```
 IDENTIFICATION DIVISION.
 PROGRAM-ID.           OPPSCAL.
*AUTHOR.            ED FRANEY.
*REMARKS.                HCFA.
*********************************************************
* 5/8/00  - ADD WINX TO RETURN RECORD                   *
* 5/10/00 - ADD MSA TO RETURN RECORD                    *
* 5/11/00 - CHANGE PROVIDER FILE FROM 9999 OCCURS TO 999  *
*         - CHANGE ALL LINE OCCURS FROM 999 TO 450      *
* 5/17/00 - RELOCATE MOVE OF H-WINX1 TO A-WINX TO       *
*           0000-PROCESS-MAINLINE                       *
* 6/08/00 - ADD CODE IN 0550-CALC-STANDARD:             *
*              MOVE W-MIN-COIN (W-LP-INDX) TO H-MIN-COIN  *
*         - CORRECTED PROBLEM OF COINSURANCE ELECTION   *
*           BEING DROPPED AFTER FIRST LINE WAS PROCESSED  *
* 6/14/00 - UPDATED WAGE INDEX TABLE                    *
*         - CREATED NEW COPY BOOK                       *
* 7/10/00 - CORRECTED 0150-INIT PARAGRAPH               *
*         - WILL INCLUDE ALL PACKAGED LINES IN TOTAL    *
*           CHARGES FOR OUTLIER CALCULATION             *
*           - INCLUDED OPPS-PKG-FLAG = 0 OR 1 OR 2      *
* 7/18/00 - CORRECTED MAX-COINSURANCE PARAGRAPH 0550-CALC *
*           - CHANGED >>  MOVE 776 TO H-NAT-COIN << TO  *
*           -            MOVE H-MAX-COIN TO H-NAT-COIN  *
*********************************************************
 DATE-COMPILED.
 ENVIRONMENT DIVISION.
 CONFIGURATION SECTION.
 SOURCE-COMPUTER.            IBM-370.
 OBJECT-COMPUTER.            IBM-370.
 INPUT-OUTPUT  SECTION.
 FILE-CONTROL.

 DATA DIVISION.
 FILE SECTION.

 WORKING-STORAGE SECTION.
 01  W-STORAGE-REF                  PIC X(46)  VALUE
     'OPCAL2000.0   - W O R K I N G   S T O R A G E'.
 01  CAL-VERSION                    PIC X(07)  VALUE 'C2000.0'.
 01  R1                             PIC S9(04) COMP SYNC.
 01  R2                             PIC S9(04) COMP SYNC.
 01  R3                             PIC S9(04) COMP SYNC.
 01  R4                             PIC S9(04) COMP SYNC.

*************************************************************
*    LAYUP TABLE AREA FOR CY2000 APC'S                      *
*************************************************************
*************************************************************
****** WAA-INDX   ******************************
 COPY OPPSAPCS.

*************************************************************
*                   THIS IS THE WAGE-INDEX                  *
*          ASSOCIATED WITH THE BILL BEING PROCESSED         *
*************************************************************
****** WWM-INDX   ******************************
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```
 COPY OPPSWINX.

 01  WORK-AREA.
     05  W-SUB1                  PIC S9(07) COMP-3  VALUE ZERO.
     05  W-SUB2                  PIC S9(07) COMP-3  VALUE ZERO.
     05  PS-SUB                  PIC S9(07) COMP-3  VALUE ZERO.
     05  LN-SUB                  PIC S9(07) COMP-3  VALUE ZERO.
     05  DISC-FRACTION           PIC 9V9(03)  VALUE .500.
     05  TERM-PROC-DISC          PIC 9V9(03)  VALUE .500.

*****************************************************************
*   BELOW ARE THE VARIABLES THAT WILL BE HELD FOR CLAIM         *
*   LEVEL PROCESSING (OUTLIAR/DEDUCTABLE/COINSURANCE)           *
*****************************************************************
 01  H-ADDITIONAL-VARIABLES.
     05  H-OUTLIER-PYMT             PIC S9(07)V9(02).
     05  H-PRTL-HOSP-PYMT           PIC 9(07)V9(02).
     05  H-TOTAL-CLM-DEDUCT         PIC 9(03)V9(02).
     05  H-TOT-CHRG                 PIC 9(07)V9(02).
     05  H-TOT-PYMT                 PIC 9(07)V9(02).
     05  H-BENE-DEDUCT              PIC 9(03)V9(02).
     05  H-SUB-CHRG                 PIC 9(08)V9(02).
     05  LINE-HOLD-ITEMS.
        10  H-COIN-PERCENT          PIC 9(01)V9(04).
        10  H-LITEM-PYMT            PIC 9(07)V9(02).
        10  H-LITEM-REIM            PIC 9(07)V9(02).
        10  H-APC-PYMT              PIC 9(07)V9(02).
        10  H-TOTAL-LN-DEDUCT       PIC 9(03)V9(02).
        10  H-NAT-COIN              PIC 9(05)V9(02).
        10  H-MIN-COIN              PIC 9(05)V9(02).
        10  H-PSF-COIN              PIC 9(05)V9(02).
        10  H-RED-COIN              PIC 9(05)V9(02).
        10  H-MAX-COIN              PIC 9(05)V9(02).
        10  H-LN-PTR                PIC 9(03).
        10  H-SRVC-UNITS            PIC 9(07).
        10  H-RANK                  PIC 9(03).
        10  H-PSF-MSA               PIC X(04).
        10  H-PPCT                  PIC S9V9(06) COMP-3.
        10  H-DISC-RATE             PIC S9V9(08) COMP-3.
        10  H-WINX1                 PIC S9V9(04) COMP-3.

*****************************************************************
*   BELOW IS THE LAY-UP TABLE TO PROCESS DEDUCTIBLES.           *
*                                                               *
*****************************************************************
****** W-LP-INDX  ******************************

 01  W-LNC-MAX                      PIC S9(07)  COMP-3 VALUE +0.
 01  W-LINE-PTR-TABLE.
    05  W-LP-ENTRY
          OCCURS 0 TO 450 TIMES
          DEPENDING ON W-LNC-MAX
          ASCENDING KEY IS W-RANK
          INDEXED BY W-LP-INDX.
