

Anhang F

ABAP/4-Beispiel-Programme

62 SAP Schulungsprogramme umfassen die ABAP/4-Beispiel-Auswahl. Der jeweilige Programmtext der Beispiel-Programme ist im folgenden abgedruckt.

In den Untersuchungen dieser Diplomarbeit sind die Programme nur mit ihrem intern vergebenen Namen aufgeführt. Das Listing der Beispiel-Auswahl enthält sowie den internen Namen und den SAP-Reportnamen.

In bezug auf das Original-Programm wurden einige Beispiele verändert. Diese kennzeichnen sich durch einen Stern (*) im Namen aus.

Programm S-UM-001 (RFSCHU04)

```
0010  REPORT RFSCHU04.

0020  SEGMENTS: KA, KB, KC.

0030  GET KA.
0040    WRITE: KTNRA, NAME1, PLORT, LAND1.

0050  GET KB.
0060    WRITE: 10 BUKRB, AKONT, BEGRU.

0070  GET KC.
0080    WRITE: 13 JAHRC, KUMUM.
```

Programm S-UM-002 (RFSCHU07)

```
0010  REPORT RFSCHU07.

0020  SEGMENTS: KA.

0030  START-OF-SELECTION.
0040    WRITE TEXT-001.

0050  TOP-OF-PAGE.
0060    WRITE TEXT-002.

0070  GET KA.
0080    DETAIL.
0090    WRITE: KTNRA, NAME1, PLORT, LAND1.

0100  END-OF-PAGE.
0110    WRITE TEXT-003.

0120  END-OF-SELECTION.
0130    WRITE TEXT-004.
```

Programm S-UM-003 (RFSCHU30*)

```
0010  REPORT RFSCHU30.
0020  SEGMENTS: KA, KB.

0030  DATA: Y1 LIKE SY-CUROW,
0040           Y2 LIKE SY-CUROW.

0050  GET KB.
0060      FORMAT INTENSIFIED OFF.
0070      WRITE: KA-KTNRA USING NO EDIT MASK,
0080              KB-BUKRB,
0090              KA-NAME1,
0100              KA-ORT01,
0110              KA-LAND1.
0120      HIDE: KA-KTNRA,
0130              KB-KTNRB,
0140              KB-BUKRB.

0150  END-OF-SELECTION.
0160      SET PF-STATUS 'BEG'.

0170  AT PF14.
0180      Y1 = SY-CUROW.
0190      Y2 = Y1 + 7.
0200      WINDOW STARTING AT 1 Y1
0210              ENDING AT 79 Y2.
0220      READ SEGMENT KA.
0230      ULINE.
0240      WRITE: KA-KTNRA USING NO EDIT MASK,
0250              KB-BUKRB,
0260              KA-NAME1,
0270              KA-ORT01,
0280              KA-LAND1.
0290      ULINE.
0300      WRITE: / 'Bankkonto:      '(001), 18 KA-BANKN,
0310              / 'Bankleitzahl:   '(002), 18 KA-BANKL,
0320              / 'Bankanschrift:  '(003), 18 KA-BANKA,
0330              / 'Postscheckkonto:'(004), 18 KA-PSKTO.
0340      ULINE.
```

Fortsetzung Programm S-UM-003 (RFSCHU30*)

```
0350  AT PF15.
0360      WINDOW STARTING AT 46 10
0370          ENDING AT 77 15
0380          WITH FRAME.
0390      READ SEGMENT: KA, KB.
0400      WRITE:    KA-KTNRA USING NO EDIT MASK,
0410          10 KA-NAME1.
0420      ULINE.
0430      WRITE: / 'Bestellwert'(011),
0440          SY-DATUM+2(2),
0450          15 ':',
0460          18 KB-BJWRT,
0470          / '... im Vorjahr:'(012),18 KB-BVWRT,
0480          / 'Einkaufsgruppe:'(013),18 KB-EKGRP,
0490          / 'Gesamtumsatz: '(014),18 KB-UMSAZ.
0500  AT PF16.
0510      Y1 = SY-CUROW.
0520      Y2 = Y1 + 6.
0530      WINDOW STARTING AT 20 Y1
0540          ENDING AT 61 Y2
0550          WITH FRAME
0560          TITLE 'Konditionen'(026).
0570      READ SEGMENT: KA, KB.
0580      WRITE: KA-KTNRA USING NO EDIT MASK,
0590          KA-NAME1.
0600      ULINE.
0610      WRITE: / 'Zahlungskonditionen: '(021), 22 KB-ZTERM,
0620          / 'Wechselkonditionen:'(022), 22 KB-WKOND,
0630          / 'Zahlungsarten: '(023), 22 KB-ZAHLA,
0640          / 'Zahlungsschlüssel:'(024), 22 KB-ZLSCH,
0650          / 'Vermerk: '(025), 22 KB-KVERM.
0660  AT LINE-SELECTION.
0670      WINDOW STARTING AT 01 16
0680          ENDING AT 79 23
0690          WITH FRAME.
0700      READ SEGMENT: KA.
0710      WRITE: / KTNRA USING NO EDIT MASK,
0720          KA-NAME1,
0730          / KA-NAME2 UNDER NAME1,
0740          / KA-STRAS UNDER NAME1,
0750          / KA-ORT01 UNDER NAME1.
```

Programm S-UM-004 (RMSCHU11)

```
0010  REPORT RMSCHU11.

0020  DATA: ERGEBNIS TYPE P,
0030          P1 TYPE P VALUE 1,
0040          P2 TYPE P VALUE 3,
0050          P3 TYPE P VALUE 7,
0060          P4 TYPE P VALUE 20.

0070  PARAMETERS:
0080      ERSDA LIKE SY-DATUM.

0090  INITIALIZATION.
0100      ERSDA = SY-DATUM - 90.

0110  START-OF-SELECTION.
0120      DETAIL.

0130      ERGEBNIS = P1 * P2 * P3 * P4.
0140      WRITE: / '1 * 3 * 7 * 20 =',
0150              30(6) ERGEBNIS.

0160      ERGEBNIS = SY-DATUM - ERSDA.
0170      WRITE: / SY-DATUM DD/MM/YY,
0180              '- ',
0190              ERSDA DD/MM/YY,
0200              '= ',
0210              30(6) ERGEBNIS.

0220      WRITE: / (6) ERGEBNIS,
0230              '* 113 / 7 ='.
0240              ERGEBNIS = ERGEBNIS * 113 / 7.
0250      WRITE: 30(6) ERGEBNIS.

0260      WRITE: / '(',
0270              (6) ERGEBNIS,
0280              '- 80 ) * 17 ='.
0290              ERGEBNIS = ( ERGEBNIS - 80 ) * 17.
0300      WRITE: 30(6) ERGEBNIS.

0310      SUMMARY. ULINE.
```

Programm S-UM-005 (RMSCHU21)

```
0010  REPORT RMSCHU21.

0020  DATA: C1(1) TYPE C,
0030           C8(8) TYPE C,
0040           C6(6) TYPE C,
0050           P8(8) TYPE P,
0060           X1(1) TYPE X,
0070           X4(4) TYPE X,
0080           D1 TYPE 1,
0090           D2 TYPE 2.

0100  START-OF-SELECTION.
0110      C1 = 'A'.
0120      MOVE C1 TO C8.
0130      WRITE: /1 'C', 5 '1 ', 10 C1, 41 'C', 45 '8 ', 60 C8.

0140      C8 = 'ABCDEFGH'.
0150      MOVE C8 TO C1.
0160      WRITE: /1 'C', 5 '8 ', 10 C8, 41 'C', 45 '1 ', 60 C1.

0170      C8 = '-5380'.
0180      MOVE C8 TO P8.
0190      WRITE: /1 'C', 5 '8 ', 10 C8, 41 'P', 45 '8 ', 60 P8.

0200      C8 = '15'.
0210      MOVE C8 TO X1.
0220      WRITE: /1 'C', 5 '8 ', 10 C8, 41 'X', 45 '1 ', 60 X1.

0230      C8 = '-5380'.
0240      MOVE C8 TO X4.
0250      WRITE: /1 'C', 5 '8 ', 10 C8, 41 'X', 45 '4 ', 60 X4.

0260      C6 = '121084'.
0270      MOVE C6 TO D1.
0280      WRITE: /1 'C', 5 '6 ', 10 C6, 41 '1', 45 '6 ', 60 D1.

0290      C6 = '121084'.
0300      MOVE C6 TO D2.
0310      WRITE: /1 'C', 5 '6 ', 10 C6, 41 '2', 45 '6 ', 60 D2.
```

Fortsetzung Programm S-UM-005 (RMSCHU21)

```
0320      P8 = 30250.
0330      MOVE P8 TO C8.
0340      WRITE: /1 'P', 5 '8 ', 10 P8, 41 'C', 45 '8 ', 60 C8.

0350      P8 = 30250.
0360      MOVE P8 TO X4.
0370      WRITE: /1 'P', 5 '8 ', 10 P8, 41 'X', 45 '4 ', 60 X4.

0380      P8 = 30250.
0390      MOVE P8 TO X1.
0400      WRITE: /1 'P', 5 '8 ', 10 P8, 41 'X', 45 '1 ', 60 X1.

0410      P8 = 30250.
0420      MOVE P8 TO D1.
0430      WRITE: /1 'P', 5 '8 ', 10 P8, 41 '1', 45 '6 ', 60 D1.

0440      X1 = 15.
0450      MOVE X1 TO X4.
0460      WRITE: /1 'X', 5 '1 ', 10 X1, 41 'X', 45 '4 ', 60 X4.

0470      P8 = 30250.
0480      MOVE P8 TO D2.
0490      WRITE: /1 'P', 5 '8 ', 10 P8, 41 '2', 45 '6 ', 60 D2.

0500      D1 = '121084'.
0510      MOVE D1 TO P8.
0520      WRITE: /1 '1', 5 '6 ', 10 D1, 41 'P', 45 '8 ', 60 P8.

0530      D1 = '121084'.
0540      MOVE D1 TO X4.
0550      WRITE: /1 '1', 5 '6 ', 10 D1, 41 'X', 45 '4 ', 60 X4.

0560      D1 = '121084'.
0570      MOVE D1 TO D2.
0580      WRITE: /1 '1', 5 '6 ', 10 D1, 41 '2', 45 '6 ', 60 D2.
```

Programm S-UM-006 (RFSCHU06)

```
0010  REPORT RFSCHU06.

0020  SEGMENTS: KA, KB, KC.

0030  GET KA.
0040      WRITE: SPACE INPUT,
0050              KTNRA BLINKING USING NO EDIT MASK.
0060      FORMAT INTENSIFIED OFF.
0070      WRITE: NAME1 UNDERSCORED, PLOTT INVERSE.

0080  GET KC.
0090      DETAIL.
0100      WRITE: 10 KB-BUKRB, JAHRC, KUMUM INTENSIFIED.

0110  GET KA LATE.
0120      ULINE.
```

Programm S-UM-007 (RFSCHU11)

```
0010  REPORT RFSCHU11.

0020  DATA: P1 TYPE P VALUE 2,
0030          P2 TYPE P VALUE 3,
0040          D1 TYPE P DECIMALS 2 VALUE '1.11',
0050          D2 TYPE P DECIMALS 2 VALUE '2.22',
0060          XTYPE P,
0070          YTYPE P DECIMALS 2,
0080          DAT TYPE 1 VALUE '240491'.

0090  WRITE: 50 'P1 = 2D1 = 1,11',
0100          /50 'P2 = 3D2 = 2,11'.

0110  X = P1 + P2.
0120  WRITE: / 'X = P1 + P2', 30(6) X.

0130  X = P1 - P2.
0140  WRITE: / 'X = P1 - P2', 30(6) X.

0150  X = P1 * P2.
0160  WRITE: / 'X = P1 * P2', 30(6) X.
```


Fortsetzung Programm S-UM-007 (RFSCHU11)

```
0170  X = P1 / P2.
0180  WRITE: / 'X = P1 / P2', 30(6) X.
0190  WRITE: / 'Feld X ist o h n e
0200          Nachkommastellen definiert!'.
0210  ULINE.

0220  Y = D1 + D2.
0230  WRITE: / 'Y = D1 + D2', 30(6) Y.

0240  Y = D1 - D2.
0250  WRITE: / 'Y = D1 - D2', 30(6) Y.

0260  Y = D1 * D2.
0270  WRITE: / 'Y = D1 * D2', 30(6) Y.

0280  Y = P1 / P2.
0290  WRITE: / 'Y = P1 / P2', 30(6) Y.
0300  WRITE: / 'Feld Y ist m i t (2)
0310          Nachkommastellen definiert!',
0320          / '( bei Attributen ist
0330          Festpunktarithmetik angekreuzt )'.
0340  ULINE.

0350  Y = P1 + P2 / 5.
0360  WRITE: / 'P1 + P2 / 5', 30(6) Y.

0370  Y = ( P1 + P2 ) / 5.
0380  WRITE: / '( P1 + P2 ) / 5',30(6) Y.
0390  ULINE.

0400  WRITE: 50 'SY-DATUM = 100591',
0410          /50 'DAT= 240491'.

0420  X = SY-DATUM - DAT.
0430  WRITE: / 'X = SY-DATUM - DAT', 30(6) X.
```

Programm S-UM-008 (RFSCHU17)

```
0010  REPORT RFSCHU17.

0020  SEGMENTS: KB.

0030  GET KB.
0040  NEW-PAGE.
0050  WRITE: / 'SY-MANDT', SY-MANDT.
0060  WRITE: / 'SY-UNAME', SY-UNAME.
0070  WRITE: / 'SY-LANGU', SY-LANGU.
0080  WRITE: / 'SY-DATUM', SY-DATUM.
0090  WRITE: / 'SY-UZEIT', SY-UZEIT.
0100  WRITE: / 'SY-BATCH', SY-BATCH.
0110  WRITE: / 'SY-DBNAM', SY-DBNAM.
0120  WRITE: / 'SY-SUBRC', SY-SUBRC.
0130  WRITE: / 'SY-PAGNO', SY-PAGNO.
0140  WRITE: / 'SY-CPAGE', SY-CPAGE.
0150  WRITE: / 'SY-TITLE', SY-TITLE.
0160  SKIP.
0170  WRITE: / 'SY-WAERS', SY-WAERS.
```

Programm S-UM-009 (RFSCHU34)

```
0010  REPORT RFSCHU34.

0020  SEGMENTS:   KA.
0030  PARAMETERS: NAME(12) DEFAULT SY-UNAME.
0040  DYNPROS:     D00001, D02041, D02060.

0050  START-OF-SELECTION.
0060      MOVE: SY-MANDT TO D00001-MANDT,
0070              NAME    TO D00001-BNAME,
0080              SY-UZEIT TO D00001-BNAME+6,
0090              'PASS'  TO D00001-BCODE,
0100              SY-LANGU TO D00001-SPRAS.
0110      TRANSFER-DYNPRO D00001.

0120  GET KA.
0130      MOVE: 'S'          TO D02041-SP,
0140              'TS02'      TO D02041-TC,
0150              KA-KTNRA    TO D02041-KTNRA,
0160              '01'        TO D02041-VCODE.
0170      TRANSFER-DYNPRO D02041.

0180      MOVE: '01'        TO D02060-REGIO.
0190      TRANSFER-DYNPRO D02060.

0200      WRITE: KA-KTNRA USING NO EDIT MASK,
0210              KA-NAME1, KA-PLORT, KA-LAND1.
```

Programm S-UM-010 (RFSCHU18*)

```
0010  REPORT RFSCHU18.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: PSALDO TYPE P,
0040           MSALDO TYPE P.
0050  TABLES T001.

0050  GET KB.
0060      SELECT SINGLE * FROM T001
0070              WHERE BUKRS EQ KB-BUKRB.

0080  GET KC.
0090      NEW-PAGE.
0100      WRITE: KA-KTNRA, KA-NAME1, 48 T001-TEXT, KC-JAHRC,
0110              /10 KA-NAME2, /10 KA-ORT01.
0120      ULINE. DETAIL.
0130      PSALDO = KC-UMSAV.

0140      MSALDO = KC-UM01S - KC-UM01H.
0150      PSALDO = PSALDO + MSALDO.
0160      WRITE: /01 '01',
0170              08 KC-UM01S CURRENCY LOCAL,
0180              27 KC-UM01H CURRENCY LOCAL,
0190              45 MSALDO CURRENCY LOCAL,
0200              64 PSALDO CURRENCY LOCAL.

0210      MSALDO = KC-UM02S - KC-UM02H.
0220      PSALDO = PSALDO + MSALDO.
0230      WRITE: /01 '02',
0240              08 KC-UM02S CURRENCY LOCAL,
0250              27 KC-UM02H CURRENCY LOCAL,
0260              45 MSALDO CURRENCY LOCAL,
0270              64 PSALDO CURRENCY LOCAL.

0280      MSALDO = KC-UM03S - KC-UM03H.
0290      PSALDO = PSALDO + MSALDO.
0300      WRITE: /01 '03',
0310              08 KC-UM03S CURRENCY LOCAL,
0320              27 KC-UM03H CURRENCY LOCAL,
0330              45 MSALDO CURRENCY LOCAL,
0340              64 PSALDO CURRENCY LOCAL.

0350      SUMMARY. ULINE.
```

Programm S-UM-011 (RMSCHU18*)

```
0010  REPORT RMSCHU18.

0020  SEGMENTS: KA, KB, KC.

0030  GET KC.
0040    NEW-PAGE.
0050    KUMUM = KUMUM * -1.
0060    WRITE:          BUKRB,
0070                  KTNRA,
0080                  16    JAHRC,
0090                  27    NAME1,
0100                  / 27    PLORT,
0110                  59(15) KUMUM.
0120    ULINE.
0130    WRITE: /      TEXT-001,
0140                  40 TEXT-002,
0150                  61 TEXT-003.
0160    ULINE.

0170    WRITE: /      '01',
0180                  37(15) UM01S,
0190                  59(15) UM01H.

0200    WRITE: /      '02',
0210                  37(15) UM02S,
0220                  59(15) UM02H.

0230    WRITE: /      '03',
0240                  37(15) UM03S,
0250                  59(15) UM03H.

0260    WRITE: /      '04',
0270                  37(15) UM04S,
0280                  59(15) UM04H.

0290    WRITE: /      '05',
0300                  37(15) UM05S,
0310                  59(15) UM05H.

0320    WRITE: /      '06',
0330                  37(15) UM06S,
0340                  59(15) UM06H.
```

Programm S-M-001 (RFSCHU18*)

```
0010  REPORT RFSCHU18.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: PSALDO TYPE P,
0040  TABLES T001.

0050  GET KB.
0060      SELECT SINGLE * FROM T001
0070                      WHERE BUKRS EQ KB-BUKRB.

0080  GET KC.
0090      NEW-PAGE.
0100      WRITE: KA-KTNRA, KA-NAME1, 48 T001-TEXT, KC-JAHRC,
0110              /10 KA-NAME2, /10 KA-ORT01.
0120      ULINE. DETAIL.
0130      PSALDO = KC-UMSAV.

0140      PERFORM UMSAETZE USING: KC-UM01S KC-UM01H '01',
0150                              KC-UM02S KC-UM02H '02',
0160                              KC-UM03S KC-UM03H '03'.

0170      SUMMARY. ULINE.

0180  * ----- FORM UMSAETZE ----- *
0190  FORM UMSAETZE USING UMS UMH TXT.
0200      DATA: MSALDO TYPE P.

0210      MSALDO = UMS - UMH. PSALDO = PSALDO + MSALDO.
0220      WRITE: /01 TXT,
0230              08 UMS CURRENCY LOCAL,
0240              27 UMH CURRENCY LOCAL,
0250              45 MSALDO CURRENCY LOCAL,
0260              64 PSALDO CURRENCY LOCAL.
0270  ENDFORM.
```

Programm S-M-002 (RFSCHU18*)

```
0010  REPORT RFSCHU18.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: PSALDO TYPE P,
0040  TABLES T001.

0050  GET KB.
0060      SELECT SINGLE * FROM T001
0070                      WHERE BUKRS EQ KB-BUKRB.

0080  GET KC.
0090      NEW-PAGE.
0100      WRITE: KA-KTNRA, KA-NAME1, 48 T001-TEXT, KC-JAHRC,
0110              /10 KA-NAME2, /10 KA-ORT01.
0120      ULINE. DETAIL.
0130      PSALDO = KC-UMSAV.

0140      CALL FUNCTION 'UMSAETZE'
0150                      EXPORTING UMS  = KC-UM01S
0160                      UMH  = KC-UM01H
0170                      TXT  = '01'
0180                      PSAE = PSALDO
0190                      IMPORTING PSAI = PSALDO.

0140      CALL FUNCTION 'UMSAETZE'
0150                      EXPORTING UMS  = KC-UM02S
0160                      UMH  = KC-UM02H
0170                      TXT  = '02'
0180                      PSAE = PSALDO
0190                      IMPORTING PSAI = PSALDO.

0140      CALL FUNCTION 'UMSAETZE'
0150                      EXPORTING UMS  = KC-UM03S
0160                      UMH  = KC-UM03H
0170                      TXT  = '03'
0180                      PSAE = PSALDO
0190                      IMPORTING PSAI = PSALDO.

0170      SUMMARY. ULINE.
```

