**SIU from GE Centricity Business to Phreesia**

**Version 1.1**

**Prepared By: Lois Whitley & Stephen Mattei**

**Date: 2/6/2018**

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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 | 1/16/2018 | Lois Whitley | Originally Created |
| V1.1 | 2/6/18 | Stephen Mattei | Updated Cloverleaf requirements |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to describe the scheduling (SIU) interface requirements from GE Centricity Business to Phreesia.

Phreesia is a suite of applications that will manage the intake process in the BayCare Medical Group and BayCare Urgent Care offices. Patients can pre-register, update clinical and demographic information, sign forms and policies and pay copays and outstanding balances from their own devices or from a tablet in the waiting room.

## 1.2 Project Scope

This project involves the implementation of a scheduling (SIU) interface from GE Centricity Business to Phreesia. There is also a results interface from Phreesia to Cerner that sends a PDF file to Cerner when documents are signed. This document describes the SIU interface only.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

SIU – schedule information unsolicited

### 1.3.2 Glossary

Phreesia – vendor and software

## 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

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.2018.1.0 | No data transformation | All transactions will be sent as is with no data transformation. This is known as a raw data interface. |

## 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 Vendor

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

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

SCH

PID

PV1

AIS

AIG

AIL

AIP

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header segment*

*SCH – Schedule Activity Information segment*

*PID – Patient ID segment*

*PV1 – Patient Visit segment*

*AIS – Appointment Information: Service segment*

*AIG – Appointment Information: General Resource segment*

*AIL – Appointment Information: Location Resource segment*

*AIP – Appointment Information: Personnel Resource 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** |
| S12 | Notification of New Appointment Booking |
| S13 | Notification of Appointment Rescheduling |
| S14 | Notification of Appointment Modification |
| S15 | Notification of Appointment Cancellation |

### 4.1*.*3 Cloverleaf Configuration Files

N/A – raw interfaces with no translation or filtering

### 4.1.4 Cloverleaf Site Location

bmg\_1

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Notes** |
| --- | --- | --- | --- |
| **All segment and fields sent as is with no transformation or mapping** | **\*\*\*** | **N/A** | **This is a raw interface** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## 4.3 Sample Message

MSH|^~\&|||||201801160711||SIU^S12|64664\_13\_SC1|P|2.3||||||ASCII|

SCH|4612218|||||~HIE OBTAINED|EST|EST|20|MIN|201801160930|MS010745^ELDER MD^KEVIN^E^^^^1598768160||||||||B105708TEST|||||PEN|

PID|1||810016441^6007950^^IDX||PHREESIA^EIGHTEEN^^^^||19880118|F||2054-5|1050 E JACKSON^^SAINT PETERSBURG^FL^33705||(813)213-1818|||S||4612218|999-99-9999||||||||||||

PV1|1|O|HPA|||||261^ELDER MD^KEVIN^E^^^^1598768160|||||||||||EST|||||||||||||||||||||||||201801160930|

AIS|1||4612218|201801160930|||20|MIN||P|

AIG|1||106^FAM|||||201801160930|||20|MIN||P|

AIL|1||HPA|||201801160930|||20|MIN||P|

AIP|1||MS010745^ELDER MD^KEVIN^E^^^^1598768160|||201801160930|||20|MIN||P|

MSH|^~\&|||||201801161328||SIU^S13|64664\_188\_SC2|P|2.3||||||ASCII|

SCH|4612238|||||~TUESDAY TESTING|NUR|NUR|10|MIN|201801161400|RS7150^NSFAM^S6I^^^^||||||||B105708TEST| ||||RSC|

PID|1||810016445^6007954^^IDX||PHREESIA^TWENTYTWO^^^^||19820522|M||2077-9|1010 TYRONE BLVD^^SAINT PETERSBURG^FL^33715||(727)813-0022|||D||4612238|150-22-0122||||||||||||

PV1|1|O|S6I|||||175^NGUYEN MD^PHUONG^D^^^^1083993059|||||||||||NUR|||||||||||||||||||||||||201801161400|

AIS|1||4612238|201801161400|||10|MIN||R|

AIG|1||106^FAM|||||201801161400|||10|MIN||R|

AIL|1||S6I|||201801161400|||10|MIN||R|

AIP|1||RS7150^NSFAM^S6I^^^^|||201801161400|||10|MIN||R|

MSH|^~\&|||||201801161334||SIU^S14|64664\_196\_SC6|P|2.3||||||ASCII|

SCH|4612237|||||~TEST|EST|EST|20|MIN|201801161500|MS010745^ELDER MD^KEVIN^E^^^^1598768160||||||| |B104176TEST|||||ARR|

PID|1||810016457^6007976^^IDX||PHREESIA^BARB-TWENTY^^^^||19800101|F|||||(727)631-3828|||U||4612237|999-99-9999||||||||||||

PV1|1|O|HPA|||||261^ELDER MD^KEVIN^E^^^^1598768160|||||||||||EST|||||||||||||||||||||||||201801161500|

AIS|1||4612237|201801161500|||20|MIN||A|

AIG|1||106^FAM|||||201801161500|||20|MIN||A|

AIL|1||HPA|||201801161500|||20|MIN||A|

AIP|1||MS010745^ELDER MD^KEVIN^E^^^^1598768160|||201801161500|||20|MIN||A|

MSH|^~\&|||||201801161328||SIU^S15|64664\_186\_SC4|P|2.3||||||ASCII|

SCH|4612224|||||~TUESDAY TESTING|NUR|NUR|10|MIN|201801160900|RS7150^NSFAM^S6I^^^^||||||||B105708TEST|||||CAN|

PID|1||810016445^6007954^^IDX||PHREESIA^TWENTYTWO^^^^||19820522|M||2077-9|1010 TYRONE BLVD^^SAINT PETERSBURG^FL^33715||(727)813-0022|||D||4612238|150-22-0122||||||||||||

PV1|1|O|S6I|||||175^NGUYEN MD^PHUONG^D^^^^1083993059|||||||||||NUR|||||||||||||||||||||||||201801160900|

AIS|1||4612224|201801160900|||10|MIN||C|

AIG|1||106^FAM|||||201801160900|||10|MIN||C|

AIL|1||S6I|||201801160900|||10|MIN||C|

AIP|1||RS7150^NSFAM^S6I^^^^|||201801160900|||10|MIN||C|

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

# 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