**ORU\_IDX\_SJH\_PSSSDIRadiology Reqs**

**1.0**

**Prepared By: Rich Allison**

**Date: 4/5/2018**

[Document Control 3](#_Toc511919956)

[Resources: (include Project Team Members, Liaisons, Vendor Contacts, etc.) 3](#_Toc511919957)

[Project Distribution List 3](#_Toc511919958)

[Document Version Control 3](#_Toc511919959)

[1. Introduction 4](#_Toc511919960)

[1.1 Purpose 4](#_Toc511919961)

[1.2 Project Scope 4](#_Toc511919962)

[1.3 Terminology Standards 4](#_Toc511919963)

[1.3.1 Acronyms 4](#_Toc511919964)

[1.3.2 Glossary 4](#_Toc511919965)

[1.4 Document References 4](#_Toc511919966)

[2. Diagram 5](#_Toc511919967)

[3. Requirements 6](#_Toc511919968)

[3.1 Functional Requirements 6](#_Toc511919969)

[3.2 Non-Functional Requirements 6](#_Toc511919970)

[3.3 Messaging Protocols 7](#_Toc511919971)

[3.3.1 Inbound to the BayCare Cloverleaf 7](#_Toc511919972)

[3.3.2 Outbound to the BayCare Cloverleaf 7](#_Toc511919973)

[3.3.3 Inbound to the Vendor 7](#_Toc511919974)

[3.3.4 Outbound to the Vendor 7](#_Toc511919975)

[4. HL7 Messaging 8](#_Toc511919976)

[4.1 Messaging Format 8](#_Toc511919977)

[4.1.1 Segments 8](#_Toc511919978)

[4.1*.*2 Messaging Event Types 8](#_Toc511919979)

[4.1*.*3 Cloverleaf Configuration Files 9](#_Toc511919980)

[4.1.4 Cloverleaf Site Location 9](#_Toc511919981)

[4.2 Data Transformation Requirements 9](#_Toc511919982)

[4.3 Sample Message 10](#_Toc511919983)

[5. Alerts 10](#_Toc511919984)

[Appendix A: Risks and Concerns 11](#_Toc511919985)

[Appendix B: Issues List 11](#_Toc511919986)

# **Document Control**

## Resources: (include Project Team Members, Liaisons, Vendor Contacts, etc.)

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 4/5/2018 | Rich Allison | Originally Created |
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|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

This document outlines the contents and logic of the GE RIS Billing file to pss interface.

## 1.2 Project Scope

Develop an interface for GE RIS Result messages to pss for billing.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

MLLP – Minimum Lower Layer Protocol for messaging framing a HL7 message.

### 1.3.2 Glossary

List the terms that require definition with respect to Cloverleaf and the product whose requirements are defined in this document. The definitions are specific to this document and may not be identical to the definitions of these terms in common use.

## 1.4 Document References

# 2. Diagram

Provide a solution diagram that depicts the integration of components specified in this IDBB. This diagram must include the data flow for the interfaces (source and target).



# 3. Requirements

## 3.1 Functional Requirements

Provide detail for the below functional requirements. The message transformation requirements for the components defined in this specification should be specified in section 4.2 of this document.

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| FR.20XX.1.0 | Filter | Blocks preliminary results from going to the billing file.  Block results with PERINATOLOGY in OBR.4.  List of pss facilities – SJH SJWH SJHN BCSJH BCSJWH BCSJHN BCSJHS. |

TCL Proc – This proc removes the NPI number from PV1.7.7, ORC.12.7 and

phy\_npi\_idx\_clear.tcl the patient phone number.

## 3.2 Non-Functional Requirements

Provide concise detail for the below non-functional requirements. This would include external table ownership, hours of support, etc. The below requirements must be evaluated for every project.

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| NFR.20XX.1.0 | Click here to enter text. | Click here to enter text. |

## 3.3 Messaging Protocols

Below are listed the details for the messaging protocols that will be leveraged for this integration. This includes: TCP/IP, FTP, Web Services, etc.

### 3.3.1 Inbound to the BayCare Cloverleaf

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | Click here to enter text. |

### 3.3.2 Outbound to the BayCare Cloverleaf

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | Click here to enter text. |

### 3.3.3 Inbound to the Vendor

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | Click here to enter text. |

### 3.3.4 Outbound to the Vendor

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | /sites/ftp\_data\_out/pss\_idx\_results |

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

PID

PV1

ORC

OBR

OBX

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header*

*EVN – Event segment*

*PID – Patient ID segment*

*PV1 – Patient Visit segment*

*ORC – Common Order segment*

*IN1 – Insurance segment*

*[{ – Start of optional, repeatable group*

*}] – End of optional, repeatable group*

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| ORU\_R01 | Result Message |
|  |  |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files

For each HL7 interface specified in Section 2 of this document, identify the Cloverleaf Configuration Files: Variants, TCL Scripts, Filters, Xlates, etc.

