**SSI to Soarian Claim Tracking**

**Version 1.0**

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**Date: 2/3/2016**

[Document Control 3](#_Toc500147944)

[Resources 3](#_Toc500147945)

[Project Distribution List 3](#_Toc500147946)

[Document Version Control 3](#_Toc500147947)

[1. Introduction 4](#_Toc500147948)

[1.1 Purpose 4](#_Toc500147949)

[1.2 Project Scope 4](#_Toc500147950)

[1.3 Terminology Standards 4](#_Toc500147951)

[1.3.1 Acronyms 4](#_Toc500147952)

[1.3.2 Glossary 4](#_Toc500147953)

[1.4 Document References 4](#_Toc500147954)

[*2.* Diagram 5](#_Toc500147955)

[3. Requirements 5](#_Toc500147956)

[3.1 Functional Requirements 5](#_Toc500147957)

[3.2 Non-Functional Requirements 5](#_Toc500147958)

[3.3 Messaging Protocols 6](#_Toc500147959)

[3.3.1 Inbound to the BayCare Cloverleaf from Vendor 6](#_Toc500147960)

[3.3.2 Outbound from the BayCare Cloverleaf to Vendor 6](#_Toc500147961)

[4. Message Formatting 6](#_Toc500147962)

[4.1 Messaging Format 6](#_Toc500147963)

[4.1.1 Inbound Fields in Order 6](#_Toc500147964)

[4.1.2 XML Schema 7](#_Toc500147965)

[4.1*.*3 Cloverleaf Configuration Files 8](#_Toc500147966)

[4.1.4 Cloverleaf Site Location 8](#_Toc500147967)

[4.2 Outbound XML Data Transformation Requirements 8](#_Toc500147968)

[4.3 Sample Messages 9](#_Toc500147969)

[4.3.1 Inbound Flat File 9](#_Toc500147970)

[4.3.2 Outbound XML File 9](#_Toc500147971)

[5. Testing 10](#_Toc500147972)

[5.1. Unit Testing Scenarios 10](#_Toc500147973)

[5.2 Integrated Testing Scenarios 10](#_Toc500147974)

[5.3 Testing Approvals 10](#_Toc500147975)

[5.4 Piloting 10](#_Toc500147976)

# **Document Control**

## Resources

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 2/3/2016 | Stephen Mattei | Originally Created |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

This document will define the relationship between SSI and Soarian regards to: means of transmission, inbound data format, outbound data format, data transformation and business logic.

## 1.2 Project Scope

We are integrating SSI and Soarian in respect to Claims Tracking records originating in SSI and being sent to Soarian.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

Define the acronyms and their associated definitions used in this document. The acronyms should be listed in alphabetical order.

### 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

Click here to enter text.

# *2.* Diagram

N/A

# 3. Requirements

## 3.1 Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| FR.2016.2.0 | Inbound record | Parse new line terminated and pipe delimited text file |
| FR.2016.2.1 | Outbound record | Create customer XML output with record per file |
| FR.2016.2.2 | Process input on demand | Cloverleaf will sweep the inbound directory every 20 seconds to see if there is anything to process |
| FR.2016.2.3 |  |  |

## 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.2016.2.0 | 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 the BayCare Cloverleaf from Vendor

* New line delimited Batch file FTP to Cloverleaf by Midrange Team
* IB directory: /sites/ftp\_data\_in/ssi/clmTrckng

### 3.3.2 Outbound from the BayCare Cloverleaf to Vendor

* XML File FTP to Soarian by Midrange Team
* OB Directory: /sites/ftp\_data\_out/soarf/Claims\_Tracking
* OB File Name Args: {PREFIX CLMTRACK} {TIMEFORMAT CLOCKSECONDS}

{SUFIX .xml}

# 4. Message Formatting

## 4.1 Messaging Format

Each inbound record is terminated by a new line with a pipe “|” separating each field.

