**Soarian ADT Normalize**

**1.2**

**Prepared By: Rich Allison**

**Date: 04/19/17**

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# **Document Control**

## Resources

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 01/20/15 | Rich Allison | Originally Created |
| V1.1 | 07/06/15 | Rich Allison | Updated for MPM Soarian connection split. |
| V1.2 | 04/19/17 | Rich Allison | Updated for Behavioral Health |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

This document outlines the contents and logic of the Soarian ADT Normalize translation interface.

## 1.2 Project Scope

Develop an interface for the Soarian implementation that accommodates all of the common code that will be used by most downstream Soarian ADT interface. This interface can then be chained to an application specific ADT interface so that normalized data will be passed to the application specific interface and thereby eliminate redundant code.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

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

### 1.3.2 Glossary

## 1.4 Document References

**Spec:**

None Provided

# 2. Diagram

# 3. Requirements

## 3.1 Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| FR.2015.1.0 | Filter – tpsADVHL7FIlter | Blocks A17 messages. |
| FR.2015.2.0 | Filter – soarf\_rebound\_message\_filter | Block rebound messages out of soarf that should not  go downstream. |
| FR.2015.3.0 | Filter – soarf\_message\_filter | Continue or Kill HL7 messages based on message type and event reason code. |
| FR.2015.4.0 | Filter – filterHL7Msg2Values | Block recurring outpatients. |
| FR.2015.5.0 | Filter – filterHL7Messsage2NEW | Block messages where account status contains Non |
| FR.2015.6.0 | Filter – soarf\_lbhmdrw\_filter | Block rebound messages out of soarf for lab home draw and outreach lab messages. |
|  |  |  |
|  |  |  |

## 3.2 Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| NFR.2015.1.0 | Table updates | Table updates for soarian encounter location suffix’s, soarian system IDs and patient types come from the Soarian application team. |

## 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 the BayCare Cloverleaf SFBSAH

* TCP IP MLLP
* Port: 20004
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.2 Inbound to the BayCare Cloverleaf SJHSJW

* TCP IP MLLP
* Port: 20003
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.3 Inbound to the BayCare Cloverleaf SJNSJS

* TCP IP MLLP
* Port: 20006
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.4 Inbound to the BayCare Cloverleaf MPHNBY

* TCP IP MLLP
* Port: 20002
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.5 Inbound to the BayCare Cloverleaf MCSMDU

* TCP IP MLLP
* Port: 20010
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.6 Inbound to the BayCare Cloverleaf BOI

* TCP IP MLLP
* Port: 20005
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.7 Inbound to the BayCare Cloverleaf WHHWHWBRM

* TCP IP MLLP
* Port: 20009
* IP Address: 10.5.250.201 Production 10.5.250.203 Test

### 3.3.8 Outbound to the BayCare Cloverleaf

# 4. HL7 Messaging

## 4.1 Messaging Format

For each HL7 interface specified in Section 2 of this document, identify the message type, segments and events included in the interface. Also provide links to the HL7 specifications in the external document reference.

### 4.1.1 Segments

The segments utilized for this interfaces are:

|  |
| --- |
| MSH  [ZSH] |
| EVN |
| PID |
| [ PD1 ] |
| [ MRG ] |
| [{ NK1 } ] |
| [ PV1 ] |
| [ PV2 ] |
| [{ ROL } ] |
| [{ OBX } ] |
| [{ DG1 } ] |
| [{ DRG } ] |
| [{ PR1 } ] |
| [{ GT1 } ] |
| [ ZG1 ] |
| [ { |
| IN1 |
| [ IN2 ] |
| [ ZIN ] |
| [ ZAR ] |
| [{ PRT } ] |
| } ] |
| [ PDA ] |
| [ ZPV ] |
| [ ZP1 ] |
| [{ ZPT } ] |

### 

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| ADT^A01 | Admit |
| ADT^A02 | Transfer |
| ADT^A03 | Discharge |
| ADT^A04 | Register |
| ADT^A05 | Pre-Admit |
| ADT^A06 | Change outptnt to inptnt |
| ADT^A07 | Change inptnt to outptnt |
| ADT^A08 | Update |
| ADT^A10 | Patient arriving |
| ADT^A11 | Cancel admit/visit |
| ADT^A13 | Cancel discharge |
| ADT^A28 | Add person info |
| ADT^A31 | Update person info |
| ADT^A38 | Cancel pre-admit |
| ADT^A40 | Merge patient |
| ADT^A44 | Move account info |
| ADT^A45 | Move visit info |
| ADT^A47 | Change ptnt identifier |

