LOUISIANA DEPT. OF HEALTH & HOSPITALS

Medicaid Eligibility Data System

Internal Design:

BENDEX Interface

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BENDEX Interface

Overview

The BENDEX (Beneficiary and Earnings Data Exchange) system serves as a data repository and inquiry system for Medicare information.

When MEDS certifies someone, that information must be sent to BENDEX so that the Social Security Administration can tell MEDS if they have any information on the person. If person "identifying information" is changed on MEDS, then they also want to send that record to BENDEX to see if that is a match at SSA. Once a record is sent to BENDEX, BENDEX has the MEDS ID and can communicate any new SSA information to MEDS. Therefore, MEDS must also send closures to BENDEX to stop incoming information from SSA (if the person is no longer eligible in MEDS).

A MEDS outbound interface will exist to pass information from MEDS to BENDEX. MEDS will send BENDEX an extract file of changes to MEDS Medicaid member eligibility information since the last execution of the interface. Note: The extract record will not identify which change has occurred, but provide an overlay of the current eligibility. Only MEDS categories that translate to a valid BENDEX category will be updated with a BENDEX run number and extracted in the interface.

Volumes/Frequency

MEM0010 – BENDEX Extract Batch Process

Extract - Monthly run. Approximately 100,000 records.

System Tables

Run Control

Process ID	Description
BENDEX	BENDEX interface (MEDS to BENDEX).

MEDS/BENDEX Record Layout (MEIBIEL)

```
01 #TRANSACTION-RECORD
  02   #RECORD-TYPE                 (A1)
  02   #STATUS                      (A1)
  02   #RECIPIENT-INFORMATION
       03   #SSN                    (N9)
       03   #SSN-VERIFICATION-CODE  (A1)
       03   #NEW-CLAIM-NUMBER       (A11)
       03   #RECIPIENT-ID           (N13)
       03   #RECIPIENT-LAST-NAME    (A12)
       03   #RECIPIENT-FIRST-NAME   (A7)
       03   #RECIPIENT-MIDDLE-INITIAL (A1)
       03   #BIRTHDATE              (N8)
       03   #SEX-CODE               (A1)
       03   #TYPE-OF-ASSISTANCE     (A1)
       03   #EARNINGS-REQUESTED     (A1)
  02   #CASE-INFORMATION
       03   #CASE-ID                (N13)
       03   #CASE-LAST-NAME         (A12)
       03   #CASE-FIRST-NAME        (A7)
       03   #CASE-MIDDLE-INITIAL    (A1)
       03   #CASELOAD               (N3)
       03   #WORKER-NUMBER          (N4)
```

BENDEX Category LDA (MEIBICL)

The BENDEX_EXTRACT Type of Assistance will be populated according to the Category/Type Case combination (a table of BENDEX categories corresponding to the MEDS category/type case):

MEDS Category	BENDEX Category
01	A
02	B
03, 13	C
04	D
05, 06, 08	I
14, 17, 20, 22	N

NOTE: MEDS categories 15 and 16 are not sent to BENDEX

The MEDS to BENDEX Interface record field descriptions:

Note: this file format acts as input to BENDEX from several systems, so some of the descriptions provided are not applicable to the BENDEX_EXTRACT process.

