**Soarian to Bridge ADT Requirements**

**Version 1.0**

**Prepared By: Levy Lazarre**

**Date: 12/11/2017**

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# **Document Control**

## Resources

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## Project Distribution List

## Document Version Control

|  |  |  |  |
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| V1.0 | 12/11/17 | Levy Lazarre | Original document |
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|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to describe the ADT Interface going from Soarian HIS to Cerner Bridge Solutions.

Bridge is a Cerner application used by nurses for the management and documentation of breast milk administration to newborns and blood transfusions to hospital patients.

## 1.2 Project Scope

The scope of this project is to automate the integration of the Cerner Bridge Solutions application with the Soarian HIS via HL7 ADT interface and the Cerner EMR via HL7 Orders and Results interfaces. The current document describes the ADT interface.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

**ADT** – Admission, Discharge, Transfer: mainly demographic and patient location data

**HIS** – Health Information System, the source and keeper of patient demographic data

### 1.3.2 Glossary

**ADT Event** – Trigger event associated with a patient event: registration, admission, discharge, transfer, update…

## 1.4 Document References

1. Cerner Bridge Solutions Interface Specifications.doc

2. BM AND BMM TESTING PATIENTS.xlsx

# 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.2017.1.0 | Prevent unneeded patients from going to Bridge | The users have determined that the following groups of patients must be sent to Bridge: hospital inpatients, outpatients, and ED.  BayCare Outpatient Imaging (BOI) outpatients are not included.  An advanced TCL filter is used to suppress Outreach Lab patients, Behavioral Health patients, and pre-admit patients. |
| FR.2017.2.0 | Suppress updates (A08) after discharge | Only active patients are needed, so updates after discharge are excluded from the output by the same filter used above. |
| FR.2017.3.0 | Send the BayCare CPI in PID.2 | The BayCare CPI will be sent in PID.2, with an identifier type hardcoded to “BCCPI”. |
| FR.2017.4.0 | Send the BayCare MRN in PID.3 | Only one identifier (MRN) may be sent in PID.3; the identifier type will be hardcoded as “BCMRN” |
| FR2017.5.0  FR2017.6.0 | Hard code the HL7 version to 2.6  Patient Location is required in PV1.3. | In MSH.12, hard code “2.6” as the value for HL7 version.  If the patient location is empty in PV1.3 (outpatient for example), use a custom algorithm to create a dummy nursing station (point of care). |

## 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.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. Please see the reference document located on the Integration SharePoint server: <insert link to document here>

### 3.3.1 Inbound to the BayCare Cloverleaf From SOARIAN

* TCP MLLP Server Connection

### 3.3.2 Outbound to Bridge

* TCP MLLP Client Connection

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

{NK1}

PV1

{GT1}

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header*

*EVN – Event segment*

*PID – Patient ID segment*

*NK1 – Next of Kin segment*

*PV1 – Patient Visit segment*

*GT1 – Guarantor segment*

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration

Supported ADT Events

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A01 | Admit a patient |
| A02 | Transfer a patient |
| A03 | Discharge a patient |
| A04 | Register a patient |
| A06 | Change outpatient to inpatient |
| A07 | Change inpatient to outpatient |
| A08 | Update patient information |
| A09 | Patient Departing - Tracking |
| A10 | Patient Arriving - Tracking |
| A11 | Cancel patient admission |
| A12 | Cancel patient transfer |
| A13 | Cancel patient discharge |
| A31 | Update Person Information |

**Due to workflow considerations, it was decided during the implementation not to send merge messages to Bridge. Furthermore, Soarian does not send the message types expected by Bridge (A34, A35, A44).**