Programm S-M-003 (RMSCHU18*)

```
0010  REPORT RMSCHU18.

0020  SEGMENTS: KA, KB, KC.

0030  GET KC.
0040    NEW-PAGE.
0050    KUMUM = KUMUM * -1.
0060    WRITE:          BUKRB,
0070                KTNRA,
0080                16    JAHRC,
0090                27    NAME1,
0100            / 27    PLORT,
0110                59(15) KUMUM.
0120    ULINE.
0130    WRITE: /      TEXT-001,
0140                40 TEXT-002,
0150                61 TEXT-003.
0160    ULINE.

0180    PERFORM POSTENZEILE USING: UM01S UM01H '01',
0190                                UM02S UM02H '02',
0200                                UM03S UM03H '03',
0210                                UM04S UM04H '04',
0220                                UM05S UM05H '05',
0230                                UM06S UM06H '06',

0240    * ----- FORM POSTENZEILE----- *
0250    FORM POSTENZEILE USING SOLL HABEN MONAT.
0260    WRITE:
0270        /          MONAT,
0280        37(15) SOLL,
0290        59(15) HABEN.
0300    ENDFORM.
```


Programm N-UM-001 (RFSCHU13*)

```
0010  REPORT RFSCHU13.
0020  SEGMENTS: KA.

0030  GET KA.
0040      IF PSTLZ = SPACE.
0050          FORMAT INTENSIFIED.
0060      ELSE.
0070          FORMAT INTENSIFIED OFF.
0080      ENDIF.

0090      WRITE: KTNRA, PSTLZ, ORT01, STRAS.
```

Programm N-UM-001-1 (RFSCHU13)

```
0010  REPORT RFSCHU13.
0020  SEGMENTS: KA.

0030  GET KA.
0040      IF PSTLZ = SPACE OR ORT01 = SPACE OR STRAS = SPACE.
0050          FORMAT INTENSIFIED.
0060      ELSE.
0070          FORMAT INTENSIFIED OFF.
0080      ENDIF.

0090      WRITE: KTNRA, PSTLZ, ORT01, STRAS.
```

Programm N-UM-001-2 (RFSCHU13*)

```
0010  REPORT RFSCHU13.
0020  SEGMENTS: KA.

0030  GET KA.
0040      IF PSTLZ = SPACE AND ORTO1 = SPACE AND STRAS = SPACE.
0050          FORMAT INTENSIFIED.
0060      ELSE.
0070          FORMAT INTENSIFIED OFF.
0080      ENDIF.

0090      WRITE: KTNRA, PSTLZ, ORTO1, STRAS.
```

Programm N-UM-001-3 (RFSCHU13*)

```
0010  REPORT RFSCHU13.
0020  SEGMENTS: KA.

0030  GET KA.
0040      IF PSTLZ = SPACE.
0050          IF ORTO1 = SPACE.
0060              IF STRAS = SPACE.
0070                  FORMAT INTENSIFIED.
0080              ENDIF.
0090          ENDIF.
0100      ELSE.
0110          FORMAT INTENSIFIED OFF.
0120      ENDIF.

0130      WRITE: KTNRA, PSTLZ, ORTO1, STRAS.
```

Programm N-UM-003 (RFSCHU22)

```
0010  REPORT RFSCHU22.
0020  SEGMENTS: BK, BP, *SA, *DA, *KA.
0030  DATA: BEZEICHNUNG(40).

0040  START-OF-SELECTION.
0050      WRITE 'Selektionsstart'.

0060  GET BK.
0070      WRITE: BUKRS, BELNR,
0080              BUDAT DD/MM/YY, BLDAT DD/MM/YY, WAERS.

0090  GET BP.
0100      CASE KOART.
0110          WHEN 'D'.
0120              MOVE KUNNR TO *DA-KTNRA.
0130              READ SEGMENT *DA.
0140              MOVE *DA-NAME1 TO BEZEICHNUNG.
0150          WHEN 'S'.
0160              MOVE HKONT TO *SA-KTNRA.
0170              READ SEGMENT *SA.
0180              MOVE *SA-SKBEZ TO BEZEICHNUNG.
0190          WHEN OTHERS.
0200              MOVE SPACE TO BEZEICHNUNG.
0210      ENDCASE.

0220  DETAIL.
0230  WRITE: (3) BUZEI, BSCHL, UMSKZ, GSBER,
0240          BEZEICHNUNG, DMSHB CURRENCY BK-WAERS.
```

Programm N-UM-004 (RFSCHU15)

```
0010  REPORT RFSCHU15.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: BEGIN OF UTAB OCCURS 100,
0040           LAND1,
0050           KUMUM,
0060           END OF UTAB.

0070  GET KA.
0080    FILL UTAB.
0090  GET KC.
0100    FILL UTAB.
0110    COLLECT UTAB.
0020  END-OF-SELECTION.
0130    SORT UTAB.
0140    LOOP AT UTAB.
0150      WRITE: / UTAB-LAND1, UTAB-KUMUM.
0160    ENDLOOP.
0170  ULINE.
```

Programm N-UM-005 (RFSCHU19)

```
0010  REPORT RFSCHU19.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: BEGIN OF RANGLISTE OCCURS 50,
0040           KTNRA,
0050           UMSATZ TYPE P,
0060           END OF RANGLISTE.

0070  GET KA.
0080    RANGLISTE-KTNRA = KA-KTNRA.
0090  GET KC.
0100    RANGLISTE-UMSATZ = KC-KUMUM / 100000 * -1.
0110    APPEND RANGLISTE SORTED BY UMSATZ.
0120  END-OF-SELECTION.
0130    LOOP AT RANGLISTE.
0140      MOVE RANGLISTE-KTNRA TO KA-KTNRA.
0150      READ SEGMENT KA.
0160      WRITE: (4) SY-TABIX NO-SIGN, KA-NAME1,
0170             KA-ORT01, RANGLISTE-UMSATZ.
0180    ENDLOOP.
```

Programm N-UM-006 (RFSCHU26)

```
0010  REPORT RFSCHU26.

0020  SEGMENTS: KA, KB, KC.
0030  TABLES: T001.
0040  DATA: SKZ LIKE KC-SKZ01, SBL LIKE KC-SBL01.

0050  GET KC.
0060    NEW-PAGE.
0070    WRITE: KA-KTNRA USING NO EDIT MASK, KA-NAME1.
0080    SELECT SINGLE * FROM T001
0090           WHERE BUKRS = KB-BUKRB.
0100    WRITE: 50 T001-TEXT, 76 KC-JAHRC,
0110           /10 KA-NAME2,
0120           /10 KA-ORT01.
0130    ULINE.
0140    FORMAT INTENSIFIED OFF.
0150    WHILE SKZ NE SPACE
0160           VARY SKZ FROM SKZ01 NEXT SKZ02
0170           VARY SBL FROM SBL01 NEXT SBL02.
0180    WRITE: / SKZ, SBL.
0190    ENDWHILE.
0200    FORMAT INTENSIFIED ON.
0210    ULINE.
```

Programm N-UM-007 (RFSCHU33*)

```
0010  REPORT RFSCHU33 LINE-SIZE 120.

0020  TABLES: TRDIR.

0030  DATA: LINENR TYPE P, TITEL(70).
0040  DATA: NAME1 LIKE TRDIR-NAME,
0050           NAME2 LIKE TRDIR-NAME.
0060  DATA: BEGIN OF TEXT/TAB OCCURS 50,
0070           ID, NR(8), TEXT(132),
0080           END OF TEXT/TAB.

0090  PARAMETERS: REPORT LIKE TRDIR-NAME
0100                DEFAULT 'RFSCHU'.
```

Fortsetzung Programm N-UM-007 (RFSCHU33*)

```
0110  MOVE REPORT TO NAME1.
0120  TRANSLATE NAME1 USING '* '.
0130  MOVE NAME1 TO NAME2.
0140  TRANSLATE NAME2 USING ' 9'.

0150  SELECT * FROM TRDIR
0160           WHERE NAME BETWEEN NAME1 AND NAME2.
0170  REFRESH TEXT/TAB.
0180  READ TEXTPOOL TRDIR-NAME LANGUAGE SY-LANGU
0190           INTO TEXT/TAB.
0200  TITEL = SPACE.
0210  CLEAR TEXT/TAB.
0220  READ TABLE TEXT/TAB WITH KEY 'R'.
0230  TITEL = TEXT/TAB-TEXT.
0240  WRITE:      TRDIR-NAME, (50) TITEL, TRDIR-SUBC,
0250           TRDIR-RSTAT,TRDIR-DBNA, TRDIR-CLAS,
0260           TRDIR-APPL,
0270           83 TRDIR-CNAM, TRDIR-UNAM,TRDIR-NAME.
0280  ENDSELECT.
0290  SET PF-STATUS '0001'.

0300  AT PF13.
0310  SET PF-STATUS '0002'.
0320  WINDOW STARTING AT 54 3
0330           ENDING AT 79 22.
0340  WRITE: 'erstellt geaendert'(001).
0350  ULINE.
0360  DO 18 TIMES.
0370  LINENR = SY-INDEX + 4.
0380  READ LINE LINENR OF CURRENT PAGE.
0390  WRITE: / SY-LISEL+82(12), SY-LISEL+95(12).
0400  ENDDO.

0410  AT PF14.
0420  SET PF-STATUS '0002'.
0430  SY-SUBRC = 0.
0440  WHILE SY-SUBRC = 0.
0450  READ LINE SY-INDEX INDEX 0.
0460  WRITE: / SY-LISEL(53), SY-LISEL+82(12),
0470           SY-LISEL+95(12).
0480  ENDWHILE.
```

Programm N-UM-008 (RFSCHU25)

```
0010  REPORT RFSCHU25.
0020  SEGMENTS: KA, KB, KC.
0030  TABLES: T001.

0040  DATA: MSALDO LIKE KC-UMSAV,
0050           PSALDO LIKE KC-UMSAV,
0060           UMS LIKE KC-UM01S,
0070           UMH LIKE KC-UM01H.

0070  GET KC.
0080  NEW-PAGE.
0090  WRITE: KA-KTNRA USING NO EDIT MASK,
0100           KA-NAME1.

0110  SELECT SINGLE * FROM T001 WHERE BUKRS = KB-BUKRB.

0120  WRITE: 48 T001-TEXT, KC-JAHRC,
0130           /10 KA-NAME2,
0140           /10 KA-ORT01.
0150  ULINE.
0160  PSALDO = UMSAV.
0170  FORMAT INTENSIFIED OFF.

0180  DO 12 TIMES
0190      VARYING UMS FROM UM01S NEXT UM02S
0200      VARYING UMH FROM UM01H NEXT UM02H.
0210      MSALDO = UMS - UMH.
0220      PSALDO = PSALDO + MSALDO.
0230      WRITE: /01(3) SY-INDEX,
0240              08    UMS CURRENCY LOCAL,
0250              27    UMH CURRENCY LOCAL,
0260              45    MSALDO CURRENCY LOCAL,
0270              64    PSALDO CURRENCY LOCAL.
0280  ENDDO.

0290  FORMAT INTENSIFIED ON.
0300  ULINE.
```

Programm N-UM-009 (RFSCHU27*)

```
0010  REPORT RFSCHU27.

0020  SEGMENTS: KA, KB, KC.

0030  DATA: BEGIN OF COMMON PART,
0040           UMSATZ TYPE P,
0050           END OF COMMON PART.

0060  GET KB LATE.
0070    WRITE: KA-KTNRA USING NO EDIT MASK,
0080           KB-BUKRB,
0090           (25) KA-NAME1,
0100           (20) KA-ORT01,
0110           UMSATZ CURRENCY KA-WAERS.
0120  HIDE: KA-KTNRA,
0130        KB-BUKRB,
0140        UMSATZ.
0150  UMSATZ = 0.

0160  GET KC.
0170    UMSATZ = UMSATZ + KC-KUMUM.

0180  AT LINE-SELECTION.
0190    READ SEGMENT KA.
0200    HF-KOART = 'K'.
0210    HF-LIFNR = KA-KTNRA.
0220    HF-KBUKR = KB-BUKRB.
0230    FORMAT INTENSIFIED OFF.
0240    FOR ALL HF.
0250      WRITE:    HF-ZUONR,
0260              15 HF-BELNR,
0270              25 HF-GSBER,
0280              30 HF-BLART,
0290              35 HF-BUDAT,
0300              45 HF-BUZEI,
0310              55 HF-WAERS,
0320              65 HF-DMSHB.
0330    ENDFOR.
```


Programm N-UM-010 (RFSCHU37)

```
0010  REPORT RFSCHU37.

0020  DATA: BEGIN OF SATZ,
0030           TELF1 LIKE KA-TELF1, SPACE,
0040           KTNRA LIKE KA-KTNRA, SPACE,
0050           NAME1 LIKE KA-NAME1,
0060           END OF SATZ.

0070  PARAMETERS: MAPPE(12) DEFAULT SY-UNAME.

0080  DYNPROS: D00001, D02041, D02060.

0090  MOVE: SY-MANDT TO D00001-MANDT,
0100           MAPPE    TO D00001-BNAME,
0110           SY-UZEIT TO D00001-BNAME+6,
0120           'PASS'   TO D00001-BCODE,
0130           SY-LANGU TO D00001-SPRAS.
0140  TRANSFER-DYNPRO D00001.

0150  UPLOAD SATZ.
0160  MOVE: 'S'           TO D02041-SP,
0170           'TS02'      TO D02041-TC,
0180           SATZ-KTNRA TO D02041-KTNRA,
0190           '01'        TO D02041-VCODE.
0200  TRANSFER-DYNPRO D02041.
0210  MOVE SATZ-TELF1 TO D02060-TELF1.
0220  TRANSFER-DYNPRO D02060.
0230  WRITE: / SATZ.
0240  ENDUPLOAD.
```

Programm N-UM-011 (RMSCHU41)

```
0010  REPORT RMSCHU41.

0020  SEGMENTS: MA,
0030             MB,
0040             BV.

0050  DATA:
0060          BEGIN OF EINZEL-SATZ,
0070              LENGTH(4),
0080              MATNR,
0090              BUKRS,
0100              WERKS,
0110              BANFN,
0120              LFDAT,
0130              PSTYP,
0140              BAMNG,
0150          END OF EINZEL-SATZ,
0160          BEGIN OF SUMMEN-SATZ OCCURS 1000,
0170              LENGTH(4),
0180              MATNR,
0190              LFDAT,
0200              BAMNG,
0210          END OF SUMMEN-SATZ.

0220  START-OF-SELECTION.
0230      UPLOAD EINZEL-SATZ FROM FILE 1.
0240      WRITE:
0250          /(18) EINZEL-SATZ-MATNR,
0260          EINZEL-SATZ-BANFN,
0270          EINZEL-SATZ-LFDAT DD/MM/YY,
0280          EINZEL-SATZ-PSTYP,
0290          EINZEL-SATZ-BAMNG.
0300      ENDUPLOAD.
0310      UPLOAD SUMMEN-SATZ FROM FILE 2.
0320      WRITE:
0330          /(18) SUMMEN-SATZ-MATNR,
0340          SUMMEN-SATZ-LFDAT DD/MM/YY UNDER LFDAT,
0350          SUMMEN-SATZ-BAMNG UNDER BAMNG.
0360      ENDUPLOAD.
```

Programm N-UM-012 (RFSCHU20*)

```
0010  REPORT RFSCHU20.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: BEGIN OF UTAB OCCURS 200,
0040           LAND1,
0050           KUMUM,
0060  END OF UTAB,
0070  DM/KUMUM LIKE KC-KUMUM,
0080  UMSATZ TYPE P,
0090  PROZENT TYPE F.

0100  GET KA.
0110  FILL UTAB.

0120  GET KC.
0130  CURRENCY-CONVERSION KUMUM SY-WAERS TO DM/KUMUM 'DM'.
0140  UTAB-KUMUM = DM/KUMUM.
0150  COLLECT UTAB.

0160  END-OF-SELECTION.
0170  SORT UTAB.
0180  LOOP AT UTAB.
0190    AT FIRST.
0200      SUM.
0210      UMSATZ = UTAB-KUMUM.
0220      PROZENT = UTAB-KUMUM * 100 / UMSATZ.
0230      WRITE: /(10) UTAB-LAND1,
0240              (20) UTAB-KUMUM, PROZENT DECIMALS 5.
0250    ENDAT.
0260    AT NEW LAND1.
0270      SUMMARY.
0280      SUM.
0290      PROZENT = UTAB-KUMUM * 100 / UMSATZ.
0300      WRITE: /(10) UTAB-LAND1,
0310              (20) UTAB-KUMUM, PROZENT DECIMALS 5.
0320    ENDAT.
0330    PROZENT = UTAB-KUMUM * 100 / UMSATZ.
0340    WRITE: /(10) UTAB-LAND1,
0350            (20) UTAB-KUMUM, PROZENT DECIMALS 5.
0360    AT END OF LAND1.  ULINE.  ENDAT.
0370  ENDLOOP.
```

Programm N-UM-013 (RFSCHU23)

```
0010  REPORT RFSCHU23.
0020  SEGMENTS: SA, SB, SC.
0030  TABLES: T074, T074T, T001.
0040  DATA: BEGIN OF TAB OCCURS 100,
0050           MAFID(1), UMSKZ(1), SKONT(8),
0060           SALDO TYPE P DECIMALS 2,
0070           END OF TAB,
0080           SOLL TYPE P, HABEN TYPE P.

0090  PARAMETERS: BUKREIS  LIKE SB-BUKRB DEFAULT '01',
0100                GJAHR   LIKE SC-JAHRC DEFAULT '1990',
0110                GSBER   LIKE SC-GSBER DEFAULT '00'.

0120  SELECT SINGLE * FROM T001 WHERE BUKRS = BUKREIS.

0130  SELECT * FROM T074 WHERE BUMOD = T001-MODIF.
0140    MOVE-CORRESPONDING T074 TO TAB.
0150    APPEND TAB.
0160  ENDSELECT.

0170  SORT TAB.
0180  MOVE SY-LANGU TO T074T-SPRAS.

0190  LOOP AT TAB.
0200    MOVE: TAB-SKONT TO SC-KTNRC,
0210          BUKREIS  TO SC-BUKRC,
0220          GJAHR    TO SC-JAHRC,
0230          GSBER    TO SC-GSBER.
0240    READ SEGMENT SC.
0250    IF SY-SUBRC EQ 0.
0260      ADD SC-UM01S THEN SC-UM02S
0270          UNTIL SC-UM16S GIVING SOLL.
0280      ADD SC-UM01H THEN SC-UM02H
0290          UNTIL SC-UM16H GIVING HABEN.
0300      TAB-SALDO = SC-UMSAV + SOLL - HABEN.
0310      MODIFY TAB.
0320    ENDIF.
0330  ENDLOOP.
```

Fortsetzung Programm N-UM-013 (RFSCHU23)

```
0340  LOOP AT TAB.
0350      AT NEW UMSKZ.
0360          SUM.
0370          SUMMARY.
0380          SKIP.
0390          MOVE TAB-MAFID TO T074T-MAFID.
0400          MOVE TAB-UMSKZ TO T074T-UMSKZ.
0410          READ TABLE T074T.
0420          WRITE: /01 T074T-LTEXT, 60 TAB-SALDO, '*'.
0430  ENDAT.
0440  DETAIL.
0450  MOVE TAB-SKONT TO SA-KTNRA.
0460  READ SEGMENT SA.
0470  WRITE: / SA-KTNRA, SA-SKBEZ, 60 TAB-SALDO.
0480  ENDLLOOP.
```

