bapi创建会计凭证

```
*&---------------------------------------------------------------------*
*& Report  ZFM_FIN_03
*&
*&---------------------------------------------------------------------*
*&
*&
*&---------------------------------------------------------------------*
REPORT zbank_approval3.
TABLES:zbank_tra_info1.
TYPE-POOLS: slis.
DATA: fieldcatalog    TYPE slis_t_fieldcat_alv WITH HEADER LINE,
*     GD_TAB_GROUP    TYPE SLIS_T_SP_GROUP_ALV,
      gd_tab_group    TYPE slis_t_specialcol_alv,
      gd_layout       TYPE slis_layout_alv,
      gt_fieldcat     TYPE slis_t_fieldcat_alv,
      gt_events       TYPE slis_t_event,      " ALV Event table
      gd_repid        LIKE sy-repid,
      gs_print        TYPE slis_print_alv,
      gs_cell_color   TYPE slis_color,
      bapi_type       TYPE i,
      rpt_title(40)   TYPE c,
      space_11(15)    TYPE c,
      dat_11(10)      TYPE c.
DATA : gc_matnr LIKE mara-matnr .

DATA:lwa_sval TYPE sval,
     li_sval  TYPE ty_sval.

*DATA: PS_FCAT     TYPE SLIS_FIELDCAT_ALV,
*      GD_REPID        LIKE SY-REPID,
*      LT_LAYO     TYPE SLIS_LAYOUT_ALV,
*      LT_EVENTS   TYPE SLIS_T_EVENT,
*      IT_EXCLUDE  TYPE SLIS_T_EXTAB,
*      GIT_EVENTS  TYPE SLIS_T_EVENT,
*      GIT_LIST_COMMENTS TYPE SLIS_T_LISTHEADER.
*DATA: gt_show   LIKE TABLE OF tp_out WITH HEADER LINE.
DATA: wa_sort TYPE slis_sortinfo_alv,
      v_stru_disvar TYPE disvariant,
      it_sort  TYPE slis_t_sortinfo_alv   WITH HEADER LINE.


DATA: t_spop LIKE spopli OCCURS 0 WITH HEADER LINE. "定义供用户选择列表

DATA: BEGIN OF it_tra_info .
DATA: box  TYPE c.
        INCLUDE STRUCTURE zbank_tra_info1.
DATA: END OF it_tra_info.
DATA: t_kna1 LIKE TABLE OF kna1 WITH HEADER LINE.
*
*DATA: gt_tra_info  LIKE TABLE OF zbank_tra_info1 WITH HEADER LINE,
*     wt_tra_info  LIKE  tp_out.

*TABLES: bseg,bkpf.
DATA: tmp_kunnr   TYPE kunnr. "客户编号
TYPES: BEGIN OF tp_out,
       mark   TYPE c,
       buzei(200)  TYPE c,
       ibknum(200)  TYPE c,
       actacn(200) TYPE c, "收款账号
       actname(200) TYPE c,
       ibkname(200) TYPE c,
       transibkn(200) TYPE c,
       toname(200) TYPE c,
       transbank(200) TYPE c,
       mactibkn(200) TYPE c,
       transact(200) TYPE c,
       transname(200) TYPE c,
       mactbank(200) TYPE c,
       vchnum(200) TYPE c,
       txndate(200) TYPE c,
       txntime(200) TYPE c,
       txnamt(200) TYPE c,
       acctbal(200) TYPE c,
       avlbal(200) TYPE c,
       frzamt(200) TYPE c,
       overdramt(200) TYPE c,
       avloverdramt(200) TYPE c,
```

```abap
        acsref(200) TYPE c,
        furinfo(200)  TYPE c,
        transtype(200) TYPE c,
        trncur(200)   TYPE c,
        direction(200) TYPE c,
        feeact(200) TYPE c,
        feeamt(200) TYPE c,
        feecur(200) TYPE c,
        useinfo(200) TYPE c,
        reserve1(200) TYPE c,
        reserve2(200) TYPE c,
        reserve3(200) TYPE c,
        valdat(200) TYPE c,  "起息日
        vouchnum(200) TYPE c,"凭证号
        fxrate(200) TYPE c, "汇率
        interinfo(200) TYPE c, "汇率
        transid(200) TYPE c, "备选号
        cusid(200) TYPE c, "备选号
        hkont(200) TYPE c, "客户代码
        kunnr(200) TYPE c, "客户代码
        ac_doc_no(200) TYPE c,"收款凭证号
        fisc_year(200) TYPE c,"会计年度
    END OF tp_out.
