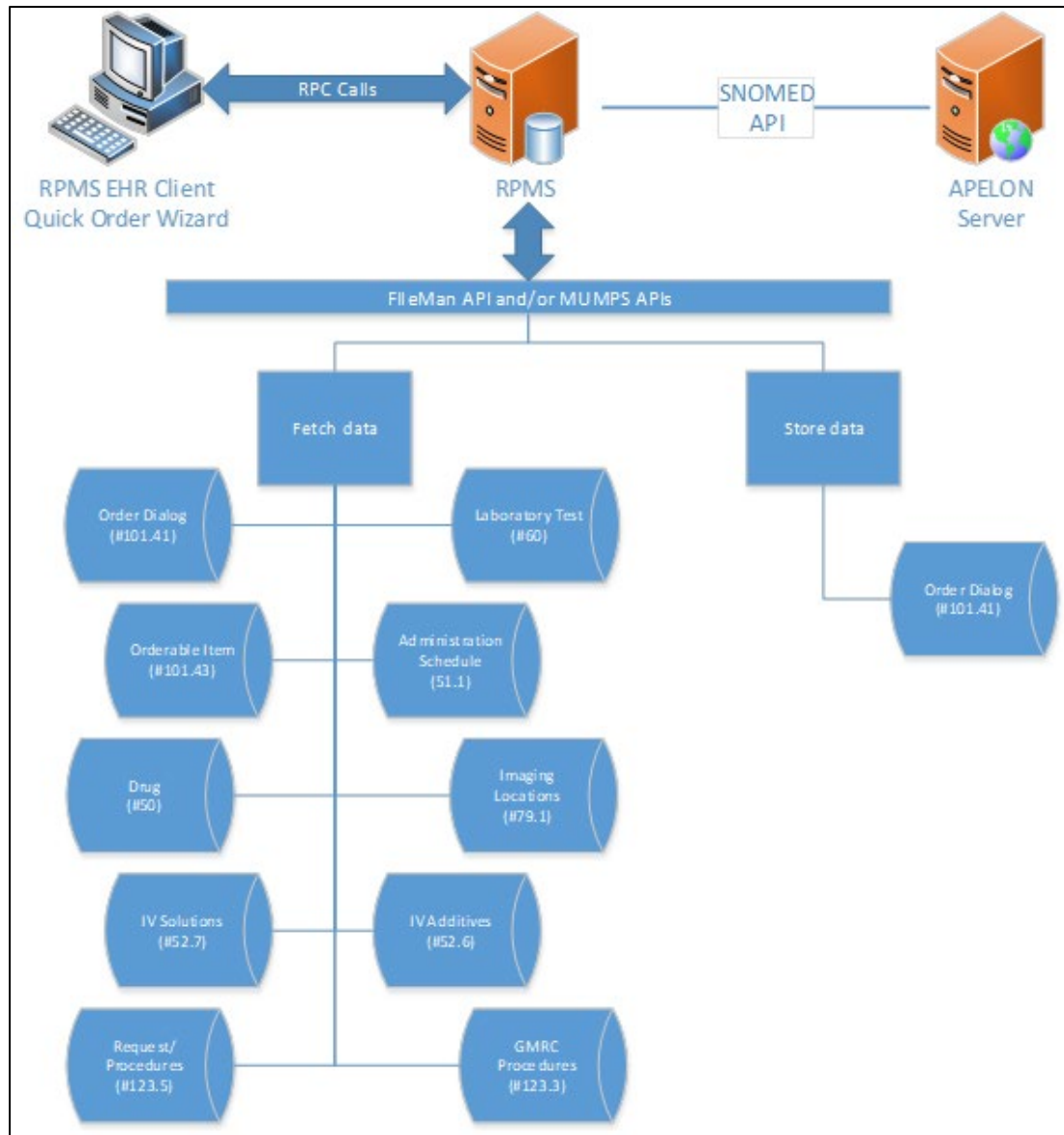


Figure 37-2: Architecture and business process overview

### 37.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHQOWIZARD.QOWIZARD
Class Identifier	{9B97DAAB-AA13-4C2B-B27D-014C897DC457}
Image File	BEHQOWizard.ocx

Entity	Value
Property Initializations	none
Serializable Properties	CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM
Required Files	none
Security Keys	none
Multiple Instances Allowed	no
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*039002

There are no specific implementation or maintenance tasks associated with this component.

