**TelCor ADT Interface Requirements**

**Version 1.1**

**Prepared By: Tiffany Bohall**

**Date: 9/19/2019**

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# **Document Control**

## Resources

|  |  |  |
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## Project Distribution List –N/A

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 1/22/2016 | Tiffany Bohall | Originally Created |
| V1.1 | 9/19/19 | Tiffany Bohall | Updated to include Behavioral Health filter parameters |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to provide the audience with the requirements that were created for the ADT interface from Soarian. The intended audience would include anyone who needs to know more detailed information regarding the production configurations currently in place. This interface was rewritten in March 2012 when Soarian Financials and Scheduling was implemented and rolled out.

## 1.2 Project Scope

The scope of the integration that is defined in this IDDB, contains the ADT interface only. There are no other interface components defined which go through BayCare’s interface engine.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

ADT: Admission, Discharge, Transfer HL7 transactions

### 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;

**Enterprise Integration Services team Share Point site**: Applications and Systems > TelCor Point of Care > TELCOR Point of Care ADT spec.

# *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.2016.1.22 | ADT maintenance | The vendor has a job on their end which auto-discharges all class E patients after 30 days and all class O patients after 120 days. |
| FR.2016.1.22 | tpsAdvHL7Filter | Suppress any A08 events that have a value in PV1.45 (discharge date/time)  Suppress any transactions that have PSI in PV1.10 (Hospital Service). This blocks persons enrolled solely for the purposes of creation during demos/fairs, etc.  Block Behavioral Health locations except for ISU |

## 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.

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

* Click here to enter text.

### 3.3.2 Outbound from BayCare’s Cloverleaf

**Test**

Port Number: 6401

IP Address: 10.44.141.153

**Prod**

Port Number: 7401

IP Address: 10.44.65.139

### 3.3.3 Inbound to the Vendor –N/A

* 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**

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**

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 |
| A05 | Pre-admit |
| 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: soarf\_telcor\_adt.xlt

### 4.1.4 Cloverleaf Site Location

Cloverleaf site locations for interfaces: soarf\_adt\_ent\_18

## 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 segment |
| Encoding Characters | MSH.2 | Y | ST | 4 | Hard code “^~\&” |
| Sending Facility | MSH.4 | Y | HD | 227 | Copy |
| Receiving Application | MSH.5 | Y | HD | 227 | Hard coding “TELCOR” |
| Receiving Facility | MSH.6 | Y | HD | 227 | Hard coding “QLM-ADT” |
| Message Control ID | MSH.10 | Y | ST | 199 | Copy with TCL proc that grabs control ID characters 5-8 and then concatenates that output with MSH.7, PV2.24 and PV1.18 outbound. |
| Version ID | MSH.12 | Y | VID | 60 | Hard coding “2.3” |
| Event Notice Segment | EVN | N | Varies | Varies | Path copy the entire segment |
| Patient Identifier List | PID.3 | Y | CX | 250 | Copy |
| Patient Name | PID.5.0  PID.5.1  PID.5.2 | Y | XPN | 250 | Copy with TCL proc to format the name ‘last name, first name middle name’ |
| Date/Time of Birth | PID.7 | Y | DTM | 24 | Copy |
| Administrative Sex | PID.8 | Y | IS | 1 | Copy |
| Patient Account Number | PID.18 | Y | CX | 250 | Copy |
| Patient Class | PV1.2 | N | IS | 1 | Copy |
| Assigned patient Location: Point of Care, Room, Bed, Facility | PV1.3.0  PV1.3.1  PV1.3.2  PV1.3.3 | Y | PL | 80 | Copy. If EVN.1 = A11, null PV1.3 outbound. |
| Patient Type | PV1.18 | Y | IS | 10 | If EVN.1 = A05 and EVN.4 = SE or EVN.4 = SEM, hard code “P” into PV1.18 outbound. Else, copy PV1.18 outbound.  \*This tells TelCor the patient is in pre-admit status.\* |
| Prior Patient Location | PV1.6.0  PV1.6.1  PV1.6.2 | Y | PL | 80 | Copy |
| Attending Doctor: ID Number, Family Name, Given Name | PV1.7.0  PV1.7.1  PV1.7.2 | N | XCN | 250 | Copy. If PV1.7.0 does not = 99999, copy outbound. |
| Admitting Doctor: ID Number, Family Name, Given Name | PV1.17.0  PV1.17.1  PV1.17.2 | N | XCN | 250 | Copy. If PV1.17.0 does not = 99999, copy outbound. |
| Admit Date/Time | PV1.44 | N | DTM | 24 | Copy and with TCL proc, concatenate ‘00’ onto seconds, with admit date and time outbound |
| Discharge Date/Time | PV1.45 | N | DTM | 24 | Copy. If EVN.1 = A13, null PV1.45. |

## 4.3 Sample Message –Outbound

MSH|^~\&|SOARIAN|SJH|TELCOR|QLM-ADT|201601211023||ADT^A05|b5b5-49201601211023ScheduledIP|P|2.3||1

EVN|A05|201601211023||SE|pdc50934|201601211300|9050

PID|||2104717406^^^BCHS^MR||MEDICITY ,ADTONE||19220202|F||||||||||6000010773^^^BCHS^VCD^^20160121

PV1||I|||||055144^Cimino^Patrick^Thomas^^PRN^1962540997^NPI^05091^PRDOC^SJH||||||||||055144^Cimino^Patrick^Thomas^^PRN^1962540997^NPI^05091^PRDOC^SJH|P||||||||||||||||||||||||||201601211300

MSH|^~\&|SOARIAN|NBY|TELCOR|QLM-ADT|201601211315||ADT^A04|90a2-34201601211315Checked inE|P|2.3||1

EVN|A04|201601211315||CI|dah45255|201601211310|9014

PID|||2104717411^^^BCHS^MR||GEORGE ,ALMC C||19400824|F||||||||||6000010784^^^BCHS^VCD^^20160121

PV1||E|||||666666^Unassigned^ER Doctor^^^PRN^^^66666^PRDOC^NBY||||||||||666666^Unassigned^ER Doctor^^^PRN^^^66666^PRDOC^NBY|E||||||||||||||||||||||||||201601211310

MSH|^~\&|SOARIAN|SJH|TELCOR|QLM-ADT|201601211056||ADT^A13|6dab-86201601211056Checked inI|P|2.3||1

EVN|A13|201601211056||XCO|pdc50934|201601211055|9050

PID|||2104717406^^^BCHS^MR||MEDICITY ,ADTONE||19220202|F||||||||||6000010777^^^BCHS^VCD^^20160121

PV1||I|3E^B317^A^SJH||||005312^Wyko^Robert^B^^PRN^1891730685^NPI^06450^PRDOC^SJH^^^^onecall||||||||||055144^Cimino^Patrick^Thomas^^PRN^1962540997^NPI^05091^PRDOC^SJH|I||||||||||||||||||||||||||201601211035

# **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

Deployment was completed in a phased facility roll out with the Soarian go lives.

## 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

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