Programm N-UM-014 (RFSCHU65*)

```
0010  REPORT RFSCHU65.
0020  TABLES: TRDIR.

0030  DATA: TITLE LIKE SY-TITLE.
0040           BEGIN OF TEXT/TAB OCCURS 50.
0050                   ID, NR(8), TEXT(132).
0060           END OF TEXT/TAB.

0070  PARAMETERS: SORTIER(6).
0080  FIELD-GROUPS: HEADER, ENTRY.

0090  WHILE SORTIER NE SPACE.
0100      CASE SORTIER(1).
0110          WHEN '1'.  INSERT TRDIR-APPL  INTO HEADER.
0120          WHEN '2'.  INSERT TRDIR-SUBC  INTO HEADER.
0130          WHEN '3'.  INSERT TRDIR-RSTAT INTO HEADER.
0140          WHEN '4'.  INSERT TRDIR-DBNA  INTO HEADER.
0150          WHEN '5'.  INSERT TRDIR-CLAS  INTO HEADER.
0160          WHEN '6'.  INSERT TRDIR-CNAM  INTO HEADER.
0170      ENDCASE.
0180      SHIFT SORTIER.
0190  ENDWHILE.

0200  INSERT TRDIR-NAME  INTO HEADER.
0210  INSERT TRDIR      INTO ENTRY.

0220  SELECT * FROM TRDIR.  EXTRACT ENTRY.
0230  ENDSELECT.

0240  END-OF-SELECTION.
0250      SORT.
0260      LOOP.
0270          REFRESH TEXT/TAB.
0280          READ TEXTPOOL TRDIR-NAME LANGUAGE SY-LANGU
0290              INTO TEXT/TAB.
0300          MOVE SPACE TO TITLE.  CLEAR TEXT/TAB.
0310          READ TABLE TEXT/TAB WITH KEY 'R'.
0320          TITLE = TEXT/TAB-TEXT.
0330          WRITE: TRDIR-NAME, (40) TITLE, TRDIR-APPL,
0340                  TRDIR-CLAS, TRDIR-RSTAT, TRDIR-SUBC,
0350                  TRDIR-DBNA, TRDIR-CNAM.
0360      ENDLOOP.
```

Programm N-UM-015 (RFSCHU42*)

```
0010  REPORT RFSCHU42.
0020  SEGMENTS: LH.

0030  DATA: BEGIN OF SATZ,
0040           RDW(4), TABLE(4), MODID(1), DATUM TYPE D,
0050           USER LIKE LH-BNAME, NEW(80), OLD(80),
0060           END OF SATZ.

0070  DATA: TABNAME(4),
0080           BEGIN OF STAT OCCURS 500,
0090           TABLE(4), ATTACH(3) TYPE P, INSERT(3) TYPE P,
0100           UPDATE(3) TYPE P, DELETE(3) TYPE P,
0110           END OF STAT.

0120  PARAMETERS: NAME(6) DEFAULT 'SAPV01'.

0130  DO.
0140    READ DATASET NAME INTO SATZ.
0150    * IF SY-SUBRC NE 0.  EXIT. ENDIF.
0160    MOVE SATZ-TABLE TO STAT-TABLE.
0170    STAT-INSERT = STAT-UPDATE = STAT-DELETE = 0.
0180    MOVE 1 TO STAT-ATTACH.

0190    CASE SATZ-MODID.
0200      WHEN 'I'. MOVE 1 TO STAT-INSERT.
0210      WHEN 'U'. MOVE 1 TO STAT-UPDATE.
0220      WHEN 'D'. MOVE 1 TO STAT-DELETE.
0230    ENDCASE.
0240    COLLECT STAT.

0250    IF TABNAME NE SATZ-TABLE.
0260      SKIP 2.
0270      MOVE SATZ-TABLE TO TABNAME.
0280      RESERVE 5 LINES.
0290      WRITE: 'Tabelle'(001), SATZ-TABLE.
0300      SKIP.
0310    ENDIF.
```

Fortsetzung Programm N-UM-015 (RFSCHU42*)

```
0320    IF SATZ-MODID = 'D'.
0330        MOVE SATZ-OLD TO SATZ-NEW.
0340        MOVE SPACE TO SATZ-OLD.
0350    ENDIF.

0360    WRITE:  SATZ-DATUM DD/MM/YY,
0370           SATZ-USER,
0380           SATZ-MODID,
0390           / SATZ-NEW,
0400           / SATZ-OLD.
0410    ENDDO.

0420    TABNAME = SPACE.
0430    NEW-PAGE NO-HEADING.
0440    WRITE 'Zugriffsstatistik'(002).
0450    WRITE 'Tabelle Zugriffe(gesamt)      Insert'
0460           'Update      Delete'(003).

0470    SORT STAT.

0480    LOOP AT STAT.
0490        NEW-LINE.
0500        WRITE:  STAT-TABLE,
0510               13 STAT-ATTACH,
0520               30 STAT-INSERT,
0530               42 STAT-UPDATE,
0540               52 STAT-DELETE.
0550    ENDLLOOP.

0560    TOP-OF-PAGE.
0570    IF TABNAME NE SPACE.
0580        WRITE: 'Tabelle'(001), SATZ-TABLE.
0590    ENDIF.
```


Programm N-UM-016 (RFSCHU72*)

```
0010  REPORT RFSCHU72.
0020  SEGMENTS: KA.

0030  TABLES: INDX.

0040  DATA: BEGIN OF RANG OCCURS 10,
0050           KTNRA, NAME1, UMSATZ TYPE P DECIMALS 2,
0060           END OF RANG,

0070           BEGIN OF KEY,
0080           DBNAME(4), INDEXNAME(18),
0090           END OF KEY.

0100  MOVE 'LIFA' TO KEY-DBNAME.
0110  MOVE 'RANGLISTE' TO KEY-INDEXNAME.

0120  IMPORT RANG
0130           FROM DATABASE INDX(IX) ID KEY.

0140  IF SY-SUBRC NE 0.
0150      WRITE: 'Falscher Index'.
0160  ENDIF.

0170  LOOP AT RANG.
0180      WRITE: /(4) SY-TABIX NO-SIGN.
0190      WRITE: RANG-KTNRA, RANG-NAME1, RANG-UMSATZ.
0200  ENDLOOP.
0210  SKIP.
0220  ULINE.
0230  WRITE: 'Erstellungsdatum:'(001),
0240           INDX-AEDAT DD/MM/YY,
0250      / 'Ersteller:'(002),
0260           INDX-USERA UNDER INDX-AEDAT.
```

Programm N-UM-017 (RFSCHU38)

```
0010  REPORT RFSCHU38.

0020  DATA: BEGIN OF T OCCURS 200,
0030           FORMAT, TEXT(60),
0040           END OF T.
0050  DATA: BEGIN OF O OCCURS 200,
0060           FORMAT, TEXT(60),
0070           END OF O.
0080  DATA: BEGIN OF DDNAME,
0090           'SD', 'ABAP', KEYW(30),
0100           END OF DDNAME.
0110  DATA: I TYPE P, MAX TYPE P.
0120  DATA: KEYW LIKE DDNAME-KEYW.

0130  SKIP.
0140  WRITE: 13 'Schluesselwort:'(001), KEYW INPUT.

0150  AT LINE-SELECTION.
0160    READ LINE 5 FIELD VALUE KEYW.
0170    TRANSLATE KEYW TO UPPER CASE.
0180    DDNAME-KEYW = KEYW.
0190    REFRESH: T, O.
0200    READ DOCUMENTATION DDNAME LANGUAGE SY-LANGU INTO O.
0210    READ DOCUMENTATION DDNAME LANGUAGE SY-LANGU INTO T.
0220    EDITOR-CALL FOR T.
0230    I = MAX = 0.
0240    LOOP AT T.
0250      I = I + 1.
0260      IF MAX = 0.
0270        READ TABLE O INDEX I.
0280        IF O-TEXT NE T-TEXT.
0290          MAX = I.
0300        ENDIF.
0310      ENDIF.
0320      WRITE / T-TEXT.
0330    ENDLOOP.
0340    IF MAX = 0.
0350      WRITE / 'Tabelle unveraendert'(002).
0360    ELSE.
0370      WRITE: / 'Tabelle ab Eintrag'(003),
0380             MAX, 'geaendert'(004).
0390    ENDIF.
```

Programm N-UM-018 (RFSCHU63)

```
0010  REPORT RFSCHU63.

0020  SEGMENTS: KA, KB, HF.
0030  TABLES: T001.

0040  FIELD-GROUPS: HEADER,
0050                   ANSCHRIFT,
0060                   POSTEN.

0070  INSERT: KB-BUKRB KA-KTNRA HF-GSBER HF-BUDAT HF-BELNR
0080           INTO HEADER,
0090           KA-NAME1 KA-NAME2 KA-PLORT KA-STRAS
0100           INTO ANSCHRIFT,
0110           HF-ZUONR HF-DMSHB HF-BLART HF-ZALDT
0120           HF-BSCHL HF-UMSKZ
0125           INTO POSTEN.

0130  GET KB.
0140      EXTRACT ANSCHRIFT.

0150  GET HF.
0160      EXTRACT POSTEN.

0170  END-OF-SELECTION.
0180      SORT.
0190      LOOP.
0200          AT NEW BUKRB.
0210              NEW-PAGE.
0220          ENDAT.

0230          AT ANSCHRIFT WITH POSTEN.
0240              FORMAT INTENSIFIED ON.
0250              SKIP.
0260              RESERVE 4 LINES.
0270              WRITE: / KA-KTNRA USING NO EDIT MASK, KA-NAME1,
0280                      / KA-NAME2 UNDER KA-NAME1,
0290                      / KA-STRAS UNDER KA-NAME1,
0300                      / KA-PLORT UNDER KA-NAME1.
0310          ENDAT.
```

Fortsetzung Programm N-UM-018 (RFSCHU63)

```
0320      AT POSTEN.
0330          DETAIL.
0340          WRITE: /13 HF-GSBER, HF-BUDAT DD/MM/YY, HF-BELNR,
0350                      HF-ZUONR, HF-BLART, HF-ZALDT DD/MM/YY,
0360                      HF-BSCHL, HF-UMSKZ, HF-DMSHB.
0380      ENDAT.

0390      AT END OF HF-GSBER.
0400          IF CNT(HF-BELNR) > 1.
0410              FORMAT INTENSIFIED ON.
0420              WRITE: / 'Summe Geschaeftsbereich'(001),
0430                      HF-GSBER,
0440                      SUM(HF-DMSHB) UNDER HF-DMSHB, '*''.
0450              SKIP.
0460          ENDIF.
0470      ENDAT.

0480      AT END OF KA-KTNRA.
0490          IF CNT(HF-GSBER) > 0.
0500              FORMAT INTENSIFIED ON.
0510              WRITE: / 'Summe'(002), KA-KTNRA, KA-NAME1,
0520                      SUM(HF-DMSHB) UNDER HF-DMSHB, '**'.
0530          ENDIF.
0540      ENDAT.

0550      AT END OF KB-BUKRB.
0560          IF CNT(KA-KTNRA) > 0.
0570              FORMAT INTENSIFIED OFF.
0580              SELECT SINGLE * FROM TOO1
0590                      WHERE BUKRS = KB-BUKRB.
0600              WRITE: / 'Summe'(002), TOO1-TEXT,
0610                      SUM(HF-DMSHB) UNDER HF-DMSHB, '***'.
0620          ENDIF.
0630      ENDAT.

0640      AT LAST.
0650          FORMAT INTENSIFIED ON.
0660          SKIP.
0670          WRITE: / 'Insgesamt:'(003),
0680                      SUM(HF-DMSHB) UNDER HF-DMSHB, '<=='.
0690      ENDAT.
0700      ENDLOOP.
```

Programm N-UM-019 (RFSCHU71)

```
0010  REPORT RFSCHU71.
0020  SEGMENTS: KA, KC.
0030  TABLES: INDX.
0040  DATA: BEGIN OF RANG OCCURS 10,
0050           KTNRA, NAME1, UMSATZ TYPE P DECIMALS 2,
0060           END OF RANG,
0070           BEGIN OF KEY,
0080           DBNAME(4),INDEXNAME(18),
0090           END OF KEY.

0100  START-OF-SELECTION.
0110      MOVE: SY-DATUM TO INDX-AEDAT,
0120           SY-UNAME TO INDX-USERA,
0130           SY-REPID TO INDX-PGMID.

0140  GET KA.
0150      FILL RANG.
0160      RANG-UMSATZ = 0.

0170  GET KC.
0180      KUMUM = KUMUM / 10000 * -1.
0190      RANG-UMSATZ = RANG-UMSATZ + KUMUM.

0200  GET KA LATE.
0210      APPEND RANG SORTED BY UMSATZ.

0220  END-OF-SELECTION.
0230      LOOP AT RANG.
0240          FORMAT INTENSIFIED ON.
0250          WRITE: /(4) SY-TABIX NO-SIGN.
0260          FORMAT INTENSIFIED OFF.
0270          WRITE: RANG-KTNRA, RANG-NAME1, RANG-UMSATZ.
0280      ENDLOOP.

0290      WRITE:  'Erstellungsdatum:'(001),
0300             INDX-AEDAT DD/MM/YY,
0310             / 'Ersteller:'(002),
0320             INDX-USERA UNDER INDX-AEDAT.
0330      MOVE 'LIFA' TO KEY-DBNAME.
0340      MOVE 'RANGLISTE' TO KEY-INDEXNAME.
0350      EXPORT RANG TO DATABASE INDX(IX) ID KEY.
```

Programm N-UM-020 (RFSCHU60*)

```
0010  REPORT RFSCHU60 NO STANDARD PAGE HEADING.
0020  SEGMENTS: KA, KB, HF.
0030  TABLES: T001.
0040  FIELD-GROUPS: HEADER, ANSCHRIFT, POSTEN.

0050  INSERT KA-KTNRA KB-BUKRB HF-BELNR HF-BUZEI
0060          HF-DMSHB HF-WAERS INTO HEADER.
0070  INSERT KA-NAME1 KA-NAME2 KA-ORT01 KA-LAND1
0080          INTO ANSCHRIFT.
0090  INSERT HF-ZUONR HF-BLART HF-WRSHB HF-BUDAT
0100          INTO POSTEN.

0110  GET KB.
0120      EXTRACT ANSCHRIFT.

0130  GET HF.
0140      EXTRACT POSTEN.
0150      WRITE:      HF-ZUONR, HF-BLART, HF-BELNR,
0160                  (3) HF-BUZEI,
0170                  HF-BUDAT, HF-DMSHB,
0180                  HF-WRSHB NO-ZERO CURRENCY HF-WAERS,
0190                  HF-WAERS.

0200  END-OF-SELECTION.
0210      SET PF-STATUS '0001'.

0220  AT PF13.
0230      SY-LSIND = 1.
0240      SORT BY KA-KTNRA KB-BUKRB HF-BELNR HF-BUZEI.
0250      LOOP.
0260          AT ANSCHRIFT.
0270              NEW-PAGE.
0280          ENDAT.
0290          AT POSTEN.
0300              WRITE: HF-ZUONR, HF-BLART, HF-BELNR,
0310                      (3) HF-BUZEI,
0320                      HF-BUDAT, HF-DMSHB,
0330                      HF-WRSHB NO-ZERO CURRENCY HF-WAERS,
0340                      HF-WAERS.
0350          ENDAT.
0360      ENDLOOP.
```

Fortsetzung Programm N-UM-020 (RFSCHU60*)

```
0370  AT PF15.
0380      SY-LSIND = 1.
0390      SORT BY KA-KTNRA KB-BUKRB HF-WAERS.
0400      LOOP.
0410          AT ANSCHRIFT.
0420              NEW-PAGE.
0430          ENDAT.
0440          AT POSTEN.
0450              WRITE: HF-ZUONR, HF-BLART, HF-BELNR,
0460                      (3) HF-BUZEI,
0470                      HF-BUDAT, HF-DMSHB,
0480                      HF-WRSHB NO-ZERO CURRENCY HF-WAERS,
0490                      HF-WAERS.
0500          ENDAT.
0510      ENDLOOP.
0520  TOP-OF-PAGE.
0530      FORMAT INTENSIFIED ON.
0540      SELECT SINGLE * FROM TO01 WHERE BUKRS = KB-BUKRB.
0550      WRITE: KA-KTNRA USING NO EDIT MASK,
0560              KA-NAME1, 41 TO01-TEXT,
0570              68 'Seite: '(001), (4) SY-PAGNO NO-SIGN,
0580              / KA-NAME2 UNDER KA-NAME1,
0590              41 'Buchungskreis' (002), KB-BUKRB,
0600              / KA-ORT01 UNDER KA-NAME1.
0610      SKIP.
0620      WRITE: ' Zuordnung BA BelegNr BZ Budat' (003),
0630              45 'Betrag FWBetrag Waehrung' (004).
0640      ULINE / (68).  SKIP.
0650  TOP-OF-PAGE DURING LINE-SELECTION.
0660      FORMAT INTENSIFIED ON.
0670      SELECT SINGLE * FROM TO01 WHERE BUKRS = KB-BUKRB.
0680      WRITE: KA-KTNRA USING NO EDIT MASK,
0690              KA-NAME1, 41 TO01-TEXT,
0700              68 'Seite: '(001), (4) SY-PAGNO NO-SIGN,
0710              / KA-NAME2 UNDER KA-NAME1,
0720              41 'Buchungskreis' (002), KB-BUKRB,
0730              / KA-ORT01 UNDER KA-NAME1.
0740      SKIP.
0750      WRITE: ' Zuordnung BA BelegNr BZ Budat' (003),
0760              45 'Betrag FWBetrag Waehrung' (004).
0770      ULINE / (68).  SKIP.
```

Programm N-UM-21 (RFSCHU32*)

```
0010  REPORT RFSCHU32 MESSAGE-ID 39.

0020  SEGMENTS: KA.
0030  DATA: Y1 LIKE SY-CUROW, Y2 LIKE SY-CUROW.
0040  DATA: MARKFIELD VALUE '_', FLAG.
0050  DATA: FIELDNAME(8).
0060  DATA: BEGIN OF INFO,
0070          TEXT(10),
0080          KTNRA,
0090          SPACE,
0100          NAME1,
0110          END OF INFO.

0120  GET KA.
0130  FORMAT INTENSIFIED OFF.
0140  WRITE: MARKFIELD INPUT, FLAG, KA-KTNRA USING NO EDIT MASK,
0150          KA-NAME1, KA-BANKN, KA-BANKL.
0160  HIDE: KA-KTNRA,KA-NAME1,
0170          KA-BANKN, KA-BANKL, KA-BANKA, KA-BANKS, KA-PSKTO.

0180  END-OF-SELECTION.
0190  SET PF-STATUS '0001'.

0200  AT PF2.
0210  SET PF-STATUS '0002'.
0220  READ SEGMENT KA.
0230  GET CURSOR FIELD FIELDNAME.
0240  CASE FIELDNAME.
0250      WHEN 'KA-NAME1'.
0260          MOVE-CORRESPONDING KA TO INFO.
0270          INFO-TEXT = 'Lieferant'(011).
0280          Y1 = SY-CUROW.
0290          IF Y1 LT 14.
0300              Y1 = 15.
0310          ELSE.
0320              Y1 = 04.
0330          ENDIF.
0340          Y2 = Y1 + 07.
0350          WINDOW STARTING AT 01 Y1
0360                  ENDING AT 79 Y2
0370                  WITH FRAME
0380                  TITLE INFO.
```


Fortsetzung Programm N-UM-21 (RFSCHU32*)

```
0390      WRITE:
0400          / 'Anrede.....'(013) INTENSIFIED OFF,
0410          KA-ANRED INTENSIFIED,
0420          / 'Name 1.....'(015) INTENSIFIED OFF,
0430          KA-NAME1 INTENSIFIED,
0440          / 'Name 2.....'(016) INTENSIFIED OFF,
0450          KA-NAME2 INTENSIFIED,
0460          / 'Strasse.....'(017) INTENSIFIED OFF,
0470          KA-STRAS INTENSIFIED,
0480          / 'Postfach.....'(018) INTENSIFIED OFF,
0490          KA-PFACH INTENSIFIED,
0500          / 'Ort.....'(019) INTENSIFIED OFF,
0510          KA-ORT01 INTENSIFIED,
0520          / 'Land.....'(020) INTENSIFIED OFF,
0530          KA-LAND1 INTENSIFIED.
0540  WHEN 'KA-BANKN'.
0550      MOVE-CORRESPONDING KA TO INFO.
0560      INFO-TEXT = 'Lieferant'(011).
0570      Y1 = SY-CUROW.
0580      IF Y1 LT 14.
0590          Y1 = 15.
0600      ELSE.
0610          Y1 = 04.
0620      ENDIF.
0630      Y2 = Y1 + 07.
0640      WINDOW STARTING AT 01 Y1
0650          ENDING AT 79 Y2
0660          WITH FRAME
0670          TITLE INFO.
0680      FORMAT INTENSIFIED OFF.
0690      WRITE:
0700          / 'Bankkonto.....'(042), KA-BANKN,
0710          / 'Bankleitzahl....'(044), KA-BANKL,
0720          / 'Bankanschrift...' (046), KA-BANKA,
0730          / 'Bankland.....'(047), KA-BANKS,
0740          / 'Postscheckkonto.' (048), KA-PSKTO.
0750  WHEN 'KA-BANKL'.
0760      MOVE-CORRESPONDING KA TO INFO.
0770      INFO-TEXT = 'Lieferant'(011).
0780      Y1 = SY-CUROW.
0790      IF Y1 LT 14.
0800          Y1 = 15.
```