### 4.1.1 Inbound Fields in Order

*RecordCode As String \* 2*

*PatientNumber As String \* 12*

*Filler As String \* 2*

*Userdatatype As String \* 1*

*Filler2 As String \* 2*

*Userdate As String \* 6*

*Filler3 As String \* 4*

*FacilityCode As String \* 3*

*Filler4 As String \* 8*

*UsercompoundID As String \* 8*

*Usertext As String \* 20*

*Filler5 As String \* 13*

*CrLf As String \* 2*

### 4.1.2 XML Schema

<?xml version="1.0" encoding="UTF-8"?>

<!-- W3C Schema generated by XMLSpy v2014 rel. 2 sp1 (http://www.altova.com) -->

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="claimTrackingRequest">

<xs:complexType>

<xs:sequence>

<xs:element name="source" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="referenceName" type="xs:string" minOccurs="0"/>

<xs:element name="sourceSystemName" type="xs:string" minOccurs="0"/>

<xs:element name="referenceIdentifier" type="xs:string" minOccurs="0"/>

<xs:element name="referenceDate" type="xs:string" minOccurs="0"/>

<xs:element name="referenceTime" type="xs:string" minOccurs="0"/>

<xs:element name="referenceUserIdentifier" type="xs:string" minOccurs="0"/>

<xs:element name="target" minOccurs="0">

<xs:complexType>

<xs:sequence minOccurs="0">

<xs:element name="identifier" type="xs:string" minOccurs="0"/>

<xs:element name="type" type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="action" type="xs:string" minOccurs="0"/>

<xs:element name="claimSubmitDate" minOccurs="0">

<xs:complexType>

<xs:sequence minOccurs="0">

<xs:element name="date" type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="claimAckDate" minOccurs="0">

<xs:complexType>

<xs:sequence minOccurs="0">

<xs:element name="date" type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### 4.1*.*3 Cloverleaf Configuration Files

* VRL – 28\_ssi\_claimTrack.vrl
* Translate – ssi\_to\_soarf\_clmtrckng\_28.xlt
* XML Schema – soarf\_claimtracking.xsd

### 4.1.4 Cloverleaf Site Location

Soarf\_finance

## 4.2 Outbound XML Data Transformation Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Description** | **Required Y/N** | **Data Type** | **Notes** |
| referenceName | Y | String | Hard coded to: claimTrackingInboundRequest |
| sourceSystemName | Y | String | Hard coded to: SSI |
| referenceIdentifier | Y | String | Hard coded to: SSI CLAIM |
| referenceDate | Y | String | Defaulted to today’s date |
| referenceTime | Y | String | Defaulted to current time |
| referenceUserIdentifier | Y | String | Hard coded to: SSI |
| identifier | Y | String | Patient Number Pulled from IB SSI file |
| type | Y | String | Hard coded to: Claim |
| action | Y | String | Hard coded to: add |
| claimSubmitDate - date | Y | String | User Date pulled from IB file |

## 4.3 Sample Messages

### 4.3.1 Inbound Flat File

28|S151359900101|A|020216||2CONFIRM|2104875434|

28|S151397700101|A|020216||2CONFIRM|2104687466|

### 4.3.2 Outbound XML File

<claimTrackingRequest>

<source>

<referenceName>claimTrackingInboundRequest</referenceName>

<sourceSystemName>SSI</sourceSystemName>

<referenceIdentifier>SSI CLAIM</referenceIdentifier>

<referenceDate>2016/02/02</referenceDate>

<referenceTime>20:00:00.000000</referenceTime>

<referenceUserIdentifier>SSI</referenceUserIdentifier>

<target>

<identifier>S151359900101</identifier>

<type>Claim</type>

</target>

<action>add</action>

<claimSubmitDate>

<date>2016/02/02</date>

</claimSubmitDate>

</source>

</claimTrackingRequest>

# **5. Testing**

## 5.1. Unit Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| Parse Inbound File | Each field should be parsed correctly without error |
| Xlate | Xlate should transform the IB record into XML without error |
|  |  |

## 5.2 Integrated Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
| Validate Output in Soarian | Should post without error is Soarian and be visible to the end user |
|  |  |

## 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.

* End of document