*-------------------------------------------------------------------------------------------
* DATA: v_pos TYPE i . " 指定第几列
** DATA: wa_fieldcat TYPE slis_fieldcat_alv , " 相当于工作区
**      i_fieldcat TYPE slis_t_fieldcat_alv , " 存放列名的捏表
**      i_layout TYPE slis_layout_alv . " 负责整个ALV的全局属性
*
*DATA: wa_fieldcat TYPE lvc_s_fcat , " 相当于工作区
*      i_fieldcat TYPE lvc_t_fcat , " 存放列名的捏表
*      i_layout TYPE lvc_s_layo . " 负责整个ALV的全局属性zz
*
**-------------------------------------------------------------------------------------------
DATA:
     gt_bseg TYPE TABLE OF zbank_tra_info1 WITH HEADER LINE,
     gt_bkpf TYPE TABLE OF zbank_tra_info1 ,
     gt_out TYPE TABLE OF tp_out WITH HEADER LINE,
     gt_show TYPE TABLE OF tp_out WITH HEADER LINE,
     gt_itab TYPE TABLE OF zbank_tra_info1 WITH HEADER LINE.

INCLUDE <list>.


SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE text-001.
*PARAMETERS: s_data TYPE sy-datum DEFAULT SY-DATUM OBLIGATORY,
*          e_data TYPE sy-datum DEFAULT SY-DATUM OBLIGATORY.
SELECT-OPTIONS: s_date FOR zbank_tra_info1-txndate  DEFAULT sy-datum OBLIGATORY.
SELECTION-SCREEN END OF BLOCK b1.




*取当前日期为默认执行日期
*SELECTION-SCREEN BEGIN OF BLOCK B1 WITH FRAME TITLE TEXT-001.
*PARAMETERS:
*E_DATA TYPE sy-datum DEFAULT SY-DATUM OBLIGATORY.
*
*SELECTION-SCREEN END OF BLOCK B1.

START-OF-SELECTION.

*取当日数据
  PERFORM get_data.
* 显示数据
  PERFORM frm_alv_output.

*&---------------------------------------------------------------------*
*&      Form  get_data
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
FORM get_data.
*v_pos = v_pos + 1 .
*wa_fieldcat-col_pos = v_pos . " 指定列数
*wa_fieldcat-fieldname = 'PSPID' . " 需要输出的内表的字段名
*wa_fieldcat-scrtext_l = '项目定义 '. " 字段的描述-长字段标签
*wa_fieldcat-scrtext_m = '项目定义 '. " 字段描述-中字段标签
*wa_fieldcat-scrtext_s = '项目定义 '. " 字段描述-短字段标签
*wa_fieldcat-fix_column = 'X' . " 是否是固定列
*APPEND wa_fieldcat TO gt_itab .
*CLEAR wa_fieldcat .
```

```abap
  DATA: t_transname TYPE string,
        t_direction TYPE string.
*
** 将数据读取到内表中
  SELECT * INTO TABLE gt_itab FROM zbank_tra_info1 WHERE txndate  IN s_date.

* IF gt_tra_info[] IS NOT INITIAL.
*    SELECT * FROM ZBANK_TRA_INFO1
*     INTO TABLE gt_tra_info
*     FOR ALL ENTRIES IN gt_reguh
*     WHERE TXNDATE = P_monat.

* SELECT * INTO TABLE gt_bkpf FROM bkpf WHERE bukrs = P_BUKRS AND gjahr = p_gjahr AND belnr in p_belnr AND monat = p_monat.

* IF gt_bkpf[] is NOT INITIAL.
*    SELECT * INTO TABLE gt_bseg
*     FROM ZBANK_TRA_INFO1
*     FOR ALL ENTRIES IN gt_bkpf
*     WHERE
*     TXNDATE = P_monat.
* se11
* ENDIF.

  DATA:ls_out TYPE tp_out.
  FIELD-SYMBOLS <fs> TYPE zbank_tra_info1.
  LOOP AT gt_itab ASSIGNING <fs>.
    MOVE-CORRESPONDING <fs> TO ls_out.
    APPEND ls_out TO gt_out.
  ENDLOOP.

  LOOP AT gt_out.

*在内表数据进行判断是否满足要求
*逻辑判断是否需要调用BAPI
*读取对方名称，及获取收款或者付款信息
    t_transname = gt_out-transname.
    t_direction = gt_out-direction.