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| Sending facility | MSH:4 | Y | HD | 227 | Convert facility from hospital/ region format to 3 character format |
| Patient Identifier List | PID.3 | Y | CX | 250 | Extract the CPI, MRN and SSN from PID.3 and verify ID’s are not expired. Order the values back into PID.3 and identify each |
| Patient Account Number | PID.18.3 | Y | CX | 250 | Change the assigning authority from 504 to BCHS |
| Patient Type | PV1.18 | Y | CX | 250 | Determine patient class “E” for PV1.2. |
| Attending Physician  Admitting Physician | PV1.7  PV1.17 | Y  Y | XCN  XCN | 250  250 | Extract physician name, MS nbr, NPI nbr, PRDOC nbr and onecall indicator. Order these values back into PV1.7/PV1.17 and identify each |
| PCP | ROL.4 | Y | XCV | 250 | Extract physician name, MS nbr, NPI nbr and PRDOC nbr. Order these values back into ROL.4 and identify each |
| Patient location  Prior patient location | PV1.3  PV1.6 | Y | PL  PL | 80  80 | Modify the nurse station, room and bed from Soarian into a format similar to the Invision format.  \*\*\*Code below |
| Patient Type | PV1.18 | Y | IS | 10 | Use the encounter provider in PV2.23.2 to derive the patient type from a table (soarf\_ptnt\_type).  If the PV2.24 patient status code is “Scheduled” or msg type is A38, derive an IP or OP patient type.  Added a check for Behavioral Health OP facilities to not override the original BH patient type with patient type of “OP”. |
| Discharge Disposition | PV1.36 | Y | IS | 3 | Derive a discharge disposition for one-time outpatients and recurring patients for HIM. PV1.36 is set to AHR |
| Discharge Data/Time | PV1.45 |  | DTM 24 |  | On the end of treatment series in SOARF there is not a discharge time that will be sent. Since some of the downstream systems will require a time, default 23:59 in the discharge  time field if it is not valued on the outbound A03 from SOARF |

Nurse station, room and bed logic:

# SF3NP^SF301P^G301P02 - 3NP 301P 02

# SFPACH^SFPACHRM^GPACH02 - PACH PACH 02

# JHSRR^JHSRRRM^NSRR11 - SRR SRR 11

set nstn [lindex $xlateInVals 0]

set room [lindex $xlateInVals 1]

set bed [lindex $xlateInVals 2]

echo "nstn $nstn"

echo "room $room"

echo "bed $bed"

# remove facility ID from nurse station

set nstn [string range $nstn 2 end]

echo "remove first 2 nstn $nstn"

# remove facility ID from room

set room [string range $room 2 end]

echo "remove first 2 room $room"

# remove RM from room if it exists

echo "remove RM from end if it exists"

set roomlen [string length $room]

echo "roomlen $roomlen"

set rmlast2loc [expr $roomlen -2]

echo "rmlast2loc $rmlast2loc"

set RMtest [string range $room $rmlast2loc end]

echo "RMtest $RMtest"

if {[string equal $RMtest "RM"]} {

set room [string range $room 0 [expr $rmlast2loc - 1]]

}

echo "room $room"

# remove the first character from the bed (N)

set bed [string range $bed 1 end]

echo "removed first char from bed $bed"

# get the room length

set roomlen [string length $room]

echo "get room length roomlen $roomlen"

# remove the room from the bed field leaving the bed

set bed [string range $bed $roomlen end]

echo "removed room leaving bed $bed"

set xlateOutVals [list $nstn $room $bed]

echo "final $nstn $room $bed"

## 4.3 Sample Messages

Inbound from Soarian:

