**ADT\_Soarian\_Par Excellence Reqs**

**1.0**

**Prepared By: Rich Allison**

**Date: 5/22/2018**

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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

|  |  |  |  |
| --- | --- | --- | --- |
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|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

This document outlines the contents and logic of the Soarian ADT to Par Excellence translation interface.

## 1.2 Project Scope

Develop an interface for Soarian ADT messages to Par Excellence.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

MLLP – Minimum Lower Layer Protocol for messaging framing a HL7 message.

### 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

# 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.20XX.1.0 | Click here to enter text. | Soarian ADT interface to Par Excellence for MPH, NBY, MCS, MDU, BAH, WHH, BRM, SFB, SAH, SJH, SJN and SJS |

## 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 BayCare Cloverleaf

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

### 3.3.3 Inbound to the Vendor

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

### 3.3.4 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

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 | Admit/visit notification |
| A02 | Transfer a Patient |
| A03 | Discharge/end visit |
| A08 | Update patient information |
| A10 | Patient arriving - tracking |
| A11 | Cancel admit/visit notification |
| A13 | Cancel discharge/end visit |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files

For each HL7 interface specified in Section 2 of this document, identify the Cloverleaf Configuration Files: Variants, TCL Scripts, Xlates and Tables, etc.

Variants:

HL7 2.6/Soarian ADT\_A01

TCL Scripts:

None

Xlates:

soarf\_parex\_adt.xlt

Tables:

None

### 4.1.4 Cloverleaf Site Location

soarf\_adt\_fac\_19\_p

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Notes** |
| --- | --- | --- | --- |
| MSH Segment |  | Y | PATHCOPY the MSH segment |
| Message Control ID | MSH.10 |  | COPY @null to MSH.10.0 |
| Continuation Pointer | MSH.14 |  | COPY @null to MSH.14 |
| EVN Segment |  | Y |  |
| Event Type Code | EVN.1 |  | COPY EVN.1 to EVN.1 |
| Recorded Date/Time | EVN.2 |  | COPY EVN.2 to EVN.2 |
| PID Segment |  | Y |  |
| Patient Identifier List – ID Number | PID.3 |  | COPY PID.3.0 to PID.3.0 |
| Patient Name | PID.5 |  | PATHCOPY @null to PID.5 |
| Patient Name – Family Name | PID.5.0 |  | COPY PID.5.0 to PID.5.0 |
| Patient Name – Given Name | PID.5.1 |  | COPY PID.5.1 to PID.5.1 |
| Patient Name – Second and Further Name | PID.5.2 |  | COPY PID.5.2 to PID.5.2 |
| Date/Time of Birth | PID.7 |  | COPY PID.7 to PID.7 |
| Administrative Sex | PID.8 |  | COPY PID.8 to PID.8 |
| Race | PID.10 |  | COPY PID.10 to PID.10 |
| Marital Status | PID.16 |  | COPY PID.16 to PID16 |
| Religion | PID.17 |  | COPY PID.17 to PID.17 |
| Patient Account Number | PID.18.0 |  | COPY PID.18.0 to PID.18.0 |
| SSN Number | PID.19 |  | COPY PID.19 to PID.19 |
| PV1 Segment |  | Y |  |
| Patient Class | PV1.2 |  | COPY PV1.2 to PV1.2 |
| Assigned Patient Location | PV1.3 |  | COPY PV1.3 to PV1.3 |
| Prior Patient Location | PV1.6 |  | COPY PV1.6 to PV1.6 |
| Attending Dr – ID Number | PV1.7(0) |  | COPY PV1.7(0) to PV1.7(0) |
| Attending Dr – Family Name | PV1.7(1) |  | COPY PV1.7(1) to PV1.7(1) |
| Attending Dr – Given Name | PV1.7(2) |  | COPY PV1.7(2) to PV1.7(2) |
| Attending Dr – Second and Further Name | PV1.7(3) |  | COPY PV1.7(3) to PV1.7(3) |
| Hospital Service | PV1.10 |  | COPY PV1.10 to PV1.10 |
| Patient Type | PV1.18 |  | COPY PV1.18 to PV1.18 |
| Financial Class | PV1.20(0) |  | COPY PV1.20(0) to PV1.20(0) |
| Admit Date/Time | PV1.44 |  | COPY PV1.44 to PV1.44 |
| Discharge Date/Time | PV1.45 |  | COPY PV1.45 to PV1.45 |