* gt_out-acntname = gt_itab-TRANSNAME.
* gt_out-direction = gt_itab-DIRECTION.
* APPEND gt_out.

    IF t_direction = 'D'.
      if gt_out-kunnr is INITIAL.
      SELECT SINGLE kunnr
        FROM kna1
       INTO gt_out-kunnr
       WHERE name2 = t_transname.

      UPDATE zbank_tra_info1
       set kunnr = gt_out-kunnr
       WHERE TRANSACT = gt_out-TRANSACT
       AND   VCHNUM   = gt_out-VCHNUM
       AND   TRANSACT = gt_out-TRANSACT.
      ENDIF.

*  根据客户代码和公司代码查询出先前主记录号码
*  data: tmp_ALTKN type ALTKN.
*  SELECT SINGLE ALTKN
*     FROM KNB1
*     into tmp_ALTKN
*  WHERE KUNNR = tmp_kunnr  and BUKRS = '8888'.
*
**如果先前账户不为空则生成凭证
*  if tmp_ALTKN is not initial.
     gt_show = gt_out.
     gt_show-kunnr = gt_out-kunnr.
     APPEND gt_show.
  ENDIF.

  ENDLOOP.
ENDFORM.                "get_data

*&---------------------------------------------------------------------*
*&      Form  FRM_ALV_OUTPUT
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
FORM frm_alv_output.
  PERFORM frm_ref_field.
```

```
  PERFORM build_layout.
  PERFORM display_alv_report.
ENDFORM.                 "FRM_ALV_OUTPUT
*&---------------------------------------------------------------------*
*&      Form  FRM_REF_FIELD
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
*  -->  p1        text
*  <--  p2        text
*----------------------------------------------------------------------*
FORM frm_ref_field .

  fieldcatalog-fieldname   = 'MARK'.
  fieldcatalog-seltext_m   = '标志'.
*  fieldcatalog-checkbox = 'X'.
*  fieldcatalog-edit       = 'X'.
  fieldcatalog-no_out      = 'X'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TXNDATE'.
  fieldcatalog-seltext_m   = '交易日期'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'ACTACN'.
  fieldcatalog-seltext_m   = '账号'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'ACTNAME'.
  fieldcatalog-seltext_m   = '名称'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TRANSIBKN'.
  fieldcatalog-seltext_m   = '对方开户银行号'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TRANSBANK'.
  fieldcatalog-seltext_m   = '对方开户行名称'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TRANSACT'.
  fieldcatalog-seltext_m   = '对方账号'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TRANSNAME'.
  fieldcatalog-seltext_m   = '对方名称'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'KUNNR'."vchnum
  fieldcatalog-seltext_m   = '客户代码'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'VCHNUM'."vchnum
  fieldcatalog-seltext_m   = '交易流水号'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.


  fieldcatalog-fieldname   = 'TRNCUR'. "trncur(
  fieldcatalog-seltext_m   = '交易币种'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.

  fieldcatalog-fieldname   = 'TXNAMT'.
  fieldcatalog-seltext_m   = '金额'.
  APPEND fieldcatalog TO fieldcatalog.
  CLEAR  fieldcatalog.


  fieldcatalog-fieldname   = 'USEINFO'."useinfo
  fieldcatalog-seltext_m   = '用途'.
  APPEND fieldcatalog TO fieldcatalog.
```

```
      CLEAR  fieldcatalog.


   fieldcatalog-fieldname   = 'AC_DOC_NO'.
   fieldcatalog-seltext_m   = '收款凭证号'.
   APPEND fieldcatalog TO fieldcatalog.
   CLEAR  fieldcatalog.

   fieldcatalog-fieldname   = 'FISC_YEAR'.
   fieldcatalog-seltext_m   = '会计年度'.
   APPEND fieldcatalog TO fieldcatalog.
   CLEAR  fieldcatalog.
*
* fieldcatalog-fieldname   = 'ACCTBAL'.
* fieldcatalog-seltext_m   = '交易后余额'.
* APPEND fieldcatalog TO fieldcatalog.
* CLEAR  fieldcatalog.
*
* fieldcatalog-fieldname   = 'AVLBAL'.
* fieldcatalog-seltext_m   = '可用余额'.
* APPEND fieldcatalog TO fieldcatalog.
* CLEAR  fieldcatalog.
*
* fieldcatalog-fieldname   = 'FRZAMT'. "trncur(
* fieldcatalog-seltext_m   = '冻结金额'.
* APPEND fieldcatalog TO fieldcatalog.