Field Name	Description
Record Type	M = Medicaid *Not applicable to MEDS interface:* *F = Food Stamps*
Status	A = Active C = Closed
Recipient SSN	Social Security Number for Inquiry
Recipient Verification Code	Indicator that identifies if the SSN as been verified as "valid" by the Social Security Administration.
Recipient Claim Number	Number used by Social Security Administration to identify an individual who is a claimant or a beneficiary
Recipient ID	MEDS ID (*or Food Stamps ID*) associated with the Recipient SSN for inquiry
Recipient Last Name	AU Member
Recipient First Name	AU Member
Recipient Middle Initial	AU Member
Recipient Birth Date	MMDDYYYY
Recipient Sex Code	F = Female M = Male U = Unknown
Type of Assistance	A = Aid to the Aged B = Aid to the Blind C = Aid to Families with Dependent Children D = Aid to the Disabled I = Income Maintenance N = Title XIX, Medicaid Determination *Not applicable to MEDS interface:* *F = Food Stamps* *H = Health Maintenance, Buy-In or Attempted Buy-In* *J = AFDC and Food Stamps* *K = Medicaid and Food Stamps* *P = Child Support Enforcement* *S = Written Statement of Consent of Individual* *U = Unemployment Compensation*
Earnings Requested	E = Earnings Data Requested *When a MEDS worker is making a BENDEX request, they would always want to see the clients earnings. That is usually why they would make the request.* *Not applicable to MEDS interface:* *Blank = No Earnings Data Requested*
Case ID	Identification Number in MEDS (*or Food Stamps*) of the Person designated as Head of Household or Payee
Case Last Name	Client
Case First Name	Client
Case Middle Initial	Client
Caseload	No longer unique, but still required
Worker Number	No longer unique, but still required

BENDEX Extract (MEIBIEZ)

BENDEX Extract Process Overview

The BENDEX Extract Process creates an extract file containing a single record for every MEDS Person (recipient) whose Medicaid related information has changed (subject to certain criteria) since the last run of the BENDEX extract process.

A change in Medicaid related information, as it pertains to BENDEX, is defined as:

1. Change to **Certification Period/Type Case** Renewal Date (Case Renewal)

2. Change to **Person** information (Name Change, Birth Date Change, Sex Code Change, SSN Change, SSN Claim Number Change)

3. Change to **AU Member** information (New Certification, Type Case Change, Recipient Closure, Case Closure)

    Technical Note: Three business objects (CPTC, PERSON, and AU-MEMBER) have been identified in the MEDS system as containing BENDEX-related Medicaid information. Changes to the relevant fields will trigger the object subprogram to mark the appropriate AU Member record(s) for the next extract, with the exception of AU Members with category 15 or 16 (i.e. will "stamp" the BENDEX extract next "snapshot" Run Control Number on the BENDEX-RUN-NUMBER field in the AU-MEMBER file). Refer to the Run Control /Snapshot processing in the Common Facilities External Design – Part 5 for more information.

When the BENDEX extract process executes, it will retrieve the AU Member and create a "snapshot" of the current member eligibility information (Medicaid status, recipient information, and case information). The important note here is that the record will not identify which change has occurred, but provide an overlay of the current eligibility.

For persons with dual certifications BENDEX will be informed of the initial certification and informed of the closure when both certifications are closed in MEDS. The category to be sent in the communication will be the non-dual category while that certification is open.

Restart Processing

No restart processing since the extract program can be re-run from the start.

Processing

Call the Run Control object subprogram (MEXRUNU) to start the run with process id = 'BENDEX' and function = 'NEW RUN'.

Technical Note: Refer to the Run Control /Snapshot processing in the Common Facilities External Design – Part 5.

Move "M" to BENDEX_EXTRACT.#RECORD TYPE   /*Always Medicaid (M)
Move "E" to BENDEX_EXTRACT.#EARNINGS REQUESTED   /*Always Earnings Requested (E)

Read the AU-MEMBER file by BENDEX Run Number
   where BENDEX Run Number = Run Control.Run Number

Determine AU-MEMBER status for extract to the BENDEX file:

Technical Note: Close Date refers to Close Date unless Close Date = 0 and Suspend Date > 0, then Close Date refers to Suspend Date.

```
If AU-MEMBER.CLOSE DATE = 0
    /* Active
    Move "A" to BENDEX_EXTRACT.#STATUS
Else
    /* Closed
    If AU-MEMBER.CLOSE DATE GT (End of Current Month)
            /* If this is a cancel future eligibility check if record has ever gone to Bendex and send
        /* closure if necessary.
        If AU-MEMBER.CLOSURE-CODE = cancel future eligibility
            Person "Determine if sent to BENDEX"
            If #Already-sent-to-BENDEX = "Yes"
                    Move "C" to BENDEX-EXTRACT.#STATUS
                    Continue        /* send closure this month
            Else
                    Escape Top      /* ignore this record and get next AU Member
            End-If
        Else
            /* Future Close
            Perform "Update Run Number for Next Month"
            /* This AU Member could contain other changes, or could have opened since last
            /* Bendex run so should be sent as active in this run.
            Move "A" to BENDEX_EXTRACT.#STATUS
        End-If
    Else
        /* Really Closed
        Perform "Determine If Any Active AU Members Exist"
        If #Any-Active-AUMems = "Yes"
            /* Assume Dual Eligibility
                    Escape Top      /* Ignore this record and get next AU Member
        Else
            /*      Really, Really Closed
            Perform "Determine if Sent to BENDEX"
            If #Already-Sent-To-BENDEX = "Yes"
                Move "C"    to      BENDEX_EXTRACT.#STATUS   /* Closed
                Continue    /* Legitimate Close
            Else
                /* Assume Open/Close
                    Escape Top      /* Ignore this record and get next AU Member
            End-If
        End-If
    End-If
End-If
```

Extract BENDEX file details:

Get Recipient Information:

Move AU-MEMBER.PERSON ID to BENDEX_EXTRACT.#RECIPIENT-ID

Find PERSON record with Person ID = AU-MEMBER.PERSON ID

/*   *If the SSN is a pseudo SSN send this a closure to Bendex.*

If PERSON.SSN = mask ('9'NNNNNNNN)
      Move "C" to BENDEX-EXTRACT.#STATUS
End if
Move PERSON.SSN to   BENDEX_EXTRACT. #SSN
Move PERSON.SSN-VERIF-CODE to   BENDEX_EXTRACT.#SSN-VERIFICATION-CODE
Move PERSON.SSN-CLAIM-NUM to   BENDEX_EXTRACT.#NEW-CLAIM-NUMBER

Names may be truncated since BENDEX_EXTRACT file field lengths are shorter

Move PERSON.LAST-NAME to BENDEX_EXTRACT.#RECIPIENT-LAST-NAME
Move PERSON.FIRST-NAME to BENDEX_EXTRACT.#RECIPIENT-FIRST-NAME
Move PERSON.MIDDLE-INIT to BENDEX_EXTRACT.#RECIPIENT-MIDDLE-INITIAL

Convert Birth date from PERSON YYYYMMDD format to BENDEX_EXTRACT MMDDYYYY format

Move PERSON.BIRTH-DATE to BENDEX_EXTRACT.#BIRTHDATE

Convert Sex code from PERSON numeric (Sex Code LDA) to BENDEX F/M/U (METBSXL) format

Move PERSON.SEX-CODE to BENDEX_EXTRACT.#SEX-CODE

End Find (Person)

Get Client Information:

Find CERT PERIOD file Case Num/Cert Period Num
with Case Num = AU-MEMBER.CASE NUM
and Cert Period Num = AU-MEMBER.CERT PERIOD NUM
    Move CERT PERIOD.CLIENT NUM to BENDEX_EXTRACT.#CASE ID
    Find PERSON record with Person ID = CERT PERIOD.CLIENT NUM

       Names may be truncated since BENDEX_EXTRACT file field lengths are shorter

       Move PERSON.LAST-NAME to BENDEX_EXTRACT.#CASE-LAST-NAME
       Move PERSON.FIRST-NAME to BENDEX_EXTRACT.#CASE-FIRST-NAME
       Move PERSON.MIDDLE-INIT to BENDEX_EXTRACT.#CASE-MIDDLE-INITIAL

End Find (Person)

Get the Category Type Case for the Cert Period:

Find (1) CPTC file
   where Case Num = AU-MEMBER.CASE NUM
   and Cert Period Num = AU-MEMBER.CERT PERIOD NUM

    If this is a QMB/SLMB check if open dual cert exists. If it exists it will have been sent to Bendex or will be in this extract so bypass this record