        10  W-LP-SUB                 PIC S9(07)   COMP-3.
        10  W-APC-PYMT               PIC 9(07)V99.
        10  W-NAT-COIN               PIC 9(05)V99.
```

```
        10  W-MIN-COIN              PIC 9(05)V99.
        10  W-RED-COIN              PIC 9(04)V99.
        10  W-DISC-RATE             PIC 9(01)V9(08).
        10  W-SRVC-UNITS            PIC 9(07).
        10  W-RANK                  PIC 9(03).
        10  W-PPCT                  PIC S9V9(06) COMP-3.
        10  W-WINX1                 PIC S9V9(04) COMP-3.

 LINKAGE SECTION.
*****************************************************************
*    LAYUP TABLE AREA FOR CY2000 PROVIDER SPECIFIC RECORD     *
*****************************************************************

 01  L-PROV-SPEC-AREA.
         05  L-PSF-NPI                   PIC X(08).
         05  L-PSF-NPI-FILLER            PIC X(02).
         05  L-PSF-PROV-OSCAR.
           10  L-PSF-PROV-ST             PIC X(02).
           10  FILLER                    PIC X(04).
         05  L-PSF-EFFDT                 PIC 9(08).
         05  L-PSF-FY-BEGIN-DT           PIC 9(08).
         05  L-PSF-REPORT-DT             PIC 9(08).
         05  L-PSF-TERMDT                PIC 9(08).
         05  L-PSF-WAIVE-IND             PIC X(01).
         05  L-PSF-FI-NUM                PIC 9(05).
         05  L-PSF-PROV-TYPE             PIC X(02).
         05  FILLER                      PIC X(01).
         05  L-PSF-WGIDX-RECLASS         PIC X(01).
         05  L-PSF-GEO-MSA               PIC X(04).
         05  L-PSF-WI-MSA                PIC X(04).
         05  L-PSF-COLA                  PIC 9V9(03).
         05  L-PSF-BED-SIZE              PIC 9(05).
         05  L-PSF-OPCOST-RATIO          PIC 9V9(03).
         05  FILLER                      PIC X(17).
         05  L-PSF-APC-LINE-CNT          PIC 9(04).
         05  L-PSF-APC-TABLE     OCCURS 999 TIMES
                  DEPENDING ON L-PSF-APC-LINE-CNT.
             10  L-PSF-APC               PIC X(04).
             10  L-PSF-RED-COIN          PIC 9(04)V99.

*****************************************************************
*  INPUT RECORD FROM THE OCE/STANDARD SYSTEM                    *
*                                                               *
*****************************************************************

 01  OPPS-LINE-CNT                  PIC 9(08) COMP.
 01  OCE-DATA.
     05  OPPS-OCE-LINE OCCURS 450 TIMES
               DEPENDING ON OPPS-LINE-CNT.
         10  OPPS-HCPCS             PIC X(05).
         10  OPPS-GRP.
           15  FILLER               PIC X(01).
           15  OPPS-APC             PIC X(04).
         10  OPPS-HCPCS-APC         PIC X(05).
         10  OPPS-SRVC-IND          PIC X(01).
         10  OPPS-PYMT-IND          PIC X(01).
         10  OPPS-DISC-FACT         PIC 9(01).
```

```
        10  OPPS-LITEM-DR-FLAG     PIC X(01).
        10  OPPS-PKG-FLAG          PIC X(01).
        10  OPPS-PYMT-ADJ-FLAG     PIC X(01).
        10  OPPS-SITE-SRVC-FLAG    PIC X(01).
        10  OPPS-SRVC-UNITS        PIC 9(07).
        10  OPPS-SUB-CHRG          PIC 9(08)V99.
        10  OPPS-LITEM-ACT-FLAG    PIC X(01).
 01  L-SERVICE-FROM-DATE       PIC 9(08).
 01  BENE-DEDUCT               PIC 9(03)V9(02).
*****************************************************************
*   BELOW ARE THE VARIABLES THAT WILL BE PASSED BACK            *
*    TO SS ASSOCIATED WITH THE BILL BEING PROCESSED             *
*****************************************************************
 01  A-ADDITIONAL-VARIABLES.
     05  A-CALC-VERS             PIC X(07).
     05  A-TOTAL-CLM-DEDUCT      PIC 9(03)V9(02).
     05  A-OUTLIER-PYMT          PIC 9(07)V9(02).
     05  A-TOT-CLM-PYMT          PIC 9(07)V9(02).
     05  A-TOT-CLM-CHRG          PIC 9(07)V9(02).
     05  A-CLM-RTN-CODE          PIC 9(02).
     05  A-MSA                   PIC X(04).
     05  A-WINX                  PIC S9V9(04).
     05  A-LINE-ITEMS OCCURS 450 TIMES
             DEPENDING ON OPPS-LINE-CNT.