* CLEAR  fieldcatalog.
*
* fieldcatalog-fieldname   = 'VALDAT'.
* fieldcatalog-seltext_m   = '起息日'.
* APPEND fieldcatalog TO fieldcatalog.
* CLEAR  fieldcatalog.


* PS_FCAT-FIELDNAME = 'TRANSIBKN'.
* PS_FCAT-SELTEXT_M = '对方开户银行号'.
* APPEND PS_FCAT TO IT_FCAT.
* CLEAR: PS_FCAT.
* PS_FCAT-FIELDNAME = 'TRANSBANK'.
* PS_FCAT-SELTEXT_M = '对方开户行名称'.
* APPEND PS_FCAT TO IT_FCAT.
* CLEAR: PS_FCAT.
*  PS_FCAT-FIELDNAME = 'TRANSACT'.
* PS_FCAT-SELTEXT_M = '对方账号'.
* APPEND PS_FCAT TO IT_FCAT.
* CLEAR: PS_FCAT.
* PS_FCAT-FIELDNAME = 'TRANSNAME'.
* PS_FCAT-SELTEXT_M = '对方名称'.
* APPEND PS_FCAT TO IT_FCAT.
* CLEAR: PS_FCAT.
*
* PS_FCAT-FIELDNAME = 'AUGBL'.
* PS_FCAT-SELTEXT_M = '财务凭证编号'.
* APPEND PS_FCAT TO IT_FCAT.
* CLEAR: PS_FCAT.
* PS_FCAT-FIELDNAME = 'BSCHL'.
* PS_FCAT-SELTEXT_M = '记账代码'.
* APPEND PS_FCAT TO IT_FCAT.

ENDFORM.                " FRM_REF_FIELD


*&     Form  build_layout
*&---------------------------------------------------------------------*
*& ALV报表前的 CHECK BOX 的设置
*---------------------------------------------------------------------*
FORM build_layout.
  gd_layout-no_input          = ' '.
  gd_layout-box_fieldname = 'MARK'.
  gd_layout-colwidth_optimize = 'X'.
ENDFORM.                " build_layout

*&---------------------------------------------------------------------*
*&     Form  display_alv_report
*&---------------------------------------------------------------------*
*& ALV输出函数调用
*---------------------------------------------------------------------*
* --> p1      text
* <-- p2      text
*---------------------------------------------------------------------*
FORM display_alv_report.
```

```abap
   gd_repid = sy-repid.
*  CLEAR t_response_bd_all.
   CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
     EXPORTING
       i_callback_program      = gd_repid
       i_callback_pf_status_set = 'SET_PF_STATUS'
       i_callback_user_command  = 'USER_COMMAND'
       is_layout              = gd_layout
       it_fieldcat            = fieldcatalog[]
       i_default              = 'X'
       i_save                 = 'X'
       is_variant             = v_stru_disvar
       it_events              = gt_events[]
       is_print               = gs_print
     TABLES
       t_outtab               = gt_show
     EXCEPTIONS
       program_error          = 1
       OTHERS                 = 2.
   IF sy-subrc <> 0.

   ENDIF.
ENDFORM.                    "FRM_SET_STATUS
*&---------------------------------------------------------------------*
*&      Form  user_command
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
FORM user_command USING r_ucomm LIKE sy-ucomm
rs_selfield TYPE slis_selfield.
   DATA:l_line TYPE i.
   DATA:l_show TYPE string.
   DATA: gd_repid LIKE sy-repid,
         ref_grid TYPE REF TO cl_gui_alv_grid.
   DATA: l_answer TYPE char5.
   IF ref_grid IS INITIAL.
     CALL FUNCTION 'GET_GLOBALS_FROM_SLVC_FULLSCR'
       IMPORTING
         e_grid = ref_grid.
   ENDIF.
   IF NOT ref_grid IS INITIAL.
     CALL METHOD ref_grid->check_changed_data .
   ENDIF.

   rs_selfield-refresh = 'X'.

   CASE r_ucomm.
     WHEN '&IC1'.
       READ TABLE gt_show  INDEX rs_selfield-tabindex.
       IF gt_show-kunnr IS INITIAL.
*
*
*       SELECT * INTO  TABLE t_kna1 FROM kna1.
*
*       REFRESH t_spop.
*
*       LOOP AT t_kna1.
*       CONCATENATE
*       t_kna1-name2 '(' t_kna1-kunnr ')'     into l_show.
*       CLEAR t_spop.
