**DM (EDM) ADT Requirements**

**Version 1.3**

**Prepared By: Tiffany Bohall**

**Date: 1/5/2018**

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# **Document Control**

## Resources

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

## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 5/17/2017 | Tiffany Bohall | Originally Created |
| V1.1 | 9/27/17 | Tiffany Bohall | Updated port parsing |
| V1.2 | 12/11/2017 | Tiffany Bohall | Added DCJ5 to the existing facility filter which passes all transactions from Soarian outbound to the EDM BOI feed for Morton plant Mease Diagnostic Cardiology. |
| V1.3 | 1/5/2018 | Tiffany Bohall | Added B0J5 to the existing facility filter which passes all transactions from Soarian outbound to the EDM BOI feed for Bloomingdale. |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to provide the HL7 ADT details around the Document Management (AKA EDM, Enterprise Document Management) application and the intended audience includes anyone wishing to know more about the interface configuration.

## 1.2 Project Scope

Describe the scope of the integration that is defined in this Integration Development Build Book (IDBB), only details the Soarian ADT routing to DM. That is the only interface component that goes through Cloverleaf.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

EDM –Enterprise Document Management (old name)

DM –Document Management (new name)

### 1.3.2 Glossary –N/A

Click here to enter text.

## 1.4 Document References –N/A

# 2. Diagram –N/A



# 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.2017.5.17.1 | Single Soarian inbound | All Soarian ADT that is consumed from DM is sent into Cloverleaf on a single inbound connection from OpenLink. The ADT destined for DM does not come in on any of the 9 inbound connections (6 for hospitals, 1 for BOI and 2 for Behavioral Health), which is routed to all other downstream applications that receive Soarian ADT. |
| FR.2017.5.17.2 | Static Raw route | When BayCare went from Invision to Soarian, the vendor decided that Cloverleaf would do no more manipulation to the ADT, so all messages and events are passed with the exception of filtering criteria outlined in the next section. |

## 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.2017.5.17 | BMG Person events | DM receives all data from Soarian and they have discovered there is no need to receive A28/31 person events that originated from GE Business and rebounded out from Soarian. There is currently a filter in place to suppress any message that has “BMG” in EVN.5. |
| NFR.2017.9.27 | Rebound ADT | Added more rebound criteria to the existing BMG filter; BAR coding, Baby weight and FirstNet rebounds from Cerner, HealthIntent and Physician’s portal rebound transactions. |
|  |  |  |

## 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 BayCare’s Cloverleaf

* Port 20008 in production

### 3.3.2 Outbound to the BayCare Cloverleaf –N/A

* Click here to enter text.

### 3.3.3 Inbound to the Vendor –N/A

* Click here to enter text.

### 3.3.4 Outbound to the Vendor

* 10.44.111.144, port 8004 MP Cha
  + facility locations 80A0, 60A0, 70A0, 50A0 and U0A0
* port 8108 SJ Cha
  + facility locations Z0A5, Y0A5, S0A5, G0A5 and F0A5
* port 8107 BOI:
  + facility locations B0J5, SpDCJ5, M0J5, X0J5, U0J5 and “” (for person updates that do not have a location)
* port 8106 BH
  + facility locations BB55, CBJ5, HBJ5, IB5, SBJ5, UBJ5
* port 8109 Misc
  + facility locations H0A5, I0A5, B0A5 and 7BA0

# 4. HL7 Messaging

## 4.1 Messaging Format

HL7 v2.7

### 4.1.1 Segments –N/A

The segments utilized for this interface are:

*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 –N/A

There are no Event Types routed or defined in Cloverleaf as the connection is static raw. Whatever Soarian sends, will pass to DM with the exception of suppressed BMG A31 events.

|  |  |
| --- | --- |
| **Event Type** | **Description** |
|  |  |
|  |  |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files –N/A

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

### 4.1.4 Cloverleaf Site Location

Soarf\_outbound\_23\_p

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| Operator ID | EVN:5 |  |  |  | tpsAdvHL7filter added on the route, please see section 3.2 Non-Functional Requirements for more details |
|  |  |  |  |  |  |

## 4.3 Sample Message

**INBOUND:**

MSH|^~\@|SOARF|UBJ5|||201705170928||ADT^A05||P|2.7

EVN|A05|201705170928||SE|W0A5asyncuser|201705170928|SOARIANUBJ5

PID|1||5772580^^^^ZAK~810012304^^^900000^PN~7000013738^^^504^MR||MAYTEST^ONE^^^^^L^^^20170501||19830201|M||Black|938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20170501~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^Pinellas^^^20170501||^PRN^PH^^1^727^4209050^^Pref||EN|W|No Religious Preference|6000030140^^^504^VCD^^20170501||||Non HIS or LAT||N|0|||||N|N

PV1|1|OPT||Elective|||010497^Dewan^Naakesh^Amrit^^^MD^^183^L^^^PRN^^^^20170330|||IND||||RP|||010497^Dewan^Naakesh^Amrit^^^MD^^183^L^^^PRN^^^^20170330|C|5103799499^^^504^VN^^20170517|PPO||||||||||||||||""|""||9049|||||201705111145

PV2|||||||||||||||||||||||||||||||2

ZPV|||||||||||||||||||||||||||||||||||||||||||||||||""|UNKNOWN|||||||||||||||||||5103799499^^No SCD^504^ZAVN^^20170517||201705111145