### 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, etc.

HL7 Variants: 2.6 Soarian and 2.6 Cerner

Xlate: soarf\_bridge\_adt.xlt

TCL Script: tpsAdvHL7Filter.tcl

### 4.1.4 Cloverleaf Site Location

Production = soarf\_adt\_ent\_18\_p

Test = soarf\_adt\_ent\_18

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required R/O/C** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| **Message Header Segment** | MSH | R |  |  | PathCopy |
| Sending Application | MSH.3 | C |  |  | Hardcode “SOARIAN” |
| Receiving Application | MSH.5 | O |  |  | Hardcode “BRIDGE” |
| Receiving Facility | MSH.6 | O |  |  | Copy inbound MSH.4 |
| HL7 Version | MSH.12 | Y |  |  | Hardcode “2.6” |
| Continuation Pointer | MSH.14 | N |  |  | Null out this field |
| **Event Segment** | EVN | R |  |  |  |
| Event Type Code | EVN.1 | Y |  |  | Copy |
| Recorded Date/Time | EVN.2 | O |  |  | Copy |
| **Patient Identifier Segment** | PID | R |  |  |  |
| Set ID - PID | PID.1 | O |  |  | Copy |
| Patient ID (External) | PID.2 | R |  |  | Copy the CPI from PID.2 with the Identifier Type of “BCCPI” |
| Patient ID (Internal) | PID.3 | R |  |  | Copy the MRN from PID.3 to the first repetition of PID.3 with the Identifier Type Code of “BCMRN” |
| Patient Name | PID.5 | R |  |  | Copy Patient’s Last Name, First Name, Middle Name, Suffix, Prefix |
| Date of Birth | PID.7 | R |  |  | Copy |
| Gender | PID.8 | R |  |  | Copy |
| Race | PID.10 | O |  |  | Copy |
| Address | PID.11 | O |  |  | Copy |
| Marital Status | PID.16 | O |  |  | Copy |
| Patient Account Number | PID.18 | R |  |  | Copy (first component of PID.18) with Identifier Type Code of “BCFN” |
| SSN | PID.19 | O |  |  | Copy. Suppress dummy SSNs like 111-11-1111, 222-22-2222, etc. |
| Mother’s Identifier | PID.21 | O |  |  | Copy if present  For linking with newborns |
| Patient Death Date and Time | PID.29 | O |  |  | Copy if present |
| Patient Death Indicator | PID.30 | O |  |  | Copy if present |
| **Next of Kin Segments** | NK1 | RO |  |  | Iterate thorugh the group |
| Set ID – NK1 | NK1.1 | O |  |  | Copy |
| Name | NK1.2 | RO |  |  | Copy |
| Relationship | NK1.3 | RO |  |  | Copy |
| **Patient Visit Segment** | PV1 | R |  |  |  |
| Patient Class | PV1.2 | O |  |  | Copy |
| Assigned Patient Location | PV1.3 | **R** |  |  | Copy Point of Care (Nursing Station), Room, Bed, Facility to PV1.3**. If the incoming PV1.3 is empty, compute the nursing station value using the same algorithm found in the Soarian to Cerner ADT interface.** |
| Admission Type | PV1.4 | O |  |  | Copy |
| Prior Patient Location | PV1.6 | O |  |  | Copy |
| Hospital Service | PV1.10 | O |  |  | Copy |
| Admit Source | PV1.14 | O |  |  | Copy |
| VIP Indicator | PV1.16 | O |  |  | Iterate through the patient alert segments (ZPT) to determine VIP status |
| Admitting Physician | PV1.17 | O |  |  | Copy ID Number, Family Name, Given Name, Second Names or Initials |
| Patient Type | PV1.18 | O |  |  | Copy |
| Visit Number | PV1.19 | O |  |  | Copy |
| Admit Date/Time | PV1.44 | R |  |  | Copy |
| Discharge Date/Time | PV1.45 | O |  |  | Copy |
| **Guarantor Segments** | GT1 | RO |  |  | Iterate thorugh the group |
| Set ID – GT1 | GT1.1 | O |  |  | Copy |
| Guarantor Number | GT1.2 | RO |  |  | Copy |
| Guarantor Name | GT1.3 | RO |  |  | Copy |

## 4.3 Sample Message

Inbound to Cloverleaf from Soarian: (Inpatient)

MSH|^~\&|SOARF|WHH|||201712110824||ADT^A08|68dcfd90-4798-4820-a45d-b9c9259031a7|P|2.7||1

EVN|A08|201712110824||RVE|pdc50934|201712110822|16995

PID|1|810016108^^^900000^PN|7000016788^^^BCHS^MR||CONETEST^baby^^^^^L^^^20171208||201712081515|F||White|3986 TAMPA ROAD^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20171208||^PRN^PH^^1^727^2819101|||S|Christian|6000036138^^^BCHS^VCD^^20171208|||6000036137^^^504^VCD^^20171208~5103806364^^^504^VN^^20171208~7000016787^^^504^MR^^20171208~810016107^^^900000^PN^^20171208|Non HIS or LAT||N|1|||||N|N

PD1||||||||N

NK1|1|CONETEST^MOMMYTRANSFER^^^^^L^^^20171208|F|3986 TAMPA ROAD^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20171208~^^^""^^^N|727-281-9101^PRN^PH^^^727^2819101||Emergency Contact 1|||||||S|F|19901208|||||||||Christian|||Non HIS or LAT|||||7000016787^^^504^MR^^20171208~810016107^^^900000^PN^^20171208||White