       10  A-LITEM-PYMT          PIC 9(07)V9(02).
       10  A-LITEM-REIM          PIC 9(07)V9(02).
       10  A-TOTAL-LN-DEDUCT     PIC 9(03)V9(02).
       10  A-ADJ-COIN            PIC 9(05)V9(02).
       10  A-RED-COIN            PIC 9(05)V9(02).
       10  A-RETURN-CODE         PIC 9(02).

*****************************************************************
*    PROCESSING:                                                *
*        A. WILL PROCESS LINE ITEMS BASED ON OCE FLAGS.         *
*        B. INITIALIZE OPPS   HOLD VARIABLES.                   *
*        C. EDIT THE DATA PASSED FROM THE OCE.                  *
*        D. ASSEMBLE PRICING COMPONENTS.                        *
*        E. CALCULATE THE PRICE.                                *
*        F. RETURN COINSURANCE/REIMBURSEMENT/DEDUCTIBLE/        *
*                  PAYMENT/OUTLIER AMOUNT/RETURN CODES          *
*****************************************************************

 PROCEDURE DIVISION  USING OPPS-LINE-CNT
                           OCE-DATA
                           A-ADDITIONAL-VARIABLES
                           L-PROV-SPEC-AREA
                           L-SERVICE-FROM-DATE
                           BENE-DEDUCT.

    0000-PROCESS-MAINLINE.

        PERFORM 0100-INIT
           THRU 0100-INIT-EXIT.
        IF A-CLM-RTN-CODE >= 50
           GOBACK.
        MOVE H-WINX1 TO A-WINX.
        PERFORM 0150-INIT
```

```
            THRU 0150-INIT-EXIT
              VARYING LN-SUB FROM 1 BY 1
                UNTIL LN-SUB > OPPS-LINE-CNT.
         PERFORM 0400-CALCULATE
            THRU 0400-CALCULATE-EXIT
               VARYING W-LP-INDX FROM 1 BY 1
                 UNTIL W-LP-INDX > W-LNC-MAX.
         PERFORM 0900-END-PRICE-RTN
            THRU 0900-END-PRICE-RTN-EXIT.

     GOBACK.

*************************************************************
*    INITIALIZE WORKING STORAGE HOLD AREAS                  *
*    AND ADDITIONAL VARIABLES TO BE PASSED BACK TO          *
*    THE STANDARD SYSTEM.                                   *
*    - IF PROVIDER SPECIFIC FILE WAGE INDEX RECLASSIFICATION  *
*      CODE INVALID OR MISSING                              *
*       - MOVE '52' TO CLAIM LEVEL RETURN CODE              *
*       - DISCONTINUE CLAIM PROCESSING                      *
*    - IF SERVICE FROM DATE NOT NUMERIC OR < 20000801       *
*       - MOVE '53' TO CLAIM LEVEL RETURN CODE              *
*       - DISCONTINUE CLAIM PROCESSING                      *
*    - IF SERVICE FROM DATE < PROVIDER EFFECTIVE DATE       *
*       - MOVE '54' TO CLAIM LEVEL RETURN CODE              *
*       - DISCONTINUE CLAIM PROCESSING                      *
*    - IF SERVICE FROM DATE > PROVIDER TERMINATION DATE     *
*       - MOVE '54' TO CLAIM LEVEL RETURN CODE              *
*       - DISCONTINUE CLAIM PROCESSING                      *
*************************************************************
   0100-INIT.

       MOVE 01 TO A-CLM-RTN-CODE.
       IF L-SERVICE-FROM-DATE NOT NUMERIC
          MOVE 53 TO A-CLM-RTN-CODE
          GO TO 0100-INIT-EXIT
       ELSE
          IF L-SERVICE-FROM-DATE < 20000801
             MOVE 53 TO A-CLM-RTN-CODE
             GO TO 0100-INIT-EXIT
          ELSE
             IF L-SERVICE-FROM-DATE < L-PSF-EFFDT
                MOVE 54 TO A-CLM-RTN-CODE
                GO TO 0100-INIT-EXIT
             ELSE
                IF L-PSF-TERMDT > 0
                   IF L-SERVICE-FROM-DATE > L-PSF-TERMDT
                      MOVE 54 TO A-CLM-RTN-CODE
                      GO TO 0100-INIT-EXIT
                   END-IF
                END-IF.
       MOVE SPACE TO A-MSA.
       MOVE ZERO TO A-OUTLIER-PYMT
                    A-TOTAL-CLM-DEDUCT
                    A-TOT-CLM-CHRG
                    A-TOT-CLM-PYMT
                    A-WINX
```

```
                    W-LNC-MAX
                    H-ADDITIONAL-VARIABLES.
         MOVE CAL-VERSION TO A-CALC-VERS.
         MOVE BENE-DEDUCT TO H-BENE-DEDUCT.
         MOVE WAD-MAX TO WAD-SUB.
         PERFORM UNTIL L-SERVICE-FROM-DATE
                 NOT < WAD-DATE (WAD-SUB)
             SUBTRACT 1 FROM WAD-SUB
         END-PERFORM.