*       t_spop-selflag = ''.                "设置选中
*       t_spop-varoption = l_show.            "设置显示的文本
*       t_spop-inactive  = ''.              "设置不可编辑
*       APPEND t_spop.
*       ENDLOOP.
*
*       CALL FUNCTION 'POPUP_TO_DECIDE_LIST'
*       EXPORTING
*       cursorline           = 1
*       mark_flag            = ' '
*       mark_max             = 1
*       start_col            = 20          "设置开始的列
*       start_row            = 7           "设置开始的行
*       textline1            = '请选择客户编号'              "设置文本行内容1
**      TEXTLINE2            = ' '
**      TEXTLINE3            = ' '
*       titel                = '客户编号为空，请设置' "设置标题
**      DISPLAY_ONLY         = ' '
*       IMPORTING
*       answer               = l_answer         "获得用户选择,这里返回的值对应是当前列表NO，比如第一个就返回1，第二个返回2。。。。。
```

```abap
*    TABLES
*    t_spopli           = t_spop        "设置选择列表
*    EXCEPTIONS
*    not_enough_answers      = 1
*    too_much_answers        = 2
*    too_much_marks          = 3
*    OTHERS             = 4
*    .
*
*    IF sy-subrc <> 0.
*       EXIT.
*    ENDIF.
*    if l_answer = 'A'.
*       EXIT.
*    ENDIF.

lwa_sval-tabname    = 'KNA1'.    "结构
lwa_sval-fieldname  = 'KUNNR'.        "字段名
lwa_sval-value      = ''.        "初始值
lwa_sval-fieldtext  = '客户代码'.
APPEND lwa_sval TO li_sval.

lwa_sval-tabname    = 'KNA1'.    "结构
lwa_sval-fieldname  = 'NAME2'.        "字段名
lwa_sval-value      = 'VALUE'.        "初始值
lwa_sval-comp_code  = 'EQ' .
lwa_sval-fieldtext  = '客户代码'.


    CALL FUNCTION 'POPUP_GET_VALUES'
    EXPORTING
    popup_title    = '客户代码为空，请设置'
    TABLES
    fields         = li_sval
    EXCEPTIONS
    error_in_fields = 1
    OTHERS         = 4.

*    l_line = l_answer.
*    READ TABLE t_kna1 INDEX  l_line.
    CLEAR lwa_sval.
    LOOP AT li_sval INTO lwa_sval.
    UPDATE zbank_tra_info1
    set kunnr = lwa_sval-VALUE
    WHERE TRANSACT = gt_show-TRANSACT
    AND   VCHNUM   = gt_show-VCHNUM
    AND  TRANSACT  = gt_show-TRANSACT.

    MESSAGE  s111(z_1) WITH '客户代码已更新！' DISPLAY LIKE 'I'.
    LEAVE TO SCREEN 0.
    ENDLOOP.

    ELSE.
     IF gt_show-ac_doc_no IS INITIAL.
       MESSAGE s111(z_1) WITH '该凭证还未生成，请在生成后查询！' DISPLAY LIKE 'E'.
     ELSE.
      IF sy-subrc = 0.
        SET PARAMETER ID 'BUK' FIELD '8888'.
        SET PARAMETER ID 'GJR' FIELD gt_show-fisc_year.
        SET PARAMETER ID 'BLN' FIELD gt_show-ac_doc_no.
        CALL TRANSACTION 'FB03' AND SKIP FIRST SCREEN.
      ENDIF.
     ENDIF.
    ENDIF.
*  WHEN 'SELA'.  "全选
*    PERFORM sela.
*  WHEN 'SELD'.  "全不选
*    PERFORM seld.
  WHEN 'APPR2'.  "收款凭证
   bapi_type = 1.
   PERFORM appr.
  WHEN 'APPR1'.  "预收款凭证
   bapi_type = 2.
   PERFORM appr.
  WHEN 'BACK'.  "返回
   LEAVE TO SCREEN 0.
  WHEN 'EXIT'.  "退出
   LEAVE PROGRAM.
```

```abap
   ENDCASE.
ENDFORM.              "user_command

*&---------------------------------------------------------------------*
*&     FORM SET_PF_STATUS
*&---------------------------------------------------------------------*
*      SET TITLE AND STUTAS OF DETAIL SCREEN
*----------------------------------------------------------------------*
FORM set_pf_status USING rt_extab TYPE slis_t_extab.
  CLEAR: rt_extab.
  REFRESH: rt_extab.
