**MCCF EDI TAS EINSURANCE US3502**

System Design Document

IB\*2.0\*602



Department of Veterans Affairs

**January 2018**

Version 1.1

**User Story Number:** US3502

**User Story Name:** Update eIV Statistical Report with EICD & MBI Data

|  |  |
| --- | --- |
| **Epic Taxonomy** | eBiz Compliance  Port  Update  Increase No Touch  TAS Apps |

# Story:

|  |  |  |
| --- | --- | --- |
| **As a...** | **I want to...** | **So that...** |
| Insurance Verification User | Review the summary number of transactions generated by *Electronic Insurance Coverage Discovery* and *MBI Inquiry* in the existing eIV Statistical Report | I can monitor traffic and response time and identify connectivity issues. |

**Report Selection:**

Option: [IBCNE IIV STATISTICAL REPORT] “eIV Statistical Report”

**Routine: IBCNERP7 --** “eIV STATISTICAL REPORT”

* No changes

**Report Compile:**

**Routine: IBCNERP8 –** “eIV STATISTICAL REPORT COMPILE”

* Make sure any “new” counts are added to the compile logic and made available to the prin**t**
* Routine: IN ; Determine Incoming Data
* Remove any non-verified extract count variable(s)

If WHICH EXTRACT (#365.1,.10) = 3 skip to next record

* Adjust existing Buffer logic: when (WHICH EXTRACT (#365.1,.10) = 1) and (HL7 SUBSCRIBER ID FIELD (#365.1,.16) ‘= “MBIrequest”)
* Add count for EICD responses

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)= (I)dentification for the requested date range of the report

* Add count for EICD-triggered Verification responses

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)=(V)erification for the requested date range of the report

* Add count for MBI responses

When (WHICH EXTRACT (#365.1,.10) = 1)and(HL7 SUBSCRIBER ID FIELD (#365.1,.16) = “MBIrequest”)

* Routine: OUT ;Outgoing Data
* Remove any non-verified extract count variable(s)

If WHICH EXTRACT (#365.1,.10) = 3 skip to next record

* Adjust existing Buffer logic: when (WHICH EXTRACT (#365.1,.10) = 1)and(HL7 SUBSCRIBER ID FIELD (#365.1,.16) ‘= “MBIrequest)
* Add count for EICD queries

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)= (I)dentification) for the requested date range of the report

* Add count for EICD-triggered Verification queries

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)= (V)erification) for the requested date range of the report

* Add count for MBI queries

When (WHICH EXTRACT (#365.1,.10) = 1)and(HL7 SUBSCRIBER ID FIELD (#365.1,.16) = “MBIrequest”)

* Routine: CUR ; Current Status - stats - timeframe independent
* Add count for pending Insurance Buffer queries

When (WHICH EXTRACT (#365.1,.10) = 1)and(HL7 SUBSCRIBER ID FIELD (#365.1,.16) ‘= “MBIrequest)

* Add count for pending Appointment queries

When WHICH EXTRACT (#365.1,.10) = 2

* Add count for pending EICD queries

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)=(I)dentification)

* Add count for pending EICD-triggered Verification queries

When (WHICH EXTRACT (#365.1,.10) = 4)and(QUERY (#365.1,.11)=(V)erification)

* Add count for pending MBI queries

When (WHICH EXTRACT (#365.1,.10) = 1)and(HL7 SUBSCRIBER ID FIELD (#365.1,.16) = “MBIrequest”)

* Add count for Received MBI IDs (%)

Update PIECE $S to add ‘%’ and populate report properly

**Report Print:**

**Routine: IBCNERP9 –** “eIV STATISTICAL REPORT PRINT”

* Make sure any “new” counts are received from the compile logic and printed in the report
* Remove the “Non-verified Insurance” line item under both **Inquiries Sent** and **Responses** **Received** sections.
* Remove “# of \* entries (User Verified Policy)” found under User Action Required
* eIV Statistical Report – populate the line items in red (thanks Rebecca) with data provided from the compile (see the report sample below )
* Comment out line #159, “. S LINECT=LINECT+1”
* Change line #160, “I IBOUT="E" S DISPDATA(LINECT)=$S(TYPE="OUT":"Inquiries Sent",1:"Responses Received")\_U\_+$P(RPTDATA,U,1)” to

“I IBOUT="E" S DISPDATA(LINECT)= S DISPDATA(LINECT)\_$S(TYPE="OUT":" (Inquiries Sent)",1:"(Responses Received)")\_U\_+$P(RPTDATA,U,1)”

* Change line #161 “I IBOUT="R" S DISPDATA(LINECT)=$$FO^IBCNEUT1($S(TYPE="OUT":"Inquiries Sent:",1:"Responses Received:"),36)\_$$FO^IBCNEUT1(+$P(RPTDATA,U,1),9,"R")”

To

“I IBOUT="R" S DISPDATA(LINECT)=DISPDATA(LINECT)\_$$FO^IBCNEUT1($S(TYPE="OUT":"(Inquiri es Sent):",1:" (Responses Received): "),36)\_$$FO^IBCNEUT1(+$P(RPTDATA,U,1),9,"R")”

