**Kiosk ADT Requirements**

**Version 1.6**

**Prepared By: Tiffany Bohall**

**Date: 9/14/2018**

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# **Document Control**

## Resources

|  |  |  |
| --- | --- | --- |
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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 8/28/2015 | Tiffany Bohall | Originally Created |
| V1.1 | 9/11/2015 | Tiffany Bohall | Updated |
| V1.2 | 9/14/2015 | Tiffany Bohall | Updated |
| V1.3 | 10/5/2015 | Tiffany Bohall | Completed |
| V1.4 | 11/11/2015 | Tom Fredrickson | Updated |
| V1.5 | 2/16/2017 | Tiffany Bohall | Removed all references to Invision and updated the Visio diagram |
| V1.6 | 9/14/2018 | Tiffany Bohall | Updated requirements doc to reflect that this interface is now only inbound to BayCare. Outbound interface was removed with the replacement of hardware and vendor. |

# 1. Introduction

## 1.1 Purpose

This document outlines the changes required to accommodate inbound Kiosk messages to Soarian. The newest solution for hardware replacement has changed the scope of the current integration. Going forward, Kiosk devices will only be used in Emergency Room departments. The Palm Secure application returns the patient’s data back to the KIOSK (when a palm is scanned) and that data is used to populate data elements a web service call out to Soarian for retrieval of Patient Demographics and validation that the BayCare CPI is active- if there is a response back, they know it is active and the patient then proceeds with an ER check in. If a response is not received, the patient is advised to go see registration. All gaps will be identified and mitigated as well as any non-functional requirements needed to support the solution post implementation.

## 1.2 Project Scope

There is no Cloverleaf integration that is necessary for the Biometric Patient Self-Check in Kiosk. Once the patient arrives for check in, demographic check-in ADT will be sent inbound and processed over to Soarian.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

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

### 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

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

# 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.2015.10.5 | Palm Secure Identity | Palm Secure Identity (PSI) is an application used in conjunction with the Kiosk. Patients can go to a Kiosk and check themselves in using the Palm Secure Identity vein scanner. This requires a separate outbound ADT interface. |

## 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 Outbound from BayCare’s Cloverleaf –N/A

Click here to enter text.

### 3.3.2 Inbound to BayCare’s Cloverleaf

Test

Port Number: 23228

IP Address: Cannot access

Prod

Port Number: 23228

IP Address: Cannot access

### 3.3.3 Inbound to the Vendor –N/A

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

### 3.3.5 Inbound to the BayCare Cerner - N/A

### 3.3.6 Outbound to the BayCare Cerner - N/A

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

[EVN]

PID

[{NK1}]

[PV1]

[PV2]

[{ROL}]

[{GT1}]

[{OBX}]

[{

IN1

}]

[ZPT]

*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 (inbound) for this integration

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A04 | Outpatient arrival |
|  |  |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files

Inbound: raw, no translation file

### 4.1.4 Cloverleaf Site Location

soarf\_outbound\_18

## 4.2 Data Transformation Requirements –N/A

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## 4.3 Sample Message

**INBOUND:**

MSH|^~\&|KIOSK|60A0|MCS||20180914101429||ADT^A04|121|P|2.7|121

ZSH||||||TRUE

EVN|A04|20180914101429|||KIOSK

PID|||810069140^^^900000^PN||ORL^GENA^^^^^L

PV1||O|||||269^^^^^^^^900000^^^^DN|||ERD|||||||||||||||||||||||||||||Mease Countryside|||||201809141014||||||121-11251230^^^2135^ZVN

PV2|||^SICK||||~~KIOSK||||||||||||||||MC ED|||||||||||||||||KIOSK

# 

# **5. Testing**

## 5.1. Unit Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| A04 inbound | Rebounded to all downstream applications who process ER patients. |
|  |  |
|  |  |
|  |  |
|  |  |

# Appendix A: Risks and Concerns –N/A

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

# Appendix B: Issues List –N/A

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