```
1   -- ################################################################
2   -- program: P_ID_LATE_CLAIMS.PRC
3   -- function: update RVHS records of claims reported more than 18 months
4   --          after policy inception
5   --
6   -- project.task    DATE          tech.     action
7   -- ------------    -----------   -----     --------------------------
8   -- PLI32502.16006  20-NOV-2009   JPC       INITIAL CREATION
9   --
10  --
11  -- ################################################################
12
13  CREATE OR REPLACE
14  PROCEDURE P_ID_LATE_CLAIMS
15      (
16          WS_RPT_IN IN DATE)
17  AS
18      WS_POLICY   RVHS.RVHS_GB_POL_NUMBER%TYPE;
19      WS_STATE    RVHS.RVHS_GB_STATE   %TYPE;
20      WS_STATENO  STAT.STAT_GB_STATE_NO %TYPE;
21      WS_CLAIM    RVHS.RVHS_CL_CLAIMN_NO%TYPE;
22      WS_RVHSID   RVHS.RVHS_CL_NO %TYPE;
23      WS_CURRSEQ  NUMBER;
24      WS_LASTRPTSEQ NUMBER;
25      WS_POLEFF   RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
26      WS_RPTDATE  RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
27      WS_FIRST    RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
28      WS_LAST     RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
29      WS_NEXT     RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
30      WS_USDATE   RVHS.RVHS_GB_POLY_EFF_DATE%TYPE;
31      --
32      CURSOR LATE_CLAIMS
33      IS
34          SELECT DISTINCT RVHS_GB_POL_NUMBER                      AS
            POLICY      ,
35              RVHS_GB_STATE                           AS STATE     ,
36              STAT_GB_STATE_NO                        AS STATE_NO   ,
37              RVHS_CL_CLAIMN_NO                       AS CLAIM      ,
38              RVHS_CL_NO                              AS RVHS_ID    ,
39              '1'                                     AS CURRENT_SEQ_NO ,
40              '2'                                     AS LAST_REPORT_SEQNO,
41              TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')        AS
                POLEFF      ,
42              TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')          AS
                HORTICA     ,
43              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
                'DD-MON-YYYY') AS FRST_RPT    ,
44              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 30),
                'DD-MON-YYYY') AS LAST_RPT    ,
45              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 42),
                'DD-MON-YYYY') AS NXT_RPT     ,
46              WS_RPTDATE                              AS ENTRY_DTE
47          FROM RESV_HIST RVHS,
48              STATE STAT
49          WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE),
                1) BETWEEN (30) AND (41)
```

```
50              AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
51              AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
52              AND RVHS_CL_UNIT_STATS_DATE    IS NULL
53              AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
54              AND RVHS_GB_STATE             = STAT_GB_ALPHA_STATE
55         UNION
56      SELECT DISTINCT RVHS_GB_POL_NUMBER                          AS
        POLICY          ,
57              RVHS_GB_STATE                           AS STATE        ,
58              STAT_GB_STATE_NO                          AS STATE_NO     ,
59              RVHS_CL_CLAIMN_NO                         AS CLAIM        ,
60              RVHS_CL_NO                            AS RVHS_ID      ,
61              '1'                             AS CURRENT_SEQ_NO  ,
62              '3'                             AS LAST_REPORT_SEQNO,
63              TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')             AS
                POLEFF         ,
64              TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')              AS
                HORTICA        ,
65              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
                'DD-MON-YYYY') AS FRST_RPT       ,
66              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 42),
                'DD-MON-YYYY') AS LAST_RPT       ,
67              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 54),
                'DD-MON-YYYY') AS NXT_RPT        ,
68              WS_RPT_IN                          AS ENTRY_DTE
69          FROM RESV_HIST RVHS,
70              STATE STAT
71         WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
           BETWEEN (42) AND (53)
72              AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
73              AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
74              AND RVHS_CL_UNIT_STATS_DATE    IS NULL
75              AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
76              AND RVHS_GB_STATE             = STAT_GB_ALPHA_STATE
77         UNION
78      SELECT DISTINCT RVHS_GB_POL_NUMBER                          AS
        POLICY          ,
79              RVHS_GB_STATE                           AS STATE        ,
80              STAT_GB_STATE_NO                          AS STATE_NO     ,
81              RVHS_CL_CLAIMN_NO                         AS CLAIM        ,
82              RVHS_CL_NO                            AS RVHS_ID      ,
83              '1'                             AS CURRENT_SEQ_NO  ,
84              '4'                             AS LAST_REPORT_SEQNO,
85              TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')             AS
                POLEFF         ,
86              TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')              AS
                HORTICA        ,
87              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
                'DD-MON-YYYY') AS FRST_RPT       ,
88              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 54),
                'DD-MON-YYYY') AS LAST_RPT       ,