MSH|^~\&|SOARF|G0A5|||201412151416||ADT^A01|96593bd7-4840-4639-af3b-6b03c22a10c6|P|2.7||1EVN|A01|201412151416||CI|vxw43156|201412151354|9071PID|1||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215||WORLDSTEST^CBO^N^^^^L^^^20141210||19561118|F||White|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M^^^^^20141210||^PRN^PH^^1^813^8523416~^NET^^NONE||EN|S|Christian|1100092361^^^504^VCD^^20141215||||Non HIS or LAT||N|0||NEVER|||N|NPD1||Others||||||NNK1|1|KEN^TEST^^^^^L|R|~^^^""^^^N|455-667-8654^PRN^PH^^^455^6678654||Emergency Contact 1|||||||||||||ENNK1|2||EMP|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M||^WPN^PH^^0^813^7640121|EMP||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|||||||||||||||||||||""PV1|1|I|JNA3NA^JN3265^H3265A^9071|Elective|||063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|||MED|||N|RP|||063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|IP|5100106906^^^504^VN^^20141215|BS|||||||||||||||||||9071|||||201412151354|||||||VPV2|||^TEST||||~~~~false||||||0||N||||||N||JN Inpatient^L^2158^^^900000^XX~^^1881632818^^^900004^NPI~^^590774199^^^900001^TX|Checked in|||||||N|||||N||||AcuteROL||AD|PP|004214^Dean^Robert^Mehran^^^MD^^183^L^^^PRN^^^^20140403~1085^^^^^^^^900000^^^^DN~ME72618^^^^^^^^195^^^^LN~1619053766^^^^^^^^900004^^^^NPI~01330^^^^^^^^769^^^^PRN~02846^^^^^^^^777^^^^PRN~R5703^^^^^^^^745^^^^PRN~02846^^^^^^^^779^^^^PRN~02846^^^^^^^^2127^^^^PRN~02846^^^^^^^^781^^^^PRN~R5703^^^^^^^^748^^^^PRN~01330^^^^^^^^771^^^^PRN~02846^^^^^^^^783^^^^PRN~01330^^^^^^^^772^^^^PRN~01330^^^^^^^^737^^^^PRN~01330^^^^^^^^684^^^^PRN~01330^^^^^^^^1316^^^^PRN~01330^^^^^^^^775^^^^PRN~77828^^^^^^^^2077^^^^PRN~01330^^^^^^^^581^^^^PRN~05703^^^^^^^^1505^^^^PRN~R5703^^^^^^^^757^^^^PRN~77828^^^^^^^^2078^^^^PRN|201412151358||||Phys|||^WPN^PH^^0^727^2390887~^WPN^PH^^0^727^2390887~^ORN^FX^^0^727^2390686ROL||AD|AT|063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|201412151354||||NP|||^WPN^PH^^0^813^6854617~^ORN^FX^^0^813^6857105ROL||AD|AD|063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|201412151354||||NP|||^WPN^PH^^0^813^6854617~^ORN^FX^^0^813^6857105OBX|1|CE|AdditionalData1^^LSFUSERDATAE||N||||||ROBX|2|NM|9272-6^Apgar 1^LN||0OBX|3|NM|9274-2^Apgar 5^LN||0GT1|1|102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215|WORLDSTEST^CBO^N^^^^L^^^20141210||3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M^^^^^20141210|^PRN^PH^^1^813^8523416~^NET^^NONE||19561118|F|P|6|215854874|||||221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|^WPN^PH^^0^813^7640121||""|||||N|||||S||||||EN|||||Christian|||Non HIS or LAT||||||0^0|A PLUS LEARNING CENTER^L^2900^^^900000^XX||""||WhiteIN1|1|238^BC Federal|413^^^900000^XX^^20120228~592015694^^^900001^TX^^20140328~FLC00000^^^184^CRI^^20140328|Blue Cross^L^413^^^900000^XX|PO BOX 1798^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 1798^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^3332227^^POLCS-M||BC Federal|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX|||54654654|Health|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||1|||||||20141215|||||||R25477845|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|true||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||||||||||||NEVER|||||||||99999|0002||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^BC Federal||||||238^^^900000^HPI^20130610~PPO^^^183^NHPI^20140313ZAR|Authz|Approved||||MED|54654654|""|1^Days|0^Days||IP||||""||^WPN^^^^^^""|""PRT||AD||APO||||St. Joseph's Hospital, Inc.^L^1134^^^900000^XX^^^1134~^^590774199^^^900001^TX^^^590774199~^^1881632818^^^900004^NPI^^^1881632818~^^5100^^^121^HPOGLMK^^^5100IN1|2|53^Medicare A|430^^^900000^XX^^20120228~593514335^^^900001^TX^^20140328|Medicare^L^430^^^900000^XX|PO BOX 2711^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 2711^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^7721213^^POLCS-M||Medicare A|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX||||Mcare A|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||2||||||||||||||2254114874A|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|false||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||2254114874A||||||||||NEVER|||||||||99999|0001||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^Medicare A||||||53^^^900000^HPI^20000101~Mcare^^^183^NHPI^20140314~FLA00000^^^184^CRI^20140407IN1|3|52^Medicare B|430^^^900000^XX^^20120228~593514335^^^900001^TX^^20140328|Medicare^L^430^^^900000^XX|PO BOX 2711^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 2711^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^7721213^^POLCS-M||Medicare B|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX||||Mcare B|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||3|||||||20141215|||||||2254114874A|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|true||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||2254114874A||||||||||NEVER|||||||||99999|0114||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^Medicare B||||||52^^^900000^HPI^20000101~Mcare^^^183^NHPI^20140314~FLB00000^^^184^CRI^20140407PDA||||||N|||NZPV||||||||||||||||||||||||||||||||||||||||||||||||AttributeDirty|""||||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^IP||||||||5100106906^^No SCD^504^ZAVN^^20141215||201412151354||||||false|""|""ZPT|HIE|Consent Obtained|20141215|20141215ZPT|Consent|Y|20141210|20141210