Fortsetzung Programm N-UM-21 (RFSCHU32*)

```
0810      ELSE.
0820          Y1 = 04.
0830      ENDIF.
0840      Y2 = Y1 + 07.
0850      WINDOW STARTING AT 01 Y1
0860          ENDING AT 79 Y2
0870          WITH FRAME
0880          TITLE INFO.
0890      FORMAT INTENSIFIED OFF.
0900      WRITE:
0910          / 'Bankkonto.....'(042), KA-BANKN,
0920          / 'Bankleitzahl....'(044), KA-BANKL,
0930          / 'Bankanschrift...' (046), KA-BANKA,
0940          / 'Bankland.....'(047), KA-BANKS,
0950          / 'Postscheckkonto.' (048), KA-PSKTO.
0960      WHEN OTHERS.
0970          MESSAGE I850.
0980      ENDCASE.

0990  AT PF14.
1000      SET PF-STATUS '0003'.
1010      SY-SUBRC = 0.
1020      WHILE SY-SUBRC = 0.
1030          CLEAR MARKFIELD.
1040          READ LINE SY-INDEX FIELD VALUE MARKFIELD.
1050          IF MARKFIELD NE SPACE AND MARKFIELD NE '_'.
1060              FORMAT INTENSIFIED.
1070              WRITE: / 'Lieferant'(011), KA-KTNRA, KA-NAME1.
1080              SKIP.
1090              FORMAT INTENSIFIED OFF.
1100              WRITE:
1110                  / 'Bankkonto.....'(042), KA-BANKN,
1120                  / 'Bankleitzahl....'(044), KA-BANKL,
1130                  / 'Bankanschrift...' (046), KA-BANKA,
1140                  / 'Bankland.....'(047), KA-BANKS,
1150                  / 'Postscheckkonto.' (048), KA-PSKTO.
1160          ULINE.
```

Fortsetzung Programm N-UM-21 (RFSCHU32*)

```
1170      MODIFY CURRENT LINE
1180          LINE FORMAT INTENSIFIED
1190          FIELD VALUE MARKFIELD FROM SPACE
1200              FLAG FROM '*'
1210          FIELD FORMAT KA-NAME1 UNDERSCORED.
1220      ENDIF.
1230  ENDWHILE.

1240  TOP-OF-PAGE DURING LINE-SELECTION.
1250      IF SY-PFKEY = '0003'.
1260          FORMAT INTENSIFIED ON.
1270          WRITE: /25 'Bankdaten der Lieferanten'(004).
1280          ULINE.
1290          FORMAT INTENSIFIED OFF.
1300      ENDIF.
```

Programm N-M-001 (RFSCHU20)

```
0010  REPORT RFSCHU20.
0020  SEGMENTS: KA, KB, KC.
0030  DATA: BEGIN OF UTAB OCCURS 200,
0040           LAND1,
0050           KUMUM,
0060  END OF UTAB,
0070  DM/KUMUM LIKE KC-KUMUM,
0080  UMSATZ TYPE P.  PROZENT TYPE F.

0090  GET KA.
0100  FILL UTAB.

0110  GET KC.
0120  CURRENCY-CONVERSION KUMUM SY-WAERS TO DM/KUMUM 'DM'.
0130  UTAB-KUMUM = DM/KUMUM.
0140  COLLECT UTAB.

0150  END-OF-SELECTION.
0160  SORT UTAB.
0170  LOOP AT UTAB.
0180  AT FIRST.
0190  SUM.
0200  UMSATZ = UTAB-KUMUM.
0210  PERFORM LINE.
0220  ENDAT.

0230  AT NEW LAND1.
0240  SUMMARY.  SUM.
0250  PERFORM LINE.
0260  ENDAT.

0270  PERFORM LINE.

0280  AT END OF LAND1.  ULINE. ENDAT.
0290  ENDLOOP.

0300  FORM LINE.
0310  PROZENT = UTAB-KUMUM * 100 / UMSATZ.
0320  WRITE: /(10) UTAB-LAND1,
0330           (20) UTAB-KUMUM, PROZENT DECIMALS 5.
0340  ENDFORM.
```

Programm N-M-002 (RFSCHU60)

```
0010  REPORT RFSCHU60 NO STANDARD PAGE HEADING.
0020  SEGMENTS: KA, KB, HF.
0030  TABLES: T001.
0040  FIELD-GROUPS: HEADER, ANSCHRIFT, POSTEN.

0050  INSERT KA-KTNRA KB-BUKRB HF-BELNR HF-BUZEI
0060          HF-DMSHB HF-WAERS INTO HEADER.
0070  INSERT KA-NAME1 KA-NAME2 KA-ORT01 KA-LAND1
0080          INTO ANSCHRIFT.
0090  INSERT HF-ZUONR HF-BLART HF-WRS HB HF-BUDAT
0100          INTO POSTEN.

0110  GET KB.
0120      EXTRACT ANSCHRIFT.

0130  GET HF.
0140      EXTRACT POSTEN.
0150      PERFORM AUSGABE-POSTEN.

0160  END-OF-SELECTION.
0170      SET PF-STATUS '0001'.

0180  AT PF13.
0190      SY-LSIND = 1.
0200      SORT BY KA-KTNRA KB-BUKRB HF-BELNR HF-BUZEI.
0210      PERFORM AUSGABE.

0220  AT PF15.
0230      SY-LSIND = 1.
0240      SORT BY KA-KTNRA KB-BUKRB HF-WAERS.
0250      PERFORM AUSGABE.

0260  TOP-OF-PAGE.
0270      PERFORM AUSGABE-ANSCHRIFT.

0280  TOP-OF-PAGE DURING LINE-SELECTION.
0290      PERFORM AUSGABE-ANSCHRIFT.
```

Fortsetzung Programm N-M-002 (RFSCHU60)

```

0300 *-----*
0310 *          FORM AUSGABE                      *
0320 *-----*
0330 FORM AUSGABE.
0340     LOOP.
0350         AT ANSCHRIFT.
0360             NEW-PAGE.
0370             ENDAT.
0380             AT POSTEN.
0390                 PERFORM AUSGABE-POSTEN.
0400             ENDAT.
0410         ENDLOOP.
0420 ENDFORM.
0430 *-----*
0440 *          FORM AUSGABE-ANSCHRIFT              *
0450 *-----*
0460 FORM AUSGABE-ANSCHRIFT.
0470     FORMAT INTENSIFIED ON.
0480     SELECT SINGLE * FROM T001 WHERE BUKRS = KB-BUKRB.
0490     WRITE:  KA-KTNRA USING NO EDIT MASK,
0500             KA-NAME1, 41 T001-TEXT,
0510             68 'Seite:'(001), (4) SY-PAGNO NO-SIGN,
0520             / KA-NAME2 UNDER KA-NAME1,
0530             41 'Buchungskreis'(002), KB-BUKRB,
0540             / KA-ORT01 UNDER KA-NAME1.
0550     SKIP.
0550     WRITE:    ' Zuordnung BA BelegNr BZ Budat'(003),
0560             45 'Betrag FWBetrag Waehrung'(004).
0570     ULINE /(68).      SKIP.
0580 ENDFORM.
0590 *-----*
0600 *          FORM AUSGABE-POSTEN                  *
0610 *-----*
0620 FORM AUSGABE-POSTEN.
0630     WRITE:    HF-ZUONR, HF-BLART, HF-BELNR,
0640             (3) HF-BUZEI,
0650             HF-BUDAT, HF-DMSHB,
0660             HF-WRSHB NO-ZERO CURRENCY HF-WAERS,
0670             HF-WAERS.
0680 ENDFORM.

```

Programm N-M-003 (RFSCHU32)

```
0010  REPORT RFSCHU32 MESSAGE-ID 39.

0020  SEGMENTS: KA.
0030  DATA: Y1 LIKE SY-CUROW, Y2 LIKE SY-CUROW.
0040  DATA: MARKFIELD VALUE '_', FLAG.
0050  DATA: FIELDNAME(8).

0060  GET KA.
0070      FORMAT INTENSIFIED OFF.
0080      WRITE: MARKFIELD INPUT, FLAG, KA-KTNRA USING NO EDIT MASK,
0090              KA-NAME1, KA-BANKN, KA-BANKL.
0100      HIDE:  KA-KTNRA,KA-NAME1,
0110              KA-BANKN, KA-BANKL, KA-BANKA, KA-BANKS, KA-PSKTO.

0120  END-OF-SELECTION.
0130      SET PF-STATUS '0001'.

0140  AT PF2.
0150      SET PF-STATUS '0002'.
0160      READ SEGMENT KA.
0170      GET CURSOR FIELD FIELDNAME.
0180      CASE FIELDNAME.
0190          WHEN 'KA-NAME1'.
0200              PERFORM SPLIT-SCREEN USING 'N'.
0210          WHEN 'KA-BANKN'.
0220              PERFORM SPLIT-SCREEN USING 'B'.
0230          WHEN 'KA-BANKL'.
0240              PERFORM SPLIT-SCREEN USING 'B'.
0250          WHEN OTHERS.
0260              MESSAGE I850.
0270      ENDCASE.

0280  AT PF14.
0290      SET PF-STATUS '0003'.
0300      SY-SUBRC = 0.
0310      WHILE SY-SUBRC = 0.
0320          CLEAR MARKFIELD.
0330          READ LINE SY-INDEX FIELD VALUE MARKFIELD.
```

Fortsetzung Programm N-M-003 (RFSCHU32)

```
0340      IF MARKFIELD NE SPACE AND MARKFIELD NE '_'.
0350          FORMAT INTENSIFIED.
0360          WRITE: / 'Lieferant'(011), KA-KTNRA, KA-NAME1.
0370          SKIP.
0380          PERFORM BANK.
0390          ULINE.
0400          MODIFY CURRENT LINE
0410              LINE FORMAT INTENSIFIED
0420              FIELD VALUE MARKFIELD FROM SPACE
0430                  FLAG FROM '*'
0440              FIELD FORMAT KA-NAME1 UNDERSCORED.
0450      ENDIF.
0460  ENDWHILE.

0470  *----- F o r m S p l i t - S c r e e n -----*
0480  FORM SPLIT-SCREEN USING FLAG.
0490      DATA: BEGIN OF INFO,
0500          TEXT(10),
0510          KTNRA,
0520          SPACE,
0530          NAME1,
0540          END OF INFO.

0550      MOVE-CORRESPONDING KA TO INFO.
0560      INFO-TEXT = 'Lieferant'(011).
0570      Y1 = SY-CUROW.
0580      IF Y1 LT 14.
0590          Y1 = 15.
0600      ELSE.
0610          Y1 = 04.
0630      ENDIF.
0640      Y2 = Y1 + 07.

0650      WINDOW STARTING AT 01 Y1
0660          ENDING AT 79 Y2
0670          WITH FRAME
0680          TITLE INFO.
0690      CASE FLAG.
0700          WHEN 'N'.
0710              PERFORM ADRESSE.
0720          WHEN 'B'.
```


Fortsetzung Programm N-M-003 (RFSCHU32)

```
0730      PERFORM BANK.
0740      ENDCASE.
0750      ENDFORM.

0760      TOP-OF-PAGE DURING LINE-SELECTION.
0770      IF SY-PFKEY = '0003'.
0780          FORMAT INTENSIFIED ON.
0790          WRITE: /25 'Bankdaten der Lieferanten'(004).
0800          ULINE.
0810          FORMAT INTENSIFIED OFF.
0820      ENDIF.

0830      *----- F o r m A d r e s s e -----*
0840      FORM ADRESSE.
0850      WRITE:
0860          / 'Anrede.....'(013) INTENSIFIED OFF,
0870          KA-ANRED INTENSIFIED,
0880          / 'Name 1.....'(015) INTENSIFIED OFF,
0890          KA-NAME1 INTENSIFIED,
0900          / 'Name 2.....'(016) INTENSIFIED OFF,
0910          KA-NAME2 INTENSIFIED,
0920          / 'Strasse.....'(017) INTENSIFIED OFF,
0930          KA-STRAS INTENSIFIED,
0940          / 'Postfach.....'(018) INTENSIFIED OFF,
0950          KA-PFACH INTENSIFIED,
0960          / 'Ort.....'(019) INTENSIFIED OFF,
0970          KA-ORT01 INTENSIFIED,
0980          / 'Land.....'(020) INTENSIFIED OFF,
0990          KA-LAND1 INTENSIFIED.
1000      ENDFORM.

1010      *----- F o r m B a n k -----*
1020      FORM BANK.
1040      FORMAT INTENSIFIED OFF.
1050      WRITE:
1060          / 'Bankkonto.....'(042), KA-BANKN,
1070          / 'Bankleitzahl....'(044), KA-BANKL,
1080          / 'Bankanschrift...'(046), KA-BANKA,
1090          / 'Bankland.....'(047), KA-BANKS,
1100          / 'Postscheckkonto.'(048), KA-PSKT0.
1110      ENDFORM.
```

Programm U-UM-001 (RFSCHU10)

```
0010  REPORT RFSCHU10.
0020  SEGMENTS: KA, KB, KC.

0030  DATA: TDM-UMSATZ TYPE P.

0040  SELECT-OPTIONS: TDM FOR TDM-UMSATZ.

0050  GET KC.
0060      TDM-UMSATZ = KUMUM / 1000 / 100 * -1.
0070  CHECK TDM.
0080  FORMAT INTENSIFIED OFF.
0090  WRITE:      KA-KTNRA,
0100              KA-NAME1,
0110              KB-BUKRB,
0120              KC-JAHRC,
0130              60 TDM-UMSATZ.
```

Programm U-UM-002 (RFSCHU09)

```
0010  REPORT RFSCHU09.
0020  SEGMENTS: KA, KB, KC.

0030  GET KC.
0040      CHECK: JAHRC = '1990', KUMUM < -100000.
0050  DETAIL.
0060  WRITE: KA-KTNRA, KA-NAME1, KB-BUKRB,
0070          JAHRC, 60 KUMUM.
```

Programm U-UM-003 (RFSCHU16)

```
0010  REPORT RFSCHU16.
0020  SEGMENTS: KA, BK, BP, GP, SA.

0030  GET BK.
0040      WRITE: BK-BELNR, BK-BUDAT DD/MM/YY, BK-BLART.

0050  GET BP.
0060      WRITE: /10 BP-LIFNR USING NO EDIT MASK,
0070              (40) KA-NAME1, BP-DMSHB.

0080  GET GP.
0090      CHECK KOART = 'S'.
0100      MOVE HKONT TO SA-KTNRA.
0110      READ SEGMENT SA.
0120      DETAIL.
0130      WRITE: /10 GP-HKONT, (40) SA-SKBEZ, GP-DMSHB.
```

Programm U-UM-004 (RFSCHU06)

```
0010  REPORT RMSCHU06.
0020  SEGMENTS: MA, MC, MR.

0030  GET MA.
0040      NEW-PAGE.

0050  GET MR.
0060      DETAIL.
0070      WRITE:
0180          BUKRS,
0190          WERKS,
0100          RESNR,
0110          RSDAT DD/MM/YYYY,
0120          STATU,
0130          WKDAT DD/MM/YYYY,
0140          MENGE,
0150          ENMNG,
0160          MEINS.
0170      SKIP 1.
```

Fortsetzung Programm U-UM-004 (RFSCHU06)

```
0180  GET MC LATE.
0190      CHECK RESME NE 0.
0200      NEW-PAGE NO-HEADING.
0210      WRITE:
0220          TEXT-009,
0230          WERKC,
0240          / TEXT-010,
0250          RESME,
0260          MEINS.
0270      NEW-PAGE WITH-HEADING.

0280  TOP-OF-PAGE.
0290      WRITE:
0300          TEXT-008,
0310          (18) IDNRC.
0320      ULINE.

0330  END-OF-PAGE.
0340      WRITE 'U E B E R L A U F Z E I L E'.
0350  END-OF-SELECTION.
0360      NEW-PAGE NO-HEADING.
0370      WRITE:
0380          TEXT-001,
0390          / TEXT-002,
0400          MD/IDNR1,
0410          / TEXT-003,
0420          MD/IDNR2,
0430          / TEXT-004,
0440          MD/BUKR1,
0450          / TEXT-005,
0460          MD/BUKR2,
0470          / TEXT-006,
0480          MD/WERK1,
0490          / TEXT-007,
0400          MD/WERK2.
0510      NEW-PAGE.
```

Programm U-UM-005 (RMSCHU39)

```
0010  REPORT RMSCHU39.

0020  SEGMENTS: MA, MB, BV.

0030  DATA:
0040          BEGIN OF EINZEL-SATZ,
0050          LENGTH(4),
0060          MATNR,
0070          BUKRS,
0080          WERKS,
0090          LFDAT,
0100          PSTYP,
0110          BAMNG,
0120          END OF EINZEL-SATZ,
0130          BEGIN OF SUMMEN-SATZ OCCURS 1000,
0140          LENGTH(4),
0150          MATNR,
0160          LFDAT,
0170          BAMNG,
0180          END OF SUMMEN-SATZ,
0190          SPOOLNR1 LIKE SY-SPONR,
0200          SPOOLNR2 LIKE SY-SPONR.

0210  SELECT-OPTIONS:
0220      KONTI FOR PSTYP.

0230  PARAMETERS:
0240      EXTRAKT1(6) TYPE C DEFAULT 'E-SATZ',
0250      EXTRAKT2(6) TYPE C DEFAULT 'S-SATZ'.

0260  START-OF-SELECTION.
0270      SET PF-STATUS '0001'.

0280  GET MA.
0290      CHECK SELECT-OPTIONS.

0300  GET MB.
0310      CHECK SELECT-OPTIONS.
```

Fortsetzung Programm U-UM-005 (RMSCHU39)

```
0320  GET BV.
0330    CHECK SELECT-OPTIONS.
0340    FILL EINZEL-SATZ.
0350    TRANSFER EINZEL-SATZ TO EXTRAKT1.
0360    FILL SUMMEN-SATZ.
0370    COLLECT SUMMEN-SATZ.
0380    WRITE:
0390          (18) MATNR,
0400          BANFN,
0410          LFDAT DD/MM/YY,
0420          PSTYP,
0430          BAMNG.

0440  END-OF-SELECTION.
0450    MOVE SY-SPONR TO SPOOLNR1.
0460    NEW-PAGE.
0470    LOOP AT SUMMEN-SATZ.
0480      AT NEW LFDAT.
0490        TRANSFER SUMMEN-SATZ TO EXTRAKT2.
0500      ENDAT.
0510      WRITE:
0520            /(18) SUMMEN-SATZ-MATNR,
0530            SUMMEN-SATZ-LFDAT DD/MM/YY UNDER LFDAT,
0540            SUMMEN-SATZ-BAMNG UNDER BAMNG.
0550    ENDLOOP.
0560    MOVE SY-SPONR TO SPOOLNR2.

0570  AT PF15.
0580    SET PF-STATUS '0002'.
0590    WRITE 'Extrakt-Protokoll Einzelstze'(001).
0600    DO.
0610      READ DATASET SPOOLNR1 INTO EINZEL-SATZ.
0620      IF SY-SUBRC NE 0.
0630        EXIT.
0640      ENDIF.
0650      WRITE:
0660            / SY-INDEX,
0670            EINZEL-SATZ.
0680    ENDDO.
0690    NEW-PAGE.
0700    WRITE 'Extrakt-Protokoll Summenstze'(002).
```

Fortsetzung Programm U-UM-005 (RMSCHU39)

```
0710    DO.  
0720        READ DATASET SPOOLNR2 INTO SUMMEN-SATZ.  
0730        IF SY-SUBRC NE 0.  
0740            EXIT.  
0750        ENDIF.  
0760        WRITE:  
0770            / SY-INDEX,  
0780            SUMMEN-SATZ.  
0790    ENDDO.
```