89              TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 66),
                'DD-MON-YYYY') AS NXT_RPT        ,
90              WS_RPT_IN                          AS ENTRY_DTE
91          FROM RESV_HIST RVHS,
92              STATE STAT
```

```sql
 93      WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
         BETWEEN (54) AND (65)
 94          AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
 95          AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
 96          AND RVHS_CL_UNIT_STATS_DATE    IS NULL
 97          AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
 98          AND RVHS_GB_STATE           = STAT_GB_ALPHA_STATE
 99       UNION
100     SELECT DISTINCT RVHS_GB_POL_NUMBER                         AS
        POLICY         ,
101          RVHS_GB_STATE                              AS STATE        ,
102          STAT_GB_STATE_NO                            AS STATE_NO     ,
103          RVHS_CL_CLAIMN_NO                           AS CLAIM        ,
104          RVHS_CL_NO                           AS RVHS_ID      ,
105          '1'                                AS CURRENT_SEQ_NO  ,
106          '5'                                AS LAST_REPORT_SEQNO,
107          TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')           AS
             POLEFF       ,
108          TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')            AS
             HORTICA       ,
109          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
             'DD-MON-YYYY') AS FRST_RPT      ,
110          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 66),
             'DD-MON-YYYY') AS LAST_RPT      ,
111          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 78),
             'DD-MON-YYYY') AS NXT_RPT      ,
112          WS_RPT_IN                         AS ENTRY_DTE
113       FROM RESV_HIST RVHS,
114          STATE STAT
115       WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
          BETWEEN (66) AND (77)
116          AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
117          AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
118          AND RVHS_CL_UNIT_STATS_DATE    IS NULL
119          AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
120          AND RVHS_GB_STATE           = STAT_GB_ALPHA_STATE
121       UNION
122     SELECT DISTINCT RVHS_GB_POL_NUMBER                         AS
        POLICY         ,
123          RVHS_GB_STATE                              AS STATE        ,
124          STAT_GB_STATE_NO                            AS STATE_NO     ,
125          RVHS_CL_CLAIMN_NO                           AS CLAIM        ,
126          RVHS_CL_NO                           AS RVHS_ID      ,
127          '1'                                AS CURRENT_SEQ_NO  ,
128          '6'                                AS LAST_REPORT_SEQNO,
129          TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')           AS
             POLEFF       ,
130          TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')            AS
             HORTICA       ,
131          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
             'DD-MON-YYYY') AS FRST_RPT      ,
132          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 78),
             'DD-MON-YYYY') AS LAST_RPT      ,
133          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 90),
             'DD-MON-YYYY') AS NXT_RPT      ,
134          WS_RPT_IN                         AS ENTRY_DTE
```

```sql
135        FROM RESV_HIST RVHS,
136            STATE STAT
137      WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
           BETWEEN (78) AND (89)
138          AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
139          AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
140          AND RVHS_CL_UNIT_STATS_DATE    IS NULL
141          AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
142          AND RVHS_GB_STATE              = STAT_GB_ALPHA_STATE
143      UNION
144     SELECT DISTINCT RVHS_GB_POL_NUMBER                         AS
        POLICY       ,
145          RVHS_GB_STATE                              AS STATE       ,
146          STAT_GB_STATE_NO                           AS STATE_NO    ,
147          RVHS_CL_CLAIMN_NO                          AS CLAIM       ,
148          RVHS_CL_NO                             AS RVHS_ID     ,
149          '1'                                AS CURRENT_SEQ_NO ,
150          '7'                                AS LAST_REPORT_SEQNO,
151          TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')              AS
             POLEFF       ,
152          TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')             AS
             HORTICA      ,
153          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
             'DD-MON-YYYY') AS FRST_RPT     ,
154          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 90),
             'DD-MON-YYYY') AS LAST_RPT     ,
155          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 102),
             'DD-MON-YYYY') AS NXT_RPT     ,
156          WS_RPT_IN                            AS ENTRY_DTE
157       FROM RESV_HIST RVHS,
158            STATE STAT
159      WHERE TRUNC (MONTHS_BETWEEN (SYSDATE, RVHS_GB_POLY_EFF_DATE), 1)
           BETWEEN (90) AND (101)
160          AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
161          AND RVHS_GB_POLY_EFF_DATE      > '01-JAN-1997'
162          AND RVHS_CL_UNIT_STATS_DATE    IS NULL
163          AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
164          AND RVHS_GB_STATE              = STAT_GB_ALPHA_STATE
165      UNION
166     SELECT DISTINCT RVHS_GB_POL_NUMBER                         AS
        POLICY       ,
167          RVHS_GB_STATE                              AS STATE       ,
