\*&---------------------------------------------------------------------\*  
\*& Module Pool       SAPMZMATMAS\_CREATE  
\*&  
\*&---------------------------------------------------------------------\*  
\*&  
\*&  
\*&---------------------------------------------------------------------\*  
  
  
INCLUDE MZMATMAS\_CREATETOP                      .    " global Data  
  
 INCLUDE MZMATMAS\_CREATEO01                      .  " PBO-Modules  
 INCLUDE MZMATMAS\_CREATEI01                      .  " PAI-Modules  
 INCLUDE MZMATMAS\_CREATEF01                      .  " FORM-Routines

\*&---------------------------------------------------------------------\*  
\*& Include MZMATMAS\_CREATETOP                                Module Pool      SAPMZMATMAS\_CREATE  
\*&  
\*&---------------------------------------------------------------------\*  
  
PROGRAM  sapmzmatmas\_create.  
DATA:  
      wa\_mara       TYPE zmara,  
      wa\_mara\_temp  TYPE zmara.

\*&---------------------------------------------------------------------\*  
\*&  Include           MZMATMAS\_CREATEO01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Module  STATUS\_0001  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE status\_0001 OUTPUT.  
  SET PF-STATUS 'STATUS\_1'.  
  SET TITLEBAR 'TITLE\_1'.  
  
ENDMODULE.                 " STATUS\_0001  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  DISABLE\_FIELDS  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE disable\_fields OUTPUT.  
  LOOP AT SCREEN.  
    CASE sy-ucomm.  
      WHEN '' OR 'DISP' OR 'CLER'.  
        IF  screen-group1 NE 'BTN'  
        AND screen-name   NE 'WA\_MARA-MATNR'.  
          screen-input = 0.  
        ENDIF.  
      WHEN 'CRET'.  
      WHEN 'CLER'.  
      WHEN 'CHNG'.  
      WHEN 'SAVE'.  
    ENDCASE.  
    IF screen-name = 'WA\_MARA-ERSDA'  
    OR screen-name = 'WA\_MARA-ERNAM'.  
      screen-input = 0.  
    ENDIF.  
    MODIFY SCREEN.  
  ENDLOOP.  
ENDMODULE.                 " DISABLE\_FIELDS  OUTPUT

\*&---------------------------------------------------------------------\*  
\*&  Include           MZMATMAS\_CREATEI01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0001  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE user\_command\_0001 INPUT.  
  CASE sy-ucomm.  
    WHEN 'BACK'.  
      LEAVE TO SCREEN 0.  
    WHEN 'CRET'.  
      PERFORM update.  
    WHEN 'CHNG' OR 'DISP'.  
      PERFORM get\_material.  
    WHEN 'SAVE'.  
      IF wa\_mara EQ wa\_mara\_temp.  
        MESSAGE 'No Changes Made' TYPE 'I'.  
      ELSE.  
        PERFORM update.  
      ENDIF.  
    WHEN 'CLER'.  
      CLEAR wa\_mara.  
  ENDCASE.  
ENDMODULE.                 " USER\_COMMAND\_0001  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  VALIDATE\_MATERIAL  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE validate\_material INPUT.  
  DATA: l\_matnr TYPE matnr.  
  SELECT SINGLE matnr  
    FROM mara  
    INTO l\_matnr  
    WHERE matnr = wa\_mara-matnr.  
  IF sy-ucomm = 'DISP'  
  OR sy-ucomm = 'CHNG'.  
    IF l\_matnr IS INITIAL.  
      MESSAGE 'No Material Number' TYPE 'E'.  
    ENDIF.  
  ELSEIF sy-ucomm = 'CRET'.  
    IF l\_matnr IS NOT INITIAL.  
      MESSAGE 'Material already exists' TYPE 'E'.  
    ENDIF.  
  ELSEIF sy-ucomm IS INITIAL.  
    "No action  
  ENDIF.  
ENDMODULE.                 " VALIDATE\_MATERIAL  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  VALIDATE\_TYPE  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE validate\_type INPUT.  
  
ENDMODULE.                 " VALIDATE\_TYPE  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  DEFAULT\_VALUE  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE default\_value OUTPUT.  
  wa\_mara-ersda = sy-datum.  
  wa\_mara-ernam = sy-uname.  
ENDMODULE.                 " DEFAULT\_VALUE  OUTPUT

\*&---------------------------------------------------------------------\*  
\*&  Include           MZMATMAS\_CREATEF01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Form  UPDATE  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM update .  
  MODIFY zmara FROM wa\_mara.  
  IF sy-subrc = 0.  
    COMMIT WORK.  
    MESSAGE 'Update succesfully' TYPE 'S'.  
  ENDIF.  
  CLEAR:  
    wa\_mara,  
    wa\_mara\_temp.  
ENDFORM.                    " UPDATE  
\*&---------------------------------------------------------------------\*  
\*&      Form  GET\_MATERIAL  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM get\_material .  
  IF wa\_mara-matnr IS NOT INITIAL.  
    SELECT SINGLE \*  
      FROM zmara  
      INTO wa\_mara  
      WHERE matnr = wa\_mara-matnr.  
    IF sy-subrc NE 0.  
      MESSAGE 'No Material Found' TYPE 'E'.  
    ENDIF.  
  ELSE.  
    MESSAGE 'Please enter Material' TYPE 'E'.  
  ENDIF.  
  MOVE wa\_mara TO wa\_mara\_temp.  
ENDFORM.                    " GET\_MATERIAL

PROCESS BEFORE OUTPUT.  
  MODULE default\_value.  
  MODULE disable\_fields.  
  MODULE status\_0001.  
  
PROCESS AFTER INPUT.  
  FIELD wa\_mara-matnr MODULE validate\_material.  
  FIELD wa\_mara-mtart MODULE validate\_type.  
  MODULE user\_command\_0001.  
  
PROCESS ON VALUE-REQUEST.  
  
  
PROCESS ON HELP-REQUEST.