PV1|1|I|ACU^T419^01^WHH|Newborn|||066056^Callahan^Richard^Allan^II^PRN^1215378336^NPI^066056^PRDOC^WHH|||NSY|||N|NE|||066056^Callahan^Richard^Allan^II^PRN^1215378336^NPI^066056^PRDOC^WHH|I|5103806365^^^504^VN^^20171208||||||||||||||||||||16995|||||201712081515|||||||V

PV2|||^tswt||||~~~~false||||||HOSP 100052||N||||||N||WH Inpatient^L^13340^^^900000^XX~^^WINTER HAVEN HOSPITAL^^^439^NOAName~^^1477599975^^^900004^NPI|Checked in|||||||N|||||Y||||Nursy L1

ROL||UC|PP|555555^No^PCP per pt^^^PRN|201712081527||||Phys

ROL||UC|AT|ME119927^Callahan^Richard^Allan^II^^MD^^195^L^^^LN^^^^20171011~25MA09384200^^^^^^^^139^^^^LN~1215378336^^^^^^^^900004^^^^NPI~066056^^^^^^^^183^^^^PRN~18706^^^^^^^^900000^^^^DN~066056^^^^^^^^769^^^^PRN~066056^^^^^^^^777^^^^PRN~066056^^^^^^^^745^^^^PRN~066056^^^^^^^^779^^^^PRN~066056^^^^^^^^2127^^^^PRN~066056^^^^^^^^781^^^^PRN~066056^^^^^^^^748^^^^PRN~066056^^^^^^^^771^^^^PRN~066056^^^^^^^^783^^^^PRN~066056^^^^^^^^772^^^^PRN~66056^^^^^^^^737^^^^PRN~66056^^^^^^^^684^^^^PRN~66056^^^^^^^^1316^^^^PRN~66056^^^^^^^^1325^^^^PRN~066056^^^^^^^^775^^^^PRN~066056^^^^^^^^2077^^^^PRN~066056^^^^^^^^2075^^^^PRN~066056^^^^^^^^2076^^^^PRN~066056^^^^^^^^581^^^^PRN~66056^^^^^^^^1505^^^^PRN~066056^^^^^^^^757^^^^PRN~066056^^^^^^^^2078^^^^PRN~066056^^^^^^^^13280^^^^PRN~066056^^^^^^^^13281^^^^PRN|201712081515||||Phys|||^WPN^PH^^0^856^7974721~^ORN^FX^^0^856^7974785

ROL||UC|AD|ME119927^Callahan^Richard^Allan^II^^MD^^195^L^^^LN^^^^20171011~25MA09384200^^^^^^^^139^^^^LN~1215378336^^^^^^^^900004^^^^NPI~066056^^^^^^^^183^^^^PRN~18706^^^^^^^^900000^^^^DN~066056^^^^^^^^769^^^^PRN~066056^^^^^^^^777^^^^PRN~066056^^^^^^^^745^^^^PRN~066056^^^^^^^^779^^^^PRN~066056^^^^^^^^2127^^^^PRN~066056^^^^^^^^781^^^^PRN~066056^^^^^^^^748^^^^PRN~066056^^^^^^^^771^^^^PRN~066056^^^^^^^^783^^^^PRN~066056^^^^^^^^772^^^^PRN~66056^^^^^^^^737^^^^PRN~66056^^^^^^^^684^^^^PRN~66056^^^^^^^^1316^^^^PRN~66056^^^^^^^^1325^^^^PRN~066056^^^^^^^^775^^^^PRN~066056^^^^^^^^2077^^^^PRN~066056^^^^^^^^2075^^^^PRN~066056^^^^^^^^2076^^^^PRN~066056^^^^^^^^581^^^^PRN~66056^^^^^^^^1505^^^^PRN~066056^^^^^^^^757^^^^PRN~066056^^^^^^^^2078^^^^PRN~066056^^^^^^^^13280^^^^PRN~066056^^^^^^^^13281^^^^PRN|201712081515||||Phys|||^WPN^PH^^0^856^7974721~^ORN^FX^^0^856^7974785

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

OBX|4|NM|8339-4^Birth Weight^LN||15.00|g^gram

GT1|1|7000016787^^^504^MR^^20171208~810016107^^^900000^PN^^20171208|CONETEST^MOMMYTRANSFER^^^^^L^^^20171208||3986 TAMPA ROAD^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20171208|^PRN^PH^^1^727^2819101||19901208|F|P|3||||||||||||||N|||||S||||||EN|||||Christian|||Non HIS or LAT|||||||||||White