         IF L-PSF-WGIDX-RECLASS = 'Y'
            MOVE L-PSF-WI-MSA TO H-PSF-MSA
         ELSE
            IF L-PSF-WGIDX-RECLASS = 'N'
               MOVE L-PSF-GEO-MSA TO H-PSF-MSA
            ELSE
               MOVE  52  TO A-CLM-RTN-CODE
               GO TO 0100-INIT-EXIT.
         IF (H-PSF-MSA = '6020' OR '9000' OR '8080') AND
            (L-PSF-PROV-ST = '36')
              MOVE '  36' TO H-PSF-MSA
         ELSE
            IF (H-PSF-MSA = '2440') AND
               (L-PSF-PROV-ST = '15')
                 MOVE '  15' TO H-PSF-MSA
            ELSE
               IF (H-PSF-MSA = '2520') AND
                  (L-PSF-PROV-ST = '24') AND
                  (L-PSF-WGIDX-RECLASS = 'Y')
                    MOVE '  24' TO H-PSF-MSA
               ELSE
                  IF (H-PSF-MSA = '1123') AND
                     (L-PSF-PROV-ST = '22')
                        MOVE '  22' TO H-PSF-MSA.

            MOVE H-PSF-MSA TO A-MSA.
            PERFORM 0200-CALC-WAGEINDX
               THRU 0200-CALC-WAGEINDX-EXIT.

            PERFORM 0220-CHNG-WAGEINDX
               THRU 0220-CHNG-WAGEINDX-EXIT.


   0100-INIT-EXIT.
      EXIT.

*************************************************************
* 1. VERIFY THE SERVICE INDICATOR PASSED BY THE OCE         *
*      - IF INVALID SET RETURN CODE TO '40'                 *
*         - DISCONTINUE LINE PROCESSING                     *
*      - IF VALID SET RETURN CODE TO '01'                   *
*         - CONTINUE LINE PROCESSING                        *
* 2. PROCESS LINES AND LOAD WORK TABLE ACCORDING TO PRICE   *
*    RANKING                                                *
* 3. CHECK OCE EDIT INDICATORS AND SET RETURN CODES IF      *
*    INDICATORS ARE INVALID.                                *
*     - VALID RETURN CODES FOR EDIT INDICATORS              *
*       - '41' - SERVICE INDICATOR INVALID FOR OPPS PRICER  *
```

```
*       - '42' - APC = '00000'                                  *
*       - '43' - PAYMENT INDICATOR NOT = TO 1 OR 5 THRU 9       *
*       - '44' - SERVICE INDICATOR = 'H' BUT PAYMENT            *
*                  INDICATOR NOT = TO 6                         *
*       - '45' - PACKAGING FLAG NOT = TO 0                      *
*       - '46' - LINE ITEM DENIAL/REJECT FLAG NOT = TO 0        *
*                 AND LINE ITEM ACTION FLAG NOT = TO 1          *
*       - '47' - LINE ITEM ACTION FLAG = 2 OR 3                 *
*       - '48' - PAYMENT ADJUSTMENT FLAG NOT VALID              *
*       - '49' - SITE OF SERVICE FLAG NOT = TO 0                *
* 4. IF OCE INDICATORS ARE VALID, SEARCH APC TABLE              *
*     - IF MISSING OR INVALID APC                               *
*       - SET RETURN CODE TO '30'                               *
*         - DISCONTINUE LINE PROCESSING                         *
*************************************************************
   0150-INIT.

       SET W-LP-INDX TO LN-SUB.
       MOVE ZERO TO W-LP-ENTRY (W-LP-INDX).
       MOVE ZERO TO A-LITEM-PYMT (LN-SUB)
                    A-LITEM-REIM (LN-SUB)
                    A-ADJ-COIN (LN-SUB)
                    A-RED-COIN (LN-SUB)
                    A-TOTAL-LN-DEDUCT (LN-SUB).

       IF NOT (OPPS-SRVC-IND (LN-SUB) = 'A' OR 'C' OR 'E' OR
            'F' OR 'G' OR 'H' OR 'J' OR 'N' OR 'P' OR 'S' OR
            'T' OR 'V' OR 'X') THEN
          MOVE  40  TO A-RETURN-CODE (LN-SUB)
          GO TO 0150-INIT-EXIT
        ELSE
          MOVE  01  TO A-RETURN-CODE (LN-SUB).

       IF OPPS-SRVC-IND (LN-SUB) = 'A' OR 'C' OR 'E' OR 'F'
          MOVE  41  TO A-RETURN-CODE (LN-SUB)
          GO TO 0150-INIT-EXIT.