Programm U-UM-006 (RFSCHU35)

```
0010  REPORT RFSCHU35.

0020  TABLES: TRDIR.
0030  DATA: BEGIN OF TEXT_TAB OCCURS 50,
0040           ID, NR(8), TEXT(132),
0050           END OF TEXT_TAB.
0060  DATA: BEGIN OF CODE_TAB OCCURS 1000,
0070           TEXT(132),
0080           END OF CODE_TAB.
0090  DATA: TITEL(70).
0100  DATA: NAME1 LIKE TRDIR-NAME, NAME2 LIKE TRDIR-NAME.

0110  PARAMETERS: REPORT LIKE TRDIR-NAME DEFAULT 'RFSCHU'.

0120  * -- display list ----- *
0130  MOVE REPORT TO NAME1.
0140  TRANSLATE NAME1 USING '* '.
0150  MOVE NAME1 TO NAME2.
0160  TRANSLATE NAME2 USING ' 9'.

0170  SELECT * FROM TRDIR
0180           WHERE NAME BETWEEN NAME1 AND NAME2.
0190  REFRESH TEXT_TAB.
0200  READ TEXTPOOL TRDIR-NAME LANGUAGE SY-LANGU
0210           INTO TEXT_TAB.
0220  MOVE SPACE TO TITEL.
0230  CLEAR TEXT_TAB.
0240  READ TABLE TEXT_TAB WITH KEY 'R'.
0250  MOVE TEXT_TAB-TEXT TO TITEL.
0260  WRITE: TRDIR-NAME, (68) TITEL.
0270  ENDSELECT.

0280  MOVE SPACE TO TRDIR-NAME.

0290  AT LINE-SELECTION.
0300  CHECK TRDIR-NAME NE SPACE.
0310  READ REPORT TRDIR-NAME INTO CODE_TAB.
0320  NEW-PAGE PRINT ON LINE-COUNT 65.
```


Fortsetzung Programm U-UM-006 (RFSCHU35)

```
0330    LOOP AT CODE_TAB.
0340        WRITE _ CODE_TAB-TEXT.
0350    ENDLOOP.

0360    NEW-PAGE PRINT OFF.
0370    WINDOW STARTING AT 1 23
0380        ENDING AT79 23.
0390    WRITE: 'Report'(001), TRDIR-NAME, 'gedruckt.'(002).
0400    ADD 1 TO SY-CUROW.
0410    IF SY-CUROW >= 23.
0420        SY-CUROW = 24.
0430        SY-CUCOL = 5.
0440    ENDIF.
0450    SET CURSOR SY-CUCOL SY-CUROW.
0460    MOVE SPACE TO TRDIR-NAME.
```

Programm U-UM-007 (RFSCHU39)

```
0010    REPORT RFSCHU39.
0020    SEGMENTS: KA.
0030    DATA:      BEGIN OF TAB OCCURS 5,
0040                DYNPRO(2000),
0050                END OF TAB,
0060                RETURN/CODE LIKE SY-SUBRC.
0070    DYNPROS:    D02041, D02060.
0080    TABLES:    T100.

0090    GET KA.
0100    CHECK KA-LAND1 = 'D' AND KA-REGIO = SPACE.

0110    MOVE: KA-KTNRA TO D02041-KTNRA,
0120        '01'      TO D02041-VCODE.
0130    MOVE D02041 TO TAB-DYNPRO.
0140    APPEND TAB.

0150    IF KA-PSTLZ(1) BETWEEN '1' AND '5'.
0160        MOVE: '01' TO D02060-REGIO.
0170    ELSE.
0180        MOVE: '02' TO D02060-REGIO.
0190    ENDIF.
```

Fortsetzung Programm U-UM-007 (RFSCHU39)

```
0200    MOVE D02060 TO TAB-DYNPRO.
0210    APPEND TAB.

0220    WRITE: / KA-KTNRA USING NO EDIT MASK,
0230           KA-NAME1, KA-PLORT, KA-LAND1.

0240    CALL TRANSACTION 'TS02' USING TAB MODE 'S'.
0250    RETURN/CODE = SY-SUBRC.

0260    MOVE SY-LANGU TO T100-SPRSL.
0270    MOVE SY-MSGID TO T100-ARBGB.
0280    MOVE SY-MSGNO TO T100-MSGNR.
0290    READ TABLE T100.
0300    REPLACE '$' WITH SY-MSGV1 INTO T100-TEXT.

0310    CASE RETURN/CODE.
0320        WHEN 0.
0330            WRITE: / 'O.K', SY-MSGNO, (60) T100-TEXT.
0340        WHEN 4.
0350            WRITE: / 'Error', SY-MSGNO, (60) T100-TEXT.
0360        WHEN 8.
0370            WRITE: / 'Error in update task'.
0380    ENDCASE.

0390    REFRESH TAB.
```

Programm U-UM-008 (RFSCHU42)

```
0010  REPORT RFSCHU42.
0020  SEGMENTS: LH.

0030  DATA: BEGIN OF SATZ,
0040           RDW(4), TABLE(4), MODID(1), DATUM TYPE D,
0050           USER LIKE LH-BNAME, NEW(80), OLD(80),
0060           END OF SATZ.

0070  DATA: TABNAME(4),
0080           BEGIN OF STAT OCCURS 500,
0090           TABLE(4), ATTACH(3) TYPE P, INSERT(3) TYPE P,
0100           UPDATE(3) TYPE P, DELETE(3) TYPE P,
0110           END OF STAT.

0120  PARAMETERS: NAME(6) DEFAULT 'SAPV01'.

0130  DO.
0140    READ DATASET NAME INTO SATZ.
0150    IF SY-SUBRC NE 0.  EXIT.  ENDIF.
0160    CHECK SATZ-TABLE NE SPACE.
0170    MOVE SATZ-TABLE TO STAT-TABLE.
0180    STAT-INSERT = STAT-UPDATE = STAT-DELETE = 0.
0190    MOVE 1 TO STAT-ATTACH.

0200    CASE SATZ-MODID.
0210      WHEN 'I'. MOVE 1 TO STAT-INSERT.
0220      WHEN 'U'. MOVE 1 TO STAT-UPDATE.
0230      WHEN 'D'. MOVE 1 TO STAT-DELETE.
0240    ENDCASE.
0250    COLLECT STAT.

0260    IF TABNAME NE SATZ-TABLE.
0270      SKIP 2.
0280      MOVE SATZ-TABLE TO TABNAME.
0290      RESERVE 5 LINES.
0300      WRITE: 'Tabelle'(001), SATZ-TABLE.
0310      SKIP.
0320    ENDIF.
```

Fortsetzung Programm U-UM-008 (RFSCHU42)

```
0330    IF SATZ-MODID = 'D'.
0340        MOVE SATZ-OLD TO SATZ-NEW.
0350        MOVE SPACE TO SATZ-OLD.
0360    ENDIF.

0370    WRITE:  SATZ-DATUM DD/MM/YY,
0380            SATZ-USER,
0390            SATZ-MODID,
0400            / SATZ-NEW,
0410            / SATZ-OLD.
0420    ENDDO.

0430    TABNAME = SPACE.
0440    NEW-PAGE NO-HEADING.
0450    WRITE 'Zugriffsstatistik'(002).
0460    WRITE 'Tabelle Zugriffe(gesamt)      Insert'
0470            Update      Delete'(003).

0480    SORT STAT.

0490    LOOP AT STAT.
0500        NEW-LINE.
0510        WRITE:  STAT-TABLE,
0520                13 STAT-ATTACH,
0530                30 STAT-INSERT,
0540                42 STAT-UPDATE,
0550                52 STAT-DELETE.
0560    ENDLLOOP.

0570    TOP-OF-PAGE.
0580    IF TABNAME NE SPACE.
0590        WRITE: 'Tabelle'(001), SATZ-TABLE.
0600    ENDIF.
```

Programm U-UM-009 (RFSCHU72)

```
0010  REPORT RFSCHU72.
0020  SEGMENTS: KA.

0030  TABLES: INDX.

0040  DATA: BEGIN OF RANG OCCURS 10,
0050           KTNRA, NAME1, UMSATZ TYPE P DECIMALS 2,
0060           END OF RANG,

0070           BEGIN OF KEY,
0080           DBNAME(4), INDEXNAME(18),
0090           END OF KEY.

0100  MOVE 'LIFA' TO KEY-DBNAME.
0110  MOVE 'RANGLISTE' TO KEY-INDEXNAME.

0120  IMPORT RANG
0130           FROM DATABASE INDX(IX) ID KEY.

0140  IF SY-SUBRC NE 0.
0150      WRITE: 'Falscher Index'.
0160      STOP.
0170  ENDIF.

0180  LOOP AT RANG.
0190      WRITE: /(4) SY-TABIX NO-SIGN.
0200      WRITE: RANG-KTNRA, RANG-NAME1, RANG-UMSATZ.
0210  ENDLOOP.
0220  SKIP.
0230  ULINE.
0240  WRITE: 'Erstellungsdatum:'(001),
0250           INDX-AEDAT DD/MM/YY,
0260           / 'Ersteller:'(002),
0270           INDX-USERA UNDER INDX-AEDAT.
```

Programm U-UM-010 (RMSCHU25)

```
0010  REPORT RMSCHU25.

0020  SEGMENTS: KA, KB, KC.

0030  DATA: UMSATZSOLL   LIKE UM01S,
0040           UMSATZHABEN LIKE UM01H,
0050           UMSATZ      LIKE KUMUM,
0060           PNULL       TYPE P,
0070           MONAT(2)     TYPE P,
0080           JAHRL(2)     TYPE P.

0090  SELECT-OPTIONS:
0100      LAND FOR KA-LAND1.

0110  PARAMETERS:
0120      MONATE(2) DEFAULT '12'.

0130  START-OF-SELECTION.
0140      IF MONATE GT '12'.
0150          NEW-PAGE NO-HEADING.
0160          SKIP TO LINE 14.
0170          POSITION 15.
0180          WRITE:
0190              'Parameter Monatswert" muss kleiner/
0200                  gleich 12 sein'(001).
0220          POSITION 15.
0230          WRITE:
0240              / 'eingegebener Wert:'(002),
0250              MONATE.
0260          STOP.
0270      ENDIF.

0270  GET KA.
0280      CHECK SELECT-OPTIONS.

0290  GET KC.
0300      NEW-PAGE.
0310      CHECK SELECT-OPTIONS.
0320      MOVE SY-DATUM+4(2) TO MONAT.
0330      MOVE SY-DATUM+2(2) TO JAHRL.
```

Fortsetzung Programm U-UM-010 (RMSCHU25)

```
0340    WRITE:
0350          BUKRC,
0360          JAHRC,
0370          12 KTNRC,
0380          NAME1,
0390          /21 PLORT.
0400    ULINE.
0410    DETAIL.
0420    DO MONATE TIMES VARYING UMSATZSOLL FROM UM01S NEXT UM02S
0430          VARYING UMSATZHABEN FROM UM01H NEXT UM02H.
0440      MONAT = MONAT - 1.
0450      IF MONAT = PNULL.
0460          MONAT = 12.
0470          JAHRL = JAHRL - 1.
0480      ENDIF.
0490      UMSATZ = UMSATZHABEN - UMSATZSOLL.
0500      WRITE:
0510          /          'Monat' (003),
0520          (3) MONAT,
0530          15(3) JAHRL,
0540          30    UMSATZSOLL,
0550          UMSATZHABEN,
0560          UMSATZ.
0570    ENDDO.
```

Programm U-UM-011 (RFSCHU19)

```
0010  REPORT RMSCHU19.

0020  SEGMENTS: MA, IE.

0030  DATA: BEGIN OF RANGLISTE OCCURS 50,
0040           BSTNR,
0050           MENGE,
0060           END OF RANGLISTE,
0070           FLAG,
0080           RANG TYPE P.

0090  GET IE.
0100    CHECK LVKNZ NE 'L'.
0110    CHECK MENGE GT 0.
0120    FILL RANGLISTE.
0130    COLLECT RANGLISTE SORTED BY MENGE.
0140    MOVE 'J' TO FLAG.

0150  GET MA LATE.
0160    CHECK FLAG EQ 'J'.
0170    MOVE SPACE TO FLAG.
0180    NEW-PAGE.
0190    WRITE:   'Materialnummer:  '(004),
0200           (18) IDNRA,
0210           / 'Materialbez.:  '(005),
0220           17 KTX01.
0230    ULINE.
0240    WRITE: / TEXT-001,
0250           TEXT-002,
0260           27 TEXT-003.
0270    ULINE.
0280    DETAIL.
0290    LOOP AT RANGLISTE.
0300      RANG = RANG + 1.
0310      WRITE:
0320          /(2) RANG NO-SIGN,
0330          RANGLISTE-BSTNR,
0340          30(16) RANGLISTE-MENGE.
0350    ENDLOOP.
0360    REFRESH RANGLISTE.
0370    RANG = 0.
```


Programm U-UM-012 (RFSCHU24)

```
0010  REPORT RMSCHU24.

0020  SEGMENTS: MR.

0030  DATA: KONTIERUNG(24).

0040  SELECT-OPTIONS: RES-KZ FOR RSVKZ,
0050                   RES-STAT FOR STATU.

0060  GET MR.
0070    CHECK SELECT-OPTIONS.
0080    CASE RSVKZ.
0090      WHEN 'A'. MOVE MR-KDBUK TO KONTIERUNG.
0100                MOVE '/'      TO KONTIERUNG+2(1).
0110                MOVE MR-KDANR TO KONTIERUNG+3.
0120                MOVE '/'      TO KONTIERUNG+11(1).
0130                MOVE MR-KDHPS TO KONTIERUNG+12(4).
0140                MOVE '/'      TO KONTIERUNG+16(1).
0150                MOVE MR-KDUPS TO KONTIERUNG+17(4).
0160      WHEN 'D'. MOVE MR-KUNNR TO KONTIERUNG.
0170      WHEN 'F'. MOVE MR-AUFNR TO KONTIERUNG.
0180                MOVE '/'      TO KONTIERUNG+8(1).
0190                MOVE MR-AUFPS TO KONTIERUNG+9(2).
0200      WHEN 'I'. MOVE MR-ANLN1 TO KONTIERUNG.
0210                MOVE '/'      TO KONTIERUNG+8(1).
0220                MOVE MR-ANLN2 TO KONTIERUNG+9.
0230      WHEN 'K'. MOVE MR-KOSTL TO KONTIERUNG.
0240      WHEN 'O'. MOVE MR-TPANR TO KONTIERUNG.
0250      WHEN 'P'. MOVE MR-PROJN TO KONTIERUNG.
0260      WHEN 'T'. MOVE MR-TPANR TO KONTIERUNG.
0270      WHEN 'U'. MOVE MR-WRKUM TO KONTIERUNG.
0280                MOVE '/'      TO KONTIERUNG+2(1).
0290                MOVE MR-LGOUN TO KONTIERUNG+3.
0300      WHEN 'W'. MOVE SPACE TO KONTIERUNG.
0310      WHEN OTHERS. MOVE '??????' TO KONTIERUNG.
0320    ENDCASE.
0330    WRITE:
0340          (18) ARTNR,
0350          / RESNR,
0360          RSDAT DD/MM/YY,
0370          WKDAT DD/MM/YY,
0380          STATU,
```

Programm U-UM-012 (RFSCHU24)

```
0390          MENGE,
0400          ENMNG,
0410  *(DEL)    WAMNG,
0420          57 RSVKZ,
0430          64 KONTIERUNG.
0440    SKIP.
0450  END-OF-SELECTION.
0460  NEW-PAGE NO-HEADING.
0470    WRITE:
0480          / 'Datenbankspezifische Abgrenzungen' (011),
0490          / TEXT-001,
0500          (18) MD/IDNR1,
0510          / TEXT-002,
0520          (18) MD/IDNR2,
0530          / TEXT-003,
0540          MD/BUKR1,
0550          / TEXT-004,
0560          MD/BUKR2,
0570          / TEXT-005,
0580          MD/WERK1,
0590          / TEXT-006,
0600          MD/WERK2,
0610          / TEXT-007,
0620          MD/LORT1,
0630          / TEXT-008,
0640          MD/LORT2,
0650          / TEXT-009,
0660          MD/MAC01,
0670          / TEXT-010,
0680          MD/MAC02.
0690    ULINE.
0700    WRITE:
0710          / 'Reportspezifische Abgrenzungen' (012),
0720          / 'Kontierungskennzeichen' (013),
0730          RES-KZ-LOW,
0740          RES-KZ-HIGH,
0750          / 'Reservierungsstatus' (014),
0760          RES-STAT-LOW,
0770          RES-STAT-HIGH.
```

Programm U-UM-013 (RFSCHU27)

```
0010  REPORT RMSCHU27.

0020  SEGMENTS: MA,
0030             MB,
0040             BV,
0050             *IE.

0060  DATA: BEGIN OF COMMON PART,
0070             BUKREIS LIKE BUKRB,
0080             MATERIAL LIKE IDNRA,
0090             END OF COMMON PART.
0100  DATA: FLAG TYPE C VALUE 'N'.

0110  SELECT-OPTIONS:
0120      MAT-ARTFOR MTART,
0130      MATKLASFOR MATKL,
0140      EINK-GRP FOR EKGRP.

0150  GET MA.
0160      CHECK SELECT-OPTIONS.

0170  GET MB.
0180      CHECK SELECT-OPTIONS.
0190      NEW-PAGE.
0200      WRITE:
0210              BUKRB,
0220              (18) IDNRB,
0230              EKGRP,
0240              MTART,
0250              MATKL,
0260              (37) KTX01.
0270      HIDE: BUKRB, IDNRB.
0280      ULINE.

0290  GET BV.
0300      CHECK SELECT-OPTIONS.
0310      CHECK BSTAT EQ 'A' OR BSTAT EQ 'N'.
0320      DETAIL.
```

Fortsetzung Programm U-UM-013 (RFSCHU27)

```
0330    WRITE: BUKRS,
0340          WERKS,
0350          BANFN,
0360          BADAT DD/MM/YY,
0370          BAMNG,
0380          MEINS,
0390          SBNAM.
0400    HIDE: BUKRB, IDNRB.

0410  AT LINE-SELECTION.
0420    MOVE BUKRB TO BUKREIS.
0430    MOVE IDNRB TO MATERIAL.

0440    MOVE: BUKREIS  TO *IE-BUKRS,
0450          MATERIAL TO *IE-IDTNR,
0460          'L'      TO *IE-INFKZ.
0470    FOR ALL *IE.
0480      MOVE 'J' TO FLAG.
0490      WRITE:
0500          / *IE-LIFNR.
0510      IF *IE-BNEPR NE PNULL.
0520        WRITE:
0530            *IE-BNEPR.
0540      ELSE.
0550        WRITE:
0560            *IE-NEPRS.
0570      ENDIF.
0580      WRITE:
0590          *IE-WAERS,
0600          *IE-BSTNR,
0610          *IE-LBDAT DD/MM/YY,
0620          *IE-MENGE.
0630    ENDFOR.
0640    IF FLAG EQ 'N'.
0650      WRITE: 'zu Material'(001),
0660            MATERIAL,
0670            'in Buchungskreis'(002),
0680            BUKREIS,
0690            'keine Info-Saetze vorhanden'(003).
0700    ENDIF.
```

Programm U-UM-014 (RFSCHU28)

```
0010  REPORT RMSCHU28.

0020  SEGMENTS: MA,
0030             MB,
0040             *IE.

0050  DATA: BEGIN OF COMMON PART,
0060             BUKREIS LIKE BUKRB,
0070             MATERIAL LIKE IDNRA,
0080             END OF COMMON PART.
0090  DATA: PNULL TYPE P.
0100  DATA: FLAG TYPE C VALUE 'N'.

0110  SELECT-OPTIONS:
0120  EINK-GRP FOR EKGRP.

0130  GET MB.
0140  CHECK SELECT-OPTIONS.
0150  WRITE:
0160             BUKRB,
0170             (18) IDNRB,
0180             EKGRP,
0190             MTART,
0200             MATKL,
0210             (37) KTX01.
0220  HIDE : BUKRB, IDNRB.

0230  AT LINE-SELECTION.
0240  MOVE BUKRB TO BUKREIS.
0250  MOVE IDNRB TO MATERIAL.
0260  MOVE: BUKREIS TO *IE-BUKRS,
0270             MATERIAL TO *IE-IDTNR,
0280             'L' TO *IE-INFKZ.
0290  FOR ALL *IE.
0300  MOVE 'J' TO FLAG.
0310  WRITE:
0320             / *IE-LIFNR.
```