Post ADT Normalize:

MSH|^~\&|SOARF|SJN|||201412151416||ADT^A01|96593bd7-4840-4639-af3b-6b03c22a10c6|P|2.7||1EVN|A01|201412151416||CI|vxw43156|201412151354|9071PID|1|102331098^^^900000^PN|2104704721^^^BCHS^MR||WORLDSTEST^CBO^N^^^^L^^^20141210||19561118|F||White|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M^^^^^20141210||^PRN^PH^^1^813^8523416~^NET^^NONE||EN|S|Christian|1100092361^^^BCHS^VCD^^20141215|215854874|||Non HIS or LAT||N|0||NEVER|||N|NPD1||Others||||||NNK1|1|KEN^TEST^^^^^L|R|~^^^""^^^N|455-667-8654^PRN^PH^^^455^6678654||Emergency Contact 1|||||||||||||ENNK1|2||EMP|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M||^WPN^PH^^0^813^7640121|EMP||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|||||||||||||||||||||""PV1|1|I|A3NA^3265^A^SJN|Elective|||063394^Harrell^Cori^Folkes^^PRN^1245578954^NPI^17708^PRDOC^SJN|||MED|||N|RP|||063394^Harrell^Cori^Folkes^^PRN^1245578954^NPI^17708^PRDOC^SJN|I|5100106906^^^504^VN^^20141215|BS|||||||||||||||||||9071|||||201412151354|||||||VPV2|||^TEST||||~~~~false||||||0||N||||||N||JN Inpatient^L^2158^^^900000^XX~^^1881632818^^^900004^NPI~^^590774199^^^900001^TX|Checked in|||||||N|||||N||||AcuteROL||AD|PP|004214^Dean^Robert^Mehran^^PRN^1619053766^NPI^77828^PRDOC^SJN|201412151358||||Phys|||^WPN^PH^^0^727^2390887~^WPN^PH^^0^727^2390887~^ORN^FX^^0^727^2390686ROL||AD|AT|063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|201412151354||||NP|||^WPN^PH^^0^813^6854617~^ORN^FX^^0^813^6857105ROL||AD|AD|063394^Harrell^Cori^Folkes^^^ARNP^^183^L^^^PRN^^^^20140821~8674^^^^^^^^900000^^^^DN~ARNP9280481^^^^^^^^195^^^^LN~1245578954^^^^^^^^900004^^^^NPI~17708^^^^^^^^769^^^^PRN~17708^^^^^^^^777^^^^PRN~17708^^^^^^^^745^^^^PRN~17708^^^^^^^^779^^^^PRN~17708^^^^^^^^2127^^^^PRN~17708^^^^^^^^781^^^^PRN~17708^^^^^^^^748^^^^PRN~17708^^^^^^^^771^^^^PRN~17708^^^^^^^^783^^^^PRN~17708^^^^^^^^772^^^^PRN~17708^^^^^^^^737^^^^PRN~17708^^^^^^^^684^^^^PRN~17708^^^^^^^^1316^^^^PRN~17708^^^^^^^^775^^^^PRN~17708^^^^^^^^2077^^^^PRN~17708^^^^^^^^581^^^^PRN~17708^^^^^^^^1505^^^^PRN~17708^^^^^^^^757^^^^PRN~17708^^^^^^^^2078^^^^PRN|201412151354||||NP|||^WPN^PH^^0^813^6854617~^ORN^FX^^0^813^6857105OBX|1|CE|AdditionalData1^^LSFUSERDATAE||N||||||ROBX|2|NM|9272-6^Apgar 1^LN||0OBX|3|NM|9274-2^Apgar 5^LN||0GT1|1|102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215|WORLDSTEST^CBO^N^^^^L^^^20141210||3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M^^^^^20141210|^PRN^PH^^1^813^8523416~^NET^^NONE||19561118|F|P|6|215854874|||||221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|^WPN^PH^^0^813^7640121||""|||||N|||||S||||||EN|||||Christian|||Non HIS or LAT||||||0^0|A PLUS LEARNING CENTER^L^2900^^^900000^XX||""||WhiteIN1|1|238^BC Federal|413^^^900000^XX^^20120228~592015694^^^900001^TX^^20140328~FLC00000^^^184^CRI^^20140328|Blue Cross^L^413^^^900000^XX|PO BOX 1798^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 1798^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^3332227^^POLCS-M||BC Federal|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX|||54654654|Health|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||1|||||||20141215|||||||R25477845|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|true||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||||||||||||NEV|||||||||99999|0002||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^BC Federal||||||238^^^900000^HPI^20130610~PPO^^^183^NHPI^20140313ZAR|Authz|Approved||||MED|54654654|""|1^Days|0^Days||IP||||""||^WPN^^^^^^""|""PRT||A||A||||St. Joseph's Hospital, Inc.