## 37.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHOQOW”. The following routines are distributed:

Routine	Description
BEHOQOW	Quick Order Wizard support.

## 37.5 File List

None

## 37.6 Cross References

None.

## 37.7 Exported Options

None.

## 37.8 Exported Security Keys

None.

## 37.9 Exported Protocols

None.

## 37.10 Exported Parameters

None.

## 37.11 Exported Mail Groups

None.

## 37.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 37.12.1 BEHOQOW CANDEL

Scope: private

Parameter	Datatype	Description
BEHOQO	Pointer (#101.41)	IEN of order dialog
USR	Pointer (#200)	User IEN. If >0, always return true.
<return value>	Boolean	Returns true if order dialog can be deleted.

Returns delete status of an order dialog.

### 37.12.2 BEHOQOW CLONE

Scope: private

Parameter	Datatype	Description
FIEN	Pointer (#101.41)	IEN of source order dialog.
TIEN	Pointer (#101.41)	IEN of target order dialog.
<return value>	Boolean	Returns true if successful.

Clones a quick order dialog.

### 37.12.3 BEHOQOW DEFDISGP

Scope: private

Parameter	Datatype	Description
GRP	Pointer (#100.98)	Display group IEN
<return value>	Pointer (#100.98)	The IEN of the main display group.

Given a display group IEN, returns the IEN of the main display group.

### 37.12.4 BEHOQOW DELETEQO

Scope: private

Parameter	Datatype	Description
BEHOQO	Pointer (#101.41)	Order dialog IEN
USR	Pointer (#200)	User IEN
DGRP	Pointer (#100.98)	Display group IEN
DNM	String	Display name
<return value>	Boolean	Returns true if operation was successful.

Delete the specified order dialog.

### 37.12.5 BEHOQOW DISGRP

Scope: private

Parameter	Datatype	Description
GRPTYP	Integer	One of: 0 = common 1 = user
GRPUSR	Pointer (#200)	If GRPTYP=1, use this user to retrieve groups.
<return value>	String List	List of display groups.

Returns a list of display groups of the specified type.

### 37.12.6 BEHOQOW GETDISAB

Scope: private

Parameter	Datatype	Description
BEHOQO	Pointer (#101.41)	Order dialog IEN
<return value>	Boolean	Returns true if the order dialog has been disabled.

Returns true if the order dialog has been disabled.

### 37.12.7 BEHOQOW GETPKG

Scope: private

Parameter	Datatype	Description
DISGRP	Pointer (#100.98)	Display group IEN

Parameter	Datatype	Description
<return value>	Pointer (#9.4)	Package IEN

Returns the IEN of the PACKAGE file entry corresponding to the specified display group.

### 37.12.8 BEHOQOW GRPDEFWD

Scope: private

Parameter	Datatype	Description
GRP	Pointer (#100.98)	Display group IEN
<return value>	Numeric	Window form ID

Returns the WINDOW FORM ID associated with the specified display group.

### 37.12.9 BEHOQOW PROPERTY

Scope: private

Parameter	Datatype	Description
BEHOQO	Pointer (#101.41)	Order dialog IEN
<return value>	String List	Returns a list of property values in display format.

Returns a list of property values for the specified quick order.

### 37.12.10 BEHOQOW QOFVAL

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#101.41)	Order dialog IEN
FLD(optional)	Number	Field number (defaults to .01)
FLG(optional)	Boolean	If true, returns in upper case. Defaults to false.
<return value>	String	Value of specified field in external format.

Returns the value of the specified field from the specified order dialog.

### 37.12.11 BEHOQOW QOITEMS

Scope: private

Parameter	Datatype	Description
GRP(optional)	Pointer (#100.98)	Display group IEN (defaults to all groups)
USR(optional)	Pointer (#200)	User IEN (defaults to all users)

Parameter	Datatype	Description
<return value>	String List	List of quick orders

Returns a list of quick orders matching the specified criteria.

### 37.12.12 BEHOQOW SETDISAB

Scope: private

Parameter	Datatype	Description
BEHOQO	Pointer (#101.41)	Order dialog IEN
MSG	String	Disabled dialog message. Pass "@" to clear and enable dialog.
<return value>	String	Failure: error text Success: null

Sets or clears the disable text for the specified dialog.