* Line, #162 Change “. F CT=1:1:3 D”

To

. F CT=1:1:5 D

* Line, #163 Change “. . S TYPE=" "\_$S(CT=1:"Insurance Buffer",CT=2:"Appointment",1:"Non-verified Insurance")”

To

. . S TYPE=" "\_$S(CT=1:"Insurance Buffer",CT=2:"Appointment",CT=3:” Electronic Insurance Coverage Discovery (EICD”,CT=4:” EICD-Triggered eInsurance Verification”,1:”MBI Inquiry”)

* After line #231, “I TYPE="PYR" D  G DATAX” Add
  + . S LINECT=LINECT+1
  + . S DISPDATA(LINECT)=" Payer Activity (During Report Date Range)”
  + . S LINECT=LINECT+1
  + . S DISPDATA(LINECT)=DASHES

\*\* specifically for the excel version of the report \*\*

* The Excel output will require modification
* The excel output will not have blank lines in between the different sections or subsections
* Remove the “Non-verified Insurance” line item under both Inquiries Sent and Responses Received sections.
* eIV Statistical Report – populate the line items in red with data provided from the compile (generally, follow the printed report items show in the excel sample below)

**Example of the updated report: (report mode)**

eIV Statistical Report Nov 09, 2017@10:50:13 Page: 1

Report Timeframe: 11/09/2016 12:00 - 11/09/2017 12:00

Outgoing Data (Inquiries Sent): 19

==============

Insurance Buffer 19

Appointment 0

Electronic Insurance Coverage Discovery (EICD) #

EICD-Triggered eInsurance Verification #

MBI Inquiry #

Incoming Data (Responses Received): 19

==============

Insurance Buffer 19

Appointment 0

Electronic Insurance Coverage Discovery (EICD) #

EICD-Triggered eInsurance Verification #

MBI Response #

Current Status

==============

Responses Pending: 42

Insurance Buffer #

Appointment #

Electronic Insurance Coverage Discovery (EICD) #

EICD-Triggered eInsurance Verification #

MBI Inquiry #

Queued Inquiries: 13

Deferred Inquiries: 0

Insurance Companies w/o National ID: 706

eIV Payers Disabled Locally: 38

Insurance Buffer Entries: 682

User Action Required: 221

# of + entries (Payer indicated Active policy) 144

# of $ entries (Escalated, Active policy) 0

# of % entries (MBI value received) 0

# of - entries (Payer indicated Inactive policy) 33

# of # entries (Policy status undetermined) 19

# of ! entries (eIV needs user assistance for entry) 9

Entries Awaiting Processing: 461

# of ? entries (eIV is waiting for a response) 28

# of blank entries (yet to be processed or accepted) 433

Payer Activity (During Report Date Range)

==============

New eIV Payers received:

Aetna  
 Cigna

National Payers = ACTIVE flag changes at FSC:

No information available

Nationally Active Payers – TRUSTED flag changes at FSC:

No information available

\*\*\* END OF REPORT \*\*\*

**Example of the updated report: (excel mode)**

eIV Statistical Report Dec 05, 2017@12:09:33 Page: 1

Report Timeframe: 08/27/2017 08:00 - 12/05/2017 12:09

OUTGOING DATA (Inquiries Sent)^127

Insurance Buffer^127

Appointment^0

Electronic Insurance Coverage Discovery (EICD)^#

EICD-Triggered eInsurance Verification^#

MBI Inquiry^#

INCOMING DATA (Responses Received)^114

Insurance Buffer^114

Appointment^0

Electronic Insurance Coverage Discovery (EICD)^#

EICD-Triggered eInsurance Verification^#

MBI Response^#

CURRENT STATUS

Responses Pending^0

Insurance Buffer^#

Appointment^#

Electronic Insurance Coverage Discovery (EICD)^#

EICD-Triggered eInsurance Verification^#

MBI Inquiry^#

Queued Inquiries^22

Deferred Inquiries:^0

Insurance Companies w/o National ID^704

eIV Payers Disabled Locally^37

Insurance Buffer Entries: ^389

User Action Required^156

# of + entries (Payer indicated Active policy)^144

# of $ entries (Escalated, Active policy)^0

# of % entries (MBI value received)^0

# of - entries (Payer indicated Inactive policy)^33

# of # entries (Policy status undetermined)^19

# of ! entries (eIV needs user assistance for entry)^9

Entries Awaiting Processing^233

# of ? entries (eIV is waiting for a response)^0

# of blank entries (yet to be processed or accepted)^233

Payer Activity (During Report Date Range)

New eIV Payers received:

Aetna

Cigna

National Payers = ACTIVE flag changes at FSC:

No information available

Nationally Active Payers – TRUSTED flag changes at FSC:

No information available

\*\*\* END OF REPORT \*\*\*

# Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 01/23/2018 | 1.1 | Updated SDD to resynch with updated user story that was approved around Jan. 2018. The format of the report changed. Added blank lines and changed around a few titles to the different subsections. | W. Darlene / N. Henry |
| 12/1/2017 | 1.0 | Initial draft – added additional calculations to the all sections of the existing report. | Z. Tim |