         IF OPPS-PYMT-IND (LN-SUB) = '1' OR '5' OR '6' OR
                                     '7' OR '8' OR '9'
           IF OPPS-PKG-FLAG (LN-SUB) = '0' OR '1' OR '2'
             IF (OPPS-LITEM-DR-FLAG (LN-SUB) = '0') OR
                (OPPS-LITEM-ACT-FLAG (LN-SUB) = '1')
               IF NOT (OPPS-LITEM-ACT-FLAG (LN-SUB)
                                   EQUAL '2' OR '3')
                 IF OPPS-PYMT-ADJ-FLAG (LN-SUB) = '0' OR '1'
                                     OR '2' OR '3' OR '4'
                   IF OPPS-SITE-SRVC-FLAG (LN-SUB) = '0'
          MOVE OPPS-SRVC-UNITS (LN-SUB) TO H-SRVC-UNITS

          MOVE OPPS-SUB-CHRG (LN-SUB) TO H-SUB-CHRG
          COMPUTE H-TOT-CHRG = H-TOT-CHRG +
                               H-SUB-CHRG
                   IF OPPS-APC (LN-SUB) = '0000'
                     MOVE 42 TO A-RETURN-CODE (LN-SUB)
                     GO TO 0150-INIT-EXIT
                   END-IF
          SEARCH ALL WAA-ENTRY
```

```
             AT END
                MOVE 30 TO A-RETURN-CODE (LN-SUB)
                GO TO 0150-INIT-EXIT
             WHEN WAA-APC (WAA-INDX) = OPPS-GRP (LN-SUB)
                MOVE WAA-PTR (WAA-INDX) TO W-SUB2
                PERFORM VARYING W-SUB2
                   FROM W-SUB2 BY -1
                    UNTIL W-SUB2 <= WAA-PTR (WAA-INDX - 1)
                IF WAR-DTCD (W-SUB2) NOT > WAD-DTCD (WAD-SUB)
                    MOVE WAR-RATE (W-SUB2) TO H-APC-PYMT
                    MOVE WAR-RANK (W-SUB2) TO H-RANK
                    MOVE WAR-MINC (W-SUB2) TO H-MIN-COIN
                    MOVE WAR-PPCT (W-SUB2) TO H-PPCT
                END-IF
                END-PERFORM
                   ELSE
                      MOVE  49  TO A-RETURN-CODE (LN-SUB)
                      GO TO 0150-INIT-EXIT
                 ELSE
                    MOVE  48  TO A-RETURN-CODE (LN-SUB)
                    GO TO 0150-INIT-EXIT
               ELSE
                  MOVE  47  TO A-RETURN-CODE (LN-SUB)
                  GO TO 0150-INIT-EXIT
             ELSE
                MOVE  46  TO A-RETURN-CODE (LN-SUB)
                GO TO 0150-INIT-EXIT
          ELSE
             MOVE  45  TO A-RETURN-CODE (LN-SUB)
             GO TO 0150-INIT-EXIT
        ELSE
           MOVE  43  TO A-RETURN-CODE (LN-SUB)
           GO TO 0150-INIT-EXIT.


       IF A-RETURN-CODE (LN-SUB) = 01
         PERFORM 0250-CALC-DISCOUNT
            THRU 0250-CALC-DISCOUNT-EXIT
       ELSE
          GO TO 0150-INIT-EXIT.
       IF A-RETURN-CODE (LN-SUB) =  01
          PERFORM 0300-COIN-DEDUCT
             THRU 0300-COIN-DEDUCT-EXIT.

   0150-INIT-EXIT.
      EXIT.

*************************************************************
*    SEARCH WAGE INDEX TABLE AND SELECT THE WAGE INDEX      *
*    WHEN EQUAL TO PROVIDER SPECIFIC WAGE INDEX             *
*    IF WAGE INDEX NOT LOCATED                              *
*       - SET CLAIM RETURN CODE TO '50'                     *
*       - DISCONTINUE CLAIM PROCESSING                      *
*    IF WAGE INDEX EQUALS ZERO                              *
*       - SET CLAIM RETURN CODE TO '51'                     *
*       - DISCONTINUE CLAIM PROCESSING                      *
*************************************************************
```

```
0200-CALC-WAGEINDX.

    MOVE WWD-MAX TO WWD-SUB.
    PERFORM UNTIL L-SERVICE-FROM-DATE NOT < WWD-DATE (WWD-SUB)
        SUBTRACT 1 FROM WWD-SUB
    END-PERFORM.

    SEARCH ALL WWM-ENTRY
       AT END
          MOVE  50  TO A-CLM-RTN-CODE
          GO TO 0200-CALC-WAGEINDX-EXIT
       WHEN WWM-MSA (WWM-INDX) = H-PSF-MSA
         MOVE WWM-PTR (WWM-INDX) TO W-SUB2
         PERFORM VARYING W-SUB2
            FROM W-SUB2 BY -1
            UNTIL W-SUB2 <= WWM-PTR (WWM-INDX - 1)
              IF WWW-DTCD (W-SUB2) NOT > WWD-DTCD (WWD-SUB)
                IF L-PSF-WGIDX-RECLASS = 'N'
                  MOVE WWW-WINX1 (W-SUB2) TO H-WINX1
                ELSE
                  MOVE WWW-WINX2 (W-SUB2) TO H-WINX1
                END-IF
              END-IF
         END-PERFORM.

    IF H-WINX1 = 0 THEN
       MOVE  51  TO A-CLM-RTN-CODE
                    A-RETURN-CODE (LN-SUB).

0200-CALC-WAGEINDX-EXIT.
    EXIT.

0220-CHNG-WAGEINDX.

    IF (L-PSF-PROV-OSCAR = '140012' OR '150002' OR '150004'
                       OR '150008' OR '150034' OR '150090'
                       OR '150125' OR '150128' OR '150132')
            AND (L-PSF-GEO-MSA = '1600'
            AND L-PSF-WI-MSA = '1600'
            AND L-PSF-WGIDX-RECLASS = 'Y')
       MOVE 01.0750 TO H-WINX1.

    IF (L-PSF-PROV-OSCAR = '250078')
            AND (L-PSF-GEO-MSA = '3285'
            AND L-PSF-WI-MSA = '3285'
            AND L-PSF-WGIDX-RECLASS = 'Y')
       MOVE 00.7634 TO H-WINX1.