^L^1134^^^900000^XX^^^1134~^^590774199^^^900001^TX^^^590774199~^^1881632818^^^900004^NPI^^^1881632818~^^5100^^^121^HPOGLMK^^^5100IN1|2|53^Medicare A|430^^^900000^XX^^20120228~593514335^^^900001^TX^^20140328|Medicare^L^430^^^900000^XX|PO BOX 2711^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 2711^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^7721213^^POLCS-M||Medicare A|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX||||Mcare A|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||2||||||||||||||2254114874A|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|false||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||2254114874A||||||||||NEV|||||||||99999|0001||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^Medicare A||||||53^^^900000^HPI^20000101~Mcare^^^183^NHPI^20140314~FLA00000^^^184^CRI^20140407IN1|3|52^Medicare B|430^^^900000^XX^^20120228~593514335^^^900001^TX^^20140328|Medicare^L^430^^^900000^XX|PO BOX 2711^^JACKSONVILLE^FL^32231^USA^M^^^^POLCS-M~PO Box 2711^^Jacksonville^FL^32231^USA^M^^^^HRefund|^^^^^^^POLCS-M|^WPN^PH^^0^800^7721213^^POLCS-M||Medicare B|2900^^^900000^XX^^20140729|A PLUS LEARNING CENTER^L^2900^^^900000^XX||||Mcare B|WORLDSTEST^CBO^N^^^^L^^^20141210|6|19561118|3986 TAMPA RD^^CLEARWATER^FL^33756^USA^M|||3|||||||20141215|||||||2254114874A|||||||F|221 W ALEXANDER ST^^PLANT CITY^FL^33563^USA^M|true||||102331098^^^900000^PN^^20141210~1001048^^^2076^PN^^20141210~215854874^^^900001^SS^^20141215~2104704721^^^504^MR^^20141215IN2||215854874||||2254114874A||||||||||NEV|||||||||99999|0114||||||||EN|||||Christian|||Non HIS or LAT|S|||||""|||||||||||||||^PRN^PH^^1^813^8523416~^NET^^NONE|^WPN^PH^^0^813^7640121||||||A PLUS LEARNING CENTER^L^2900^^^900000^XX|White|6ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^Medicare B||||||52^^^900000^HPI^20000101~Mcare^^^183^NHPI^20140314~FLB00000^^^184^CRI^20140407PDA||||||N|||NZPV||||||||||||||||||||||||||||||||||||||||||||||||AttributeDirty|""||||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^IP||||||||5100106906^^No SCD^504^ZAVN^^20141215||201412151354ZPT|HIE|Consent Obtained|20141215|20141215ZPT|Consent|Y|20141210|20141210

# **5. Testing**

## 5.1. Unit Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| Unit test specific additions or changes |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.2 Integrated Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| Be aware of the data manipulation and changes created by this interface when testing ADT interfaces that receive a normalized ADT message from this interface. | The data format and content for all fields manipulated by this interface should be consistent for all message types and downstream application ADT interfaces. |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.3 Testing Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
|  |  |  |  |
|  |  |  |  |