Variants – None

TCL Scripts – phy\_npi\_idx\_clear

Filters –

tpsAdvHL7Filter

{ADVFLTR {

{{PATH {OBR:25}} {VALUE {{P}}} {MATCHDISP KILL} {NOMATCHDISP CONTINUE}}

{{PATH {OBR:4.1}} {VALUE {{PERINATOLOGY}}} {MATCHDISP KILL} {NOMATCHDISP CONTINUE}}

{{PATH {MSH:3}} {VALUE {{SJH SJWH SJHN BCSJH BCSJWH BCSJHN BCSJHS}}} {MATCHDISP CONTINUE} {NOMATCHDISP KILL}}

}} {DEBUG 0}

Xlates – None

### 4.1.4 Cloverleaf Site Location

imaging\_12\_p

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| No translation – raw feed to the file |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## 4.3 Sample Message

MSH|^~\&|IDX|BCSJHN|||20180402122125||ORU^R01|1236919|P|2.3

PID||810017556|7000017383^4^3^^^BCSJHN||EVENTONEB^EIGHT^^^^||19550806000000|F||||||||||6000037306^^^|112-89-9030

PV1||O|||||MS062881^Toonkel^Leonard^Manuel^^^^1356315147|||||||||||||||||||||||||||||||||||||20180402092100

ORC|RE|13390519281|29002044|||||||||MS062881^Toonkel^Leonard^Manuel^^^^1356315147^727^462^7220^

OBR|1|13390519281|29002044|WMSCRDC^MAMMOGRAM SCREENING DIGITAL WITH CAD|||20180402120000||||||ROUTINE MAMMOGRAM|||MS062881^Toonkel^Leonard^Manuel^^^||||||20180402122100|||P||^^15^20180402093000^^||||Caller's Name: - PATIENT

Script Delivery - PATIENT

Does patient have any special needs? - N

Order Priority -

1. Is this a Corporate Event? - N|MS007961^Shaw^Michael^Charles^^^M.D. Radiologist|~||^Cyndi Johnson^^^^^||||MS007961^Shaw^Michael^Charles^^^M.D. Radiologist

OBX|1|RP|WMSCRDC&GDT||https://pacstest.baycare.org/ami/html/webviewer.html?viewall&un=IDXRAD&pw=GOPACS&ris\_exam\_id=29002044

OBX|1|FT|WMSCRDC&GDT||MAMMOGRAM DIAGNOSTIC BILATERAL DIGITAL||||||P|||20180402122100

OBX|2|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|3|FT|WMSCRDC&GDT|| CLINICAL INDICATION: Test||||||P|||20180402122100

OBX|4|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|5|FT|WMSCRDC&GDT|| COMPARISON:||||||P|||20180402122100

OBX|6|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|7|FT|WMSCRDC&GDT|| FINDINGS:||||||P|||20180402122100

OBX|8|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|9|FT|WMSCRDC&GDT|| IMPRESSION:||||||P|||20180402122100

OBX|10|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|11|FT|WMSCRDC&GDT|| BI-RADS CATEGORY 1: NEGATIVE||||||P|||20180402122100

OBX|12|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|13|FT|WMSCRDC&GDT|| BI-RADS 0 -- incomplete needs additional image evaluation||||||P|||20180402122100

OBX|14|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

OBX|15|FT|WMSCRDC&GDT|| ||||||P|||20180402122100

# 5. Alerts

Are you going to need alerting on this connection?

|  |  |
| --- | --- |
| Yes |  |
| No |  |

If the answer is yes, please complete the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Site Name** | **Hours of Support** | **Distribution Group** | **Comments** |
| imaging\_12\_p | 24/7 | IS – Diagnostic Clinical Apps | IDX results billing files to PSS |

# Appendix A: Risks and Concerns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Risk / Concern** | **Comment** | **Mitigation** | | |  |  |  |
| RC.2013.1.0 |  |  | |  | |  |  |  |

# Appendix B: Issues List

This is a dynamic list of the open issues related to the IDBB that remain to be solved, including but not limited to TBDs, pending decisions, information needed, conflict awaiting resolution, and the like.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Issue** | **Comment** | **Fix** | | |  |  |  |
| I.2013.1.0 |  |  | |  | |  |  |  |

* End of document