### 37.12.13 BEHOQOW UPDRSP

Scope: private

Parameter	Datatype	Description
IEN	Pointer (#101.41)	Order dialog IEN
DGRP	Pointer (#100.98)	Display group IEN
<return value>	Integer	Always returns 0.

Updates quick order responses.

## 37.13 External Relations

Entity	Name	Description
Package	ORDER ENTRY/RESULTS REPORTING 3.0	Uses supported APIs

## 37.14 Internal Relations

Entity	Name	Description
Component	CPRS Support Library	Uses supported APIs

## 37.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 37.16 Components

This component supports the following properties and methods:

### 37.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: None Single Sunken Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.



<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: None – No caption (hides title bar) Title – Standard title bar Frame – Framed title bar (group box style) Left – Left gradient title bar Right – Right gradient title bar Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
MINHEIGHT	Integer	RW	Sets the minimum height, in pixels, that the component may attain.
MINWIDTH	Integer	RW	Sets the minimum width, in pixels, that the component may attain.
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 38.0 Consult Order History

### 38.1 Introduction

Consult Orders		
Service ▲	Date	Status
HOME OXYGEN REQUEST	19-Jun-2007 10:57	c
HOME OXYGEN REQUEST	26-Apr-2007 12:07	p
HOME OXYGEN REQUEST	06-Jul-2006 13:45	p
PROSTHETICS REQUEST	26-Apr-2007 12:07	c

Figure 38-1: Consult Order History component

The Consult Order History component provides a quick overview of consult orders for display on the cover sheet.