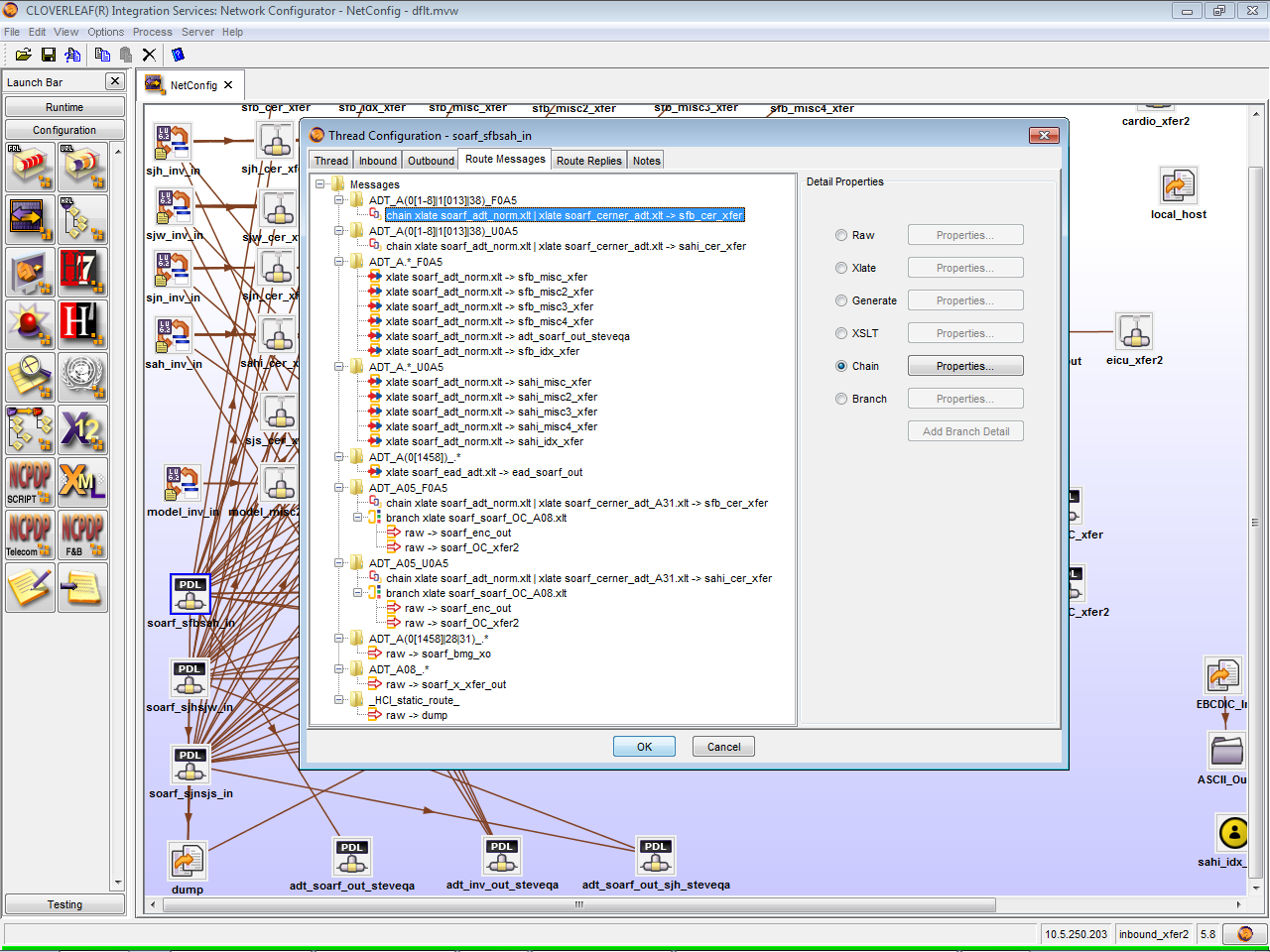
### 

## 5.4 Piloting

## 5.5 Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
|  |  |  |  |
|  |  |  |  |

# 6. Deployment / Implementation Model



# Appendix A: Risks and Concerns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | |  |  |  |  |
| **Number** | **Risk / Concern** | **Comment** | **Mitigation** | | |  |  |  |
| RC.2015.1.0 |  |  | |  | |  |  |  |
| RC.2015.2.0 |  |  | |  | |  |  |  |

# Appendix B: Issues List

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **<Project Name>** |  |  | | |  |  |  |  |
| **Number** | **Issue** | **Comment** | **Fix** | | |  |  |  |
| I.2015.1.0 |  |  | |  | |  |  |  |

* End of document