  SET PF-STATUS 'Z101' EXCLUDING rt_extab.
ENDFORM.              "set_pf_status

" FRM_ALV_DISPLAY
*
*FORM FRM_ALV_DISPLAY2 .
*  CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
*    EXPORTING
*     I_CALLBACK_PROGRAM      = 'ZFI_FIN_SHENER_2'
*     I_CALLBACK_PF_STATUS_SET = 'FRM_SET_STATUS'"'SET_PF_STATUS'"
*     IS_LAYOUT             = LT_LAYO
*     IT_FIELDCAT          = IT_FCAT
*     IT_EXCLUDING          = IT_EXCLUDE
*     I_CALLBACK_USER_COMMAND = 'USER_COMMAND'
*     I_SAVE              = 'A'
*     IT_EVENTS            = GIT_EVENTS
*   TABLES
*     T_OUTTAB             = gt_out1
*   EXCEPTIONS
*     PROGRAM_ERROR          = 1
*     OTHERS               = 2.
* IF SY-SUBRC <> 0.
*   MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO
*         WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.
* ENDIF.
*ENDFORM.
*&---------------------------------------------------------------------*
*&     Form  SELA
*&---------------------------------------------------------------------*
*& 全选
*----------------------------------------------------------------------*
*FORM sela.
* CLEAR wt_tra_info.
* LOOP AT  gt_tra_info INTO wt_tra_info .
*   wt_tra_info-mark = 'X'.
*   MODIFY gt_tra_info FROM wt_tra_info.
* ENDLOOP.
* CLEAR wt_tra_info.
*
* PERFORM display_alv_report..
*
*ENDFORM.               "SELA
*&---------------------------------------------------------------------*
*&     Form  SELD
*&---------------------------------------------------------------------*
*& 全不选
*----------------------------------------------------------------------*
*FORM seld.
* CLEAR wt_tra_info.
* LOOP AT  gt_tra_info INTO wt_tra_info .
*   wt_tra_info-mark = ''.
*   MODIFY gt_tra_info FROM wt_tra_info.
* ENDLOOP.
* CLEAR wt_tra_info.
*
* PERFORM display_alv_report..
*ENDFORM.
*&---------------------------------------------------------------------*
*&     Form  USER_COMMAND
*&---------------------------------------------------------------------*
*      text
*----------------------------------------------------------------------*
*    -->R_UCOMM     text
*    -->RS_SELFIELD  text
*----------------------------------------------------------------------*
*FORM USER_COMMAND USING R_UCOMM LIKE SY-UCOMM
*                   RS_SELFIELD TYPE SLIS_SELFIELD.
*
* CASE R_UCOMM.
*   WHEN 'BACK' OR 'EXIT'.
```

```abap
*    LEAVE   PROGRAM.
**   WHEN '1DEL'.
**   PERFORM event_1del.
*  WHEN 'SAVE'.
*   PERFORM event_save.
* ENDCASE.
*ENDFORM.              "USER_COMMAND

*FORM event_1del.
*     CLEAR :GT_OUT1,GT_OUT1[].
*    LOOP AT gt_out.
*     IF gt_out-box  = 'X'.
*       DELETE GT_OUT WHERE BOX = 'X'.
*     ELSE.
*       MOVE-CORRESPONDING gt_out TO gt_out1.
*       APPEND gt_out1.
*     ENDIF.
*    ENDLOOP.
*  PERFORM FRM_ALV_DISPLAY2.
*ENDFORM.

FORM appr.

 TYPES:BEGIN OF typ_itab,
    km1    TYPE  bseg-hkont, "借方科目
    km2    TYPE  bseg-hkont, "贷方科目
    budat  TYPE  bkpf-budat, "凭证日期
    bldat  TYPE  bkpf-bldat,
    monat  TYPE  bkpf-monat, "过账日期
    bktxt  TYPE  bkpf-bktxt, "抬头文本
    rstgr  TYPE  bseg-rstgr, "原因代码
    wrbtr  TYPE  bseg-wrbtr, "过账金额
    zuonr  TYPE  bseg-zuonr,  "分配
    sgtxt  TYPE  bseg-sgtxt,  "文本
    fjz TYPE c,
 END OF typ_itab.
 DATA: itab TYPE STANDARD TABLE OF typ_itab WITH HEADER LINE,
     wa_itab TYPE typ_itab.
 DATA: s1 TYPE typ_itab.


****前一天的全局变量
 DATA: v_date TYPE d.
 DATA: v_wrbtr(15) TYPE  c.
