**ORU\_IDX\_SAH\_RadAssocStPetersburg Reqs**

**1.0**

**Prepared By: Rich Allison**

**Date: 4/5/2018**

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# **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 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

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

## 1.2 Project Scope

Develop an interface for GE RIS Result messages to sah 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.  List of sah facilities – SAH BCSAH. |

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/sah\_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 {MSH:3}} {VALUE {{SAH BCSAH}}} {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|BOISCNBC|||20180322112507||ORU^R01|775365|P|2.3

PID||810017261|7000017228^1^4^^^BOISCNBC||MAGVIEW^SEVEN^^^^||19771022000000|F||||||||||6000037233^^^

PV1|1|O|WIMSI^Womens Imaging||||MS068988^Beaman^Joseph^Claude^^^^1366415705|||||||||||||||||||||||||||||||||||||20180322100000

ORC|RE|13373894009|29001977|||||||||MS068988^Beaman^Joseph^Claude^^^^1366415705^313^565^6800^

OBR|1|13373894009|29001977|UBREASTUL/LT^US BREAST UNILATERAL LIMITED|||20180322102500||||||test.|||MS068988^Beaman^Joseph^Claude^^^||||||20180322105000|||F||^^30^20180322100000^^|^~^~^~^~^|||Caller's Name: - test Script Delivery - PATIENT Does patient have any special needs? - N Order Priority - 1. Right Left or Bilateral breast? - LT|MS004667^Krop^Daniel^Steven^^^M.D. RADIOLOGIST|~|sma78132^Ancrile^Sonja^^^^SAHMammo Coordinator|^ADT^INT^^^^

OBX|1|RP|UBREASTUL&GDT||http://pacstest.baycare.org/ami/html/webviewer.html?viewall&un=IDXRAD&pw=GOPACS&ris\_exam\_id=29001977

OBX|1|FT|UBREASTUL&GDT|| ||||||F|||20180322105000

OBX|2|FT|UBREASTUL&GDT||CLINICAL INDICATION: Test MV||||||F|||20180322105000

OBX|3|FT|UBREASTUL&GDT|| ||||||F|||20180322105000

OBX|4|FT|UBREASTUL&GDT||COMPARISON: BayCare Outpatient Imaging exam(s) dated ||||||F|||20180322105000

OBX|5|FT|UBREASTUL&GDT|| ||||||F|||20180322105000

OBX|6|FT|UBREASTUL&IMP||IMPRESSION:||||||F|||20180322105000

OBX|7|FT|UBREASTUL&IMP|| ||||||F|||20180322105000

OBX|8|FT|UBREASTUL&IMP||RECOMMENDATION:||||||F|||20180322105000

OBX|9|FT|UBREASTUL&IMP|| ||||||F|||20180322105000

OBX|10|FT|UBREASTUL&IMP||=====================================================||||||F|||20180322105000

OBX|11|FT|UBREASTUL&IMP||BI-RADS CATEGORIES:||||||F|||20180322105000

OBX|12|FT|UBREASTUL&IMP||(0)Incomplete: Needs additional imaging evaluation.||||||F|||20180322105000

OBX|13|FT|UBREASTUL&IMP||(1)Negative.||||||F|||20180322105000

OBX|14|FT|UBREASTUL&IMP||(2)Benign.||||||F|||20180322105000

OBX|15|FT|UBREASTUL&IMP||(3)Probably benign - Short interval follow-up suggested.||||||F|||20180322105000

OBX|16|FT|UBREASTUL&IMP||(4)Suspicious finding - Biopsy should be considered.||||||F|||20180322105000

OBX|17|FT|UBREASTUL&IMP||(5)Highly suggestive of malignancy - Appropriate action should be ||||||F|||20180322105000

OBX|18|FT|UBREASTUL&IMP||taken.||||||F|||20180322105000

OBX|19|FT|UBREASTUL&IMP||(6)Known biopsy-proven malignancy.||||||F|||20180322105000

OBX|20|FT|UBREASTUL&IMP||=====================================================||||||F|||20180322105000

OBX|21|FT|UBREASTUL&IMP|| ||||||F|||20180322105000

OBX|22|FT|UBREASTUL&IMP||Electronically signed by Daniel S. Krop, M.D. RADIOLOGIST on ||||||F|||20180322105000

OBX|23|FT|UBREASTUL&IMP||3/22/2018 10:48 AM||||||F|||20180322105000

# 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 SAH |

# 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