## 4.3 Sample Message

INBOUND:

MSH|^~\&|SOARF|MDU|||201805221312||ADT^A04|ee6e7568-3b29-4a15-a363-e5043df034b0|P|2.7||1

EVN|A04|201805221312||CI|amd52717|201805221308|9025

PID|1|810011985^^^900000^PN|7000013485^^^BCHS^MR||DURILLATEST^PCP^^^^^L^^^20170419||19791231|F||White|2929 DREW STREET^^Clearwater^FL^33759^USA^M^^Pinellas^^^20170419||^PRN^PH^^1^727^2819000^^Pref||EN|S|Catholic|6000037745^^^BCHS^VCD^^20180522||||Non HIS or LAT||N|0|||||N|N

PD1||||||||N

PV1|1|E||Emergency|||007046^Patrick^Brian^Alexander^^PRN^1821037128^NPI^02642^PRDOC^MDU^^^^onecall^70A0|||ERD|||N|EO|||007046^Patrick^Brian^Alexander^^PRN^1821037128^NPI^02642^PRDOC^MDU|E|5103808358^^^504^VN^^20180522|Comm|||||||||||||||||||9025|||||201805221308|||||||V

PV2|||^TEST||||~~~~false||||||0||N||||||N||MD ED^L^639^^^900000^XX~^^1336125640^^^900004^NPI|Checked in|||||||N|||||N||W

ROL||UC|PP|032331^Saberi^Ali^^^PRN^1649495276^NPI^14589^PRDOC^MDU|201705181335||||Phys|||^WPN^PH^^0^727^8943733~^ORN^FX^^0^727^8251482

ROL||AD|AT|007046^Patrick^Brian^Alexander^^^MD^^183^L^^^PRN^^^^20160322~2240^^^^^^^^900000^^^^DN~ME92778^^^^^^^^195^^^^LN~1821037128^^^^^^^^900004^^^^NPI~02642^^^^^^^^769^^^^PRN~80133^^^^^^^^777^^^^PRN~R9140^^^^^^^^745^^^^PRN~80133^^^^^^^^779^^^^PRN~80133^^^^^^^^2127^^^^PRN~80133^^^^^^^^781^^^^PRN~R9140^^^^^^^^748^^^^PRN~02642^^^^^^^^771^^^^PRN~80133^^^^^^^^783^^^^PRN~02642^^^^^^^^772^^^^PRN~02642^^^^^^^^1316^^^^PRN~1^^^^^^^^2134^^^^PRN~02642^^^^^^^^775^^^^PRN~80133^^^^^^^^2077^^^^PRN~R9140^^^^^^^^757^^^^PRN~80133^^^^^^^^2078^^^^PRN~02642^^^^^^^^1325^^^^PRN~80133^^^^^^^^2076^^^^PRN~02642^^^^^^^^737^^^^PRN~02642^^^^^^^^684^^^^PRN~80133^^^^^^^^2075^^^^PRN~02642^^^^^^^^581^^^^PRN~09140^^^^^^^^1505^^^^PRN~007046^^^^^^^^13280^^^^PRN~007046^^^^^^^^13281^^^^PRN~007046^^^^^^^^64837^^^^PRN|201805221308||||Phys|||^WPN^PH^^0^863^6464000~^WPN^PH^^0^727^4472962~^ORN^FX^^0^863^9040398

