**Get Well Network ADT Requirements**

**Version 1.1**

**Prepared By: Tiffany Bohall**

**Date: 2/16/2017**

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# **Document Control**

## Resources

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 10/6/2015 | Tiffany Bohall | Originally Created |
| V1.1 | 2/16/2017 | Tiffany Bohall | Updated to include additional facilities |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to provide details on the build of the ADT interface that supports Get Well Network.

## 1.2 Project Scope

The scope of the integration for Get Well network consists of ADT from Soarian, pharmacy and video orders from Cerner and unsolicited results from Get Well network back to Cerner. This document is only the ADT portion. The Orders and Results interface requirements documents can be found in the same SharePoint folder as this document.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

GWN: Get Well Network

### 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

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.2015.10.9 | Soarian room and bed | For each hospital location, the vendor loaded the nurse’s stations rooms and beds which were set up with the Get Well Network application. Even though they would receive all locations in the ADT does not mean they will post to the Get Well Network database. |

## 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.2015.10.9 | MDU filter | There is a filterSubFldcheck on the Mease Dunedin route from Soarian only, which suppresses “AMBD” in PV1.3. The scope of the project for Dunedin did not include Ambulatory patients so after the interface went life, I was requested to block this subset from passing in the ADT. |

## 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 the BayCare Cloverleaf –N/A

Click here to enter text.

### 3.3.2 Outbound to the BayCare Cloverleaf –N/A

* Click here to enter text.

### 3.3.3 Inbound to the Vendor –N/A

* Click here to enter text.

### 3.3.4 Outbound to Get Well Network

Test

Port Number: 9020

IP Address: 68.71.224.169

Prod

Port Number: 9018

IP Address: 10.111.245.30

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

Click here to enter text.

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

Click here to enter text.

# 4. HL7 Messaging

## 4.1 Messaging Format

HL7 v. 2.6, Soarian ADT\_A01

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

[PV1]

[PV2]

*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 patient |
| A03 | Discharge |
| A04 | Outpatient Arrival |
| A06 | Status transfer-out to in |
| A07 | Status transfer-in to out |
| A08 | Update person information |
| A10 | Place an outpatient in a bed |
| A11 | Cancel Admit |
| A13 | Cancel Discharge |

### 4.1*.*3 Cloverleaf Configuration Files

Soarf\_gwnet\_adt translation file

### 4.1.4 Cloverleaf Site Location

Patient\_ed

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| MSH Segment | MSH | Y | ST, HD, DTM, MSG, PT, VID, NM, ID, CWE, EI, XON | 1-567 | Copy the entire segment |
| Sending Application | MSH.3 | N | HD | 227 | Hard coding “BAYCARE” |
| Sending Facility | MSH.4 | N | HD | 227 | Copy |
| Receiving Application | MSH.5 | N | HD | 227 | Hard coding “GWN” |
| Version ID | MSH.12 | Y | VID | 60 | Hard coding “2.3” |
| EVN Segment | EVN | Y | ID, DTM, IS, XCN, HD | 3-250 | Copy the entire segment |
| Patient Identifier ID Number (MRN) | PID.3.0 | Y | CX | 250 | Copy |
| Patient Identifier Check Digit | PID.3.1 | Y | CX | 250 | Hard coding “MRN” |
| Patient Identifier ID Number (CPI) | PID.3(1).0 | Y | CX | 250 | Copy from PID.2.0 |
| Patient Identifier Check Digit | PID.3(1).1 | Y | CX | 250 | Hard coding “CPI” |
| Patient Name: last, first, middle initial | PID.5.0  PID.5.1  PID.5.2 | Y | XPN | 250 | Copy from PID.5.0, PID.5.1 and PID.5.2 |
| Patient date of birth | PID.7 | Y | DTM | 24 | Copy |
| Patient administrative sex | PID.8 | Y | IS | 1 | Copy |
| Patient home phone number | PID.13 | N | XTN | 250 | Copy |
| Patient primary language | PID.15 | Y | CWE | 705 | Copy |
| Patient account number ID | PID.18.0 | Y | CX | 250 | Copy |
| Patient’s mother’s identifier | PID.21 | Y | CX | 250 | Copy |
| Patient class | PV1.2 | Y | IS | 1 | Copy |
| Assigned patient location | PV1.3 | Y | PL | 80 | Copy |
| Admission type | PV1.4 | N | IS | 10 | Copy |
| Prior patient location | PV1.6 | Y | PL | 80 | Copy |
| Attending Doctor | PV1.7 | Y | XCN | 250 | Copy |
| Account status | PV1.41 | Y | IS | 20 | Copy |
| Admit date/time | PV1.44 | Y | DTM | 24 | Copy |
| Discharge date/time | PV1.45 | Y | DTM | 24 | Copy |
| Expected discharge date/time | PV2.9 | N | DTM | 24 | Copy |
| Previous service date | PV2.14 | N | DT | 8 | Copy |