### 38.2 Architecture and Business Process Overview

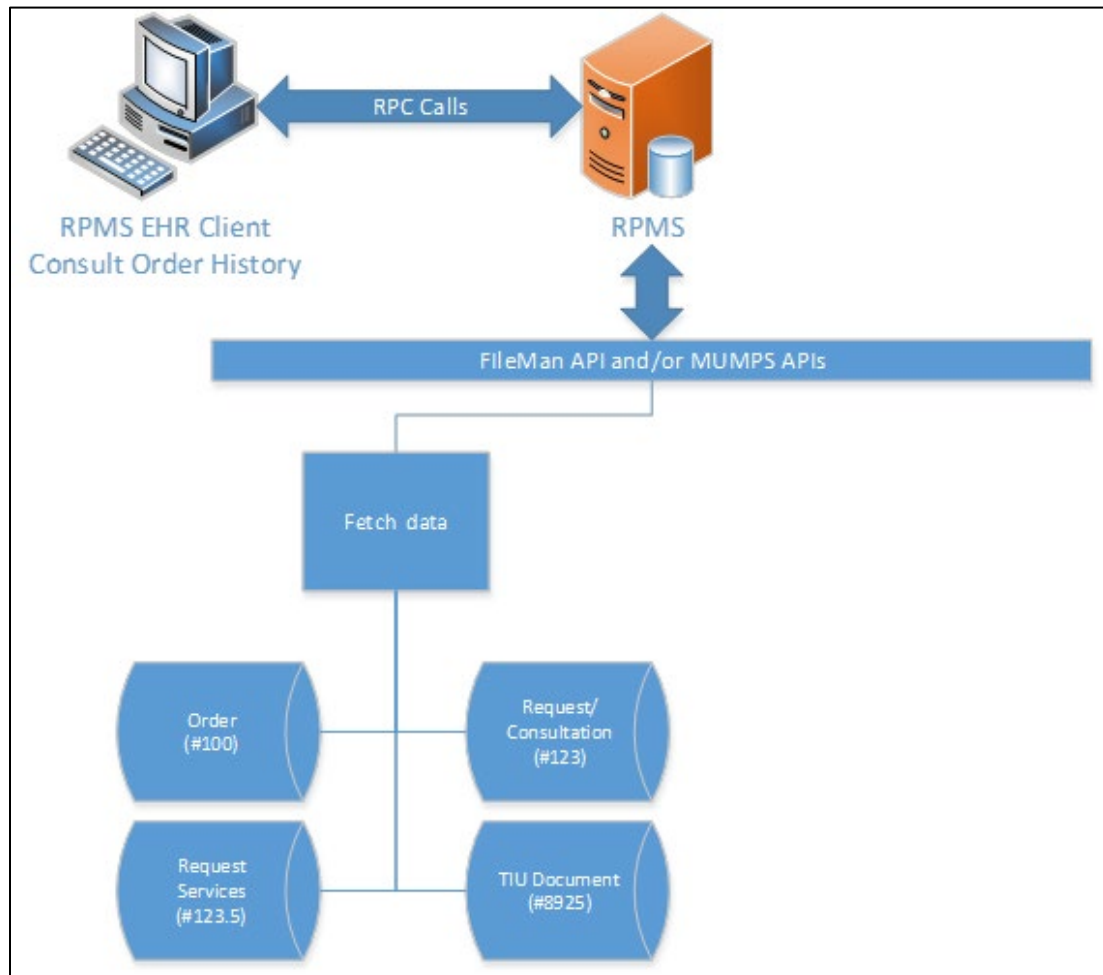


Figure 38-2: Architecture and business process overview

### 38.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHCONSULTORDERS.CONCONSULTORDERS
Class Identifier	{4C369EA9-584D-4638-AF26-F1E90CF53B0F}
Image File	BEHConsultOrders.ocx
Property Initializations	HELPPFILE=BEHCover.chm
Serializable Properties	ALLOWPRINT=BOOL, AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR, DEFERUPDATE=BOOL, DETAILPANE=BOOL, ORIENTATION=ENUM, LAYOUT=HIDDEN
Required Files	
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*028001

There are no specific implementation or maintenance tasks associated with this component.

### 38.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHOCNCV”. The following routines are distributed:

Routine	Description
BEHOCNCV	Consult order history cover sheet support.

### 38.5 File List

None.

## 38.6 Cross References

None.

## 38.7 Exported Options

None.

## 38.8 Exported Security Keys

None.

## 38.9 Exported Protocols

None.

## 38.10 Exported Parameters

None.

## 38.11 Exported Mail Groups

None.

## 38.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 38.12.1 RPC: BEHOCNCV DETAIL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
IEN	Pointer (#123)	Consult order IEN.
<return value>	String List	Detail text.

Returns detail text for the specified consult order.

### 38.12.2 RPC: BEHOCNCV LIST

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
<return value>	String List	List of records in the format: IEN^STATUS^FORMATTED DATE^TYPE^FM DT

Returns a list of consult orders for the specified patient.

### 38.13 External Relations

Entity	Name	Description
Package	CONSULT/REQUEST TRACKING 3.0	Uses supported APIs.

### 38.14 Internal Relations

None.

### 38.15 Archiving and Purging

There are no archiving or purging requirements within this software.

Components

This component supports the following properties and methods:

#### 38.15.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent

Property	Datatype	Access	Description
ALLOWPRINT	Boolean	RW	If true, a print button will appear on the detail dialog allowing printing of the contents.
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the "\ " character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
DEFERUPDATE	Boolean	RW	If true, data refresh is deferred until the component becomes visible. If false, data refresh happens immediately.
DETAILPANE	Boolean	RW	If true, a detail pane appears next to the list view that displays detail text of the selected entry. If false, detail text appears in a popup dialog when an entry is clicked.

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
ORIENTATION	Enum	RW	Sets the orientation of the detail pane. May be one of: 0 = Horizontal 1 = Vertical
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 39.0 Lab Orders

### 39.1 Introduction

Lab Orders		
Lab Order ▲	Status	Date
CBC BLOOD SP Indication: DIABETES MELLITUS LB #3	COMPLETE	21-Jun-2007 09:59

Figure 39-1: Lab Orders component

The Lab Orders component provides a quick overview of outstanding lab orders for display on the cover sheet.