    IF (L-PSF-PROV-OSCAR = '330001' OR '330126' OR '330135'
                       OR '330205' OR '330209' OR '330264')
            AND (L-PSF-GEO-MSA = '5600'
            AND L-PSF-WI-MSA = '5600'
            AND L-PSF-WGIDX-RECLASS = 'Y')
       MOVE 01.4342 TO H-WINX1.

    IF (L-PSF-PROV-OSCAR = '340039' OR '340129' OR '340144')
            AND (L-PSF-GEO-MSA = '1520'
```

```
              AND L-PSF-WI-MSA = '1520'
              AND L-PSF-WGIDX-RECLASS = 'Y')
           MOVE 00.9434 TO H-WINX1.

        IF (L-PSF-PROV-OSCAR = '360046' OR '360056' OR '360076'
                           OR '360132')
              AND (L-PSF-GEO-MSA = '1640'
              AND L-PSF-WI-MSA = '1640'
              AND L-PSF-WGIDX-RECLASS = 'Y')
           MOVE 00.9419 TO H-WINX1.

        IF (L-PSF-PROV-OSCAR = '390019' OR '390049' OR '390162'
                           OR '390194' OR '390197' OR '390263')
              AND (L-PSF-GEO-MSA = '0240'
              AND L-PSF-WI-MSA = '0240'
              AND L-PSF-WGIDX-RECLASS = 'Y')
           MOVE 01.0228 TO H-WINX1.

        IF (L-PSF-PROV-OSCAR = '450065' OR '450072' OR '450591')
              AND (L-PSF-GEO-MSA = '3360'
              AND L-PSF-WI-MSA = '3360'
              AND L-PSF-WGIDX-RECLASS = 'Y')
           MOVE 00.9388 TO H-WINX1.

        IF (L-PSF-PROV-OSCAR = '470003')
              AND (L-PSF-GEO-MSA = '1123'
              AND L-PSF-WI-MSA = '1123'
              AND L-PSF-WGIDX-RECLASS = 'Y')
           MOVE 01.1359 TO H-WINX1.

    0220-CHNG-WAGEINDX-EXIT.
        EXIT.

*****************************************************************
*    CALCULATE DISCOUNT FACTOR BASED ON THE DISCOUNT            *
*    INDICATOR PASSED BY THE OCE: VALUE 1 - 8                   *
*    IF MISSING OR INVALID DISCOUNT FACTOR                      *
*       - SET RETURN CODE TO '38'                               *
*         - DISCONTINUE LINE PROCESSING                         *
*****************************************************************
    0250-CALC-DISCOUNT.

        IF OPPS-DISC-FACT (LN-SUB) = 1 THEN
           MOVE 1 TO H-DISC-RATE
        ELSE
         IF OPPS-DISC-FACT (LN-SUB) = 2 THEN
            COMPUTE H-DISC-RATE = (1 + DISC-FRACTION  *
            (H-SRVC-UNITS - 1)) / H-SRVC-UNITS
         ELSE
          IF OPPS-DISC-FACT (LN-SUB) = 3 THEN
             COMPUTE H-DISC-RATE = TERM-PROC-DISC
                                 / H-SRVC-UNITS
          ELSE
           IF OPPS-DISC-FACT (LN-SUB) = 4 THEN
              COMPUTE H-DISC-RATE = (1 + DISC-FRACTION)
                                 / H-SRVC-UNITS
           ELSE
```

```
           IF OPPS-DISC-FACT (LN-SUB) = 5 THEN
              COMPUTE H-DISC-RATE = DISC-FRACTION
           ELSE
            IF OPPS-DISC-FACT (LN-SUB) = 6 THEN
               COMPUTE H-DISC-RATE = (TERM-PROC-DISC *
                  DISC-FRACTION) / H-SRVC-UNITS
            ELSE
             IF OPPS-DISC-FACT (LN-SUB) = 7 THEN
                COMPUTE H-DISC-RATE = (DISC-FRACTION *
                (1 + DISC-FRACTION) / H-SRVC-UNITS)
             ELSE
              IF OPPS-DISC-FACT (LN-SUB) = 8 THEN
                 COMPUTE H-DISC-RATE =
                  (2 / H-SRVC-UNITS)
              ELSE
               MOVE  38  TO A-RETURN-CODE (LN-SUB).

   0250-CALC-DISCOUNT-EXIT.
       EXIT.

*************************************************************
*    DETERMINE THE DEDUCTIBLE SEQUENCE. DEDUCTIBLE WILL BE    *
*    TAKEN FROM OPPS SERVICES FIRST, THEN FROM ANY OTHER      *
*    TYPES OF SERVICES FROM THE CLAIM.                        *
*       - SET POINTERS TO THE HIGHEST RANKED PERCENTAGE       *
*         (LARGEST NATIONAL UNADJUSTED COINSURANCE /          *
*          THE APC PAYMENT)                                   *
*       - MOVE ALL PRICING VARIABLES TO STAGING AREA          *
*************************************************************
   0300-COIN-DEDUCT.

       ADD 1 TO W-LNC-MAX.
       SET W-LP-INDX TO W-LNC-MAX.
       PERFORM 0350-STAGE-ENTRY
          THRU 0350-STAGE-ENTRY-EXIT
             UNTIL W-LP-INDX = 1 OR
               H-RANK NOT < W-RANK (W-LP-INDX - 1).
       MOVE LN-SUB TO W-LP-SUB (W-LP-INDX).