    If Category/TypeCase is QMB or SLMB
    Perform "Determine If Any Other AU Members Exist"
    If #Other-AUMems = "Yes"
       /* *Assume Dual*
         Escape top   */* Ignore this record and get next AU Member*
    End if
    End if

    Read BENDEX Category LDA (MEIBICL) to populate BENDEX Type of Assistance based on the latest Category Code:

Move A/B/C/D/I/N to BENDEX_EXTRACT.#TYPE OF ASSISTANCE

End Find /* (CPTC)

End Find /* (Cert Period)

Get Case Information:

Find CASE with Case Num = AU-MEMBER.CASE NUM
Move CASE.CSLD NUM to BENDEX_EXTRACT.#CASELOAD
Find CASELOAD with LOC TYPE/LOC ID/CSLD NUM = CASE.CSLD-KEY
Move   CASELOAD.WORKER NUM to BENDEX_EXTRACT.#WORKER NUMBER
End Find (Caseload)
End Find (Case)

Write record to the BENDEX_EXTRACT file

End-read (AU-MEMBER file)

Call the Run Control object subprogram (MEXRUNU) with function = 'SET COMPLETE' to set the status to 'C' (complete).

"Determine if Sent to BENDEX"

Assign #Already-Sent-To-BENDEX = "No"
Read AU Member Log file by AU Member Prime key
If AU Member Log.Bendex Run Number not = 0 and AU Member Log.Bendex Run Number < Current Bendex Run Number
Assign #Already-Sent-To-BENDEX = "Yes"
Escape Routine
End-If
End-Read

"Update Run Number for Next Month"

Call the common routine to update BENDEX run number (current + 1) on AU Member record.

"Determine If Any Active AU Members Exist"

Assign #Any-Active-AUMems = "No"
Read AU Member file by Person Number
If Close date = 0 or Close Date > current AU Member Close Date
and Category Code not = 15 or 16   /* excluded from BENDEX
Assign #Any-Active-AUMems = "Yes"
Escape Routine
End-If
End-Read

"Determine If Any Other AU Members Exist"

Assign #Other-AUMems = "No"
Read AU Member 2 file by Person Number
If AU Member 2 NE Current AU Member and
AU Member 2 Close date = 0 or AU Member 2 Close Date >= current AU Member Close Date
Assign #Other-AUMems = "Yes"

```
        Escape Routine
    End-If
End-Read
```

Error Processing

Report all exceptions on the BENDEX Extract Exception Report and continue processing.

Sort Step

Sort the BENDEX-EXTRACT file to remove duplicates by person

BENDEX Extract Control Report (MEM0010R1)

The BENDEX Extract Control Report is used to produce program statistics.

```
MEIBIEZ  - MEM0010R1                    LOUISIANA DEPARTMENT OF HEALTH AND HOSPITALS                       MM/DD/YYYY
MEM0010T                                      BENDEX EXTRACT CONTROL REPORT                                00:00 PM
JOB09999                                                                                                  Page:    1


BENDEX Extract Run Number: 99999999
Process Date      : YYYY/MM/DD
-----------------------------


AU-MEMBER records read........... 999999999
Errors found.................... 999999999
Still active certs bypassed...... 999999999
Open/closes bypassed............. 999999999
Duplicate records bypassed....... 999999999
Non-BENDEX categories bypassed... 999999999
Extract records created.......... 999999999
                                            *** End of Report ***
```

BENDEX Extract Exception Report (MEM0010R9)

The BENDEX Extract Exception Report is used to report all errors encountered during the extract process.

```
MEIBIEZ  - MEM0010R9                    LOUISIANA DEPARTMENT OF HEALTH AND HOSPITALS                       MM/DD/YYYY
MEM0010T                                     BENDEX EXTRACT EXCEPTION REPORT                               00:00 PM
JOB09999                                                                                                  Page:    1


Extract Run Number: 99999999
Process Date      : YYYY/MM/DD
-----------------------------

AU Member: 9999999999999
        Error Message (1)
        Error Message (n)

AU Member: 9999999999999
        Error Message (1)
        Error Message (n)
                                            *** End of Report ***
```