 DATA: v_wrbtr_h(15) TYPE  c.
*******存放消息文本
 TYPES: BEGIN OF typ_mes,
        belnr TYPE bkpf-belnr,
      END OF typ_mes.
 " DATA:itab_mes  TYPE STANDARD TABLE OF typ_mes,
  "   wa_mes TYPE typ_mes.
**********
 TYPES:BEGIN OF typ_resublt,
     msgv1 TYPE bdcmsgcoll-msgv1,
     msgtyp TYPE bdcmsgcoll-msgtyp,
     END OF typ_resublt.


****bapi define
 DATA: it_acctgl TYPE STANDARD TABLE OF bapiacgl09 WITH HEADER LINE, "GL
     it_cus    TYPE STANDARD TABLE OF bapiacar09 WITH HEADER LINE, "Cus
     it_value TYPE STANDARD TABLE OF bapiaccr09 WITH HEADER LINE,
     it_return TYPE STANDARD TABLE OF bapiret2 WITH HEADER LINE,
     wa_return TYPE bapiret2.
 DATA: wa_bapiheader LIKE bapiache09,
     wa_headbapi LIKE bapiache09,
     l_obj_type TYPE  bapiache02-obj_type,
     l_obj_key TYPE  bapiache02-obj_key,
     l_ac_doc_no TYPE  bapiache02-ac_doc_no,
     l_fisc_year TYPE  bapiache02-fisc_year,
     l_obj_sys TYPE  bapiache02-obj_sys.

 DATA:l_wrbtr TYPE wrbtr,
     p_s TYPE typ_itab.
 CLEAR:it_acctgl[],it_value[].
 CLEAR: wa_bapiheader.
 DATA: l_answer TYPE c.
 DATA: tmp_t TYPE i.
 tmp_t = 0.

 CALL FUNCTION 'POPUP_TO_CONFIRM'
```

```abap
      EXPORTING
        titlebar           = '警告'
        text_question      = '该操作执行后不可撤销，是否要确认记账？'
        text_button_1      = '是'
        icon_button_1      = 'ICON_CHECKED'
        text_button_2      = '否'
        icon_button_2      = 'ICON_INCOMPLETE'
        default_button     = '2'
        display_cancel_button = 'X'
        userdefined_f1_help   = ' '
      IMPORTING
        answer             = l_answer
      EXCEPTIONS
        text_not_found     = 1
        OTHERS             = 2.

  CASE l_answer.
    WHEN '1'.


      LOOP AT gt_show.
        IF gt_show-ac_doc_no IS NOT INITIAL AND gt_show-mark = 'X'.
          tmp_t = 2.
          MESSAGE s111(z_1) WITH '已经生成收款凭证，请不要重复选择！' DISPLAY LIKE 'E'.
          EXIT.
        ENDIF.

      ENDLOOP.

      LOOP AT gt_show.

        if gt_show-mark = 'X' AND gt_show-kunnr is INITIAL .
          tmp_t = 2.
          EXIT.
        ENDIF.

        IF gt_show-mark = 'X' AND  gt_show-ac_doc_no = ''.
          tmp_t = 1.
* 定义头
          CLEAR wa_bapiheader.
          REFRESH it_acctgl.
          REFRESH it_value.
          REFRESH it_cus.
          REFRESH it_return.

          IF bapi_type = 2.
            CONCATENATE '收' gt_show-transname+0(4) '预收账款' INTO gt_show-acsref.
          ELSE.
            CONCATENATE '收' gt_show-transname+0(4) '应收账款' INTO gt_show-acsref.
          ENDIF.


          wa_bapiheader-username   = sy-uname.        "制证人
          wa_bapiheader-header_txt = gt_show-acsref.     "抬头文本
          wa_bapiheader-comp_code  = '8888'.         "公司代码
          wa_bapiheader-doc_date   = gt_show-txndate.    "凭证日期
          wa_bapiheader-pstng_date = gt_show-txndate.    "过账日期
          wa_bapiheader-fisc_year  = gt_show-txndate+0(4). "会计年度
          wa_bapiheader-fis_period = gt_show-txndate+4(2). "会计期间
          wa_bapiheader-doc_type   = 'DZ'.         "凭证类型
          wa_bapiheader-ref_doc_no = gt_show-cusid. "参照

*如果是借款则 通过CNBOC 0001查询 总账科目
* V_T012K-BNKN2 账户号   GS_BNKA-BNKLZ 银行编号   V_T012K-HKONT
*  根据客户代码和公司代码查询出先前主记录号码
          DATA: tmp_hkont TYPE hkont.