       MOVE H-NAT-COIN TO W-NAT-COIN (W-LP-INDX).
       MOVE H-MIN-COIN TO W-MIN-COIN (W-LP-INDX).
       MOVE H-APC-PYMT TO W-APC-PYMT (W-LP-INDX).
       MOVE H-WINX1    TO W-WINX1 (W-LP-INDX).
       MOVE H-RANK     TO W-RANK (W-LP-INDX).
       MOVE H-PPCT     TO W-PPCT (W-LP-INDX).
       IF OPPS-SRVC-IND (LN-SUB) = 'P' THEN
           MOVE 1 TO W-SRVC-UNITS (W-LP-INDX)
       ELSE
           MOVE H-SRVC-UNITS TO W-SRVC-UNITS (W-LP-INDX).
       IF OPPS-SRVC-IND (LN-SUB) NOT EQUAL 'T' THEN
           MOVE 1 TO W-DISC-RATE (W-LP-INDX)
       ELSE
           MOVE H-DISC-RATE TO W-DISC-RATE (W-LP-INDX).

       MOVE 0 TO W-RED-COIN (W-LP-INDX).
       PERFORM VARYING PS-SUB FROM 1 BY 1
        UNTIL PS-SUB > L-PSF-APC-LINE-CNT
        IF L-PSF-APC (PS-SUB) = OPPS-APC (LN-SUB)
```

```
          COMPUTE W-RED-COIN (W-LP-INDX) ROUNDED =
          L-PSF-RED-COIN (PS-SUB) * H-SRVC-UNITS * H-DISC-RATE
          MOVE 25 TO A-RETURN-CODE (LN-SUB)
          MOVE L-PSF-APC-LINE-CNT TO PS-SUB
        END-IF
       END-PERFORM.

   0300-COIN-DEDUCT-EXIT.
       EXIT.

   0350-STAGE-ENTRY.

       MOVE W-LP-ENTRY (W-LP-INDX - 1) TO
            W-LP-ENTRY (W-LP-INDX).
       SET W-LP-INDX DOWN BY 1.

   0350-STAGE-ENTRY-EXIT.
       EXIT.

*************************************************************
*    FIRST STEP IN DETERMINING A LINE ITEM PRICE.           *
*    CHECK ALL APPROPRIATE FLAGS AND INDICATORS PASSED      *
*    BY THE OCE.                                            *
*      - SET RETURN CODES TO INDICATE ERRORS OR STATUS      *
*        - '20' - LINE PROCESSED BUT PAYMENT = 0            *
*                 - BENE DEDUCTIBLE => ADJUSTED PAYMENT     *
*                                                           *
*************************************************************
   0400-CALCULATE.

       MOVE W-LP-SUB (W-LP-INDX) TO LN-SUB.
       IF A-RETURN-CODE (LN-SUB) >  25
          GO TO 0400-CALCULATE-EXIT.

       IF OPPS-PYMT-IND (LN-SUB) = '1' OR '5'
                         OR '6' OR '7' OR '8'
          PERFORM 0550-CALC-STANDARD
             THRU 0550-CALC-STANDARD-EXIT
       ELSE
          GO TO 0400-CALCULATE-EXIT.


       IF A-RETURN-CODE (LN-SUB) <  30
         COMPUTE A-TOTAL-CLM-DEDUCT =
                 H-TOTAL-LN-DEDUCT + A-TOTAL-CLM-DEDUCT
         COMPUTE H-TOT-PYMT = H-TOT-PYMT + H-LITEM-PYMT
         MOVE H-LITEM-PYMT TO A-LITEM-PYMT (LN-SUB)
         MOVE H-LITEM-REIM TO A-LITEM-REIM (LN-SUB)
         MOVE H-TOTAL-LN-DEDUCT TO A-TOTAL-LN-DEDUCT (LN-SUB)
         MOVE H-NAT-COIN TO A-ADJ-COIN (LN-SUB).
         MOVE H-RED-COIN TO A-RED-COIN (LN-SUB).
       MOVE ZERO TO LINE-HOLD-ITEMS.

   0400-CALCULATE-EXIT.
       EXIT.

*************************************************************
```

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* 1. APPLY DEDUCTIBLE TO HIGHEST NATIONAL COINSURANCE AMOUNT  *
*     - DESCENDING UNTIL DEDUCTIBLE = 0.                      *
* 2. CALCULATE THE STANDARD LINE PRICE                        *
*    (APC PAYMENT * WAGE INDEX * SERVICE UNITS                *
*          * DISCOUNT FACTOR)                                 *
*     - WAGE ADJUST 60% OF THE APC PAYMENT ONLY               *
* 3. ADD LINE PRICE TO OUTLIER HOLD AREA.                     *
*                                                             *
* 4. CALCULATE THE LINE PRICE FOR DESIGNATED DEVICES          *
*       AND DRUGS                                             *
***************************************************************
   0550-CALC-STANDARD.

       COMPUTE H-MAX-COIN ROUNDED = (776 *
          W-SRVC-UNITS (W-LP-INDX) * W-DISC-RATE (W-LP-INDX)).