168          STAT_GB_STATE_NO                           AS STATE_NO    ,
169          RVHS_CL_CLAIMN_NO                          AS CLAIM       ,
170          RVHS_CL_NO                             AS RVHS_ID     ,
171          '1'                                AS CURRENT_SEQ_NO ,
172          '8'                                AS LAST_REPORT_SEQNO,
173          TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')              AS
             POLEFF       ,
174          TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')             AS
             HORTICA      ,
175          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
             'DD-MON-YYYY') AS FRST_RPT     ,
176          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 102),
             'DD-MON-YYYY') AS LAST_RPT     ,
177          TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 114),
```

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                          'DD-MON-YYYY') AS NXT_RPT        ,
178          WS_RPT_IN                                    AS ENTRY_DTE
179      FROM RESV_HIST RVHS,
180          STATE STAT
181     WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
            BETWEEN (102) AND (113)
182         AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
183         AND RVHS_GB_POLY_EFF_DATE       > '01-JAN-1997'
184         AND RVHS_CL_UNIT_STATS_DATE     IS NULL
185         AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
186         AND RVHS_GB_STATE          = STAT_GB_ALPHA_STATE
187     UNION
188     SELECT DISTINCT RVHS_GB_POL_NUMBER                       AS
        POLICY       ,
189         RVHS_GB_STATE                              AS STATE        ,
190         STAT_GB_STATE_NO                           AS STATE_NO     ,
191         RVHS_CL_CLAIMN_NO                          AS CLAIM        ,
192         RVHS_CL_NO                              AS RVHS_ID       ,
193         '1'                                 AS CURRENT_SEQ_NO  ,
194         '9'                                 AS LAST_REPORT_SEQNO,
195         TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')              AS
            POLEFF      ,
196         TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')              AS
            HORTICA      ,
197         TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
            'DD-MON-YYYY') AS FRST_RPT       ,
198         TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 114),
            'DD-MON-YYYY') AS LAST_RPT       ,
199         TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 126),
            'DD-MON-YYYY') AS NXT_RPT        ,
200         WS_RPT_IN                                    AS ENTRY_DTE
201      FROM RESV_HIST RVHS,
202          STATE STAT
203     WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
            BETWEEN (114) AND (125)
204         AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
205         AND RVHS_GB_POLY_EFF_DATE       > '01-JAN-1997'
206         AND RVHS_CL_UNIT_STATS_DATE     IS NULL
207         AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
208         AND RVHS_GB_STATE          = STAT_GB_ALPHA_STATE
209     UNION
210     SELECT DISTINCT RVHS_GB_POL_NUMBER                       AS
        POLICY       ,
211         RVHS_GB_STATE                              AS STATE        ,
212         STAT_GB_STATE_NO                           AS STATE_NO     ,
213         RVHS_CL_CLAIMN_NO                          AS CLAIM        ,
214         RVHS_CL_NO                              AS RVHS_ID       ,
215         '1'                                 AS CURRENT_SEQ_NO  ,
216         '10'                                AS LAST_REPORT_SEQNO,
217         TO_CHAR (RVHS_GB_POLY_EFF_DATE, 'DD-MON-YYYY')              AS
            POLEFF      ,
218         TO_CHAR (RVHS_CL_REPORT_DATE, 'DD-MON-YYYY')              AS
            HORTICA      ,
219         TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 18),
            'DD-MON-YYYY') AS FRST_RPT       ,
220         TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 126),
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                    'DD-MON-YYYY') AS LAST_RPT        ,
221             TO_CHAR (ADD_MONTHS (LAST_DAY (RVHS_GB_POLY_EFF_DATE), 138),
                    'DD-MON-YYYY') AS NXT_RPT       ,
222             WS_RPT_IN                               AS ENTRY_DTE
223         FROM RESV_HIST RVHS,
224             STATE STAT
225        WHERE TRUNC (MONTHS_BETWEEN (WS_RPT_IN, RVHS_GB_POLY_EFF_DATE), 1)
           BETWEEN (126) AND (137)
226             AND RVHS_CL_REPORT_DATE        > RVHS_GB_POLY_EXP_DATE
227             AND RVHS_GB_POLY_EFF_DATE       > '01-JAN-1997'
228             AND RVHS_CL_UNIT_STATS_DATE     IS NULL
229             AND SUBSTR (RVHS_CL_CLAIMN_NO, 1, 1) = 'W'
230             AND RVHS_GB_STATE            = STAT_GB_ALPHA_STATE ;
231         --
232  BEGIN
233      FOR C1REC IN LATE_CLAIMS
234      LOOP
235          WS_POLICY   := C1REC.POLICY ;
236          WS_STATE    := C1REC.STATE ;
237          WS_STATENO  := C1REC.STATE_NO ;
238          WS_CLAIM    := C1REC.CLAIM ;
239          WS_RVHSID   := C1REC.RVHS_ID ;
240          WS_CURRSEQ  := C1REC.CURRENT_SEQ_NO ;
241          WS_LASTRPTSEQ := C1REC.LAST_REPORT_SEQNO ;
242          WS_POLEFF   := C1REC.POLEFF ;
243          WS_RPTDATE  := C1REC.HORTICA ;
244          WS_FIRST    := C1REC.FRST_RPT ;
245          WS_LAST     := C1REC.LAST_RPT ;
246          WS_NEXT     := C1REC.NXT_RPT ;
247          WS_USDATE   := C1REC.ENTRY_DTE ;
248          --
249          IF WS_LAST = WS_USDATE THEN
250              UPDATE RESV_HIST
251              SET RVHS_CL_UNIT_STATS_DATE = WS_USDATE
252               WHERE RVHS_CL_NO      = WS_RVHSID;
253              COMMIT;
254          END IF;
255          --
256      END LOOP;
257  END;
258  /
```