### 39.2 Architecture and Business Process Overview

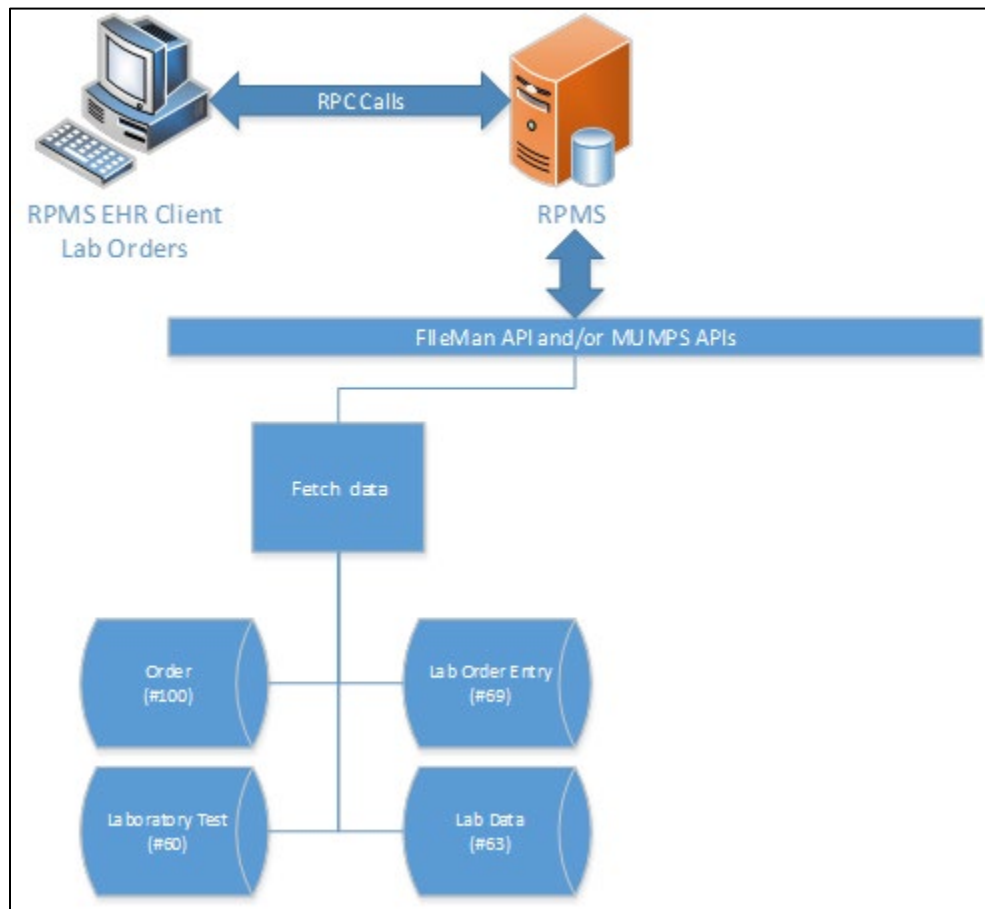


Figure 39-2: Architecture and business process overview



### 39.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHLABORDERS.LABORDERS
Class Identifier	{CE4EB1BE-71EF-427E-ABAF-1257685A4624}
Image File	BEHLabOrders.ocx
Property Initializations	none
Serializable Properties	ALLOWPRINT=BOOL, AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR, DEFERUPDATE=BOOL, DETAILPANE=BOOL, ORIENTATION=ENUM, LAYOUT=HIDDEN
Required Files	BEHLabOrders.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*032001

There are no specific implementation or maintenance tasks associated with this component.

### 39.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHOLRCV”. The following routines are distributed:

Routine	Description
BEHOLRCV	Lab order cover sheet support.

### 39.5 File List

None.

## 39.6 Cross References

None.

## 39.7 Exported Options

Option	Type	Description
BEHOLR MAIN	menu	Lab configuration menu.
BEHOLRCV DATE RANGE	action	Days of lab results to retrieve.

## 39.8 Exported Security Keys

None.

## 39.9 Exported Protocols

None.

## 39.10 Exported Parameters

Parameter	Instance Type	Value Type	Precedence	Description
BEHOLRCV DATE RANGE	Set (Inpatient or Outpatient)	Integer	User, Location, Service, Division, System	The number of days back in time to search for lab orders/results. If not indicated, the default period of 2 days will be used. The maximum number of days is 100,000 or about 220 years.

## 39.11 Exported Mail Groups

None.

## 39.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 39.12.1 RPC: BEHOLRCV DETAIL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
ORID	String	Order ID.
ID	Pointer (#100)	Order IEN.
<return value>	String List	Detail text.

Returns detail text for the specified lab order.

### 39.12.2 RPC: BEHOLRCV LIST

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
<return value>	String List	List of lab orders.

Returns a list of lab orders for populating the list view.

## 39.13 External Relations

Entity	Name	Description
Package	ORDER ENTRY/RESULTS REPORTING 3.0	Uses the following APIs: LIST^ORQOR1 ORDERS^ORCXPND1

## 39.14 Internal Relations

None.