ROL|||PP|555555^No^PCP per pt

GT1|1|810012304^^^900000^PN^^20170501~7000013738^^^504^MR^^20170501|MAYTEST^ONE^^^^^L^^^20170501||938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20170501~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^^^^20170501|^PRN^PH^^1^727^4209050^^Pref||19830201|M|P|6||||||||||||||N|||||W||||||EN|||||No Religious Preference|||Non HIS or LAT||||||0^0|UNKNOWN^L^67019^^^900000^XX||||Black

IN1|1|265^BH Cigna PPO|421^^^900000^XX~060303370^^^900001^TX~NLU00008^^^184^CRI|Cigna Health Plan^L^421^^^900000^XX|PO BOX 182223^^CHATTANOOGA^TN^37422^USA^M^^^^POLCS-M~PO Box 182223^^Chattanooga^NE^37422^USA^M^^^^PMain~PO Box 182223^^Chattanooga^TN^37422^USA^M^^^^PMain~COR UNIT C2COR^900 COTTAGE GROVE RD^HARTFORD^CT^06152^USA^M^^^^HRefund~COR Unit C2COR^900 Cottage Grove Rd^Hartford^CT^06152^USA^M^^^^HRefund|Cigna|^WPN^PH^^0^800^2446224^^POLCS-M||BH Cigna PPO|67019^^^900000^XX|UNKNOWN^L^67019^^^900000^XX||||Health|MAYTEST^ONE^^^^^L|6|19830201|938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^Pinellas|||1||||||||||||||U123456785601|||||||M||false||||810012304^^^900000^PN~7000013738^^^504^MR

**OUTBOUND:**

MSH|^~\@|SOARF|UBJ5|||201705170928||ADT^A05||P|2.7

EVN|A05|201705170928||SE|W0A5asyncuser|201705170928|SOARIANUBJ5

PID|1||5772580^^^^ZAK~810012304^^^900000^PN~7000013738^^^504^MR||MAYTEST^ONE^^^^^L^^^20170501||19830201|M||Black|938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20170501~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^Pinellas^^^20170501||^PRN^PH^^1^727^4209050^^Pref||EN|W|No Religious Preference|6000030140^^^504^VCD^^20170501||||Non HIS or LAT||N|0|||||N|N

PV1|1|OPT||Elective|||010497^Dewan^Naakesh^Amrit^^^MD^^183^L^^^PRN^^^^20170330|||IND||||RP|||010497^Dewan^Naakesh^Amrit^^^MD^^183^L^^^PRN^^^^20170330|C|5103799499^^^504^VN^^20170517|PPO||||||||||||||||""|""||9049|||||201705111145

PV2|||||||||||||||||||||||||||||||2

ZPV|||||||||||||||||||||||||||||||||||||||||||||||||""|UNKNOWN|||||||||||||||||||5103799499^^No SCD^504^ZAVN^^20170517||201705111145

ROL|||PP|555555^No^PCP per pt

GT1|1|810012304^^^900000^PN^^20170501~7000013738^^^504^MR^^20170501|MAYTEST^ONE^^^^^L^^^20170501||938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas^^^20170501~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^^^^20170501|^PRN^PH^^1^727^4209050^^Pref||19830201|M|P|6||||||||||||||N|||||W||||||EN|||||No Religious Preference|||Non HIS or LAT||||||0^0|UNKNOWN^L^67019^^^900000^XX||||Black

IN1|1|265^BH Cigna PPO|421^^^900000^XX~060303370^^^900001^TX~NLU00008^^^184^CRI|Cigna Health Plan^L^421^^^900000^XX|PO BOX 182223^^CHATTANOOGA^TN^37422^USA^M^^^^POLCS-M~PO Box 182223^^Chattanooga^NE^37422^USA^M^^^^PMain~PO Box 182223^^Chattanooga^TN^37422^USA^M^^^^PMain~COR UNIT C2COR^900 COTTAGE GROVE RD^HARTFORD^CT^06152^USA^M^^^^HRefund~COR Unit C2COR^900 Cottage Grove Rd^Hartford^CT^06152^USA^M^^^^HRefund|Cigna|^WPN^PH^^0^800^2446224^^POLCS-M||BH Cigna PPO|67019^^^900000^XX|UNKNOWN^L^67019^^^900000^XX||||Health|MAYTEST^ONE^^^^^L|6|19830201|938 17TH ST N^^Oldsmar^FL^34677^USA^M^^Pinellas~938 17TH ST N^^Oldsmar^FL^34677^USA^H^^Pinellas|||1||||||||||||||U123456785601|||||||M||false||||810012304^^^900000^PN~7000013738^^^504^MR

# 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\_outbound\_23\_p | Mon-Fri 08:00 to 17:00 | AlertEDM.tbl in Cloverleaf: Integration team, Gena Tarloy and Tracey Rozin email and cell phone, Lisa Blackburn and Veretta Worlds | An alert will trigger is queue depth is greater than 500 for more than 5 minutes or if the connection goes into an Opening state for more than 10 minutes. |

# Appendix A: Risks and Concerns –N/A

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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.2017.5.17 | Performance Issues | Due to increased BayCare volume through added locations, the application is struggling to keep up with the amount of data being received. | The vendor has added additional processors.  The BayCare integration team has added a filter to block BAR, BABYWT, FIRSTNET, HEALTHI, PHYPORT rebounds and BMG A28/31 person events. | |  |  |  |

* End of document