Fortsetzung Programm U-UM-014 (RFSCHU28)

```
0330      IF *IE-BNEPR NE PNULL.
0340          WRITE:
0350              *IE-BNEPR.
0360      ELSE.
0370          WRITE:
0380              *IE-NEPRS.
0390      ENDIF.
0400      WRITE:
0410          *IE-WAERS,
0420          *IE-BSTNR,
0430          *IE-LBDAT DD/MM/YY,
0440          *IE-MENGE.
0450      ENDFOR.
0460      IF FLAG EQ 'N'.
0470          WRITE: 'zu Material'(001),
0480              MATERIAL,
0490              'in Buchungskreis'(002),
0500              BUKREIS,
0510              'keine Info-Saetze vorhanden'(003).
0520      ENDIF.

0530  TOP-OF-PAGE DURING LINE-SELECTION.
0540      WRITE:
0550          TEXT-004.
0560      ULINE.
```

Programm U-UM-015 (RFSCHU64)

```
0010  REPORT RFSCHU64.
0020  SEGMENTS: KA, HF.
0030  DATA: OBLIGO TYPE P,
0040          TDM-OBLIGO TYPE P,
0050          BEGIN OF P OCCURS 400,
0060          BELNR, BUZEI, BUDAT, ZUONR, DMSHB, SHKZG,
0070          END OF P.

0080  SELECT-OPTIONS T-OBLIGO FOR TDM-OBLIGO.

0090  FIELD-GROUPS: HEADER,
0100                  LIEFERANT,
0110                  POSTEN.

0120  INSERT OBLIGO KA-KTNRA HF-DMSHB INTO HEADER.
0130  INSERT KA-NAME1 KA-PLORT KA-STRAS INTO LIEFERANT.
0140  INSERT HF-BELNR HF-BUZEI HF-BUDAT
0150          HF-ZUONR INTO POSTEN.

0160  GET KA.
0170  CLEAR OBLIGO.
0180  REFRESH P.

0190  GET HF.
0200  CHECK: AUGLZ = 0.
0210  ADD DMSHB TO OBLIGO.
0220  FILL P.
0230  APPEND P.

0240  GET KA LATE.
0250  TDM-OBLIGO = OBLIGO / 100000 * -1.
0260  CHECK T-OBLIGO.
0270  EXTRACT LIEFERANT.
0280  LOOP AT P.
0290      MOVE: P-BELNR TO HF-BELNR,
0300            P-BUZEI TO HF-BUZEI,
0310            P-SHKZG TO HF-SHKZG,
0320            P-BUDAT TO HF-BUDAT,
0330            P-ZUONR TO HF-ZUONR,
0340            P-DMSHB TO HF-DMSHB.
0350  EXTRACT POSTEN.
0360  ENDLOOP.
```

Fortsetzung Programm U-UM-015 (RFSCHU64)

```
0370  END-OF-SELECTION.
0380      SORT.
0390      LOOP.
0400          AT LIEFERANT.
0410              NEW-PAGE.
0420              SUMMARY.
0430              WRITE:    KA-KTNRA, KA-NAME1,
0440                      40 OBLIGO CURRENCY LOCAL,
0450                      /   KA-STRAS UNDER KA-NAME1,
0460                      /   KA-PLORT UNDER KA-NAME1.
0470          ENDAT.
0480          AT POSTEN.
0490              DETAIL.
0500              WRITE: HF-BELNR UNDER KA-NAME1,
0510                      HF-BUZEI, HF-BUDAT, HF-ZUONR,
0520                      HF-DMSHB.
0530          ENDAT.
0540          AT LAST.
0550              SUMMARY.
0560              SKIP.
0570              WRITE: 'Insgesamt:'(001),
0580                      SUM(HF-DMSHB) CURRENCY LOCAL UNDER HF-DMSHB.
0590          ENDAT.
0600      ENDLOOP.
```


Programm U-M-001 (RFSCHU27)

```
0010  REPORT RMSCHU27.

0020  SEGMENTS: MA,
0030             MB,
0040             BV,
0050             *IE.

0060  DATA: BEGIN OF COMMON PART,
0070             BUKREIS LIKE BUKRB,
0080             MATERIAL LIKE IDNRA,
0090             END OF COMMON PART.

0100  SELECT-OPTIONS:
0110      MAT-ARTFOR MTART,
0120      MATKLASFOR MATKL,
0130      EINK-GRP FOR EKGRP.

0140  GET MA.
0150      CHECK SELECT-OPTIONS.

0160  GET MB.
0170      CHECK SELECT-OPTIONS.
0180      NEW-PAGE.
0190      PERFORM MATZEILE.
0200      HIDE: BUKRB, IDNRB.
0210      ULINE.

0220  GET BV.
0230      CHECK SELECT-OPTIONS.
0240      CHECK BSTAT EQ 'A' OR BSTAT EQ 'N'.
0250      DETAIL.
0260      WRITE: BUKRS,
0270             WERKS,
0280             BANFN,
0290             BADAT DD/MM/YY,
0300             BAMNG,
0310             MEINS,
0320             SBNAM.
0330      HIDE: BUKRB, IDNRB.
```

Fortsetzung Programm U-M-001 (RFSCHU27)

```
0340  AT LINE-SELECTION.
0350      MOVE BUKRB TO BUKREIS.
0360      MOVE IDNRB TO MATERIAL.
0370      PERFORM ANGEBOT.
0380  FORM ANGEBOT.
0390      DATA: FLAG TYPE C VALUE 'N'.

0400      MOVE: BUKREIS  TO *IE-BUKRS,
0410             MATERIAL TO *IE-IDTNR,
0420             'L'      TO *IE-INFKZ.
0430      FOR ALL *IE.
0440          MOVE 'J' TO FLAG.
0450          WRITE: / *IE-LIFNR.
0460          IF *IE-BNEPR NE PNULL.
0470              WRITE: *IE-BNEPR.
0480          ELSE.
0490              WRITE: *IE-NEPRS.
0500          ENDIF.
0510          WRITE: *IE-WAERS,
0520                  *IE-BSTNR,
0530                  *IE-LBDAT DD/MM/YY,
0540                  *IE-MENGE.
0550      ENDFOR.
0560      IF FLAG EQ 'N'.
0570          WRITE: 'zu Material'(001),
0580                  MATERIAL,
0590                  'in Buchungskreis'(002),
0600                  BUKREIS,
0610                  'keine Info-Saetze vorhanden'(003).
0620      ENDIF.
0630  ENDFORM.

0640  FORM MATZEILE.
0650      WRITE: BUKRB,
0660             (18) IDNRB,
0670             EKGRP,
0680             MTART,
0690             MATKL,
0700             (37) KTX01.
0710      HIDE : BUKRB, IDNRB.
0720  ENDFORM.
```

Programm U-M-002 (RFSCHU28)

```
0010  REPORT RMSCHU28.

0020  SEGMENTS: MA,
0030             MB,
0040             *IE.

0050  DATA: BEGIN OF COMMON PART,
0060             BUKREIS LIKE BUKRB,
0070             MATERIAL LIKE IDNRA,
0080             END OF COMMON PART.
0090  DATA: PNULL TYPE P.

0100  SELECT-OPTIONS:
0110      EINK-GRP FOR EKGRP.

0120  GET MB.
0130      CHECK SELECT-OPTIONS.
0140      PERFORM MATZEILE.

0150  AT LINE-SELECTION.
0160      MOVE BUKRB TO BUKREIS.
0170      MOVE IDNRB TO MATERIAL.
0180      PERFORM ANGEBOT.

0190  FORM MATZEILE.
0200      WRITE:
0210          BUKRB,
0220          (18) IDNRB,
0230          EKGRP,
0240          MTART,
0250          MATKL,
0260          (37) KTX01.
0270      HIDE : BUKRB, IDNRB.
0280  ENDFORM.

0290  FORM ANGEBOT.
0300      DATA: FLAG TYPE C VALUE 'N'.

0310      MOVE: BUKREIS TO *IE-BUKRS,
0320             MATERIAL TO *IE-IDTNR,
0330             'L' TO *IE-INFKZ.
```

Fortsetzung Programm U-M-002 (RFSCHU28)

```
0340    FOR ALL *IE.
0350        MOVE 'J' TO FLAG.
0360        WRITE:
0370            / *IE-LIFNR.
0380        IF *IE-BNEPR NE PNULL.
0390            WRITE:
0400                *IE-BNEPR.
0410        ELSE.
0420            WRITE:
0430                *IE-NEPRS.
0440        ENDIF.
0450        WRITE:
0460            *IE-WAERS,
0470            *IE-BSTNR,
0480            *IE-LBDAT DD/MM/YY,
0490            *IE-MENGE.
0500    ENDFOR.
0510    IF FLAG EQ 'N'.
0520        WRITE: 'zu Material'(001),
0530            MATERIAL,
0540            'in Buchungskreis'(002),
0550            BUKREIS,
0560            'keine Info-Saetze vorhanden'(003).
0570    ENDIF.
0580    ENDFORM.

0590    TOP-OF-PAGE DURING LINE-SELECTION.
0600        WRITE:
0610            TEXT-004.
0620        ULINE.
```

Programm U-M-003 (RMSCHU30)

```
0010  REPORT RMSCHU30.

0020  SEGMENTS: MA,
0030           MB,
0040           BV,
0050           *MC,
0060           *IE.

0070  DATA:
0080           Y1(2) TYPE P,
0090           Y2(2) TYPE P,
0100           X1(2) TYPE P,
0110           X2(2) TYPE P,
0120           LOOPIND(2) TYPE P,
0130           NAME(8) TYPE C VALUE 'RMSCHU60',

0140           BEGIN OF LIFTAB OCCURS 20,
0150               LIFNR LIKE *IE-LIFNR,
0160               NEPRS LIKE *IE-NEPRS,
0170               BNEPR LIKE *IE-BNEPR,
0180               WAERS LIKE *IE-WAERS,
0190               PEINH LIKE *IE-PEINH,
0200               MEINS LIKE *IE-MEINS,
0210           END OF LIFTAB,

0220           PF23COUNT(2) TYPE P VALUE 1,
0230           MAXIND(2) TYPE P VALUE 1,
0240           STARTIND(2) TYPE P.

0250  SELECT-OPTIONS:
0260               EINK-GRP FOR EKGRP,
0270               MAT-ART FOR MTART,
0280               MAT-KLAS FOR MATKL.

0290  TOP-OF-PAGE.
0300  SKIP TO LINE 23.
0310  WRITE 34 'PF8 => Menue' (001).
0320  SKIP TO LINE 6.
```

Fortsetzung Programm U-M-003 (RMSCHU30)

```
0330  GET MA.
0340      CHECK SELECT-OPTIONS.

0350  GET MB.
0360      CHECK SELECT-OPTIONS.

0370  GET BV.
0380      CHECK SELECT-OPTIONS.
0390      CHECK BSTAT EQ 'A' OR BSTAT EQ 'N'.
0400      DETAIL.
0410      WRITE:
0420          BUKRS,
0430          WERKS,
0440          (18) MATNR,
0450          BANFN,
0460          BSTAT,
0470          BADAT DD/MM/YY,
0480          BAMNG,
0490          MEINS,
0500          SBNAM.
0510  HIDE:  BUKRS,
0520          WERKS,
0530          MATNR,
0540          MTART,
0550          EKGRP.

0560  AT PF8.
0570      WINDOW STARTING AT 25 17
0580          ENDING AT 55 23.
0590  WRITE: / '+-----+',
0600          / ':    PF9 : Bestandsanzeige   :'(002),
0610          / ':    PF15: Bezugsquellen      :'(003),
0620          / ':    PF16: Submit RMSCHU60    :'(004),
0630          / ':    PF17: Anstoss TE21       :'(005),
0640          / '+-----+'.
```

Fortsetzung Programm U-M-003 (RMSCHU30)

```
0650  AT PF9.
0660      Y1 = SY-CURROW + 1.
0670      IF Y1 GT 16.
0680          Y1 = 16.
0690      ENDIF.
0700      Y2 = Y1 + 7.
0710      WINDOW STARTING AT 01 Y1
0720          ENDING AT 79 Y2.
0730      MOVE: MATNR TO *MC-IDNRC,
0740          BUKRS TO *MC-BUKRC,
0750          WERKS TO *MC-WERKC.
0760      READ SEGMENT *MC.
0770      WRITE:  '+-----+',
0780          /  ' Material:                '(006),
0790      23(18) *MC-IDNRC,
0800          /  ' Lagerbestand            '(007),
0810      23 *MC-LABST,
0820          /  ' Verfuegbarer Bestand '(008),
0830      23 *MC-VERME,
0840          /  ' Umlagerungsbestand    '(009),
0850      23 *MC-UMLME,
0860          /  ' Reservierter Bestand '(010),
0870      23 *MC-RESME,
0880          /  '+-----+'.

0890  AT PF15.
0900      REFRESH LIFTAB.
0910      MAXIND = 1.
0920      PF23COUNT = 1.
0930      MOVE: BUKRS TO *IE-BUKRS,
0940          MATNR TO *IE-IDTNR,
0950          'L' TO *IE-INFKZ.
0960      FOR ALL *IE.
0970          CHECK *LVKNZ NE 'L'.
0980          FILL LIFTAB FROM *IE.
0990          APPEND LIFTAB.
1000      ENDFOR.
1010      PERFORM BEZUGSQUELLEN.
```

Fortsetzung Programm U-M-003 (RMSCHU30)

```
1020  AT PF16.
1030      SUBMIT (NAME) AND RETURN
1040          WITH MA/IDNRA EQ MATNR
1050          WITH MA/BUKRB EQ BUKRS
1060          WITH MA/WERKC EQ WERKS
1070          WITH EINKGRP IN EINK-GRP
1080          WITH MAT-ART IN MAT-ART.

1090  AT PF17.
1100      CALL TRANSACTION 'TE21'.

1110  AT PF22.
1120      PF23COUNT = 1.
1130      PERFORM BEZUGSQUELLEN.

1140  AT PF23.
1150      PF23COUNT = PF23COUNT + 1.
1160      STARTIND = MAXIND - ( 5 * PF23COUNT ).
1170      IF STARTIND LE 0.
1180          STARTIND = 1.
1190      ENDIF.
1200      MAXIND = STARTIND.
1210      PERFORM BEZUGSQUELLEN.

1220  FORM BEZUGSQUELLEN.
1230      WINDOW STARTING AT 31 07
1240          ENDING AT 79 15.
1260      WRITE: / TEXT-012,
1270          / ': Liefnr. Ang.prs. Best.prs.',
1280          'Waehr pro Me:'(013),
1320          / ': ',
1330          / TEXT-014.
1340      SKIP TO LINE 2.
```


Fortsetzung Programm U-M-003 (RMSCHU30)

```
1350      DO 5 TIMES.
1360          READ TABLE LIFTAB INDEX MAXIND.
1370          CHECK SY-SUBRC EQ '0000'.
1380          WRITE:
1390              /3 LIFTAB-LIFNR,
1400              (10) LIFTAB-NEPRS CURRENCY LIFTAB-WAERS,
1410              (10) LIFTAB-BNEPR CURRENCY LIFTAB-WAERS,
1420              LIFTAB-WAERS,
1430              LIFTAB-PEINH,
1440              LIFTAB-MEINS.
1450              MAXIND = MAXIND + 1.
1460      ENDDO.
1470  ENDFORM.
```

Programm U-M-004 (RMSCHU42)

```
0010  REPORT RMSCHU42.

0020  SEGMENTS: MA,
0030           IE.

0040  TABLES: INDX.

0050  DATA:
0060      BEGIN OF EXPORT-KEY,
0070          ID-1(4),
0080          RECID(3) TYPE P,
0090      END OF EXPORT-KEY,
0100      BEGIN OF ITAB OCCURS 50,
0110          LIFNR,
0120          BSTNR,
0130          MENGE,
0140      END OF ITAB,
0150      SUM-MENGE(9) TYPE P DECIMALS 2,
0160      PROZME TYPE P DECIMALS 2,
0170      HPROZME LIKE PROZME,
0180      KUMPROZ LIKE PROZME,
0190      ENTRYCOUNT(2) TYPE P,
0200      MAXENTRY(2) TYPE P,
0210      LINE-NO(2) TYPE P,
0220      BALKEN(40) TYPE C,
0230      STERN(40) TYPE C VALUE
0235          '*****',
0240      STRICHPOS(2) TYPE P,
0250      XSCALE(2) TYPE P,
0260      SEL-LINE(2) TYPE P,
0270      PNULL(9) TYPE P,
0280      MERK VALUE 'N',
0290      ZEILENKZ.

0300  PARAMETERS:
0310      EXPORTID(4) TYPE C DEFAULT 'XXXX',
0320      PRINT(1) TYPE C DEFAULT 'N',
0330      BASE(1) TYPE C DEFAULT '5',
0340      Y-ACHSE(2) TYPE C DEFAULT '16',
0350      X-ACHSE(2) TYPE C DEFAULT '60'.
```

Fortsetzung Programm U-M-004 (RMSCHU42)

```
0360  START-OF-SELECTION.
0370      SET PF-STATUS '0001'.
0380      MOVE EXPORTID TO EXPORT-KEY-ID-1.

0390  GET MA.
0400      MOVE 'N' TO MERK.

0410  GET IE.
0420      CHECK LVKNZ NE 'L'.
0430      CHECK MENGE NE 0.
0440      FILL ITAB.
0450      APPEND ITAB SORTED BY MENGE.
0460      MOVE 'J' TO MERK.

0470  GET MA LATE.
0480      CHECK MERK EQ 'J'.
0490      NEW-PAGE.
0500      WRITE:
0510          'Materialnummer:  '(006),
0520          IDNRA,
0530          / 'Materialbez.:  '(007),
0540          KTX01.
0550      MOVE 'M' TO ZEILENKZ.
0560      HIDE:
0570          ZEILENKZ,
0580          IDNRA,
0590          KTX01.
0600      CLEAR: ZEILENKZ.
0610      ULINE.
0620      WRITE:
0630          / TEXT-001,
0640          TEXT-002,
0650          TEXT-003.
0660      ULINE.
0670      DETAIL.
0680      LOOP AT ITAB.
0690          MAXENTRY = MAXENTRY + 1.
0700      ENDLOOP.
```

Fortsetzung Programm U-M-004 (RMSCHU42)

```
0710    LOOP AT ITAB.
0720        AT FIRST.
0730            SUM.
0740            SUM-MENGE = ITAB-MENGE.
0750            PERFORM ZEILE.
0760        ENDAT.
0770        PERFORM ZEILE.
0780        PERFORM GRAFIK1.
0790    ENDLOOP.

0800    REFRESH ITAB.

0810    FORM ZEILE.
0820        PROZME = ITAB-MENGE * 100 * 100 / SUM-MENGE.
0830        MOVE 'L' TO ZEILENKZ.
0840        WRITE:
0850            /          ITAB-LIFNR,
0860            11          ITAB-BSTNR,
0870            28(16) ITAB-MENGE,
0880            (16) PROZME.
0890        MOVE PROZME TO HPROZME.
0900        HIDE:
0910            ZEILENKZ,
0920            ITAB-LIFNR,
0930            ITAB-BSTNR,
0940            ITAB-MENGE,
0950            HPROZME.
0960        CLEAR: ZEILENKZ.
0970    ENDFORM.

0980    FORM GRAFIK1.
0990        PROZME = PROZME / 100.
1000        KUMPROZ = KUMPROZ + PROZME.
1010        ENTRYCOUNT = ENTRYCOUNT + 1.
1020        HIDE: PROZME, KUMPROZ, ENTRYCOUNT, MAXENTRY.
1030    ENDFORM.
```

Fortsetzung Programm U-M-004 (RMSCHU42)

```
1040  AT PF16.
1050    SET PF-STATUS '0002'.
1060    IF PRINT = 'J'.
1070      NEW-PAGE PRINT ON.
1080    ENDIF.
1090    LINE-NO = BASE - 1.
1100    SKIP TO LINE LINE-NO.
1110    STRICHPOS = 5.
1120    POSITION STRICHPOS.
1130    WRITE: '% Bestellmenge'(008).
1140    LINE-NO = LINE-NO + 1.
1150    DO Y-ACHSE TIMES.
1160      SKIP TO LINE LINE-NO.
1170      LINE-NO = LINE-NO + 1.
1180      POSITION STRICHPOS.
1190      WRITE '!'.
1200    ENDDO.
1210    STRICHPOS = 6.
1220    DO X-ACHSE TIMES.
1230      POSITION STRICHPOS.
1240      WRITE: '-'.
1250      STRICHPOS = STRICHPOS + 1.
1260    ENDDO.
1270    DO 10 TIMES.
1280      XSCALE = X-ACHSE / 10.
1290      XSCALE = XSCALE * SY-INDEX.
1300      XSCALE = XSCALE + 5.
1310      POSITION XSCALE.
1320      WRITE '+'.
1330    ENDDO.
1340    POSITION STRICHPOS.
1350    WRITE: '% Lieferanten'(009).
1360    SEL-LINE = 9.
1370    DO 14 TIMES.
1380      READ LINE SEL-LINE.
1390      LINE-NO  = ( BASE + Y-ACHSE ) -
1395              ( Y-ACHSE * KUMPROZ / 100 ).
1400      STRICHPOS = 5 + X-ACHSE * ENTRYCOUNT / MAXENTRY.
1410      SKIP TO LINE LINE-NO.
1420      POSITION STRICHPOS.
```

