**Cerner Portal Invite to Soarian**

**Version 1.1**

**Prepared By: Rich Allison**

**Date: 1/4/2019**

[Document Control 3](#_Toc499819512)

[Resources 3](#_Toc499819513)

[Project Distribution List 3](#_Toc499819514)

[Document Version Control 3](#_Toc499819515)

[1. Introduction 4](#_Toc499819516)

[1.1 Purpose 4](#_Toc499819517)

[1.2 Project Scope 4](#_Toc499819518)

[1.3 Terminology Standards 4](#_Toc499819519)

[1.3.1 Acronyms 4](#_Toc499819520)

[1.3.2 Glossary 4](#_Toc499819521)

[1.4 Document References 4](#_Toc499819522)

[*2.* Diagram 5](#_Toc499819523)

[3. Requirements 5](#_Toc499819524)

[3.1 Functional Requirements 5](#_Toc499819525)

[3.2 Non-Functional Requirements 6](#_Toc499819526)

[3.3 Messaging Protocols 6](#_Toc499819527)

[3.3.1 Inbound to the BayCare Cloverleaf from /sites/ftp\_data\_in/cernerportal 6](#_Toc499819528)

[3.3.2 Outbound to Soarian 6](#_Toc499819529)

[4. HL7 Messaging 6](#_Toc499819530)

[4.1 Messaging Format 6](#_Toc499819531)

[4.1.1 Segments 7](#_Toc499819532)

[4.1*.*2 Messaging Event Types 7](#_Toc499819533)

[4.1*.*3 Cloverleaf Configuration Files 7](#_Toc499819534)

[4.1.4 Cloverleaf Site Location 8](#_Toc499819535)

[4.2 Data Transformation Requirements 8](#_Toc499819536)

[4.3 Sample Messages 8](#_Toc499819537)

[5. Testing 9](#_Toc499819538)

[5.1. Unit Testing Scenarios 9](#_Toc499819539)

[5.2 Integrated Testing Scenarios 9](#_Toc499819540)

[5.3 Testing Approvals 9](#_Toc499819541)

[5.4 Piloting 10](#_Toc499819542)

[5.5 Approvals 10](#_Toc499819543)

[6. Deployment / Implementation Model 10](#_Toc499819544)

[Appendix A: Risks and Concerns 11](#_Toc499819545)

[Appendix B: Issues List 11](#_Toc499819546)

# **Document Control**

## Resources

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Email** |
| Cerner CCL team |  |  |
| Soarian Team |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 1/22/2016 | Rich Allison | Originally Created |
| V1.2 | 1/4/19 | Shanon Carter | Updated Document to reflect CCL job and name |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

Update patient records in Soarian with the Cerner Patient Portal invite acceptance from Cerner.

## 1.2 Project Scope

Send the Cerner patient portal enrollment claimed date to Soarian.

A CCL script Found in Control Group CCL\_Reports\_2 runs job Cerner Portal Claimed Invitations daily @ 0408 and creates the extract the patient CPI, name, DOB, status (“claimed”) and the date claimed from Cerner and loads the records into a comma delimited VRL file.

This file is picked up and processed by Cloverleaf daily. Cloverleaf creates and sends A31 person update messages to Soarian.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

### 1.3.2 Glossary

## 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).

Cerner 🡪

CCL Extract 🡪 Found in Control Group CCL\_Reports\_2 runs daily @ 0408

Job Cerner Portal Claimed Invitations🡪

Creates bc\_ptportal\_claim file 🡪

/sites/ftp\_data\_in/cernerportal 🡪

Cloverleaf 🡪

cerner\_portal\_invite (fileset-local) 🡪

cerner\_portal\_invite\_adt.xlt 🡪

A31 message 🡪

soarf\_boi\_pers\_out

# 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.2015.1.0 | Create bc\_ptportal\_claim comma delimited VRL file | CCL script extracts data from Cerner |
| FR.2015.1.1 | put file for Cloverleaf access | file put to /sites/ftp\_data\_in/cernerportal |
| FR.2015.1.2 | Cloverleaf retrieve file | cerner\_portal\_invite fileset-local connection on inbound\_xfer\_prod reads the file |
| FR.2015.1.3 | Create update messages for Soarian | Cloverleaf interface cerner\_portal\_invite\_adt.xlt formats VRL records into HL7 A31 messages |
| FR.2015.1.4 | Send messages to Soarian | Send messages on Soarian soarf\_boi\_pers\_out connection (port 10264) |
|  |  |  |
|  |  |  |

## 3.2 Non-Functional Requirements

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

### 3.3.1 Inbound to the BayCare Cloverleaf from /sites/ftp\_data\_in/cernerportal

* fileset-local flat file read

### 3.3.2 Outbound to Soarian

* TCP IP MLLP Encapsulated
* Port: 10264
* IP Address: 64.46.229.11 Production 64.46.231.206 Test

# 4. HL7 Messaging

## 4.1 Messaging Format

Inbound: VRL

Outbound: HL7

### 4.1.1 Segments

The segments utilized for this interface are:

VRL:

CPI

last\_name

first\_name

DOB

status

claimed\_dt

HL7:

MSH

EVN

PID

[{ZPT}]

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A31 | Update Person Information |
|  |  |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files

Variants:

HL7 2.6/Soarian ADT\_A31

VRL:

cerner\_portal\_invite

Xlates:

cerner\_portal\_invite\_adt

Filters:

None

### 4.1.4 Cloverleaf Site Location

soarf\_outbound\_23

## 4.2 Data Transformation Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| Basic copy commands – see xlate |  |  |  |  |  |
| ZPT Segment (Patient Alert) | ZPT.1  ZPT.2  ZPT.3 | Y  Y  Y | CWE  IS  DT | 250  50  8 | Copy =BC CONSID  Copy =Patient Portal Enrolled  Copy claimed\_dt |

## 4.3 Sample Messages

VRL:

300760179,XXXXXXXX,JANET,12/03/1965,claimed,02/16/2016

HL7:

MSH|^~\&|CERNER||SOARF||20160217050501||ADT^A31|20160217050501CERPORTXXXXXXXX|P|2.7

EVN|A31|20160217050501|||CERPORT|20160217050501

PID|||300760179^^^900000^PN

ZPT|BC CONSID|Patient Portal Enrolled|20160216

# **5. Testing**

## 5.1. Unit Testing Scenarios

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

## 5.2 Integrated Testing Scenarios

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

## 5.3 Testing Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
| PH1.UNIT |  |  |  |
| PH1.INTEGRATED |  |  |  |

### 

## 5.4 Piloting

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

Provide the detail as to how to deploy the solution defined in the IDBB from both the BAYCARE and vendor perspective.

# 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