## 4.3 Sample Message

MSH|^~\@|BAYCARE|SJW|GWN||201510080956||ADT^A01|88f6776e-941f-4c9b-8bef-714433fc5912|P|2.3||1

EVN|A01|201510080956||CI|bxr69163|201510080948|9070

PID|||2104716333^MRN~300146043^CPI||WINTER^SUMMER||19700717|F|||||^PRN^PH^^1^813^2437042^""^Pref||ZH|||6000008624

PV1||I|W2E^W203^02^SJW|Elective|||001309^Amoroso^Michele^Kristine^^PRN^1750379210^NPI|||||||||||||||||||||||||||||||||||||201510080948

MSH|^~\&|BAYCARE|MPH|GWN||201510081459||ADT^A04|6ddf2fc3-900c-4259-bcbe-742724cf204f|P|2.3||1

EVN|A04|201510081459||CI|b096379|201510081455|16401

PID|||2104716335^MRN~300146046^CPI||BOPEEP^LITTLE||20121212|F||||||||||6000008626

PV1||O||Elective|||005254^Killeen^Robert^B^Jr^PRN^1841290681^NPI^01036^PRDOC^MPH|||||||||||||||||||||||||||||||||||||201510081455

MSH|^~\&|BAYCARE|MPH|GWN||201510081631||ADT^A08|00e47116-c083-4b2e-82b6-305364bfddab|P|2.3||1

EVN|A08|201510081631||RVE|W0A5asyncuser|201510081631|SOARIAN80A0

PID|||2104707036^MRN~300135077^CPI||RUBIN^DYANNE||19681018|F|||||^PRN^PH^^1^813^4077393||EN|||6000008627

PV1||O|||||005520^Laramee^Christine^^^PRN^1467487967^NPI^01371^PRDOC^MPH^^^^onecall|||||||||||||||||||||||||||||||||||||201510080800

MSH|^~\&|BAYCARE|SJW|GWN||201510080850||ADT^A03|835541ae-4948-4549-aa5b-4335563c7769|P|2.3||1

EVN|A03|201510080850||CO|pdc50934|201510080849|9070

PID|||2104706121^MRN~300133896^CPI||LEETEST^STEVEN||20150112|F|||||||EN|||1100095170

PV1||I|W3E^X301^01^SJW|Elective|||004894^Abbott^Norman^S^Jr^PRN^1679582142^NPI|||||||||||||||||||||||||||||||||||||201501301429|201510080849

# **5. Testing**

## 5.1. Unit Testing Scenarios –N/A

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

## 5.2 Integrated Testing Scenarios –N/A

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

Completion Dates of Successful Go-Lives

SJWH and SJCH on November 20, 2013

SJHN on December 4, 2013

SJH on December 18, 2013

SAH on September 3, 2014

SFBH on October 22, 2014

MPNBH on December 17, 2014

SJHS on February 2, 2015

MDH on July 15, 2015

MCH on September 9, 2015

MPH on October 7, 2015

BRM on December 19, 2016

WHH/WHW on February 14, 2017

# 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