Fortsetzung Programm U-M-004 (RMSCHU42)

```
1430      WRITE '*' .
1440      SEL-LINE = SEL-LINE + 1.
1450      ENDDO.

1460      IF PRINT = 'J' .
1470          NEW-PAGE PRINT OFF.
1480      ENDIF.

1490  AT PF17.
1500      SET PF-STATUS '0002' .
1510      IF PRINT = 'J' .
1520          NEW-PAGE PRINT ON.
1530      ENDIF.
1540      SEL-LINE = 9.
1550      DO 14 TIMES.
1560          READ LINE SEL-LINE.
1570          CHECK SY-LISEL(8) NE SPACE.
1580          MOVE STERN TO BALKEN PERCENTAGE PROZME.
1590          WRITE:
1600              / SY-LISEL(8),
1610              BALKEN.
1620          SEL-LINE = SEL-LINE + 1.
1630      ENDDO.
1640      IF PRINT = 'J' .
1650          NEW-PAGE PRINT OFF.
1660      ENDIF.

1670  AT PF18.
1680      SET PF-STATUS '0003' .
1690      DO.
1700          CLEAR ZEILENKZ.
1710          READ LINE SY-INDEX OF CURRENT PAGE.
1720          IF SY-SUBRC NE 0.
1730              EXIT.
1740          ENDIF.
```

Fortsetzung Programm U-M-004 (RMSCHU42)

```
1750      CASE ZEILENKZ.
1760          WHEN 'M'. EXPORT-KEY-RECID = EXPORT-KEY-RECID + 1.
1770              MOVE: SY-DATUM TO INDX-AEDAT,
1780                  SY-UNAME TO INDX-USERA,
1790                  SY-REPID TO INDX-PGMID.
1800              EXPORT ZEILENKZ
1810                  IDNRA
1820                  KTX01 TO DATABASE INDX(EK)
1830                  ID EXPORT-KEY.
1840          WHEN 'L'. EXPORT-KEY-RECID = EXPORT-KEY-RECID + 1.
1850              MOVE: SY-DATUM TO INDX-AEDAT,
1860                  SY-UNAME TO INDX-USERA,
1870                  SY-REPID TO INDX-PGMID.
1880              EXPORT ZEILENKZ
1890                  ITAB-LIFNR
1900                  ITAB-BSTNR
1910                  ITAB-MENGE
1920                  PROZME FROM HPROZME
1930                  TO DATABASE INDX(EK) ID EXPORT-KEY.
1940      ENDCASE.
1950  ENDDO.
1960  WRITE:
1970      'Anzahl exportierter Stze:'(012),
1980      EXPORT-KEY-RECID,
1990      'Export-ID auf INDX:      '(013),
2000      EXPORT-KEY-ID-1.

2010  TOP-OF-PAGE DURING LINE-SELECTION.
2020      CASE SY-PFKEY.
2030          WHEN '0002'.
2040              WRITE:
2050                  15 'Graphische Darstellung der
2055                      Umsatzkonzentration'(011).
2060              ULINE /15(46).
2070          WHEN '0003'.
2080              WRITE:
2090                  24 'Exportstatistik auf Datei INDX'(014).
2100              ULINE /24(30).
2110      ENDCASE.
2120      SKIP.
```

Programm U-M-005 (RFSCHU31)

0010 REPORT RFSCHU31 NO STANDARD PAGE HEADING.

0020 SEGMENTS: KA, KB, *KA, *KC, *HF.

0030 TABLES: BKPF, BSEG.

0040 DATA: BEGIN OF INFO,

0050 TEXT(6),

0060 SPACE,

0070 COUNTER(2),

0080 END OF INFO,

0090 BEGIN OF IDENT,

0100 BUKRB LIKE KB-BUKRB,

0110 BELNR LIKE HF-BELNR,

0120 END OF IDENT.

0130 DATA: BEGIN OF TAB OCCURS 20.

0140 INCLUDE STRUCTURE BSEG.

0150 END OF TAB.

0160 DATA: FLAG VALUE 'X',

0170 COUNTER TYPE P,

0180 SAVE/KTNRA LIKE KA-KTNRA,

0190 SAVE/BUKRB LIKE KB-BUKRB,

0200 FIRST/LINE TYPE P VALUE 3,

0210 START/WINDOW TYPE P VALUE 13,

0220 FIRST/WINDOW/LINE TYPE P,

0230 LINES TYPE P,

0240 LAST/LINE TYPE P VALUE 22,

0250 LINE1 TYPE P,

0260 LINE2 TYPE P,

0270 LISTO/CUROW LIKE SY-CUROW,

0280 LIST1/CUROW LIKE SY-CUROW.

Fortsetzung Programm U-M-005 (RFSCHU31)

```
0290  GET KB.
0300  FORMAT INTENSIFIED OFF.
0310  WRITE: KA-KTNRA USING NO EDIT MASK,
0320          KB-BUKRB, KA-NAME1,
0340          KA-ORT01.
0350  HIDE: KA-KTNRA, KB-BUKRB, SY-WAERS, FLAG.

0360  END-OF-SELECTION.
0370  SET PF-STATUS '0001'.
0380  INFO-TEXT = 'Info'(002).
0390  FLAG = SPACE.
0400  LINES = START/WINDOW - FIRST/LINE.
0410  FIRST/WINDOW/LINE = START/WINDOW + 1.

0420  TOP-OF-PAGE.
0430  WRITE: 'Konto-Nr Bk NameOrt'(001),
0440          76 SY-PAGNO NO-SIGN.
0450  ULINE.

0460  AT PF13.
0470  CASE SY-PFKEY.
0480  WHEN '0001'.
0490      IF SY-CUROW = 24 OR FLAG = SPACE.
0500          LISTO/CUROW = FIRST/LINE.
0510      ELSE.
0520          LISTO/CUROW = SY-CUROW.
0530      ENDIF.
0540      COUNTER = 1.
0550  WHEN OTHERS.
0560      CHECK SY-CUROW GE FIRST/LINE
0570          AND SY-CUROW LT START/WINDOW
0575          AND FLAG NE SPACE.
0580      IF LIST1/CUROW EQ SY-CUROW.
0590          LISTO/CUROW = LISTO/CUROW + 1.
0600          IF LISTO/CUROW GT LAST/LINE.
0610              SCROLL LIST INDEX 0 FORWARD.
0620              LISTO/CUROW = FIRST/LINE.
0630          ENDIF.
0640      ELSE.
0650          IF LIST1/CUROW = LISTO/CUROW.
0660              LISTO/CUROW = SY-CUROW.
0670          ELSE.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
0680          LISTO/CUROW = SY-CUROW + LINES.
0690          ENDIF.
0700          ENDIF.
0710        ENDCASE.
0720        SET PF-STATUS '0002'.
0730        FLAG = SPACE.
0740        READ LINE LISTO/CUROW OF CURRENT PAGE INDEX 0.
0750        CHECK FLAG NE SPACE.
0760        KB-KTNRB = KA-KTNRA.
0770        READ SEGMENT: KA,KB.
0780        IF LISTO/CUROW < START/WINDOW.
0790          LINE1 = FIRST/LINE.
0800          LINE2 = START/WINDOW - 1.
0810        ELSE.
0820          LINE1 = START/WINDOW.
0830          LINE2 = LAST/LINE.
0840        ENDIF.
0850        SY-LSIND = 1.
0860        READ LINE 1 OF CURRENT PAGE INDEX 0.
0870        WRITE: / SY-LISEL.
0880        READ LINE 2 OF CURRENT PAGE INDEX 0.
0890        IF LISTO/CUROW GE START/WINDOW.
0900          MOVE 'untere Haelfte'(009) TO SY-LISEL+60.
0910        ENDIF.
0920        WRITE: / SY-LISEL.
0930        SAVE/KTNRA = KA-KTNRA.
0940        SAVE/BUKRB = KB-BUKRB.
0950        WHILE LINE1 LE LINE2.
0960          FLAG = SPACE.
0970          READ LINE LINE1 OF CURRENT PAGE INDEX 0.
0980          LINE1 = LINE1 + 1.
0990          CHECK FLAG NE SPACE.
1000          WRITE: / SY-LISEL.
1010          HIDE: FLAG.
1020        ENDWHILE.
1030        KA-KTNRA = SAVE/KTNRA.
1040        KB-BUKRB = SAVE/BUKRB.
1050        LIST1/CUROW = LISTO/CUROW.
1060        IF LIST1/CUROW GE START/WINDOW.
1070          LIST1/CUROW = LIST1/CUROW - LINES.
1080        ENDIF.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
1090    SY-CUROW = LIST1/CUROW.
1100    SET CURSOR 1 LIST1/CUROW.
1110    PERFORM SPLIT/SCREEN.
1120    FLAG = SPACE.

1130  AT PF14.
1140    SET PF-STATUS '0002'.
1150    CHECK SY-CUROW GE FIRST/LINE AND SY-CUROW LT START/WINDOW
1160    AND FLAG NE SPACE.
1170    IF LIST1/CUROW = SY-CUROW.
1180      COUNTER = COUNTER + 1.
1190      IF COUNTER = 6.
1200        COUNTER = 1.
1210      ENDIF.
1220    ELSE.
1230      IF LIST1/CUROW = LISTO/CUROW.
1240        LISTO/CUROW = SY-CUROW.
1250      ELSE.
1260        LISTO/CUROW = SY-CUROW + LINES.
1270      ENDIF.
1280      LIST1/CUROW = SY-CUROW.
1290      FLAG = SPACE.
1300      READ LINE LISTO/CUROW OF CURRENT PAGE INDEX 0.
1310      CHECK FLAG NE SPACE.
1320      KB-KTNRB = KA-KTNRA.
1330      READ SEGMENT: KA,KB.
1340    ENDIF.
1350    PERFORM SPLIT/SCREEN.
1360    FLAG = SPACE.

1370  AT PF3.
1380    SY-LSIND = 1.

1390  AT PF2.
1400    SET PF-STATUS '0004'.
1410    MOVE *HF-KBUKR TO IDENT-BUKRB.
1420    MOVE *HF-BELNR TO IDENT-BELNR.
1430    IMPORT BKPFBSEG TO TAB
1440    FROM DATABASE ABEZ ID IDENT.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
1450    IF SY-SUBRC NE 0.
1460        WRITE: / 'Beleg nicht gefunden'(021),
1465            IDENT-BUKRB, IDENT-BELNR.
1470    ELSE.
1480        WRITE: / BKPF-BUKRS, BKPF-BELNR,
1490            15 BKPF-BLART, 20 BKPF-BLDAT DD/MM/YYYY,
1500            35 BKPF-WAERS.
1510    SKIP.

1520    LOOP AT TAB.
1530        WRITE:/ TAB-BUZEI, TAB-DMBTR CURRENCY BKPF-WAERS,
1540        TAB-KOSTL, TAB-HKONT.
1550    ENDLOOP.
1560    ENDIF.

1570    TOP-OF-PAGE DURING LINE-SELECTION.
1580    CASE SY-PFKEY.
1590        WHEN '0003'.
1600            IF COUNTER EQ 5.
1610                WRITE: /50 'Beleganzeige Seite'(004),
1620                    (3) SY-PAGNO,
1625                    / 'Beleg-Nr Bz BuchDatum'(005).
1630                WRITE: 26 'Zuordnung BA BS U Betrag'(006).
1640            ENDIF.
1650        WHEN '0004'.
1660            WRITE: / 'BK BelNr. BABelDatum Waehrung'(007).
1670            WRITE: / 'ZeiBetrag Kost.St. Konto'(008).
1680            ULINE.
1690    ENDCASE.

1700    FORM SPLIT/SCREEN.
1710        INFO-COUNTER = COUNTER.
1720        WINDOW LIST STARTING AT 1 FIRST/WINDOW/LINE
1730            ENDINGAT 79 LAST/LINE
1740            WITH FRAME
1750            TITLE INFO.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
1760     CASE COUNTER.
1770         WHEN 1.
1780             PERFORM INFO-1.
1790         WHEN 2.
1800             PERFORM INFO-2.
1810         WHEN 3.
1820             PERFORM INFO-3.
1830         WHEN 4.
1840             PERFORM INFO-4.
1850         WHEN 5.
1860             SET PF-STATUS '0003'.
1870             PERFORM INFO-5.
1880     ENDCASE.
1890 ENDFORM.

1900 FORM INFO-1.
1910     FORMAT INTENSIFIED ON.
1920     WRITE: / 'Lieferant'(011), 50 'Zentrale'(012),
1925             KA-LNRZE NO-ZERO.
1930     IF KA-LNRZE EQ '00000000'.
1940         WRITE:
1950             / 'Anrede.....'(013),
1960             ANRED INTENSIFIED,
1970             50 'Keine Zentrale angegeben'(014),
1980             / 'Name 1.....'(015),
1990             NAME1 ,
2000             / 'Name 2.....'(016) ,
2010             NAME2 INTENSIFIED,
2020             / 'Strasse.....'(017) ,
2030             STRAS ,
2040             / 'Postfach.....'(018) ,
2050             PFACH ,
2060             / 'Ort.....'(019) ,
2070             ORTO1 ,
2080             / 'Land.....'(020) ,
2090             LAND1 .
2100     ELSE.
2110         MOVE KA-LNRZE TO *KA-KTNRA.
2115         READ SEGMENT *KA.
2120         WRITE:
2130             / 'Anrede.....'(013) ,
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
2140          ANRED , 50 *ANRED,
2150          / 'Name 1.....'(015) ,
2160          NAME1 , 50 *NAME1,
2170          / 'Name 2.....'(016) ,
2180          NAME2 , 50 *NAME2,
2190          / 'Strasse.....'(017) ,
2200          STRAS , 50 *STRAS,
2210          / 'Postfach.....'(018) ,
2220          PFACH , 50 *PFACH,
2230          / 'Ort.....'(019) ,
2240          ORTO1 , 50 *ORTO1,
2250          / 'Land.....'(020) ,
2260          LAND1 , 50 *LAND1.
2270      ENDIF.
2280      ENDFORM.

2290      FORM INFO-2.
2300          FORMAT INTENSIFIED ON.
2310          WRITE: 'Bankverbindung und Zahlungsdaten'(041).
2320          FORMAT INTENSIFIED OFF.
2330          WRITE:
2340              / 'Bankkonto.....'(042), KA-BANKN,
2350              40 'Zahlungskonditionen.'(043), KB-ZTERM,
2360              / 'Bankleitzahl....'(044), KA-BANKL,
2370              40 'Wechselkonditionen..' (045), KB-WKOND,
2380              / 'Bankanschrift...' (046), KA-BANKA,
2390              40 'Zahlungsarten.....'(047), KB-ZAHLA,
2400              / 'Postscheckkonto.'(048), KA-PSKTO,
2410              40 'Zahlungsschluessel..' (049), KB-ZLSCH.
2420          FORMAT INTENSIFIED ON.
2430          WRITE: 'Telefon, Telex, Telefax'(050).
2440          FORMAT INTENSIFIED OFF.
2450          WRITE:
2460              / 'Telefon.....'(051), KA-TELF1,
2470              40 'Telex '(052),KA-TELX1,
2480              / 'Telefax.....'(053), KA-TELFX.
2490      ENDFORM.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
2500  FORM INFO-3.
2510      SKIP TO LINE 2.
2520      FORMAT INTENSIFIED ON.
2530      WRITE: 10 'Geschaeftsjahr Jahresumsatz '(054).
2540      FORMAT INTENSIFIED OFF.
2550      SKIP.
2560      MOVE: KA-KTNRA TO *KC-KTNRC, KB-BUKRB TO *KC-BUKRC.
2570          *KC-JAHRC = SY-DATUM(4).
2580      WRITE: 16 *KC-JAHRC.
2590      READ SEGMENT *KC.
2600      IF SY-SUBRC = 0.
2610          WRITE: 31 *KC-KUMUM.
2620      ELSE.
2630          WRITE: 33 'Nicht bebucht'(033) INTENSIFIED OFF.
2640      ENDIF.
2650      SKIP.
2660      *KC-JAHRC = SY-DATUM(4) - 1.
2670      WRITE: 16 *KC-JAHRC.
2680      READ SEGMENT *KC.
2690      IF SY-SUBRC = 0.
2700          WRITE: 31 *KC-KUMUM.
2710      ELSE.
2720          WRITE: 33 'Nicht bebucht'(033) INTENSIFIED OFF.
2730      ENDIF.
2740  ENDFORM.

2750  FORM INFO-4.
2760      MOVE: KA-KTNRA TO *KC-KTNRC, KB-BUKRB TO *KC-BUKRC.
2770      *KC-JAHRC = SY-DATUM(4).
2780      FORMAT INTENSIFIED ON.
2790      WRITE: / 'Verkehrszahlen im Geschaeftsjahr'(031),
2795          *JAHC.
2800      FORMAT INTENSIFIED OFF.
2810      READ SEGMENT *KC.
2820      IF SY-SUBRC = 0.
2830      WRITE:
2840          / 'Periode', ' Soll Haben'(032),
2850          40 'Periode', ' Soll Haben'(032).
2860      DETAIL. INPUT.
```

Fortsetzung Programm U-M-005 (RFSCHU31)

```
2870    WRITE:
2880      / '01', *UM01S CURRENCY LOCAL, *UM01H CURRENCY LOCAL,
2890      40 '07', *UM07S CURRENCY LOCAL, *UM07H CURRENCY LOCAL,
2900      / '02', *UM02S CURRENCY LOCAL, *UM02H CURRENCY LOCAL,
2910      40 '08', *UM08S CURRENCY LOCAL, *UM08H CURRENCY LOCAL,
2920      / '03', *UM03S CURRENCY LOCAL, *UM03H CURRENCY LOCAL,
2930      40 '09', *UM09S CURRENCY LOCAL, *UM09H CURRENCY LOCAL,
2940      / '04', *UM04S CURRENCY LOCAL, *UM04H CURRENCY LOCAL,
2950      40 '10', *UM10S CURRENCY LOCAL, *UM10H CURRENCY LOCAL,
2960      / '05', *UM05S CURRENCY LOCAL, *UM05H CURRENCY LOCAL,
2970      40 '11', *UM11S CURRENCY LOCAL, *UM11H CURRENCY LOCAL,
2980      / '06', *UM06S CURRENCY LOCAL, *UM06H CURRENCY LOCAL,
2990      40 '12', *UM12S CURRENCY LOCAL, *UM12H CURRENCY LOCAL.
3000    ELSE.
3010      SKIP. DETAIL.
3020      WRITE 'Nicht bebucht'(033).
3030    ENDIF.
3040  ENDFORM.

3050  FORM INFO-5.
3060    MOVE: 'K' TO *HF-KOART,
3070          KA-KTNRA TO *HF-LIFNR,
3080          KB-BUKRB TO *HF-KBUKR.
3090
3100    FOR ALL *HF.
3110      WRITE: / *HF-BELNR, *HF-BUZEI, *HF-BUDAT DD/MM/YYYY,
3120             *HF-ZUONR, *HF-BLART, *HF-BSCHL,
3130             *HF-UMSKZ, *HF-DMSHB CURRENCY *HF-WAERS.
3140      HIDE: *HF-KBUKR, *HF-BELNR.
3150    ENDFOR.
3160    WRITE: /20 '*** Ende der Beleganzeige ***'(003).
3170  ENDFORM.
```