## 39.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 39.16 Components

This component supports the following properties and methods:

## 39.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ALLOWPRINT	Boolean	RW	If true, a print button will appear on the detail dialog allowing printing of the contents.
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.

Property	Datatype	Access	Description
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
DEFERUPDATE	Boolean	RW	If true, data refresh is deferred until the component becomes visible. If false, data refresh happens immediately.
DETAILPANE	Boolean	RW	If true, a detail pane appears next to the list view that displays detail text of the selected entry. If false, detail text appears in a popup dialog when an entry is clicked.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
ORIENTATION	Enum	RW	Sets the orientation of the detail pane. May be one of: 0 = Horizontal 1 = Vertical
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

## 40.0 Medications

### 40.1 Introduction

Medications			
Medication	Status	Issue Date ▼	
ACETAMINOPHEN 325MG TAB	ACTIVE	15-Jun-2007	
ACETAMINOPHEN 325MG TAB	ACTIVE	31-May-2007	
ACETAMINOPHEN 325MG TAB	ACTIVE	21-Aug-2006	
CIMETIDINE 300MG TAB	ACTIVE	21-Aug-2006	
METHYLDOPATE INJ	PENDING	29-Mar-2006 09:...	
ACETAMINOPHEN 325MG TAB	ACTIVE		
ALUMINUM HYDROXIDE 322MG/5ML GEL	DISCONTINUED		
ALUMINUM HYDROXIDE 322MG/5ML GEL	ACTIVE		
NAPROXEN 250MG TAB**	ACTIVE		

Status:  All  Active

Inpatient/Outpatient:  All  Out  In

Figure 40-1: Medications component

The Medications component provides an overview of a patient's medication profile for display on the cover sheet.