          SELECT SINGLE hkont
            FROM t012k
            INTO tmp_hkont
            WHERE bnkn2 = gt_show-actacn .


          it_acctgl-itemno_acc   = 1.
          it_acctgl-gl_account = tmp_hkont.
          it_acctgl-item_text = gt_show-acsref . " 行文本
          it_acctgl-comp_code = '8888'.
          it_acctgl-alloc_nmbr = 'CA1111100'.
          it_acctgl-acct_type = 'S'.
*          it_acctgl-alloc_nmbr = 'CA1213000'. "分配
          APPEND  it_acctgl.
```

```abap
      it_value-itemno_acc   = 1.
      it_value-currency = gt_show-trncur.
      it_value-amt_doccur   = gt_show-txnamt.
      APPEND it_value.

      CLEAR: l_wrbtr.
      l_wrbtr = gt_show-txnamt * -1.

      it_cus-itemno_acc = 2.
      it_cus-comp_code = '8888'.
      it_cus-customer = gt_show-kunnr.
      it_cus-item_text = gt_show-acsref.
      IF bapi_type = 2.
        it_cus-sp_gl_ind = 'A'.
      ENDIF.
      APPEND it_cus.
      bapi_type  = 0.

      it_value-itemno_acc   = 2.
      it_value-currency = gt_show-trncur.
      it_value-amt_doccur   = l_wrbtr.
      APPEND it_value.


      DATA: error_flag TYPE c.
      CLEAR error_flag.
      CALL FUNCTION 'BAPI_ACC_DOCUMENT_POST'
        EXPORTING
          documentheader    = wa_bapiheader
*    customercpd      = wa_vendorcpd
        IMPORTING
          obj_type        = l_obj_type
          obj_key         = l_obj_key
          obj_sys         = l_obj_sys

        TABLES
          accountgl        = it_acctgl
*    accountpayable     = it_acctap
          accountreceivable = it_cus
          currencyamount    = it_value
          return          = it_return.
      "  EXTENSION2       = IT_EXTENSION2.

*it_return-l_AC_DOC_NO "会计凭证号
*it_return-l_FISC_YEAR "会计年度
      read table it_return with key type = 'E'.
      if sy-subrc <> 0.
      CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
      EXPORTING
        wait   = 'X'
      IMPORTING
        return = it_return.
      else.
      CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'
      IMPORTING
        return = it_return.
      endif.


      LOOP AT it_return INTO wa_return.
        IF wa_return-type = 'S' .
        "  wa_mes-belnr = wa_return-message_v2+0(10).
        UPDATE zbank_tra_info1
        SET ac_doc_no   = wa_return-message_v2+0(10)
          fisc_year = wa_return-message_v2+14(4)
        WHERE cusid = gt_show-cusid.
         "APPEND wa_mes TO itab_mes.
         "CLEAR wa_mes.
        ENDIF.

      ENDLOOP.
      IF sy-subrc = 0 AND error_flag IS INITIAL.
        CALL FUNCTION 'BAPI_TRANSACTION_COMMIT' .
      ELSE.
        MESSAGE  s111(z_1) WITH '凭证生成故障，请检查参数！' DISPLAY LIKE 'E'.
      ENDIF.

*      IF it_return-message_v2 IS NOT INITIAL.
*        gt_show-ac_doc_no = it_return-message_v2+0(10).
*        gt_show-fisc_year = it_return-message_v2+14(4).
*
```

```abap
*          UPDATE zbank_tra_info1
*          SET ac_doc_no   = gt_show-ac_doc_no
*            fisc_year = gt_show-fisc_year
*          WHERE cusid = gt_show-cusid.
*        ENDIF.
      ENDIF.
    ENDLOOP.

    IF tmp_t = 0.
      MESSAGE s111(z_1) WITH '请至少选择一行数据，再进行生成凭证！' DISPLAY LIKE 'E'.
    ENDIF.

    IF tmp_t = 1.
      MESSAGE s111(z_1) WITH '生成收款凭证成功，请退出后重新查询！' DISPLAY LIKE 'I'.
      LEAVE TO SCREEN 0.
    ENDIF.

    IF tmp_t = 2.
      MESSAGE s111(z_1) WITH '客户编号为空，不能生成凭证！' DISPLAY LIKE 'E'.
    ENDIF.


  ENDCASE.

ENDFORM.                "APPR
```