Programm U-M-006 (RMSCHU34)

```
0010  REPORT RMSCHU34
0020                      NO STANDARD PAGE HEADING.

0030  SEGMENTS: MA,
0040                MB,
0050                MC.

0060  DATA:
0070      REPID      LIKE SY-REPID,
0080      BNAME      LIKE TSDC-ODC/NAME,
0090      PASSW      LIKE TSDC-ODC/PASSW,
0100      ODCKZ(1)   TYPE C,
0110      POSCOUNT(2) TYPE P,
0120      POSANZ(2)  TYPE C,
0130      PNULL      TYPE P,
0140      YBSTA(1)    TYPE X VALUE '02',

0150      BEGIN OF DISPLAY-TAB OCCURS 23,
0160          ZEILE(79),
0170      END OF DISPLAY-TAB.

0180  TABLES:MBWT.

0190  DYNPROS: D00001,
0200           D00002,
0210           D08431,
0220           D08432,
0230           D08433.

0240  SELECT-OPTIONS:
0250                MAT-ART FOR MTART,
0260                MATKLAS FOR MATKL,
0270                AENDDAT FOR ZKDAT.

0280  PARAMETERS:
0290                ST-PREIS(1) TYPE C DEFAULT ' ',
0300                POS-ANZ(2)  TYPE C DEFAULT '50',
0310                SIMULATE(1) TYPE C DEFAULT 'X',
0320                ODC-KZ(1)   TYPE C.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
0330  INITIALIZATION.
0340      MOVE 'I'          TO AENDDAT-SIGN.
0350      MOVE 'BT'         TO AENDDAT-OPTION.
0360      MOVE SY-DATUM     TO AENDDAT-LOW.
0370      MOVE '99991231' TO AENDDAT-HIGH.
0380      APPEND AENDDAT.

0390  START-OF-SELECTION.
0400      REPID = SY-REPID.
0410      REFRESH DYNPRO: D00001,
0420                      D08431,
0430                      D08432,
0440                      D08433.
0450      IF ODC-KZ = SPACE.
0460          ODCKZ = SPACE.
0470      ELSE.
0480          ODCKZ = 'X'.
0490      ENDIF.
0500      CALL FUNCTION 'LESEN/TAB/TSDC'
0510          EXPORTING REPORT = REPID
0520          ODC/KENNZ      = ODCKZ
0530      IMPORTING BENUTZER  = BNAME
0540          PASSWORT       = PASSW.

0550      MOVE: SY-MANDT      TOD00001-MANDT,
0560            BNAME         TOD00001-BNAME(4),
0570            'TR21'        TOD00001-BNAME+4(4),
0580            SY-UZEIT      TOD00001-BNAME+8(4),
0600            PASSW        TOD00001-BCODE,
0620            'TR21'        TOD00001-TCODE,
0630            SY-LANGU      TOD00001-SPRAS.
0650      IF SIMULATE EQ ' '.
0660          IF ODC-KZ = SPACE.
0670              TRANSFER-DYNPRO D00001.
0680          ELSE.
0690              TRANSFER-DYNPRO D00001
0700              GENERATING ONLINE COMMUNICATION.
0710          ENDIF.
0720      ENDIF.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
0730      GET MA.
0740      CHECK SELECT-OPTIONS.

0750      GET MB.
0760      CHECK SELECT-OPTIONS.

0770      GET MC.
0780      CHECK STATC O YBSTA.
0790      CLEAR MBWT.
0800      IF BWTTY NE ' '.
0810          SELECT * FROM MBWT WHERE
0820              ARTNR EQ MA-IDNRA AND
0830              BUKRS EQ MB-BUKRB AND
0840              WERKS EQ MC-WERKC AND
0850              MMBWT EQ 'B'.
0860          CHECK MBWT-ZKDAT GE AENDDAT-LOW.
0870          IF AENDDAT-HIGH NE '00000000'.
0880              CHECK MBWT-ZKDAT LE AENDDAT-LOW.
0890          ENDIF.
0900          IF ST-PREIS EQ 'J'.
0910              CHECK MBWT-BWPRS NE PNULL.
0920          ELSE.
0930              CHECK MBWT-ZKPRS NE PNULL.
0940          ENDIF.
0950          IF POSCOUNT = 0.
0960              PERFORM KOPF.
0970          ENDIF.
0980          IF POSCOUNT <> 0 AND POSCOUNT LE POS-ANZ.
0990              PERFORM POSITION.
1000          ENDIF.
1010          IF POSCOUNT > POS-ANZ.
1020              PERFORM BUCHEN.
1030              CLEAR POSCOUNT.
1040          ENDIF.
1050          POSCOUNT = POSCOUNT + 1.
1060      ENDSELECT.
1070      ELSE.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
1080      CHECK SELECT-OPTIONS.
1090      IF ST-PREIS EQ 'J'.
1100          CHECK BWPRS NE PNULL.
1110      ELSE.
1120          CHECK ZKPRS NE PNULL.
1130      ENDIF.
1140      IF POSCOUNT = 0.
1150          PERFORM KOPF.
1160      ENDIF.
1170      IF POSCOUNT <> 0 AND POSCOUNT LE POS-ANZ.
1180          PERFORM POSITION.
1190      ENDIF.
1200      IF POSCOUNT > POS-ANZ.
1210          PERFORM BUCHEN.
1220          CLEAR POSCOUNT.
1230      ENDIF.
1240      POSCOUNT = POSCOUNT + 1.
1250  ENDIF.

1260  END-OF-SELECTION.
1270      PERFORM BUCHEN.
1280      IF ODC-KZ = 'X'.
1290          REFRESH DYNPRO D00002.
1300          MOVE 'EIRC' TO D00002-TC.
1310          MOVE 'S' TO D00002-SP.
1320          TRANSFER-DYNPRO D00002.
1330          SKIP 5.
1340          WRITE: / 'Der Mappenname lautet:'(001),D00001-BNAME.
1350      ELSE.
1360          SKIP 5.
1370          WRITE: / 'Der Mappenname lautet:'(001),D00001-BNAME.
1380      ENDIF.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
1390  FORM KOPF.
1400      MOVE: 'S' TO D08431-SP,
1410          'TR21' TO D08431-TC,
1420          BUKRCTO D08431-BUKRS.
1430  IF SIMULATE EQ ' '.
1440      TRANSFER-DYNPRO D08431.
1450      REFRESH DYNPRO D08431.
1460  ELSE.
1470      MOVE-DYNPRO D08431 TO DISPLAY-TAB.
1480      PERFORM DISPLAY.
1490  ENDIF.
1500  IF BWTTY NE ' '.
1510      MOVE: MBWT-ARTNR TO D08432-ARTNR,
1520      MBWT-WERKSTO D08432-WERKS,
1530      MBWT-BWTARTO D08432-BWTAR.
1540  ELSE.
1550      MOVE: IDNRCTO D08432-ARTNR,
1560      WERKCTO D08432-WERKS.
1570  ENDIF.
1580  IF SIMULATE EQ ' '.
1590      TRANSFER-DYNPRO D08432.
1600      REFRESH DYNPRO D08432.
1610  ELSE.
1620      MOVE-DYNPRO D08432 TO DISPLAY-TAB.
1630      PERFORM DISPLAY.
1640  ENDIF.
1650  IF BWTTY NE ' '.
1660      IF ST-PREIS EQ 'X'.
1670          MOVE MBWT-BWPRS TO D08433-NPREI.
1680      ELSE.
1690          MOVE MBWT-ZKPRS TO D08433-NPREI.
1700      ENDIF.
1710  ELSE.
1720      IF ST-PREIS EQ 'X'.
1730          MOVE BWPRS TO D08433-NPREI.
1740      ELSE.
1750          MOVE ZKPRS TO D08433-NPREI.
1760      ENDIF.
1770  ENDIF.
1780  ENDFORM.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
1790  FORM POSITION.
1800    IF BWTTY NE ' '.
1810      MOVE: MBWT-ARTNR TO D08433-ARTNR,
1820      MBWT-WERKS TO D08433-WERKS,
1830      MBWT-BWTAR TO D08433-BWTAR.
1840    ELSE.
1850      MOVE: IDNRCTO D08433-ARTNR,
1860      WERKCTO D08433-WERKS.
1870    ENDIF.
1880    IF SIMULATE EQ ' '.
1890      TRANSFER-DYNPRO D08433.
1900      REFRESH DYNPRO: D08433.
1910    ELSE.
1920      MOVE-DYNPRO D08433 TO DISPLAY-TAB.
1930      PERFORM DISPLAY.
1940    ENDIF.
1950    IF BWTTY NE ' '.
1960      IF ST-PREIS EQ 'X'.
1970        MOVE MBWT-BWPRS TO D08433-NPREI.
1980      ELSE.
1990        MOVE MBWT-ZKPRS TO D08433-NPREI.
2000      ENDIF.
2010    ELSE.
2020      IF ST-PREIS EQ 'X'.
2030        MOVE BWPRS TO D08433-NPREI.
2040      ELSE.
2050        MOVE ZKPRS TO D08433-NPREI.
2060      ENDIF.
2070    ENDIF.
2080  ENDFORM.
```

Fortsetzung Programm U-M-006 (RMSCHU34)

```
2090  FORM BUCHEN.
2100      MOVE: 'BU' TO D08433-PRFCO.
2110      IF SIMULATE EQ ' '.
2120          TRANSFER-DYNPRO D08433.
2130          REFRESH DYNPRO: D08433.
2140      ELSE.
2150          MOVE-DYNPRO D08433 TO DISPLAY-TAB.
2160          PERFORM DISPLAY.
2170      ENDIF.
2180  ENDFORM.

2190  FORM DISPLAY.
2200      NEW-PAGE.
2210      LOOP AT DISPLAY-TAB.
2220          WRITE DISPLAY-TAB-ZEILE.
2230      ENDLOOP.
2240      REFRESH DISPLAY-TAB.
2250  ENDFORM.
```

Programm U-M-007 (RFSCHU80)

```
0010  REPORT RFSCHU80 NO STANDARD PAGE HEADING.

0020  PARAMETERS: PROGNAME(8) DEFAULT 'RFSCHU80'.

0030  * Programmsource
0040  DATA: BEGIN OF T OCCURS 100, LINE(72), END OF T.
0050  DATA: BEGIN OF SPECIALS OCCURS 100,
0060           WORD(30),
0070           END OF SPECIALS.

0080  * Tabellen einlesen
0090  READ REPORT PROGNAME INTO T.
0100  PERFORM FILL-SPECIALS.
0110  * ... Status setzen
0120  SET PF-STATUS 'CODE'.
0130  * ... und Source ausgeben
0140  LOOP AT T.
0150      NEW-LINE.
0160      IF T-LINE = SPACE.
0170          SKIP.
0180      ELSEIF T-LINE(1) = '*'.
0190          WRITE T-LINE INTENSIFIED ON.
0200      ELSE.
0210          PERFORM T-LINE-OUT.
0220      ENDIF.
0230  ENDLOOP.

0240  *-----*
0250  * Doku zu Schkuesselwort anzeigen      *
0260  *-----*
0270  AT PF2.
0280  * Keine Blinde Zeilenauswahl
0290      CHECK SY-WINRO = 0 AND SY-WINCO = 0.

0300  * Zeige Doku zu ausgewaehltem Schluesselwort an
0310      PERFORM DISPLAY-DOCU.

0330  * Letztes Zeichen des aktuellen/vorangehenden Worts
0340      DATA: LC(1), OLC(1) VALUE '.'
```


Fortsetzung Programm U-M-007 (RFSCHU80)

```
0350  *-----*
0360  * Ausgabe einer einzelnen Zeile      *
0370  *-----*
0380  FORM T-LINE-OUT.
0390    DATA: OFS TYPE P.
0400    DATA: LEN TYPE P.
0410    DATA: POS TYPE P.
0420    DATA: WRD(30).
0430    FIELD-SYMBOLS: <W>.
0440    FIELD-SYMBOLS: <B>.
0450    ASSIGN T-LINE(1) TO <B>.
0460    DO 72 TIMES.
0470      IF <B> NE SPACE.
0480        ADD 1 TO LEN.
0490        LC = <B>.
0500      ENDIF.
0510      IF <B> = SPACE OR SY-INDEX = 72.
0520        IF LEN NE 0.
0530          OFS = SY-INDEX - LEN - 1.
0540          ASSIGN T-LINE+OFS(LEN) TO <W>.
0550          POS = OFS + 1.
0560          POSITION POS.
0570          FORMAT INTENSIFIED OFF.
0580          IF OLC = '.' OR OLC = ','.
0590            WRD = <W>.
0600            REPLACE '.' WITH SPACE INTO WRD.
0610            READ TABLE SPECIALS WITH KEY WRD BINARY SEARCH.
0620            IF SY-SUBRC = 0.
0630              FORMAT INTENSIFIED ON.
0640            ENDIF.
0650          ENDIF.
0660          WRITE <W>.
0670          OLC = LC.
0680          LEN = 0.
0690        ENDIF.
0700      ENDIF.
0710      IF SY-INDEX LT 72.
0720        ASSIGN <B>+1 TO <B>.
0730      ENDIF.
0740    ENDDO.
0750  ENDFORM.
```

Fortsetzung Programm U-M-007 (RFSCHU80)

```

0760 *-----*
0770 * Tabelle mit Struktur-Schluessselwoertern fuellen *
0780 *-----*
0790 FORM FILL-SPECIALS.
0800     PERFORM APPEND-SPECIAL USING:
0810         'PROGRAM', 'REPORT', 'IF', 'ELSE',
0820         'ENDIF', 'CASE', 'WHEN', 'ENDCASE',
0830         'DO', 'ENDDO', 'WHILE', 'ENDWHILE',
0840         'LOOP', 'ENDLOOP', 'UPLOAD', 'ENDUPLOAD',
0850         'ENDAT', 'FOR', 'ENDFOR', 'EXIT', 'STOP',
0860         'FORM', 'ENDFORM', 'PERFORM', 'CALL',
0870         'MODULE', 'ENDMODULE',
0880         'FUNCTION', 'ENDFUNCTION',
0890         'AT', 'GET', 'INITIALIZATION'
0900         'START-OF-SELECTION', 'END-OF-SELECTION',
0910         'TOP-OF-PAGE', 'END-OF-PAGE', .
0920     SORT SPECIALS BY WORD.
0930 ENDFORM.

0940 *-----*
0950 * Serviceroutine fuer FILL-SPECIALS:      *
0955 *   Eintragen eines einzelnen Worts      *
0960 *-----*
0970 FORM APPEND-SPECIAL USING WORD.
0980     SPECIALS-WORD = WORD.
0990     APPEND SPECIALS.
1000 ENDFORM.

1010 *-----*
1020 * Zeigt Doku an (PF2).                      *
1030 *-----*
1040 FORM DISPLAY-DOCU.
1050     DATA WORD(72).
1060     DATA SUBRC LIKE SY-SUBRC.
1070     PERFORM GET-CONTENT USING WORD SUBRC.
1080     IF SUBRC > 0. EXIT. ENDIF.
1090     PERFORM SHOW-WORD-DOCU USING WORD SUBRC.
1100     IF SUBRC > 0. EXIT. ENDIF.
1110 ENDFORM.

```

Fortsetzung Programm U-M-007 (RFSCHU80)

```
1120 *-----*
1130 * Besorgt ausgewaehltes Wort *
1140 *-----*
1150 FORM GET-CONTENT USING WORD SUBRC.
1160     DATA NAME(30).
1170     DATA OFFSET TYPE P.
1180     DATA FDPOS LIKE SY-FDPOS VALUE 99.
1190 * Inhalt des durch Cursorpositionierung
1200 * ausgewaehlten Worts nach WORD
1210     GET CURSOR FIELD NAME OFFSET OFFSET VALUE WORD.
1220     IF WORD <= SPACE.
1230         PERFORM PICK-ERROR.
1240         SUBRC = 4.
1250         EXIT.
1260     ENDIF.
1270     IF WORD CS ' '.
1280         FDPOS = SY-FDPOS.
1290     ENDIF.
1300     IF WORD CS ':' AND SY-FDPOS < FDPOS.
1310         FDPOS = SY-FDPOS.
1320     ENDIF.
1330     IF FDPOS < 99.
1340         PERFORM SPLIT-WORD USING WORD OFFSET FDPOS.
1350     ENDIF.
1360 ENDFORM.
```

Fortsetzung Programm U-M-007 (RFSCHU80)

```
1370 *-----*
1380 * Ruft Doku fuer ausgewaehltes Schluesselwort auf *
1390 *-----*
1400 FORM SHOW-WORD-DOCU USING WORD SUBRC.
1410 * Window oben oder unten
1420     DATA Y1 LIKE SY-WINY1.
1430     DATA Y2 LIKE SY-WINY2.
1440 * Tabelle fuer Doku
1450     DATA: BEGIN OF DTAB OCCURS 100,
1460             FORMAT(1),
1470             LINE(61),
1480     END OF DTAB.
1490 * Schluessel fuer READ DOCUMENTATION
1500     DATA: BEGIN OF DDNAME,
1510             'SD',
1520             'ABAP',
1530             WORD(30),
1540     END OF DDNAME.
1550 * Titel fuer Window
1560     DATA: BEGIN OF TITEL,
1570             TEXT(30),
1580             WORD(30),
1590     END OF TITEL.
1600 * Schluessel fuellen
1610     DDNAME-WORD= WORD.
1620 * ... und Doku lesen
1630     READ DOCUMENTATION DDNAME LANGUAGE SY-LANGU INTO DTAB.
1640 * Keine Doku da ==> Fehlermeldung
1650     IF SY-SUBRC NE 0.
1660         PERFORM PICK-ERROR.
1670         SUBRC = 4.
1680     EXIT.
1690     ENDIF.
```

Fortsetzung Programm U-M-007 (RFSCHU80)

```
1700  * Fuelle Titel
1710    TITEL-TEXT = 'Schluesselwortdokumentation'(003).
1720    TITEL-WORD = WORD.
1730    CONDENSE TITEL.
1740  * Window an die richtige Stelle
1750    IF SY-CUROW < 12.
1760        Y1 = 13.
1770        Y2 = 22.
1780    ELSE.
1790        Y1 = 2.
1800        Y2 = 10.
1810    ENDIF.
1820    WINDOW LIST STARTING AT 8Y1
1830        ENDING AT 72 Y2
1840        WITH FRAME
1850        TITLE TITEL.
1860  * Gib Doku ins Window aus
1870    FORMAT INTENSIFIED.
1880    SET BLANK LINES ON.
1890    LOOP AT DTAB.
1900  * .PAG creates NEW-PAGE.
1910    IF DTAB-LINE(4) = '.PAG'.
1920        NEW-PAGE.
1930    ELSE.
1940        IF DTAB-LINE(1) = '.' AND DTAB-LINE+1 = SPACE.
1950            SKIP 1.
1960        ELSE.
1970            IF DTAB-LINE(1) = '*'.
1980                FORMAT INTENSIFIED ON COLOR 5.
1990            ENDIF.
2000            WRITE / DTAB-LINE.
2010            FORMAT INTENSIFIED OFF COLOR 1.
2020        ENDIF.
2030    ENDIF.
2040    ENDLOOP.
2050    ENDFORM.
```

Fortsetzung Programm U-M-007 (RFSCHU80)

```
2060 *-----*
2070 * Bringt Fehlermeldung in Window      *
2080 *-----*
2090 FORM PICK-ERROR.
2100 * Window oben oder unten
2110     DATA Y1 LIKE SY-WINY1.
2120     DATA Y2 LIKE SY-WINY2.
2130     IF SY-CUROW < 14.
2140         Y1 = 18.
2150         Y2 = 19.
2160     ELSE.
2170         Y1 = 8.
2180         Y2 = 9.
2190     ENDIF.
2200     WINDOW STARTING AT 20 Y1
2210             ENDING AT 60 Y2
2220             WITH FRAME.
2230     WRITE: 'Bitte stellen Sie den Cursor'(001).
2240     WRITE: 'auf ein ABAP-Schluesselwort.'(002).
2250     ENDFORM.
```

Fortsetzung Programm U-M-007 (RFSCHU80)

```
2260 *-----*
2270 * Serviceroutine fuer GET-CONTENT:      *
2275 *   findet richtiges Stueck des Worts    *
2280 *-----*
2290 FORM SPLIT-WORD USING WORD VALUE(OFFSET) FDPOS.
2300   DATA LENGTH TYPE P.
2310   FIELD-SYMBOLS <TAIL>.
2320   DO.
2330     IF FDPOS < OFFSET.
2340       SHIFT WORD BY FDPOS PLACES.
2350       SHIFT WORD.
2360       OFFSET = OFFSET - FDPOS - 1.
2370       FDPOS = 99.
2380       IF WORD CS ' '.
2390         FDPOS = SY-FDPOS.
2400       ENDIF.
2410       IF WORD CS ':' AND SY-FDPOS < FDPOS.
2420         FDPOS = SY-FDPOS.
2430       ENDIF.
2440       IF FDPOS = 99.
2450         EXIT.
2460       ENDIF.
2470     ELSE.
2480       LENGTH = 72 - FDPOS.
2490       ASSIGN WORD+FDPOS(LENGTH) TO <TAIL>.
2500       CLEAR <TAIL>.
2510       EXIT.
2520     ENDIF.
2530   ENDDO.
2540 ENDFORM.

2550 TOP-OF-PAGE.
2560 SY-TVARO = PROGNAME.
```