## 40.2 Architecture and Business Process Overview

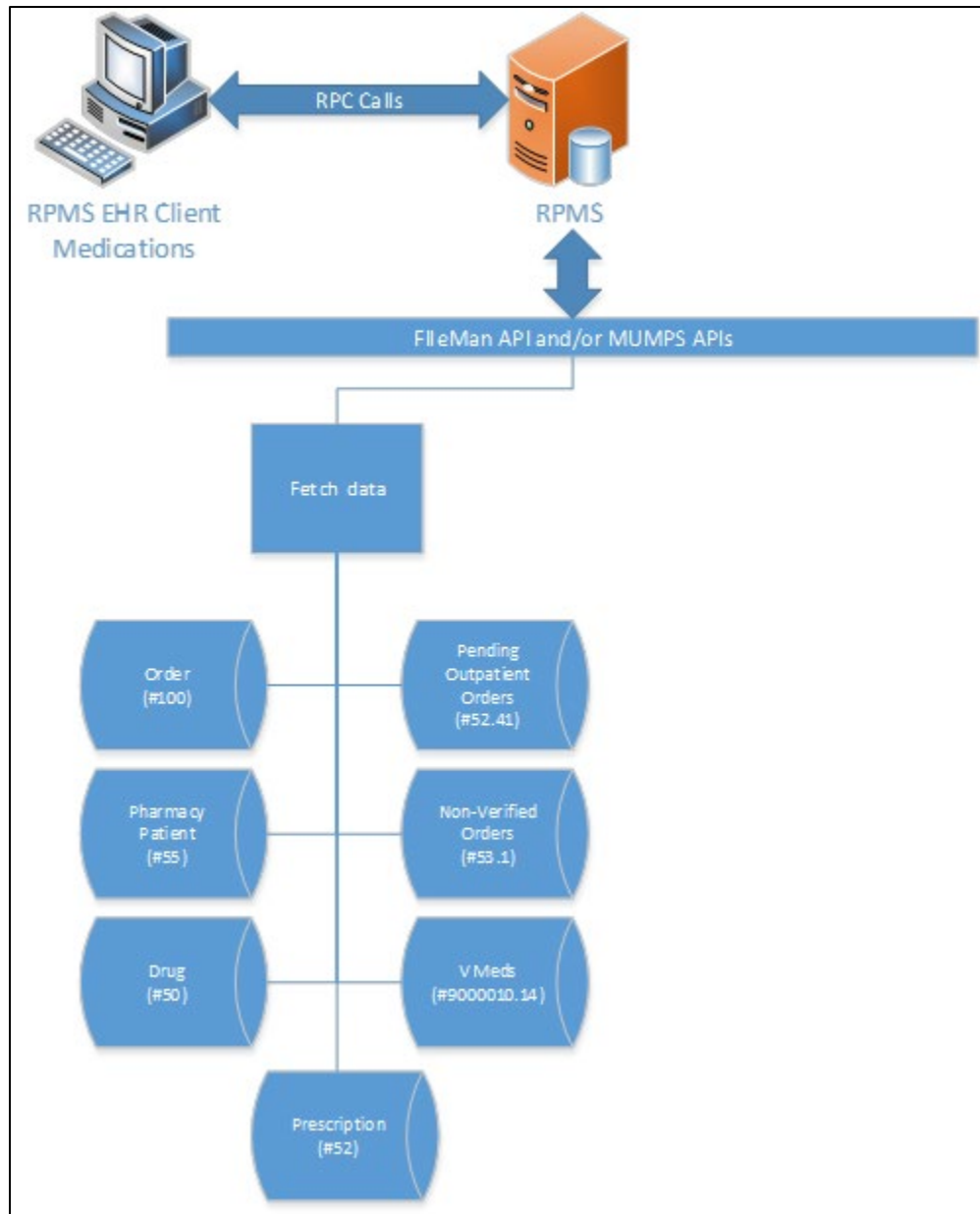


Figure 40-2: Architecture and business process overview

## 40.3 Implementation and Maintenance

This component has the following configuration:

Entity	Value
Programmatic Identifier	BEHMEDLIST.MEDLIST
Class Identifier	{F76FC2D9-4837-4F0A-A411-015D985AB1E6}

Entity	Value
Image File	BEHMedList.ocx
Property Initializations	none
Serializable Properties	ALLOWPRINT=BOOL, AUTOSIZE=BOOL, BORDERSTYLE=ENUM, CAPTION=TEXT, CAPTIONCOLOR1=COLOR, CAPTIONCOLOR2=COLOR, CAPTIONSTYLE=ENUM, COLOR=COLOR, DEFERUPDATE=BOOL, DETAILPANE=BOOL, ORIENTATION=ENUM, LAYOUT=HIDDEN
Required Files	BEHMedList.chm
Security Keys	none
Multiple Instances Allowed	yes
Internal Property Editor	no
All Keys Required	no
Hidden from Property Editor	no
Side-by-Side Versioning	yes
Service	no
.Net Component	no
Associated Build	BEHO*1.1*033001

There are no specific implementation or maintenance tasks associated with this component.

## 40.4 Routine Descriptions

This component has been assigned the namespace designation of “BEHORXCV”. The following routines are distributed:

Routine	Description
BEHORXCV	Medication cover sheet support.

## 40.5 File List

None.

## 40.6 Cross References

None.

## 40.7 Exported Options

None.



## 40.8 Exported Security Keys

None.

## 40.9 Exported Protocols

None.

## 40.10 Exported Parameters

None.

## 40.11 Exported Mail Groups

None.

## 40.12 Callable Routines

This section describes supported entry points for routines exported with this component.

### 40.12.1 RPC: BEHORXCV DETAIL

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
ID	String	Medication ID.
<return value>	String List	Detail text.

Returns detailed information about the specified medication.

### 40.12.2 RPC: BEHORXCV LIST

Scope: private

Parameter	Datatype	Description
DFN	Pointer (#2)	Patient IEN.
<return value>	String List	List of medications.

Returns a list of medications for populating the list view.

## 40.13 External Relations

Entity	Name	Description
Package	OUTPATIENT PHARMACY 7.0	Uses the following APIs: OCL^PSOORRL OEL^PSOORRL

## 40.14 Internal Relations

None.

## 40.15 Archiving and Purging

There are no archiving or purging requirements within this software.

## 40.16 Components

This component supports the following properties and methods:

### 40.16.1 Properties

Property	Datatype	Access	Description
ALIGN	Enum	RW	Sets the alignment of the component relative to its parent. One of: 0 = None – no alignment occurs 1 = Top – aligns to the top boundary of the parent 2 = Bottom – aligns to the bottom boundary of the parent 3 = Left – aligns to the left boundary of the parent 4 = Right – aligns to the right boundary of the parent 5 = All – expands to the dimensions of the parent 6 = Center – centers itself within the parent
ALLOWPRINT	Boolean	RW	If true, a print button will appear on the detail dialog allowing printing of the contents.
ANCHORS	Flag	RW	Anchors the component's position relative to its parent. Zero or more of: 1 = Top 2 = Left 4 = Right 8 = Bottom
AUTOSIZE	Boolean	RW	If true, the component automatically resizes itself to accommodate its contents.