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

ZPV|||||||||||||||||||||||||||||||||||||||||||||||||""|BCBCE2MMS1024LK|||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^IP||||||||5103806365^^No SCD^504^ZAVN^^20171208||201712081515

ZID|7000016788^^^504^MR^^20171208~810016108^^^900000^PN^^20171208

Outbound from Cloverleaf to Bridge: (Inpatient)

MSH|^~\&|SOARIAN|WHH|BRIDGE|WHH|201712110824||ADT^A08|68dcfd90-4798-4820-a45d-b9c9259031a7|P|2.6

EVN|A08|201712110824

PID|1|810016108^^^^BCCPI|7000016788^^^^BCMRN||CONETEST^baby||201712081515|F||White|3986 TAMPA ROAD^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20171208|||||S||6000036138^^^^BCFN|||6000036137|||||||||N

NK1|1|CONETEST^MOMMYTRANSFER^^^^^L^^^20171208|F

PV1|1|I|ACU^T419^01^WHH^^^WHH|Newborn|||066056^Callahan^Richard^Allan|||NSY||||NE||N|066056^Callahan^Richard^Allan|I|5103806365|||||||||||||||||||||||||201712081515

GT1|1|7000016787^^^504^MR^^20171208|CONETEST^MOMMYTRANSFER^^^^^L^^^20171208

Inbound to Cloverleaf from Soarian: (Outpatient)

MSH|^~\&|SOARF|SJH|||201801310952||ADT^A04|273ec253-9933-4083-bd87-b52c2effdaaf|P|2.7||1

EVN|A04|201801310952||CI|pdc50934|201801310949|9050

PID|1|810016744^^^900000^PN|7000017049^^^BCHS^MR||CONETEST^NEWPACKAGE^^^^^L^^^20180131||19810131|F||White|9876 PEPPERONI HWY^""^Oldsmar^FL^34677^USA^M^^Pinellas^^^20180131||^PRN^PH^^1^727^2819101^""^""||EN|S|Christian|6000036658^^^BCHS^VCD^^20180131||||Non HIS or LAT||N|0|||||N|N

PD1||||||||N

PV1|1|O**||**Elective|||000752^Chandler^Keith^Wayne^^PRN^1407860588^NPI^01719^PRDOC^SJH^^^^onecall^Z0A5|||ASC|||N|RP|||000752^Chandler^Keith^Wayne^^PRN^1407860588^NPI^01719^PRDOC^SJH|AH|5103806920^^^504^VN^^20180131||||||||||||||||||||9050|||||201801310949|||||||V

PV2|||^TEST||||~~~~false||||||0||N||||||N||JH SDS^L^962^^^900000^XX~^^21200^^^179^HPOGLMK~^^1881632818^^^900004^NPI|Checked in|||||||N|||||N||||OPT NC

ROL||AD|PP|555555^No^PCP per pt^^^PRN^^^55555^PRDOC^SJH|201801310950||||Phys

ROL||AD|AT|000752^Chandler^Keith^Wayne^^^MD^^183^L^^^PRN^^^^20141220~582^^^^^^^^900000^^^^DN~ME38341^^^^^^^^195^^^^LN~1407860588^^^^^^^^900004^^^^NPI~02086^^^^^^^^769^^^^PRN~01719^^^^^^^^777^^^^PRN~R9510^^^^^^^^745^^^^PRN~01719^^^^^^^^779^^^^PRN~01719^^^^^^^^2127^^^^PRN~01719^^^^^^^^781^^^^PRN~R9510^^^^^^^^748^^^^PRN~02086^^^^^^^^771^^^^PRN~01719^^^^^^^^783^^^^PRN~02086^^^^^^^^772^^^^PRN~02086^^^^^^^^737^^^^PRN~02086^^^^^^^^684^^^^PRN~02086^^^^^^^^1316^^^^PRN~1^^^^^^^^2134^^^^PRN~02086^^^^^^^^775^^^^PRN~01719^^^^^^^^2077^^^^PRN~38341^^^^^^^^581^^^^PRN~09510^^^^^^^^1505^^^^PRN~R9510^^^^^^^^757^^^^PRN~01719^^^^^^^^2078^^^^PRN~02086^^^^^^^^1325^^^^PRN~01719^^^^^^^^2076^^^^PRN|201801310949||||Phys|||^WPN^PH^^0^813^8768401~^WPN^PH^^0^813^8759362~^ORN^FX^^0^813^8767055

