**Responder 5 (Nurse Call) ADT Requirements**

**Version 1.0**

**Prepared By: Tiffany Bohall**

**Date: 3/1/2016**

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# **Document Control**

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 3/2/2016 | Tiffany Bohall | Originally Created |
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|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to outline the ADT interface requirements between Soarian and Responder 5 Nurse Call application. The intended audience would be anyone interested in knowing more about the defined interface definitions.

## 1.2 Project Scope

The scope of the integration that is defined in Cloverleaf is Soarian which is sent outbound to Responder 5 which is a Nurse Call application. This is not an Enterprise application but only live at SJN, SJS, SAH, WHH and SFB. The first 2 locations were setup initially but the later 3 locations were not setup until end of Fall 2015.

## 1.3 Terminology Standards

### 1.3.1 Acronyms –N/A

Define the acronyms and their associated definitions used in this document. The acronyms should be listed in alphabetical order.

### 1.3.2 Glossary

**Responder 5**: name of the application

**Rauland Borg**: name of the vendor

## 1.4 Document References –N/A

List all documents or Web addresses to which this IDBB refers; provide enough information so that the reader can access a copy of each reference. Include the title, author, version number, date, and source or location.

# 2. Diagram –N/A

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 –N/A

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 | Click here to enter text. | Click here to enter text. |

## 3.2 Non-Functional Requirements –N/A

Provide concise detail for the below non-functional requirements. 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. Please see the reference document located on the Integration SharePoint server: <insert link to document here>

### 3.3.1 Inbound to BayCare’s Cloverleaf –N/A

* Click here to enter text.

### 3.3.2 Outbound from BayCare’s Cloverleaf

**SJN Production**

Port Number: 2021

IP Address: 10.44.141.26

**SJS Production**

Port Number: 2021

IP Address: 10.44.110.71

**SAH Production**

Port Number: 2021

IP Address: 10.44.141.107

**SFB Production**

Port Number: 2021

IP Address: 10.44.142.203

**WHH Production**

Port Number: 2021

IP Address: 10.44.141.191

### 3.3.3 Inbound to the Vendor (see OB from Cloverleaf)

* Click here to enter text.

### 3.3.4 Outbound from the Vendor –N/A

* Click here to enter text.

### 3.3.5 Inbound to BayCare’s Cerner –N/A

**Test B30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Test C30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Test M30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Prod**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

### 3.3.6 Outbound from BayCare’s Cerner –N/A

**Test B30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Test C30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Test M30**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

**Prod**

Port Number: Click here to enter text.

IP Address: Click here to enter text.

# 4. HL7 Messaging

## 4.1 Messaging Format

HL7 2.6 Soarian ADT\_A01

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

[PV1]

*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** |
| A01 | Inpatient Admit |
| A02 | Transfer |
| A03 | Discharge |
| A04 | Outpatient Arrival |
| A06 | Status Transfer out to in |
| A07 | Status Transfer in to out |
| A08 | Update patient Information |
| A10 | Patient Arriving |
| A11 | Cancel Admit |
| A13 | Cancel Discharge |

### 4.1*.*3 Cloverleaf Configuration Files

For each HL7 interface specified in Section 2 of this document, identify the Cloverleaf Configuration Files:

**Translation:** soarf\_resp5\_adt.xlt

### 4.1.4 Cloverleaf Site Location

Cloverleaf site location: soarf\_adt\_fac\_19

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| Message Header Segment | MSH | Y | Varies | Varies | Path copy the entire MSH segment |
| Message Type Trigger Event | MSH.9.1 | Y | MSG | 15 | If MSH.9.1 =A10, hard code MSH.9.1 and EVN.1 to an “A01” |
| Version ID | MSH.12 | Y | VID | 60 | Hard coding “2.5” |
| Event type code | EVN.1 | Y | ID | 3 | Copy |
| Recorded date/time | EVN.2 | Y | DTM | 24 | Copy |
| Patient ID Number | PID.2.0 | Y | CX | 50 | Copy |
| Patient Identifier List Number | PID.3.0 | Y | CX | 250 | Copy |
| Patient Identifier List type code | PID.3.4 | Y | CX | 250 | Copy |
| Patient Name | PID.5 | Y | XPN | 250 | Copy |
| Patient Account ID Number | PID.18.0 | Y | CX | 250 | Copy |
| Social Security Number | PID.19 | Y | ST | 16 | Copy |
| Assigned Patient Location: Point of Care, Room, Bed | PV1.3.0  PV1.3.1  PV1.3.2 | Y | PL | 80 | Copy |
| Prior Patient Location | PV1.6 | Y | PL | 80 | Copy |
| Discharge date | PV1.45 | Y | DTM | 24 | Copy |

## 4.3 Sample Message

**OUTBOUND:**

MSH|^~\&|SOARF|**SJN**|||201602171458||ADT^A04|8f6e220a-3618-45a0-ae4d-1661c12185bc|P|2.5||1

EVN|A04|201602171458

PID||300147822|2104717747^^^^MRN||LASTNAME^FIRSTNAME^M^^^""^L^^^20160217|||||||||||||6000011570

MSH|^~\&|SOARF|**SJS**|||201602171459||ADT^A04|cb939643-bacd-4b9f-a6f5-9b004273818c|P|2.5||1

EVN|A04|201602171459

PID||300139374|2104710633^^^^MRN|| LASTNAME^FIRSTNAME^M ^^^20150618|||||||||||||6000011579

# **5. Testing**

## 5.1. Unit Testing Scenarios –N/A

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.2 Integrated Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| A01 | Pass |
| A02 | Pass |
| A03 | Pass |
| A04 | Pass |
| A06 | Pass |
| A07 | Pass |
| A08 | Pass |
| A10 | Pass: Converted to an A01 |
| A11 | Pass |
| A13 | Pass |

## 5.3 Testing Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
| PH1.UNIT |  |  | Brant Campbell -SJN |
| PH1.INTEGRATED |  |  | Brant Campbell -SJN |
| PH2.UNIT | 08/15/2015 |  | Lauren Hinds –SAH |
| PH2.INTEGRATED | 09/01/2015 |  | Jacob Davis -SAH |
| PH2.UNIT | 08/15/2015 |  | Lauren Hinds –SFB |
| PH2.INTEGRATED | 09/01/2015 |  | Teresa Colletti -SFB |
| PH2.UNIT | 08/15/2015 |  | Lauren Hinds –WHH |
| PH2.INTEGRATED | 09/01/2015 |  | Teresa Colletti -WHH |

### 

## 5.4 Piloting -N/A

List the facilities and associated networks in scope for pilot testing.

## 5.5 Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
| PH1.0 |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 6. Deployment / Implementation Model

1. SJN and SJS were implemented first when these facilities were originally built.
2. SAH, SFB and WHH were implemented around September 2015.

## 6.1 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** |
|  |  |  |  |
|  |  |  |  |

# Appendix A: Risks and Concerns –N/A

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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