ROL||AD|AD|007046^Patrick^Brian^Alexander^^^MD^^183^L^^^PRN^^^^20160322~2240^^^^^^^^900000^^^^DN~ME92778^^^^^^^^195^^^^LN~1821037128^^^^^^^^900004^^^^NPI~02642^^^^^^^^769^^^^PRN~80133^^^^^^^^777^^^^PRN~R9140^^^^^^^^745^^^^PRN~80133^^^^^^^^779^^^^PRN~80133^^^^^^^^2127^^^^PRN~80133^^^^^^^^781^^^^PRN~R9140^^^^^^^^748^^^^PRN~02642^^^^^^^^771^^^^PRN~80133^^^^^^^^783^^^^PRN~02642^^^^^^^^772^^^^PRN~02642^^^^^^^^1316^^^^PRN~1^^^^^^^^2134^^^^PRN~02642^^^^^^^^775^^^^PRN~80133^^^^^^^^2077^^^^PRN~R9140^^^^^^^^757^^^^PRN~80133^^^^^^^^2078^^^^PRN~02642^^^^^^^^1325^^^^PRN~80133^^^^^^^^2076^^^^PRN~02642^^^^^^^^737^^^^PRN~02642^^^^^^^^684^^^^PRN~80133^^^^^^^^2075^^^^PRN~02642^^^^^^^^581^^^^PRN~09140^^^^^^^^1505^^^^PRN~007046^^^^^^^^13280^^^^PRN~007046^^^^^^^^13281^^^^PRN~007046^^^^^^^^64837^^^^PRN|201805221308||||Phys|||^WPN^PH^^0^863^6464000~^WPN^PH^^0^727^4472962~^ORN^FX^^0^863^9040398

OBX|1|CE|AdditionalData1^^LSFUSERDATAE||N||||||R

OBX|2|NM|9272-6^Apgar 1^LN||0

OBX|3|NM|9274-2^Apgar 5^LN||0

GT1|1|7000013485^^^504^MR^^20170419~810011985^^^900000^PN^^20170419|DURILLATEST^PCP^^^^^L^^^20170419||2929 DREW STREET^^Clearwater^FL^33759^USA^M^^Pinellas^^^20170419|^PRN^PH^^1^727^2819000^^Pref||19791231|F|P|6||||||||||||||N|||||S||||||EN|||||Catholic|||Non HIS or LAT|||||||||||White

IN1|1|977^Misc Plan|691^^^900000^XX^^20130601|Other Ins Plans^L^691^^^900000^XX|2727 DREW STREET^""^ST PETERSBURG^FL^33759^USA^M^^Pinellas^^POLCS-M|^^^^^^^POLCS-M|^WPN^PH^^1^727^2819075^""^POLCS-M||Misc Plan||||||Health|DURILLATEST^PCP^^^^^L^^^20170419|6|19791231|2929 DREW STREET^^Clearwater^FL^33759^USA^M^^Pinellas|||1||||||||||||||5467899|||||||F||false||||7000013485^^^504^MR^^20170419~810011985^^^900000^PN^^20170419

IN2|||||||||||||||||||||||||99999|GENE||||||||EN|||||Catholic|||Non HIS or LAT|S||||||||||||||||||||^PRN^PH^^1^727^2819000^^Pref||||||||White|6

ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^Misc Plan||||||977^^^900000^HPI^20130611~Indemnity^^^183^NHPI^20140314

PDA||||||N|||N

ZPV|||||||||||||||||||||||||||||||||||||||||||||||||""|BCBCE2MMS1067LK|||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^OP||||||||5103808358^^No SCD^504^ZAVN^^20180522||201805221308

ZID|7000013485^^^504^MR^^20170419~810011985^^^900000^PN^^20170419

OUTBOUND:

MSH|^~\&|SOARF|MDU|||201805221314||ADT^A08||P|2.7

EVN|A08|201805221314

PID|||7000013485||DURILLATEST^PCP||19791231|F||White||||||S|Catholic|6000037745

PV1||I|H3AD^P309^D^MDU||||007046^Patrick^Brian^Alexander^^PRN^1821037128^NPI^02642^PRDOC^MDU^^^^onecall^70A0|||MED||||||||I||Comm||||||||||||||||||||||||201805221313

# 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** |
|  |  |  |  |
| soarf\_adt\_fac\_19\_p | SUPPORT HOURS: Mon - Fri 8am - 5pm  #### Do not need to call unless interface has been down for 3 or more hours #### | SUPPORT:  Primary: IS-Soarian on call group  Secondary: BayCare Materials Management Customer Support 813-888-1900, MMCustomerService@baycare.org  Third: Par Excellence support: 1-800-888-7379 | INTERFACE DESCRIPTION:  ADT (Admission, discharges and Transfers) from Soarian to Par Excellence (Materials Management) |

# 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