       IF OPPS-SRVC-IND (LN-SUB) = 'S' OR 'V'
                 OR 'T' OR 'P' OR 'X' THEN
          COMPUTE H-LITEM-PYMT ROUNDED =
              (((W-APC-PYMT (W-LP-INDX) * .60) *
                      W-WINX1 (W-LP-INDX))
                          + (W-APC-PYMT (W-LP-INDX) * .40)) *
           W-SRVC-UNITS (W-LP-INDX) * W-DISC-RATE (W-LP-INDX)
           PERFORM 0560-CALC-BENE-DEDUCT
              THRU 0560-CALC-BENE-DEDUCT-EXIT
       ELSE
         IF OPPS-SRVC-IND (LN-SUB) = 'H' THEN
           IF OPPS-PYMT-IND (LN-SUB) = '6' THEN
             MOVE OPPS-SUB-CHRG (LN-SUB) TO H-SUB-CHRG
             COMPUTE H-LITEM-PYMT ROUNDED =
             (H-SUB-CHRG * L-PSF-OPCOST-RATIO) -
             (((W-APC-PYMT (W-LP-INDX) * .60) *
                     W-WINX1 (W-LP-INDX))
                       + (W-APC-PYMT (W-LP-INDX) * .40))
             PERFORM 0560-CALC-BENE-DEDUCT
                THRU 0560-CALC-BENE-DEDUCT-EXIT
           ELSE
             MOVE  44  TO A-RETURN-CODE (LN-SUB)
             GO TO 0550-CALC-STANDARD-EXIT
           END-IF
         ELSE
          IF OPPS-SRVC-IND (LN-SUB) = 'G' OR 'J' THEN
           IF OPPS-PYMT-IND (LN-SUB) = '5' OR '7' THEN
             COMPUTE H-LITEM-PYMT ROUNDED =
           (W-APC-PYMT (W-LP-INDX) * W-SRVC-UNITS (W-LP-INDX))
                       * W-DISC-RATE (W-LP-INDX)
            PERFORM 0560-CALC-BENE-DEDUCT
               THRU 0560-CALC-BENE-DEDUCT-EXIT
           ELSE
            MOVE  41  TO A-RETURN-CODE (LN-SUB)
            GO TO 0550-CALC-STANDARD-EXIT
           END-IF
          END-IF.

       IF H-LITEM-PYMT > 0
          COMPUTE H-LITEM-REIM ROUNDED =
          (H-LITEM-PYMT - H-TOTAL-LN-DEDUCT) *
                               W-PPCT (W-LP-INDX)
```

```
          COMPUTE H-NAT-COIN = H-LITEM-PYMT  -
                             H-TOTAL-LN-DEDUCT - H-LITEM-REIM.
       MOVE W-MIN-COIN (W-LP-INDX) TO  H-MIN-COIN.
       IF H-MIN-COIN > 0
         IF OPPS-APC (LN-SUB) = '0158' OR '0159'
           COMPUTE H-MIN-COIN ROUNDED = H-LITEM-PYMT * .25
         ELSE
           COMPUTE H-MIN-COIN ROUNDED = H-LITEM-PYMT * .2
         END-IF
       END-IF.

       MOVE W-RED-COIN (W-LP-INDX) TO H-RED-COIN.
       IF (H-RED-COIN  > 0 AND < H-MIN-COIN)
            MOVE H-MIN-COIN TO H-RED-COIN
       ELSE
          IF H-RED-COIN < H-NAT-COIN AND > H-MIN-COIN
             AND > H-MAX-COIN
             COMPUTE H-LITEM-REIM = H-LITEM-REIM +
                                  (H-RED-COIN - H-MAX-COIN)
          END-IF
       END-IF.

       IF H-NAT-COIN > H-MAX-COIN AND H-RED-COIN = 0 THEN
          COMPUTE H-LITEM-REIM = H-LITEM-REIM +
                                     (H-NAT-COIN - H-MAX-COIN)
          MOVE H-MAX-COIN TO H-NAT-COIN.

   0550-CALC-STANDARD-EXIT.
       EXIT.

   0560-CALC-BENE-DEDUCT.

       IF OPPS-PYMT-ADJ-FLAG (LN-SUB) = '4'
          GO TO 0560-CALC-BENE-DEDUCT-EXIT.
       IF H-BENE-DEDUCT > 0 THEN
         IF H-BENE-DEDUCT <= H-LITEM-PYMT THEN
           MOVE H-BENE-DEDUCT TO H-TOTAL-LN-DEDUCT
           MOVE 0 TO H-BENE-DEDUCT
         ELSE
            COMPUTE H-BENE-DEDUCT =
                    H-BENE-DEDUCT - H-LITEM-PYMT
            MOVE H-LITEM-PYMT TO H-TOTAL-LN-DEDUCT
            MOVE  20  TO A-RETURN-CODE (LN-SUB)
         END-IF
       END-IF.

   0560-CALC-BENE-DEDUCT-EXIT.
       EXIT.

*****************************************************************
* 1. CALCULATE CLAIM LEVEL OUTLIER AMOUNT                       *
*****************************************************************
   0900-END-PRICE-RTN.

       MOVE H-TOT-CHRG TO A-TOT-CLM-CHRG.
       MOVE H-TOT-PYMT TO A-TOT-CLM-PYMT.
       COMPUTE H-OUTLIER-PYMT ROUNDED = ((H-TOT-CHRG *
```

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         L-PSF-OPCOST-RATIO) - (2.5 * H-TOT-PYMT)) * .75.
    IF H-OUTLIER-PYMT > 0
       MOVE H-OUTLIER-PYMT TO A-OUTLIER-PYMT.

0900-END-PRICE-RTN-EXIT.
    EXIT.
```