**eClinical Works ADT to Medicity**

**Version 1.0**

**Prepared By: Tiffany Bohall**

**Date: 2/23/2018**

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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

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 2/23/2018 | Tiffany Bohall | Originally Created |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to define the interface requirements between eClinical Works and Medicity HIE specifically for ADT transactions. The intended audience includes anyone wishing to know more about this communication.

## 1.2 Project Scope

The scope of the integration that is defined in this Integration Development Build Book (IDBB), includes only the transcribed results from Cerner to Medicity HIE. No other interface are discussed.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

HIE – Health Information Exchange

eCW –eClinical Works

1.3.2 Glossary –N/A

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

Additional documents specific to Medicity HIE can be found on the Enterprise Integration team’s Sharepoint website: EIT Site Documents > Medicity HIE.

# 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 –N/A

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. | Click here to enter text. |

## 3.2 Non-Functional Requirements –N/A

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 BayCare’s 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 –N/A

|  |  |
| --- | --- |
| 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 –N/A

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

HL7 v2.3.1

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

PD1

[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, based on what was observed in Cloverleaf’s SMAT database since there is no evnet route defined.

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A04 | Patient Arrival |
| A08 | Update person record |

### 4.1*.*3 Cloverleaf Configuration Files

There are no variants, xlates or TCLs defined for this interface. This interface is a complete passthrough.

### 4.1.4 Cloverleaf Site Location

medicity\_15\_p

## 4.2 Data Transformation Requirements –N/A

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Notes** |
| --- | --- | --- | --- |
|  | MSH:XX.XX |  |  |
|  |  |  |  |

## 4.3 Sample Message

No TEST transactions were available, had to use prod data and removed PHI:

MSH|^~\&|ECW|2.16.840.1.113883.4.391.32.8527|||20180223074414||ADT^A04|5076944|T|2.3.1

EVN|A04|20180223074414||||20180223074414|

PID|1|302161|302161^^^&2.16.840.1.113883.4.391.32.8527^^^&2.16.840.1.113883.4.391.32|488840|Last^First^||19901231|M||White|1234 HAPPY AVE^^CLEARWATER ^FL^34608||^^^removed@hotmail.com^^^|7275555555||||||||Other||||||||||||||||

PD1||||1356347280^DiPiazza^Dr. David^^^^^^NPI|||||

PV1|1|O|||||1356347280^DiPiazza^Dr. David^^^^^^NPI||^^^|||

MSH|^~\&|ECW|2.16.840.1.113883.4.391.32.10664|||20180223080826||ADT^A08|5077084|T|2.3.1

EVN|A08|20180223080826||||20180223080826|

PID|1|28020|28020^^^&2.16.840.1.113883.4.391.32.10664^^^&2.16.840.1.113883.4.391.32|488847|Last^First^M||20121221|F|||123 1st Way No^^St Petersburg Beach^FL^33712||7276666666^^^remove@yahoo.com^^^|7279999999||S|||123456789|||Unspecified||||||||||||||||

PD1||||^^^^^^^^NPI|||||

PV1|1|O|||||^^^^^^^^NPI||^^^|||

# 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** |
|  |  |  |  |
| Medicity\_15\_p | 0600 – 2000 | [ISEnterpriseIntegrationServices@baycare.org](mailto:ISEnterpriseIntegrationServices@baycare.org) and [HIE-Team@baycare.org](mailto:HIE-Team@baycare.org) | Message backlog greater than 200, email sent to Integration and HIE distribution lists. |

# Appendix A: Risks and Concerns –N/A

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Risk / Concern** | **Comment** | **Mitigation** | | |  |  |  |
| RC.2013.1.0 |  |  | |  | |  |  |  |

# Appendix B: Issues List –N/A

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