ROL||AD|AD|000752^Chandler^Keith^Wayne^^^MD^^183^L^^^PRN^^^^20141220~582^^^^^^^^900000^^^^DN~ME38341^^^^^^^^195^^^^LN~1407860588^^^^^^^^900004^^^^NPI~02086^^^^^^^^769^^^^PRN~01719^^^^^^^^777^^^^PRN~R9510^^^^^^^^745^^^^PRN~01719^^^^^^^^779^^^^PRN~01719^^^^^^^^2127^^^^PRN~01719^^^^^^^^781^^^^PRN~R9510^^^^^^^^748^^^^PRN~02086^^^^^^^^771^^^^PRN~01719^^^^^^^^783^^^^PRN~02086^^^^^^^^772^^^^PRN~02086^^^^^^^^737^^^^PRN~02086^^^^^^^^684^^^^PRN~02086^^^^^^^^1316^^^^PRN~1^^^^^^^^2134^^^^PRN~02086^^^^^^^^775^^^^PRN~01719^^^^^^^^2077^^^^PRN~38341^^^^^^^^581^^^^PRN~09510^^^^^^^^1505^^^^PRN~R9510^^^^^^^^757^^^^PRN~01719^^^^^^^^2078^^^^PRN~02086^^^^^^^^1325^^^^PRN~01719^^^^^^^^2076^^^^PRN|201801310949||||Phys|||^WPN^PH^^0^813^8768401~^WPN^PH^^0^813^8759362~^ORN^FX^^0^813^8767055

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

OBX|4|CE|1ESTATE^^LSFUSERDATAP||N||||||R

OBX|5|DT|1FADATE^^LSFUSERDATAP||""||||||D

OBX|6|DT|1SUBDATE^^LSFUSERDATAP||""||||||D

OBX|7|DT|1AGENDAT^^LSFUSERDATAP||""||||||D

OBX|8|DT|1CODEDATE^^LSFUSERDATAP||""||||||D

GT1|1|7000017049^^^504^MR^^20180131~810016744^^^900000^PN^^20180131|CONETEST^NEWPACKAGE^^^^^L^^^20180131||9876 PEPPERONI HWY^""^Oldsmar^FL^34677^USA^M^^Pinellas^^^20180131|^PRN^PH^^1^727^2819101^""^""||19810131|F|P|6||||||||||||||N|||||S||||||EN|||||Christian|||Non HIS or LAT|||||||||||White

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

ZPV||||||||||||||||||||||||||||||||||||||||||||||||AttributeDirty|""|BCBCE2MMS1024LK|||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^OP||||||||5103806920^^No SCD^504^ZAVN^^20180131||201801310949

ZID|7000017049^^^504^MR^^20180131~810016744^^^900000^PN^^20180131

Outbound from Cloverleaf to Bridge: (Outpatient)

MSH|^~\&|SOARIAN|SJH|BRIDGE|SJH|201801310952||ADT^A04|273ec253-9933-4083-bd87-b52c2effdaaf|P|2.6

EVN|A04|201801310952

PID|1|810016744^^^^BCCPI|7000017049^^^^BCMRN||CONETEST^NEWPACKAGE||19810131|F||White|9876 PEPPERONI HWY^""^Oldsmar^FL^34677^USA^M^^Pinellas^^^20180131|||||S||6000036658^^^^BCFN||||||||||||N

PV1|1|O|**ASCJH^^^SJH^^^SJH**|Elective|||000752^Chandler^Keith^Wayne|||ASC||||RP||N|000752^Chandler^Keith^Wayne|AH|5103806920|||||||||||||||||||||||||201801310949

GT1|1|7000017049^^^504^MR^^20180131|CONETEST^NEWPACKAGE^^^^^L^^^20180131

**Go Live Date for Bridge ADT interface: December 12, 2017**

# Appendix A: Risks and Concerns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Risk / Concern** | **Comment** | **Mitigation** | | |  |  |  |
| RC.2018.1.0 | PV1.3 computation must be kept in sync with the code used in the Soarian to Cerner ADT interface. | Per vendor request, Bridge must receive the same PV1.3 location as Cerner Millennium. Therefore, the PV1.3 algorithm in the current interface is imported from the Soarian to Cerner ADT interface. Consequently, if a PV1.3 code change is made in the Soarian to Cerner interface, it must be replicated in the Bridge interface | | The Integration Team members will be made aware of this requirement. | |  |  |  |

# 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** | | |  |  |  |
|  |  |  | |  | |  |  |  |

* End of document