\*&---------------------------------------------------------------------\*  
\*& Report  ZBDC\_MAT\_CHANGE\_SESSION\_01  
\*&  
\*&---------------------------------------------------------------------\*  
\*&  
\*&  
\*&---------------------------------------------------------------------\*  
  
REPORT  zbdc\_mat\_change\_session\_01.  
TYPES:  
BEGIN OF t\_data,  
  matnr TYPE mara-matnr,  
  maktx TYPE makt-maktx,  
 END OF t\_data,  
 t\_data\_tab     TYPE STANDARD TABLE OF t\_data,  
 t\_bdcdata\_tab  TYPE STANDARD TABLE OF bdcdata.  
  
DATA: it\_data     TYPE t\_data\_tab,  
      it\_bdcdata  TYPE t\_bdcdata\_tab,  
      wa\_data     TYPE t\_data,  
      wa\_bdcdata  TYPE bdcdata.  
  
PARAMETERS:  
  p\_group TYPE apqi-groupid   DEFAULT 'ZGROUP1',  
  p\_hdate TYPE apqi-startdate DEFAULT sy-datum,  
  p\_keep  TYPE apqi-qerase    DEFAULT 'X',  
  p\_user  TYPE apqi-userid    DEFAULT sy-uname,  
  p\_tcode TYPE tstc-tcode DEFAULT 'MM02'.  
PARAMETERS: p\_path TYPE ibipparms-path.  
  
AT SELECTION-SCREEN ON VALUE-REQUEST FOR p\_path .  
  PERFORM get\_path.  
  
START-OF-SELECTION.  
  PERFORM upload\_data.  
  PERFORM change\_material.  
  
\*&---------------------------------------------------------------------\*  
\*&      Form  GET\_PATH  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM get\_path .  
  CALL FUNCTION 'F4\_FILENAME'  
    IMPORTING  
      file\_name = p\_path.  
ENDFORM.                    " GET\_PATH  
\*&---------------------------------------------------------------------\*  
\*&      Form  UPLOAD\_DATA  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM upload\_data .  
  " 3. Upload the file GUI\_UPLOAD  
  DATA: g\_path TYPE string.  
  g\_path = p\_path.  
  CALL FUNCTION 'GUI\_UPLOAD'  
    EXPORTING  
      filename            = g\_path  
      filetype            = 'ASC'  
      has\_field\_separator = 'X'  
    TABLES  
      data\_tab            = it\_data.  
ENDFORM.                    " UPLOAD\_DATA  
\*&---------------------------------------------------------------------\*  
\*&      Form  CHANGE\_MATERIAL  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM change\_material .  
  PERFORM open\_session.  
  LOOP AT it\_data INTO wa\_data.  
    PERFORM add\_bdcdata.  
    PERFORM insert\_session.  
    CLEAR it\_bdcdata.  
  ENDLOOP.  
  PERFORM close\_session.  
ENDFORM.                    " CHANGE\_MATERIAL  
\*&---------------------------------------------------------------------\*  
\*&      Form  ADD\_BDCDATA  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM add\_bdcdata .  
  " Populate BDCDATA  
                                                            "Screen#1  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-program  = 'SAPLMGMM'.  
  wa\_bdcdata-dynpro   = '0060'.  
  wa\_bdcdata-dynbegin = 'X'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "User action  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'BDC\_OKCODE'.  
  wa\_bdcdata-fval = '=AUSW'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "Industry Sector  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'RMMG1-MATNR'.  
  wa\_bdcdata-fval = wa\_data-matnr.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
                                                            "Screen#2  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-program  = 'SAPLMGMM'.  
  wa\_bdcdata-dynpro   = '0070'.  
  wa\_bdcdata-dynbegin = 'X'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "User action  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'BDC\_OKCODE'.  
  wa\_bdcdata-fval = '=ENTR'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "Basic Data 1  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'MSICHTAUSW-KZSEL(01)'.  
  wa\_bdcdata-fval = 'X'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
                                                            "Screen#2  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-program  = 'SAPLMGMM'.  
  wa\_bdcdata-dynpro   = '4004'.  
  wa\_bdcdata-dynbegin = 'X'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "User action  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'BDC\_OKCODE'.  
  wa\_bdcdata-fval = '=BU'.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
  "Material Text  
  CLEAR wa\_bdcdata.  
  wa\_bdcdata-fnam = 'MAKT-MAKTX'.  
  wa\_bdcdata-fval = wa\_data-maktx.  
  APPEND wa\_bdcdata TO it\_bdcdata.  
ENDFORM.                    " ADD\_BDCDATA  
\*&---------------------------------------------------------------------\*  
\*&      Form  OPEN\_SESSION  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM open\_session .  
  DATA: l\_qid TYPE apqi-qid.  
  CALL FUNCTION 'BDC\_OPEN\_GROUP'  
    EXPORTING  
      group               = p\_group  
      holddate            = p\_hdate  
      keep                = p\_keep  
      user                = p\_user  
    IMPORTING  
      qid                 = l\_qid  
    EXCEPTIONS  
      client\_invalid      = 1  
      destination\_invalid = 2  
      group\_invalid       = 3  
      group\_is\_locked     = 4  
      holddate\_invalid    = 5  
      internal\_error      = 6  
      queue\_error         = 7  
      running             = 8  
      system\_lock\_error   = 9  
      user\_invalid        = 10  
      OTHERS              = 11.  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  WRITE: 'Q id', l\_qid.  
ENDFORM.                    " OPEN\_SESSION  
\*&---------------------------------------------------------------------\*  
\*&      Form  INSERT\_SESSION  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM insert\_session .  
  CALL FUNCTION 'BDC\_INSERT'  
    EXPORTING  
      tcode            = p\_tcode  
\*     POST\_LOCAL       = NOVBLOCAL  
\*     PRINTING         = NOPRINT  
\*     SIMUBATCH        = ' '  
\*     CTUPARAMS        = ' '  
    TABLES  
      dynprotab        = it\_bdcdata  
    EXCEPTIONS  
      internal\_error   = 1  
      not\_open         = 2  
      queue\_error      = 3  
      tcode\_invalid    = 4  
      printing\_invalid = 5  
      posting\_invalid  = 6  
      OTHERS           = 7.  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
ENDFORM.                    " INSERT\_SESSION  
\*&---------------------------------------------------------------------\*  
\*&      Form  CLOSE\_SESSION  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM close\_session .  
  CALL FUNCTION 'BDC\_CLOSE\_GROUP'  
    EXCEPTIONS  
      not\_open    = 1  
      queue\_error = 2  
      OTHERS      = 3.  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
ENDFORM.                    " CLOSE\_SESSION