Property	Datatype	Access	Description
BORDERSTYLE	Enum	RW	Sets the style of the border surrounding the component. May be one of: 0 = None 1 = Single 2 = Sunken 3 = Raised
CAPTION	String	RW	Sets the text displayed in the title bar. To justify portions of the caption text, use the “\” character to delimit the left-, center-, and right-justified portions of the caption text.
CAPTIONCOLOR1 CAPTIONCOLOR2	Color	RW	Colors to apply to the title bar. If the two colors differ and a gradient style is set, a gradient effect is created. For a standard title bar style, only the first color is applied.
CAPTIONSTYLE	Enum	RW	Sets the caption style. May be one of: 0 = None – No caption (hides title bar) 1 = Title – Standard title bar 2 = Frame – Framed title bar (group box style) 3 = Left – Left gradient title bar 4 = Right – Right gradient title bar 5 = Center – Center gradient title bar
COLOR	Color	RW	Sets the background color of the component.
DEFERUPDATE	Boolean	RW	If true, data refresh is deferred until the component becomes visible. If false, data refresh happens immediately.
DETAILPANE	Boolean	RW	If true, a detail pane appears next to the list view that displays detail text of the selected entry. If false, detail text appears in a popup dialog when an entry is clicked.
FONT	Font	RW	Set the default font used by the component. Some elements of a component may override this setting.
HEIGHT	Integer	RW	Sets the height (in pixels) of the component.
HELPPFILE	String	RW	Sets the name of the help file associated with the component.
LAYOUT	String	RW	Property representing the internal layout of the form.
LEFT	Integer	RW	Sets the position (in pixels) of the left boundary of the component.
ORIENTATION	Enum	RW	Sets the orientation of the detail pane. May be one of: 0 = Horizontal 1 = Vertical
TOP	Integer	RW	Sets the position (in pixels) of the top boundary of the component.

---

<b>Property</b>	<b>Datatype</b>	<b>Access</b>	<b>Description</b>
WIDTH	Integer	RW	Sets the width (in pixels) of the top boundary of the component.

# Glossary

## **Application Context**

This is an entry in the Option file that provides access control at the client application level. The Broker passes this information on the initial connection request. A user must have access to the given option to establish a broker connection.

## **Broker**

Software that marshals remote procedure requests between a client application and a remote host. Also known as RPC Broker.

## **Common Context Object Workgroup**

An HL7-sponsored workgroup responsible for specifying standards for context exchange among applications.

## **Context Object**

A specialized service that maintains a common context for a specific entity (e.g., patient or encounter) and supports the context change event interface.

## **Daemon**

A background process that performs a specified service.

## **Listener**

A daemon that monitors a specified TCP port and handles communications between the client and remote host.

## **Primary Listener Daemon**

The daemon that listens for the initial connection request. The primary listener daemon immediately passes the connection to a secondary listener daemon.

## **Remote Procedure**

A procedure residing on a remote host that may be invoked by a client process through a broker intermediary.

## **Remote Procedure Call**

The act of invoking a remote procedure. This is often used interchangeably with the term “Remote Procedure”, especially using its abbreviated form “RPC”.

**RPC Context**

This is an entry in the Option file that provides access control at the remote procedure level. The Broker passes this information with each remote procedure request. A user must have access to the given option to invoke the associated remote procedure.

**Secondary Listener Daemon**

The daemon that handles communication interchange between the client and remote host processes.

**Session Context**

This refers to the persistent state information associated with an establish session.

## Acronym List

<b>Acronym</b>	<b>Meaning</b>
CCOW	Clinical Context Object Workgroup
CMS	Component Management Service
CSL	Communication Service Layer
CSS	Component Support Services
IHS	Indian Health Service
RPC	Remote Procedure Call
RPMS	Resource and Patient Management System
VIM	Visual Interface Manager

## Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

**Phone:** (888) 830-7280 (toll free)

**Web:** <https://www.ihs.gov/itsupport/>

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